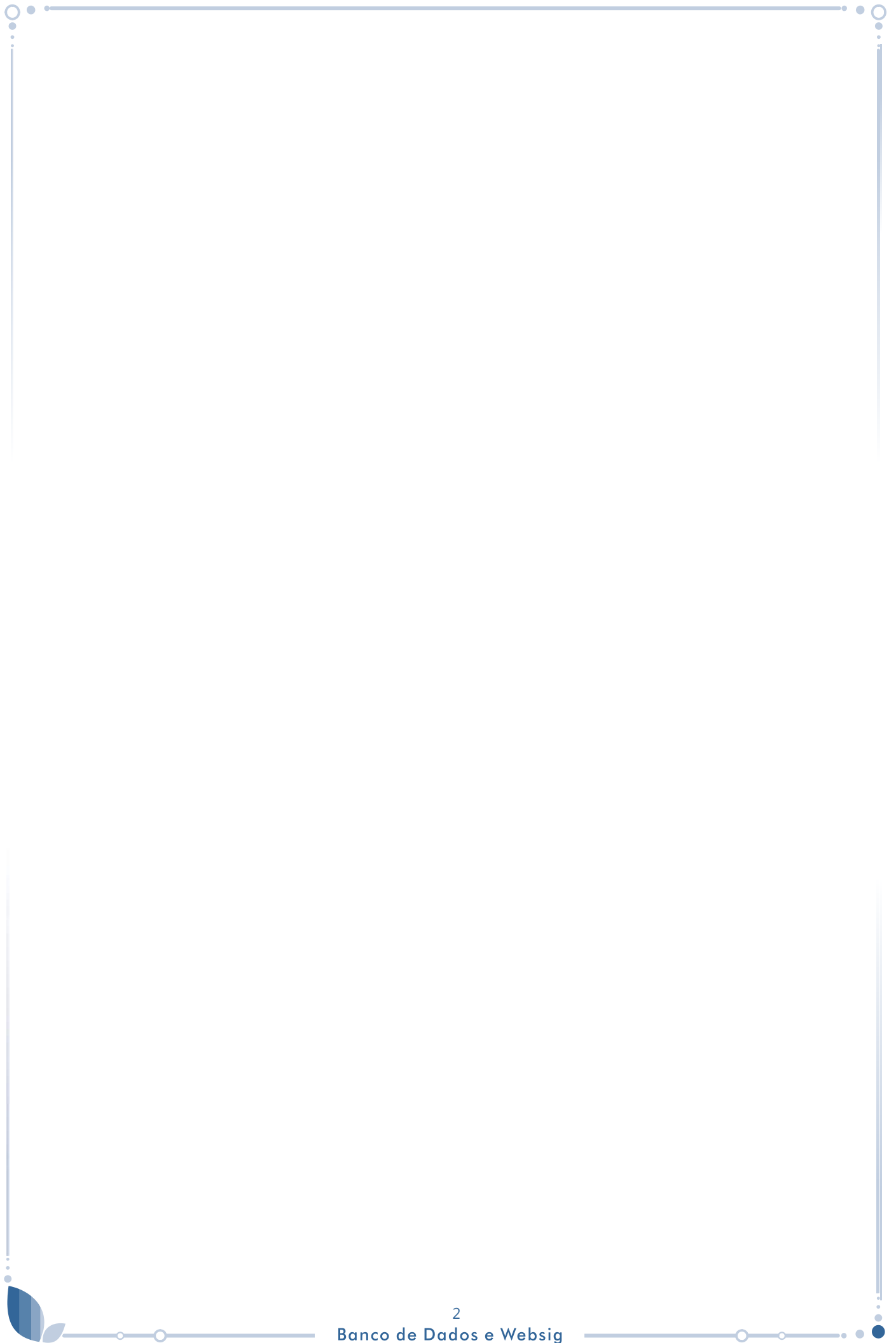
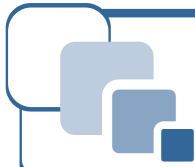


BANCO DE DADOS E WEBSIG DO PROJETO ZEE-BA

SUMÁRIO

| | |
|--|----|
| 1. APRESENTAÇÃO | 3 |
| 2. INTRODUÇÃO..... | 5 |
| 3. ARQUITETURA E COMPONENTES..... | 7 |
| 3.1.REQUISITOS PARA O FUNCIONAMENTO DO SISTEMA..... | 7 |
| 4. PADRÃO DE MODELAGEM DE DADOS | 9 |
| 4.1.PADRÃO DE METADADOS | 9 |
| 4.2.MODELAGEM DOS DADOS | 10 |
| 4.3.TECNOLOGIA | 11 |
| 5. FUNCIONALIDADES..... | 13 |
| 6. CONTEÚDO | 23 |
| 7. RELATÓRIOS..... | 29 |
| 7.1.POTENCIALIDADES E LIMITAÇÕES..... | 29 |
| 7.2.EXTRATO DA ZONA | 29 |
| 8. DOCUMENTAÇÃO | 31 |
| 8.1.DIAGRAMA ENTIDADE-RELACIONAMENTO | 31 |
| 8.2.DICIONÁRIO DE DADOS..... | 31 |
| 8.3.SCRIPT DA CRIAÇÃO DA ESTRUTURA DO BANCO..... | 31 |
| 9. CONSIDERAÇÕES FINAIS..... | 33 |
| REFERÊNCIAS BIBLIOGRÁFICAS..... | 35 |
| APÊNDICE I – EXTRATO DAS ZONAS – MODELO..... | 39 |
| APÊNDICE II - DIAGRAMA ENTIDADE-RELACIONAMENTO | 41 |
| APÊNDICE III - DICIONÁRIO DE DADOS..... | 43 |
| APÊNDICE IV - SCRIPT DA CRIAÇÃO ESTRUTURA DO BANCO | 90 |
| APÊNDICE IV - SCRIPT DA CRIAÇÃO ESTRUTURA DO BANCO | 92 |

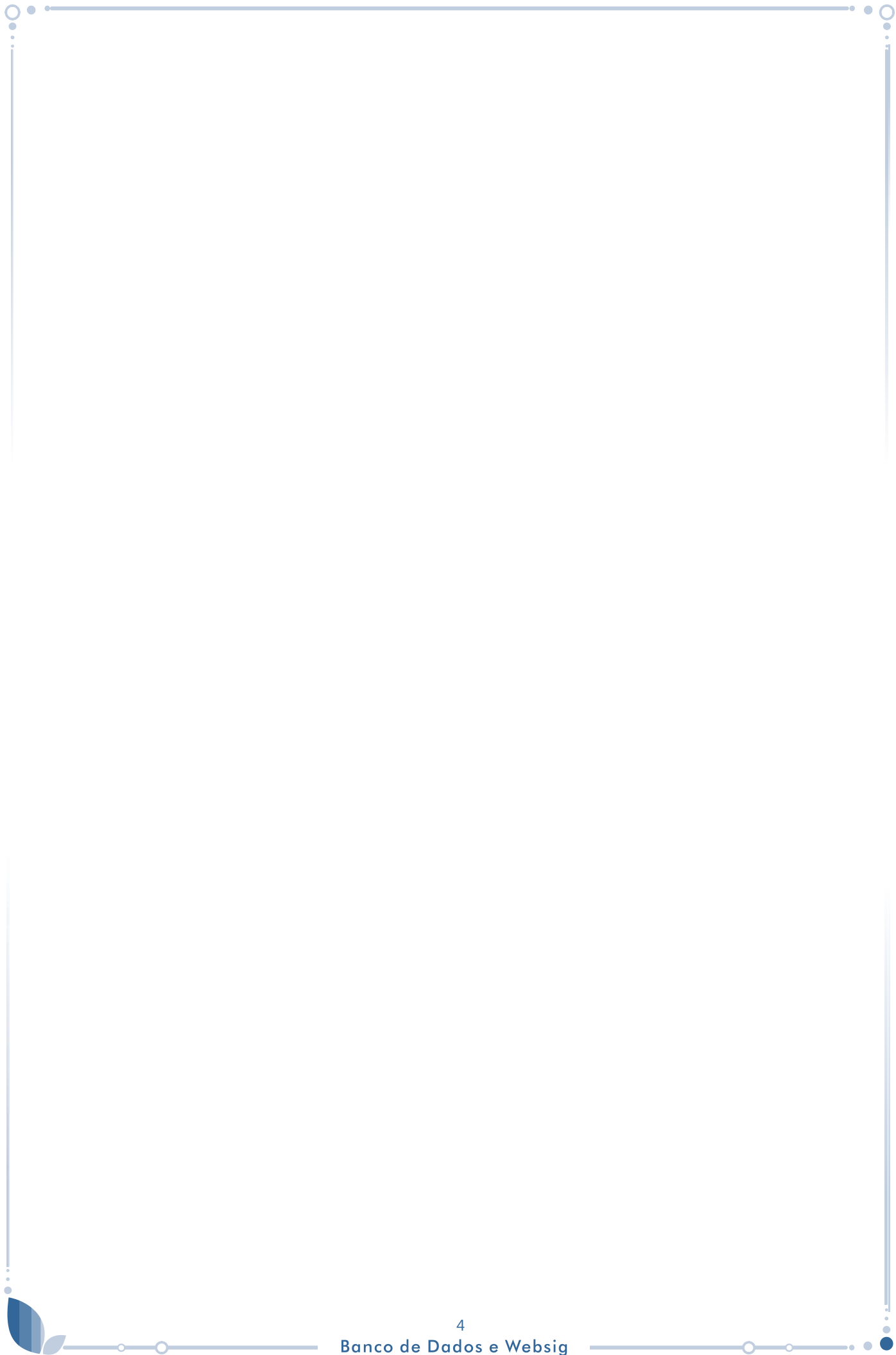




1. APRESENTAÇÃO

O presente relatório apresenta os resultados alcançados com o desenvolvimento do banco de dados espaciais do Zoneamento Ecológico Econômico do Estado da Bahia (ZEE-Ba) dentro do escopo estabelecido em edital e ajustado em reuniões técnicas elaboradas durante e decorrer do projeto com o Grupo Técnico de acompanhamento composto por técnicos da SEPLAN/SEMA.

Estruturado em nove capítulos, este Relatório se propõe, no terceiro capítulo, a apresentar as informações relacionadas à arquitetura utilizada na construção do ZEE-Ba, descrevendo a plataforma utilizada para desenvolvimento de um SIG acessível na internet (webSIG) e os requisitos necessários à sua operação. No quarto capítulo são apresentados o padrão de metadados utilizado, assim como os critérios utilizados para modelagem dos dados espaciais. No quinto capítulo são apresentadas as funcionalidades do webSIG, especificamente desenvolvidas para atender aos requisitos do ZEE-Ba. O sexto e sétimo capítulos apresentam os conteúdos carregados na plataforma, enquanto no oitavo são apresentadas as conclusões e recomendação para o desenvolvimento futuro da plataforma.





2. INTRODUÇÃO

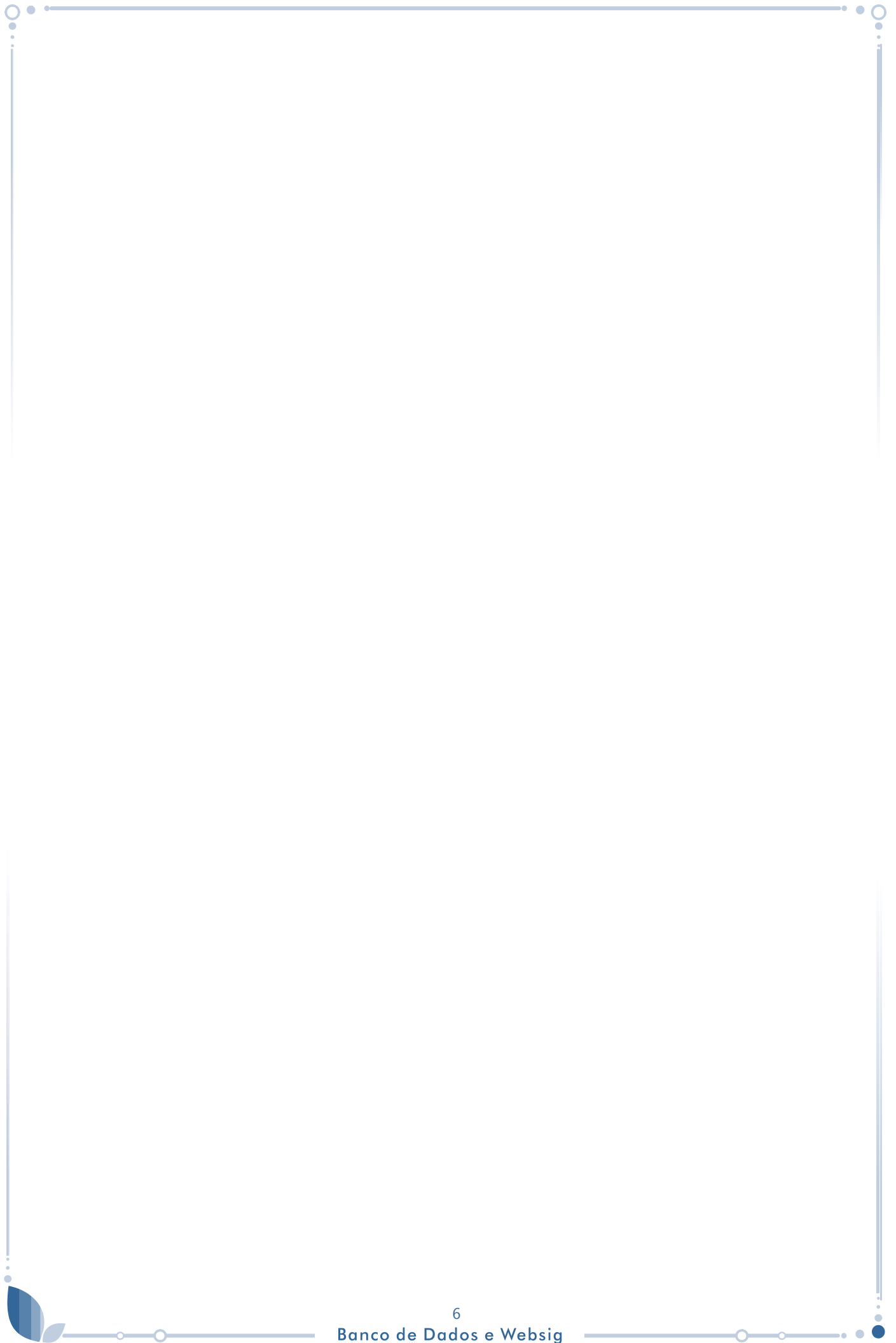
O geoprocessamento é definido como uma coleção de tecnologias, de coleta e tratamento de dados e informações espaciais e de desenvolvimento e uso de sistemas que as utilizam. As técnicas utilizadas em geoprocessamento são baseadas no uso de diversas fontes de dados e informações, que incluem mapas temáticos, bases cartográficas, fotos aéreas ou convencionais, imagens derivadas de sensoriamento remoto, entre outras. As técnicas automatizam tarefas realizadas manualmente e facilitam a realização de análises complexas. Os sistemas para tal fim são denominados de Sistemas de Informações Geográficas (SIG).

Os SIG surgiram a partir do final da década de 1960 e, com eles, inúmeras técnicas foram desenvolvidas para auxiliar a interpretação e a análise de dados espaciais. Utilizando a álgebra cartográfica e os métodos de extração a partir de dados multitemáticos, os SIG contribuíram para o enorme avanço em integração e fusão de dados e constituem-se em tecnologia indispensável para as modelagens e simulações dos dados espaciais. São usualmente aceitos como sendo uma tecnologia que possui o ferramental necessário para realizar análises com dados espaciais e, portanto, oferecem, ao serem implementados, alternativas para o entendimento da ocupação e utilização do meio físico e de suas relações socioeconômicas.

De acordo com as diretrizes metodológicas para o Zoneamento Ecológico-Econômico do Brasil publicadas em 2006 pelo Ministério do Meio Ambiente, os sistemas de informações geográficas de suporte às atividades dos ZEEs deverão ser organizados em camadas (layers ou planos de informação). Isso, para que o banco de dados do ZEE Brasil esteja composto por um conjunto de planos de informação (PIs), que varia em número, tipos de formato e categorias, conforme os projetos regionais se desenvolvam.

No caso específico do SIG desenvolvido para o ZEE-Ba, acessível na internet (webSIG), atendendo às especificações contidas em edital e ainda alinhado às recomendações do Consórcio ZEE-Brasil, os diversos planos de informação foram detalhados, com a ligação dos atributos alfanuméricos e os domínios espaciais correspondentes. Para o modelo de dados foram elaborados o Diagrama de Entidade-Relacionamento e o Dicionário de Dados, artefatos que fornecem representação gráfica e descrição analítica dos objetos, respectivamente, proporcionando a compreensão lógica e de relação dos dados utilizados e permitindo a realização de futuras alterações no modelo, se necessário.

Foram ainda implementados no webSIG os produtos de integrações temáticas, análises de dados espaciais, necessários para o diagnóstico das potencialidades e limitações dos recursos naturais, da dinâmica socioeconômica, da organização institucional e legal, bem como subsídios importantes para fase de prognóstico e apoio às Audiências Públicas para publicização e validação do ZEE-Ba.





3. ARQUITETURA E COMPONENTES

Para desenvolvimento do webSIG foi elaborado banco de dados georreferenciados e customizado aplicativo que permite a inclusão, a alteração e a exclusão de dados e informações, ferramentas fundamentais para a atualização dos instrumentos de planejamento elaborados. Trata-se de um banco de dados convencional, em forma relacional, com atualização, sobretudo, alfanumérica, capaz de visualização por *softwares* de webSIG. Constituído de dados tabulares com campo chave que permite sua relação com entidades gráficas: um conjunto de tabelas relativas a cada unidade espacial de referência, com o acervo de variáveis utilizado, permitindo variados cruzamentos.

O projeto utiliza plataformas livres, de código aberto, em total aderência aos padrões do OGC (*Open GIS Consortium*), incluindo os seguintes *softwares*:

- **PostgreSQL**

O PostgreSQL é um sistema gerenciador de banco de dados objeto relacional (SGBDOR), desenvolvido como projeto de código aberto, que conta com avançados recursos tais como consultas complexas, chaves estrangeiras, integridade transacional, gatilhos, visões, dentre outros. Seu desenvolvimento é feito de forma cooperada por um grupo de desenvolvedores, em sua maioria voluntários, espalhados por todo o mundo.

- **PostGIS**

O PostGIS é uma extensão espacial gratuita e de código fonte livre. Sua construção é feita sobre o sistema de gerenciamento de banco de dados objeto relacional (SGBDOR) PostgreSQL, que permite o uso de objetos GIS (Sistemas de Informação Geográfica) armazenados em banco de dados. O PostGIS inclui suporte para índices espaciais GiST e R-Tree, além de funções para análise básica e processamento de objetos GIS.

- **OpenLayers**

O Open Layers é uma biblioteca JavaScript de código aberto (disponibilizada sob um licença BSD modificada) para exibição de dados cartográficos em navegadores *Web*. Ele oferece uma API (*Application Programming Interface* ou Interface de Programação de Aplicativos) para construção de aplicações geográficas baseadas em *web* semelhantes ao Google Maps e ao *Bing Maps*. Ela inclui componentes da biblioteca *Rico JavaScript* e do *Framework Prototype JavaScript*.

- **MapServer**

O *MapServer* é um componente de código aberto de desenvolvimento para construção de aplicações para *web* especialmente ativas. Pode ser executado como um programa CGI (*Common Gateway Interface*) ou através de *MapScripts*, suportando diversas linguagens de programação.

- **i3Geo**

O i3Geo é um aplicativo que permite acesso e análise de dados geográficos utilizando a internet. Baseado em *softwares* livres, principalmente MapServer, utiliza como plataforma de funcionamento navegadores para internet, como o Internet Explorer e o Firefox (MMA, 2013). Seu foco principal é a disponibilização de dados geográficos e um conjunto de ferramentas de navegação, geração de análises, compartilhamento e geração de mapas sob demanda.

3.1. Requisitos para o Funcionamento do Sistema

O sistema funciona em ambiente *web*, na arquitetura cliente/servidor. Os programas estão instalados em equipamento servidor *Windows Server*, com conexão à internet com velocidade compatível à demanda de acessos esperada.

O ambiente servidor possui os seguintes requisitos, que devem ser ajustados em função da demanda medida no ambiente de produção:

- servidor virtual ou dedicado;
- Sistema Operacional Windows Server 2008 R2 Standard 64 bits;
- memória RAM mínima de 12GB;
- CPU com 8 núcleos;
- disco com 100 GB livres.

Para as estações dos usuários, a configuração deve ser a seguinte:

- navegador atualizado, como Mozilla Firefox, Microsoft Internet Explorer ou Google Chrome.
- o suporte à execução de Javascript do navegador deverá estar ativado.
- o navegador deverá estar como bloqueador de *pop ups* desativado.

4. PADRÃO DE MODELAGEM DE DADOS

Com vistas a garantir a interoperabilidade entre as bases de dados do ZEE-Ba com as demais bases de informações geográficas do Estado da Bahia, assim como permitir a troca de informações com os demais ZEE em elaboração no restante do país, o banco de dados do ZEE foi construído, desenvolvido metodologicamente com as diretrizes da Comissão Nacional de Cartografia (CONCAR), que estabeleceu através de portaria, os padrões mínimos de modelagem e documentação de dados espaciais.

Apresentam-se a seguir, os padrões adotados no ZEE-Ba, iniciando-se pela definição do padrão de metadados adotados e os respectivos atributos selecionados, assim como o padrão assumido para modelagem dos dados espaciais.

4.1. Padrão de Metadados

Os metadados fazem parte dos componentes de uma infraestrutura de dados espaciais, no caso Brasileiro a Infraestrutura Nacional de Dados Espaciais (INDE - Decreto nº 6.666 de 27/11/2008). A partir deste decreto criou-se um dos comitês especializados da Comissão Nacional de Cartografia - CONCAR: o Comitê de Estruturação de Metadados Geoespaciais (CEMG), criado especificamente para a definição do padrão de metadados para a realidade Brasileira¹.

A definição de metadados segundo o decreto citado:

"Conjunto de informações descritivas sobre os dados, incluindo as características de seu levantamento, produção, qualidade e estrutura de armazenamento, essenciais para promover a sua documentação, integração e disponibilização, bem como possibilitar sua busca e exploração" (Decreto nº 6.666/08, art. 2º).

As principais finalidades do estabelecimento de um padrão para metadados são:

- identificar o produtor e a responsabilidade técnica de produção;
- padronizar a terminologia utilizada;
- garantir o compartilhamento e a transferência de dados;
- viabilizar a integração de informações;
- possibilitar o controle de qualidade;
- garantir os requisitos mínimos de disponibilização.

Padrão ISO 19115

- especificado pelo Comitê Técnico 211 da ISO;
- tornou-se o mais aceito pela comunidade GIS;
- publicado em 2003 e revisado em 2006;
- muito amplo, possuindo mais de 300 elementos;
- pode ser customizado – criação de perfis;
- aceito pelo Open Geospatial Consortium (OGC).

Perfil MGB (Metadados Geoespaciais do Brasil)

- baseado na norma ISO 19.115;
- customizado pelo IBGE para se adequar aos dados geoespaciais do Brasil;
- foram analisados perfis de outros países baseados na ISO 19.115;

¹ Perfil de Metadados Geoespaciais do Brasil (Perfil MGB) Conteúdo de Metadados Geoespaciais em conformidade com a norma ISO 19115:2003, 2009

- possui um perfil sumarizado com 23 elementos, dos quais 11 são obrigatórios.

Perfil MGB sumarizado

No Quadro 1 constam as entidades e elementos propostos pelo Núcleo de Metadados do Perfil Metadados Geoespaciais do Brasil (MGB) que devem compor os metadados no caso de não se dispor de elementos que compõem o perfil MGB completo.

Quadro 1 - Entidades e elementos do Núcleo de Metadados do Perfil MGB Sumarizado

| ENTIDADE/ELEMENTO | OBRIGATORIEDADE | ENTIDADE/ELEMENTO | OBRIGATORIEDADE |
|-------------------------------------|-----------------|--|-----------------|
| 1. Título | obrigatório | 13. Sistema de Referência | obrigatório |
| 2. Data | obrigatório | 14. Linhagem | opcional |
| 3. Responsável | obrigatório | 15. Acesso Online | opcional |
| 4. Extensão Geográfica | condicional | 16. Identificador Metadados | opcional |
| 5. Idioma | obrigatório | 17. Nome Padrão de Metadados | opcional |
| 6. Código de Caracteres do CDG | condicional | 18. Versão da Norma de Metadados | opcional |
| 7. Categoria Temática | obrigatório | 19. Idioma dos Metadados | condicional |
| 8. Resolução Espacial | opcional | 20. Código de Caracteres dos Metadados | condicional |
| 9. Resumo | obrigatório | 21. Responsável pelos Metadados | obrigatório |
| 10. Formato de Distribuição | obrigatório | 22. Data dos Metadados | obrigatório |
| 11. Extensão Temporal e Altimétrica | opcional | 23. Status | obrigatório |
| 12. Tipo de Representação Espacial | opcional | | |

Fonte: CEMG/CONCAR, 2009

4.2. Modelagem dos Dados

Outro componente INDE são os próprios dados espaciais. No intuito de padronizar as informações espaciais criou-se o Comitê de Estruturação da Mapoteca Nacional Digital (CEMND), que elaborou as Especificações Técnicas para Estruturação de Dados Geoespaciais Vetoriais (ET-EDGV). Esta documentação se faz necessária para garantir o compartilhamento, a interoperabilidade e a disseminação dos dados, aspectos essenciais de uma infraestrutura de dados espaciais.

A ET-EDGV foi elaborada para atender, a princípio, para dados geoespaciais vetoriais, do Sistema Cartográfico Nacional (SCN), nas escalas da Cartografia Sistemática Terrestre Básica, definidas de 1:25.000 e menores. Para a modelagem dos dados temáticos do ZEE-Ba, o modelo EDGV foi estendido, utilizando-se a mesma metodologia de denominação de entidades e atributos. A única exceção feita em relação à nomenclatura utilizada é quanto à capitulação dos nomes dos campos, uma vez que o uso de caixas altas e baixas na denominação de atributos de tabelas em PostgreSQL gera dificuldades adicionais no seu uso através da linguagem SQL, além de comprometer a legibilidade do código. Por essa razão os nomes dos campos foram, diferentemente do modelo ET-EDGV, estabelecidos em todas as tabelas do Banco de Dados utilizando caixas baixas.

Apresenta-se a seguir, as características mais relevantes do modelo, para que em seguida, apresentem-se o modelo de dados utilizados para modelagem do produtos do ZEE-Ba. Cabe aqui registrar que as informações espaciais produzidas por outras instituições (dados fonte) fora do contexto do ZEE-Ba, foram assumidas como base de dados de terceiros, não passíveis de modelagem padronizada.

A ET-EDGV (ver. 2) visa:

- atender às melhores práticas do mercado para produção de dados geoespaciais, adotando o modelo da Infraestrutura Nacional de Dados Espaciais (INDE);
- permitir que produtores e usuários de dados geoespaciais possam aderir à INDE, utilizando o modelo de dados disponibilizados para suas necessidades ou customizando-os de acordo com seu modelo de negócios;
- disseminar aos produtores e usuários de dados geoespaciais a cultura de padronização segundo o modelo da INDE.

Benefícios esperados pela adoção do modelo ET-EDGV:

- economia de recursos, já que o esquema é distribuído gratuitamente;
- maior rapidez e produtividade na aquisição e edição de dados para os padrões da INDE;
- maior produtividade no uso e no compartilhamento de dados, aplicações e serviços nos padrões INDE;
- maior rapidez na adoção da INDE através da comunidade cartográfica nacional.

O Apêndice II apresenta o esquema relacional por meio do Diagrama Entidade-Relacionamento, que descreve a estrutura lógica do SIG desenvolvido para o ZEE-Ba.

4.3. Tecnologia

A estrutura tecnológica utilizada para o desenvolvimento do webSIG considerou o princípio da padronização de plataformas de desenvolvimento em ambiente público. Portanto, adotou-se padrões compatíveis como aqueles recomendados pelo Ministério do Meio Ambiente, pela comunidade de desenvolvimento de software público (www.softwarepublico.gov.br) e os padrões já em uso pelo Governo do Estado da Bahia, a exemplo das tecnologias utilizadas pelo portal GeoBahia desenvolvido pela Secretaria de Meio Ambiente do Estado da Bahia.

Diante dessa premissa, adotou-se a seguinte plataforma para o desenvolvimento do webSIG do ZEE-Ba:

Banco de Dados

SGBD: PostgreSQL

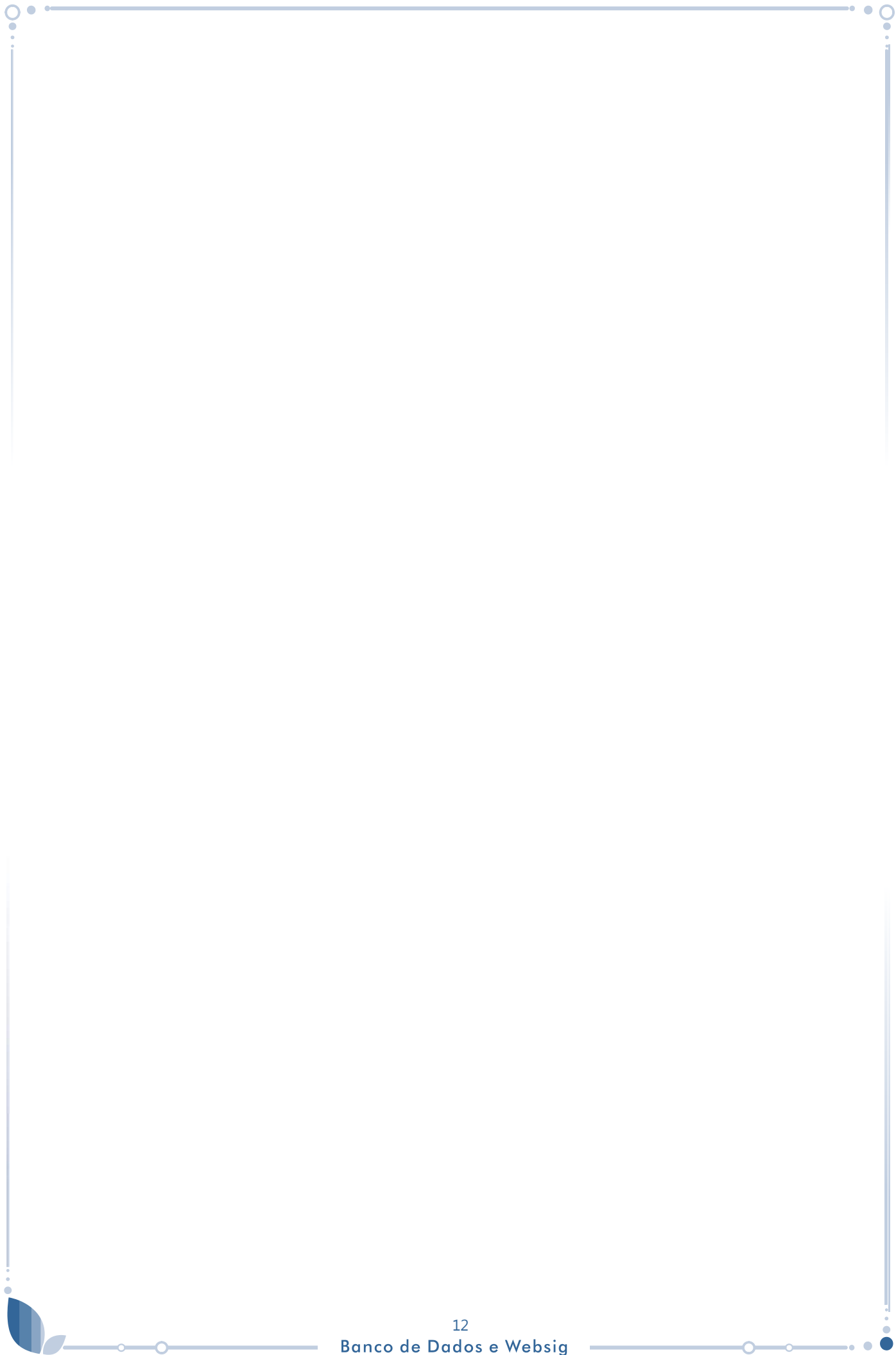
Extensão espacial: PostGIS

Aplicação

Linguagens: PHP, *Javascript*, *Mapscript*

Componente Geográfico: *Mapserver*

Framework Web Gis: *i3Geo*



5. FUNCIONALIDADES

O webSIG desenvolvido para o ZEE-Ba foi implementado a partir da plataforma i3Geo, desenvolvido para o acesso e análise de dados geográficos utilizando a internet. Por este motivo, naturalmente foram preservadas todas as funcionalidades nativas da ferramenta disponibilizada em domínio público. Por outro lado, algumas especificidades requeridas pelo ZEE não teriam como ser atendidas apenas com o uso dos recursos disponibilizados nativamente pelo i3Geo, motivo pelo qual foram desenvolvidas customizações específicas para o ZEE-Ba. Os tópicos a seguir apresentam as funcionalidades básicas do i3Geo.

O webSIG do ZEE-Ba está estruturado em seis conjuntos de funções: o menu lateral, o menu superior, as guias, a barra de ferramentas e o rodapé, conforme mostra a Figura 1.

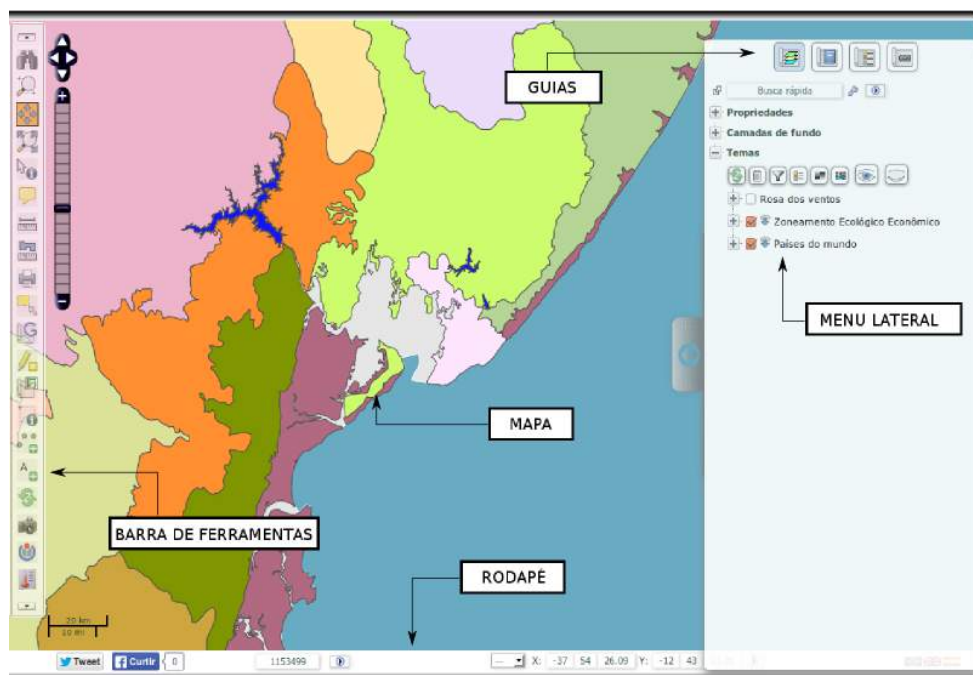


Figura1 – Visão geral da tela principal do aplicativo.

O menu lateral contém as funções especiais para controle do mapa, como a busca rápida por elementos do mapa, propriedades e camadas de fundo. No menu superior, o usuário encontra os arquivos de ajuda, informações sobre o sistema e alguns *links* relacionados ao sistema. Cada item do menu superior (ferramentas, aplicativo, arquivo, análise e ajuda) contém um conjunto de funções que serão exibidas com a passagem do mouse sobre o item.

As guias expõem um conjunto de funcionalidades que permitem ao usuário acrescentar e retirar temas do mapa, configurar os temas inseridos, mudar as cores da legenda, acessar a tabela dos temas, entre outros.

Na Barra de Ferramentas o usuário encontra as ferramentas clássicas de navegação, como a ferramenta de busca rápida, zoom, pan, enquadramento inicial, consulta, etiqueta, medição de distância e área, ferramenta de impressão, seleção, entre outras.

O Rodapé contém as funções cartográficas como a escala e a localização de coordenadas.

O Mapa que implementa a área de visualização dos temas adicionados.

As funcionalidades nativas do i3Geo adotadas no webSIG do ZEE-Ba estão a seguir explicitadas.

- **Pan** 

A ferramenta de Pan faz a movimentação do mapa, ou seja, através desta ferramenta o usuário navega pelo mapa, posicionando-o no local desejado.


- **Zoom**

O usuário do webSIG do ZEE-Ba possui três opções de *zoom* para ampliar ou reduzir o mapa em sua área de trabalho.



- Barra de *zoom*

A barra de zoom localiza-se no canto superior esquerdo, flutuando sobre o mapa. Esta ferramenta permite o aumento ou a diminuição da área visível do mapa. Clicando com o mouse no botão com um símbolo "+" na parte superior da barra de *zoom* o usuário aciona a função *zoom* mais, aumentando o nível de definição dos elementos do mapa. Clicando com o mouse no botão com um símbolo "-" na parte inferior da barra de *zoom* o usuário aciona a função *zoom* menos, diminuindo o nível de definição dos elementos do mapa.

- *Zoom* em janela 

A ferramenta de *zoom* em janela localiza-se na barra de ferramentas. Esta ferramenta permite ao usuário ampliar uma determinada área específica do mapa, ou seja, o usuário identifica a área desejada, clica no botão *zoom* da barra de ferramentas para ativar a função de *zoom* em janela, e desenha no mapa um retângulo, clicando e arrastando o mouse sobre a área escolhida.

- **Enquadramento inicial** 

A ferramenta de enquadramento inicial localiza-se na barra de ferramentas. Esta ferramenta permite ao usuário retornar ao nível inicial de visualização.

- **Busca rápida** 

A ferramenta de busca rápida poder ser encontrada na barra de ferramentas e na parte superior do menu lateral. Esta ferramenta permite ao usuário realizar buscas nos temas previamente definidos. O usuário pode também visualizar os resultados da busca no mapa.

- **Identificação** 

A ferramenta de identificação pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário consultar as informações referentes ao ponto clicado no mapa. Após o clique num ponto do mapa, o sistema exibe uma janela *pop-up* contendo as informações dos temas atingidos no clique.

- **Etiqueta** 

A ferramenta de etiqueta pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário consultar as informações referentes ao ponto clicado no mapa. Após o clique num ponto do mapa, o sistema exibe um balão temporário contendo as informações dos temas atingidos no clique.

- **Distância** 

A ferramenta de medição de distância pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário realizar a medição das distâncias entre os pontos clicados no mapa.

- **Área** 

A ferramenta de medição de área pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário realizar a medição da área de um polígono desenhado no mapa pelo usuário.


- **Impressão** 

A ferramenta de impressão pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário realizar a impressão do mapa atual para diversos formatos de arquivos que poderão ser impressos ou salvos.

- **Seleção** 

A ferramenta de seleção pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário realizar a seleção de elementos do mapa.

- **Controle de camadas**

O controle de camadas está localizado na aba de ferramentas, na parte lateral do mapa, e é ativado pelo botão "mapa"  localizado na parte superior da aba de ferramentas.

Este controle permite ao usuário ativar ou desativar cada uma das camadas do webSIG do ZEE-Ba.

Ao clicar no botão "mapa", a aba de ferramentas mostra a lista de temas disponíveis, bem como as camadas de fundo e as propriedades do mapa sob a forma de um menu em árvore conforme mostrado na Figura 2.



Figura 2 – O Controle de Camadas

Cada item do menu em árvore está representando uma camada, e possui uma caixa de checagem para a ativação ou desativação da camada no mapa. Cada item possui ainda um botão "+" que exibe mais controles sobre a respectiva camada, tais como:

- verificar se a escala do tema é compatível com a escala do mapa;
- excluir a camada do mapa e do controle de camadas;
- reposicionar a camada no mapa sobre ou sob a camada adjacente;
- zoom para a camada;

- opções e propriedades da camada;
- legenda.

Para controlar a transparência das camadas, o usuário deve acessar através do botão “+” os controles da respectiva camada, expandir o item “opções e propriedades” e modificar a propriedade “opacidade”, definindo um valor entre 0 e 100, onde o valor 0 significa completamente transparente e o valor 100 significa completamente opaco.

▪ Pesquisas

Através de botões de comando localizados na barra de ferramentas do mapa, o usuário pode realizar pesquisas nas informações referentes ao ZEE-Ba que apresentam um resultado tabulado contendo as consultas, gráficos e mapas dos dados do ZEE-Ba agregados por:

- município;
- regiões administrativas;
- territórios de identidade;
- bacias;
- sub-bacias.

As pesquisas por município, regiões administrativas, territórios de identidade, bacias ou sub-bacias podem ser realizadas após a ativação do respectivo botão na barra de ferramentas do mapa, e a seleção da região diretamente no mapa.

▪ Consultas espaciais

As consultas espaciais servem para buscar informações referentes às camadas do ZEE-Ba através de interseções espaciais, apresentando ao usuário os mapas resultantes, bem como a área e o percentual das classes de forma tabulada.

As consultas espaciais do sistema são ativadas através de botões localizados na barra de ferramentas do mapa e estão divididas em três tipos:

- regiões circulares definidas pelo usuário através de um ponto central, marcado diretamente no mapa, e um raio;
- regiões definidas por um polígono desenhado no mapa pelo usuário;
- regiões definidas por um arquivo no formato *shape file* do usuário.

– Pesquisa por regiões circulares

A pesquisa por regiões circulares é realizada após a ativação do respectivo botão na barra de ferramentas do mapa. O usuário deve pressionar o botão do mouse sobre um ponto do mapa; este ponto é tomado como o centro do círculo. Mantendo pressionado o botão do mouse, o usuário deve arrastar o ponteiro do mouse sobre o mapa para definir o raio do círculo da pesquisa. Após liberar o botão do mouse, a pesquisa é realizada.

– Pesquisa por regiões definidas por um polígono desenhado no mapa

A pesquisa por regiões definidas por um polígono desenhado no mapa pelo usuário é realizada após a ativação do respectivo botão na barra de ferramentas do mapa. O usuário deve desenhar o polígono diretamente no mapa clicando nos pontos das arestas do polígono. Ao finalizar o polígono com um duplo clique no mapa, a pesquisa é realizada.

– Pesquisa por regiões definidas por um arquivo no formato *shape file* do usuário

A pesquisa por regiões definidas por um arquivo *shape file* no formato do usuário é realizada através de um polígono com o contorno do empreendimento em formato *shape file*, que é incorporado ao mapa pelo usuário através da utilização da ferramenta de importação de *shape files*.

▪ Informações

A ferramenta de informações obtém informações referentes às camadas ativas no mapa através do menu de camadas, assim como os fatores condicionantes e os indicadores que compõem as camadas em questão.

Através de um clique com o mouse sobre o mapa, após a ativação da ferramenta de informações na barra de ferramentas do mapa, a ferramenta retorna às informações do ponto selecionado pelo usuário.

▪ **Google Maps**

A ferramenta do *Google Maps* pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário integrar a visualização dos mapas com o *Google Maps*.

▪ **Editor vetorial**

A ferramenta de edição vetorial pode ser acessada a partir da barra de ferramentas. Esta ferramenta permite ao usuário criar e editar elementos vetoriais acessórios no mapa. Ao ativar esta ferramenta o sistema exibe um conjunto de botões que permite a criação e edição de geometrias no mapa. Serão disponibilizadas funções como:

- identificação de itens do mapa;
- digitalização de linhas;
- digitalização de pontos;
- digitalização de polígonos;
- inclusão de textos;
- recorte de geometria selecionada;
- modificação da geometria;
- listagem das geometrias desenhadas;
- trazer geometria para frente;
- ferramentas (operações sobre as geometrias selecionadas):
 - união;
 - intersecção;
 - convex hull (envoltória convexa ou invólucro convexo);
 - bordas;
 - diferença;
 - diferença simétrica;
 - apagar tudo.
- seleção de geometrias;
- apagar geometrias selecionadas;
- propriedades:
 - estilos:
 - cor do contorno;
 - cor do preenchimento;
 - cor da fonte;
 - tamanho da fonte;
 - opacidade;
 - largura da linha/contorno.
 - ajuste de nó e medição para:
 - nó;
 - vértice;
 - borda.
 - divisão de intersecção ao digitalizar borda;

- operação ativada pelo botão de modificação da figura:
 - alterar figura;
 - alterar tamanho;
 - rotacionar;
 - deslocar.
- ajuda.

▪ **Mapa de referência** 

A ferramenta de mapa de referência pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário visualizar um mapa de referência fixo, de mapa, ou dinâmico do mapa que está sendo atualmente exibido.

▪ **Extensão geográfica** 

A ferramenta de extensão geográfica pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário visualizar ou configurar a extensão geográfica do mapa.

A extensão geográfica atual é exibida em décimos de grau. As coordenadas exibidas correspondem às menores e maiores longitudes e latitudes. O usuário pode digitar as coordenadas referentes à nova extensão geográfica desejada para o mapa.

▪ **Inserir pontos** 

A ferramenta inserir pontos pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário inserir pontos em um tema editável, pré-existente ou criado através do botão "criar um tema editável" localizado na guia "tema" da janela pop-up exibida ao ativar a ferramenta inserir pontos.

Os pontos podem ser inseridos diretamente no mapa clicando sobre ele, ou através das seguintes funções disponibilizadas nas guias da janela pop-up inserir pontos.

- Direção e distância

O ponto adjacente é incluído em relação ao último ponto inserido no tema. O usuário deve digitar o ângulo em relação ao norte e a distância em quilômetro (km).

- Digitação

O usuário deve digitar as coordenadas do ponto desejado e clicar no botão "insere". Os valores digitados devem estar no formato grau, minuto e segundo, e na opção de campo único, os valores devem estar separados por espaços.

- Colar


O usuário deve colar os valores de X e Y, em décimos de grau, com sinal de negativo para oeste e sul.

- Converter

O usuário deve inserir os pontos no formato Well-Known Text (WKT).

- Coordenadas

Permite ao usuário visualizar a lista de pontos inseridos.

- Inserir texto 

A ferramenta inserir texto pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário inserir textos no mapa com ou sem conectores.

O usuário pode também capturar informações de um tema previamente selecionado para exibi-lo no mapa, bem como configurar as seguintes propriedades dos textos inseridos no mapa:

- fonte;
- largura do conector;
- ângulo;
- deslocamento do texto em relação ao ponto de inclusão;
- cor do texto;
- cor do conector;
- cor da máscara de um pixel de entorno;
- posicionamento;
- cor do fundo;
- cor da sombra do fundo;
- deslocamento da sombra do fundo;
- cor da sombra;
- deslocamento da sombra;
- forçar colisões entre textos;
- distância mínima entre textos duplicados;
- tamanho mínimo do elemento cartográfico;
- o texto pode ultrapassar o mapa;
- caractere usado para indicar uma quebra de texto.

▪ **Reiniciar mapa** 

A ferramenta reiniciar mapa pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário reiniciar o mapa.

▪ **Lente** 

A ferramenta de lente de aumento pode ser encontrada na barra de ferramentas. Esta ferramenta permite ao usuário ampliar, através de uma janela *pop-up*, a região onde o ponteiro do mouse está apontando.

▪ **Menu ferramentas**

Expõe uma série de funções para controle do mapa, tais como:

- mapa:
 - o opacidade;
 - o animação.
- temas:
 - o Tabela com os dados;
 - o procurar;
 - o texto (nomes ou valores);
 - o ativar etiquetas;
 - o filtrar;
 - o editar legenda;
 - o efeito cortina;
 - o gráfico;
 - o mapa temático.
- conexões:
 - o serviços.
- upload:
 - o vetor.

▪ **Menu arquivo**

Contém as funções de gerenciamento de arquivo:

- salvar mapa;
- carregar mapa;
- capturar imagem;
- converter em WMS e WMC (Web Map Context);
- converter em arquivos na linguagem *Keyhole Markup Language* (KML), possibilitando seu uso no Google Earth.

▪ **Menu análise**

Agrupa as funções de análise geográfica do mapa:

- grade:
 - grade de polígonos;
 - grade de pontos;
 - grade de hexágonos.
- ponto:
 - distância entre pontos;
 - pontos em polígonos;
 - ponto em polígono – raster;
 - distribuição de pontos;
 - centro médio.
- polígono:
 - dissolve.
- outros:
 - geometrias;
 - entorno;
 - agrupa;
 - centroide;
 - gráfico;
 - linha do tempo.

▪ **Menu ajuda**

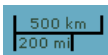
Fornece ao usuário opções de ajuda, contatos e informações sobre o aplicativo.

▪ **Botões de navegação**



Os botões de navegação estão localizados flutuando no canto superior esquerdo do mapa, e permitem ao usuário navegar pelo mapa nas quatro direções, apenas clicando sobre os respectivos botões.

▪ **Barra de escala**



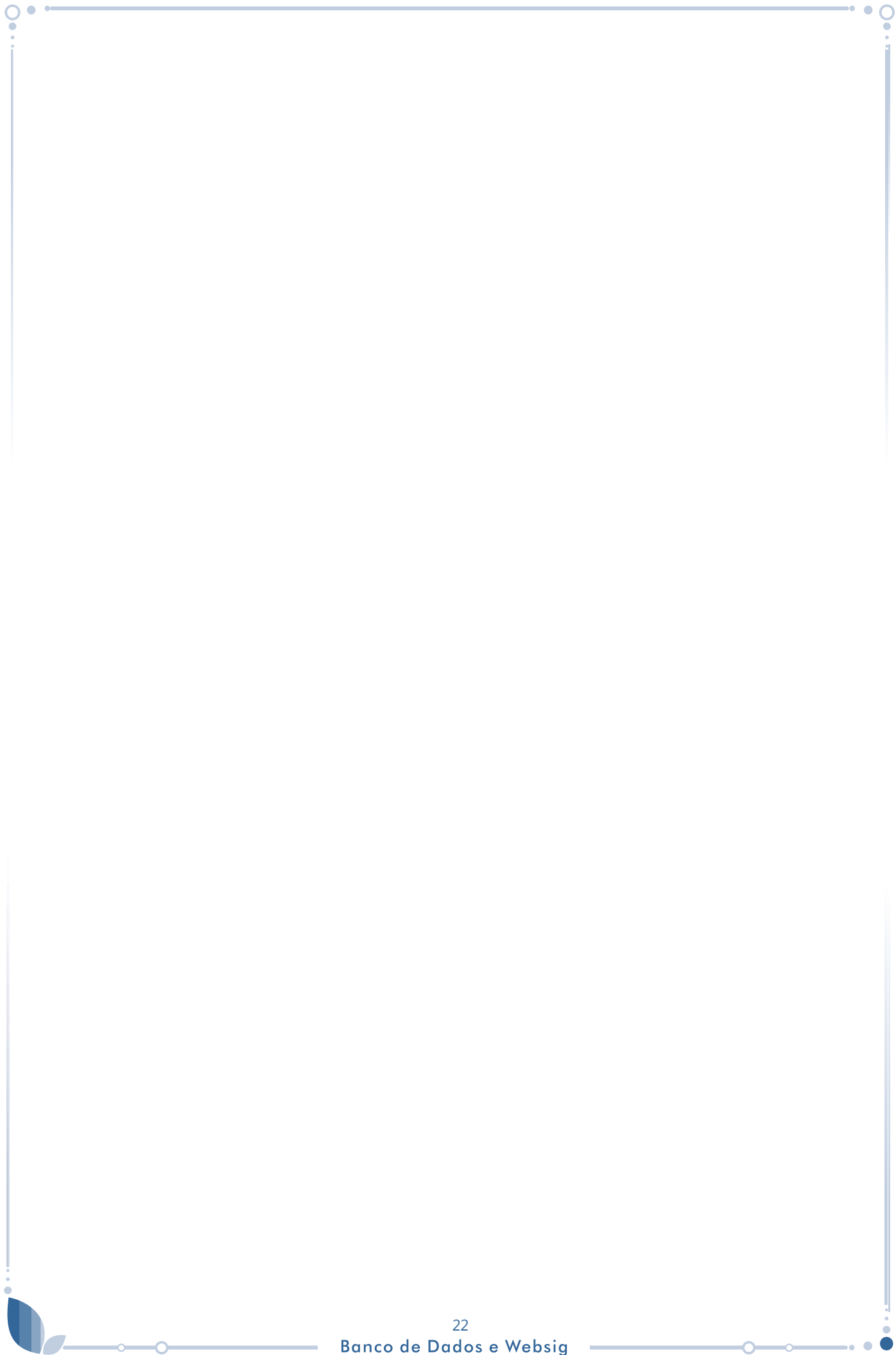
A barra de escala está localizada flutuando no canto inferior esquerdo do mapa, e permite ao usuário visualizar a escala atual do mapa em quilômetros e milhas.

▪ **Relatório de caracterização da zona - Extrato**

Para possibilitar uma caracterização resumida das zonas foi concebido relatório em formato de extrato com a síntese de algumas consultas geográficas do webSIG do ZEE-Ba pré-definidas. O extrato das zonas traz informações associadas a planos de informações fonte e de produtos associados ao ZEE,

mediante processamento da sobreposição e interseção entre as poligonais das ocorrências temáticas e a poligonal da zona em questão. Sua estrutura e conteúdo é apresentada no item 7 – Relatórios.

No Apêndice I consta o extrato da zona 1 - Chapada Ocidental do Oeste Baiano como exemplo do modelo do relatório previamente gerado em HTML, utilizando o padrão HTML5, a partir de dados dos webSIG. Ressalta-se que em função de limitação dos navegadores, apenas o Google Chrome consegue preservar completamente a formatação dos relatórios conforme sua concepção original. Os demais navegadores não conseguem produzir o mesmo resultado.





6. CONTEÚDO

Os conteúdos carregados no webSIG do ZEE-Ba foram selecionados a partir das informações utilizadas para realização avaliação da qualidade ambiental, vulnerabilidade natural e social, das potencialidades e limitações identificadas para os diversos temas abordados e a proposta de zoneamento ecológico-econômico. Para melhor apresentação dos conteúdos trabalhados, as informações foram organizadas em cinco grandes diretórios, a saber:

- (i) **base cartográfica** contendo fontes utilizadas para referencial cartográfico ou mesmo elementos espaciais empregados durante o processo de construção do ZEE-Ba;
- (ii) **áreas especiais** contendo fontes utilizadas no processo de espacialização das informações abordadas para referencial cartográfico ou mesmo elementos espaciais empregados durante o processo de construção do ZEE-Ba
- (iii) **componentes do ZEE-Ba** com elementos temáticos relativos a subprodutos constantes no TDR, de autoria do Consórcio;
- (iv) **potencialidades e limitações** para as ocorrências temáticas mais emblemáticas trabalhadas no processo de construção. Embora seja também um componente do ZEE-Ba, optou-se por separá-lo em outro diretório para possibilitar melhor consulta de sua árvore temática, considerando a quantidade de temas e critérios empregados na análise, e
- (v) **zoneamento ecológico-econômico** que contém as poligonais com a identificação e descrição simplificada das zonas ecológico-econômicas.

A estruturação dos conteúdos no webSIG está apresentada no Quadro 2, a seguir, de acordo com sua sequência de exibição.

Quadro 2 - Estruturação dos conteúdos no webSIG

| DIRETÓRIO | TEMA/FEIÇÃO | GEOMETRIA | |
|--------------------------|-----------------------------------|--|----------|
| BASE CARTOGRÁFICA | Municípios | polígono | |
| | Área Urbana | polígono | |
| | Sedes municipais | ponto | |
| | Territórios de Identidade | polígono | |
| | Macrorregiões | polígono | |
| | Biomás | polígono | |
| | Organização Social | polígono | |
| | Geologia | polígono | |
| | Ocorrências Minerais – CPRM | polígono | |
| | Ocorrências Minerais – CBPM | polígono | |
| | Indústria | ponto | |
| | Limite Tectônico | linha | |
| | Hidrografia | Açude e barragens | polígono |
| | | Bacia Hidrográfica | polígono |
| | | Cursos d'água | linha |
| | | Rios, Barragens, represas, lagos e lagoas | polígono |
| | | Microbacias | polígono |
| | | Regiões de Planejamento e Gestão das Águas | polígono |
| | | Unidade de Balanço | polígono |
| | Sistema de Transporte | Rodovias, Estradas, Ferrovias | ponto |
| | | Aeroportos | ponto |
| | | Aeródromos | linha |
| Portos | | ponto | |
| ÁREAS ESPECIAIS | Unidades de Conservação Federais | polígono | |
| | Unidades de Conservação Estaduais | polígono | |
| | Terras Indígenas | polígono | |
| | Assentamentos Rurais | polígono | |
| | Territórios Quilombolas | polígono | |
| | Comunidades Quilombolas | ponto | |
| | Comunidades de Fundo de Pasto | Município | |
| | Comunidades de Pescadores | Município | |
| | Vegetação Remanescente | polígono | |
| | Sítios Arqueológicos | polígono | |
| | Cavernas | ponto | |

(continua)

Continuação do **Quadro 2** - Estruturação dos conteúdos no webSIG

| DIRETÓRIO | TEMA/FEIÇÃO | | GEOMETRIA | | |
|---|--|--|---|----------------|----------|
| COMPONENTES - Z E E | Unidade Territorial Básica | | polígono | | |
| | Unidade de Paisagem | | polígono | | |
| | Áreas relevantes à Conservação da Biodiversidade | | polígono | | |
| | Vulnerabilidade do Meio Físico e Biótico | Vulnerabilidade a Erosão | | polígono | |
| | | Vulnerabilidade Recursos Hídricos Superficiais | | polígono | |
| | | Vulnerabilidade dos Recursos Hídricos Subterrâneos | | polígono | |
| | | Vulnerabilidade da Biodiversidade | | polígono | |
| | Vulnerabilidade Social | | polígono | | |
| | QUALIDADE AMBIENTAL | Qualidade da Água | Índice de Estado Trófico (IET) | ponto | |
| | | | Índice de Qualidade da Água (IQA) | ponto | |
| | | | Indústrias Potencialmente Poluidora da Água | ponto | |
| | | | População na sede não atendida por Serviço de Esgotamento Sanitário | polígono | |
| | | Qualidade do Solo | Cobertura e Uso da Terra | | polígono |
| | | | Focos de Queimadas | | ponto |
| | | | Tipo de disposição final de resíduos sólidos urbanos | | ponto |
| | | Qualidade do Ar | Mineradoras em Operação | | polígono |
| | | | Indústrias Potencialmente Poluidora do Ar | | ponto |
| | | | Número de Veículos por Município | | polígono |
| | | Qualidade da Biodiversidade | | polígono | |
| | | COMPONENTES - Z E E | Vulnerabilidade Natural da Biodiversidade | Desertificação | |
| Unidades de Conservação Federal | | | | polígono | |
| Unidades de Conservação Estadual | | | | polígono | |
| Territórios Quilombola | | | | polígono | |
| Terras Indígenas | | | | polígono | |
| Áreas Relevantes para Conservação e Uso Sustentável da Biodiversidade | | | | polígono | |
| Qualidade Ambiental da Biodiversidade | BAZE | | polígono | | |
| | KBA | | polígono | | |
| | IBA | | polígono | | |
| | Importância biológica | | polígono | | |
| | Vegetação remanescente | | polígono | | |
| | Áreas Holísticas de Geodiversidade | | polígono | | |
| | Cavernas | | polígono | | |
| | Região Cárstica | | polígono | | |
| Recursos hídricos superficiais | Disponibilidade Hídrica Superficial | | polígono | | |
| | Salinização das Águas Superficiais | | polígono | | |
| | Qualidade das Águas Superficiais | | polígono | | |
| | Conservação das Águas Superficiais | | polígono | | |
| Recursos hídricos subterrâneos | Disponibilidade hídrica subterrânea | | polígono | | |
| | Qualidade das águas subterrâneas | | polígono | | |
| | Conservação das águas subterrâneas | | polígono | | |

(continua)

| DIRETÓRIO | TEMA/FEIÇÃO | | GEOMETRIA | |
|----------------------------|-------------------------------------|------------------------|--|----------|
| COMPONENTES - Z E E | POTENCIALIDADES E LIMITAÇÕES | Solos | Terras indicadas para atividades agrícolas | polígono |
| | | | Terras indicadas para pastagem plantada | polígono |
| | | | Terras indicadas para silvicultura e pastagem natural | polígono |
| | | Recursos Minerais | Zonas de interesse de minerais não metálicos | polígono |
| | | | Zonas de interesse de minerais metálicos | polígono |
| | | | Zonas de interesse de gemas, pedras preciosas e semipreciosas | polígono |
| | | | Zonas de interesse de minerais energéticos | polígono |
| | | Vulnerabilidade Social | Vulnerabilidade social | polígono |
| | | | Sistemas sociais organizados | polígono |
| | | Indústria | Cadeia ou setor de produção | polígono |
| | | | Distrito ou pólo industrial | polígono |
| | | | Arranjo minerário | polígono |
| | | Aquicultura e Pesca | Corpos d'Água Continentais | polígono |
| | | | Corpos d'Água Marinhos | polígono |
| | | | Quantidade de Pescadores | polígono |
| | | | Viveiros de Maricultura | polígono |
| | | Arranjos Agropecuários | Algodão | polígono |
| | | | Apicultura | polígono |
| | | | Avicultura integrada | polígono |
| | | | Bovinocultura | polígono |
| | | | Cacau | polígono |
| | | | Café | polígono |
| | | | Cana de açúcar | polígono |
| | | | Caprinocultura | polígono |
| | | | Citros | polígono |
| | | | Coco | polígono |
| | | | Dendê | polígono |
| | | | Feijão | polígono |
| | | | Fruticultura irrigada | polígono |
| | | | Heveicultura | polígono |
| | | | Mamão | polígono |
| | | | Mamona | polígono |
| | | | Mandioca | polígono |
| | | | Maracujá | polígono |
| | | | Milho | polígono |
| | | | Silvicultura | polígono |
| | | Sisal | polígono | |
| | | Soja | polígono | |
| | | Energia | Fontes Potenciais para Produção Combustível | polígono |
| | | | Fontes Potenciais para Suprimentos de Energia Elétrica e Térmica | polígono |

(continua)

Continuação do **Quadro 2** - Estruturação dos conteúdos no webSIG

| DIRETÓRIO | TEMA/FEIÇÃO | | GEOMETRIA |
|---|---|---|---------------|
| | Patrimônio Histórico-Cultural | Patrimônio Imaterial | polígono |
| | | Patrimônio Material | polígono |
| | | Patrimônio Arqueológico | polígono |
| POTENCIALIDADES E LIMITAÇÕES | Turismo | Patrimônio Natural - Conjunto Geográfico | polígono |
| | | Patrimônio Natural – Conj. Nat. Integ. e de Uso Agrícola/Agroflo. | polígono |
| | | Patrimônio Natural – Ecossistema | polígono |
| | | Patrimônio Natural - Paisagem Costeira | polígono |
| | | Patrimônio Natural - Sistema Hidrográfico | polígono |
| | | Patrimônio Histórico e Monumental - Núcleo Histórico | polígono |
| | | Patrimônio Histórico e Monumental - Edificação e Monum. Histórico | polígono |
| | | Patrimônio Natural Especial - Patrimônio Espeleológico | polígono |
| | | Patrimônio Natural Especial - Recurso Hidrotérmico Subterrâneo | polígono |
| | | Patrimônio Imaterial - Comunidade Autêntica | polígono |
| | | Patrimônio Imaterial - Comunidade Étnica | polígono |
| | | Patrimônio Imaterial - Produção e Manifestação Artística e Cultural | polígono |
| | | Infraestrutura Turística - Acesso Aeroviário | polígono |
| | | Infraestrutura Turística - Acesso Hidroviário | polígono |
| | | Infraestrutura Turística - Acesso Rodoviário | polígono |
| | | Infraestrutura Turística - Acesso Ferroviário | polígono |
| | | Infraestrutura Turística – Comunicação | polígono |
| | | Infraestrutura Turística - Infraestrutura Básica Local | polígono |
| | Infraestrutura Turística - Infraestrutura Hoteleira | polígono | |
| | Sustentabilidade Socioeconômica Local | polígono | |
| | Sustentabilidade Socioeconômica Regional | polígono | |
| | Institucional | Presença Física de Instituições Públicas | polígono |
| | | Sistema de Gestão Ambiental | polígono |
| | | Participação de Instituições Públicas em Colegiados | polígono |
| | | Investimentos Privados | polígono |
| | | Políticas Estaduais | polígono |
| | | Políticas Federais | polígono |
| | Infraestrutura Logística | Gargalos do Sistema de Transportes | linha |
| | | Gargalos dos Portos | ponto |
| | | Gargalos de Aeroportos | ponto |
| | | Gargalos de Limite Costeiro do Estado | linha |
| | | Corredor Norte-Sul Litorâneo | linha |
| | | Corredor Norte-Sul Interior | linha / ponto |
| | | Corredor Norte-Sul Oeste | linha |
| | | Corredor Transversal Oeste-Leste | linha |
| | | Corredor Transversal Norte | linha |
| Corredor Norte-Sul Marítimo | | ponto | |
| Transporte aeroviário | | ponto | |
| Tecnologia de informática e comunicação | | polígono | |

| | | |
|--|--------------------------------|--|
| | Zoneamento Ecológico Econômico | |
|--|--------------------------------|--|

| | | |
|--|--|----------|
| | | polígono |
|--|--|----------|





7. RELATÓRIOS

Os relatórios disponibilizados pelo webSIG podem ser acessados por meio do botão de informações no menu vertical do i3Geo, método que permite acesso aos atributos contidos nos planos de informação carregados, ou através de link específico com o “extrato da zona” já previamente carregado. São apresentadas a seguir as duas modalidades de relatórios disponibilizados:

7.1. Potencialidades e Limitações

O relatório de potencialidades e limitações é gerado para o tema e respectivo(s) aspecto(s) ou indicador(es) selecionado que integra a avaliação. Nesse relatório, cada critério afeto à área de ocorrência selecionada (poligonal específica ou município, a depender da forma de espacialização do tema) traz, além de suas potencialidades e limitações, as recomendações propostas.

A seleção do ícone de legenda, na parte superior da tela (guias), proporciona a identificação do(s) critério(s) observados no texto. Como uso da ferramenta “i” (informação), é possível obter informações referentes às camadas ativas no mapa através do menu de camadas, assim como os fatores condicionantes e os indicadores que compõem as camadas em questão.

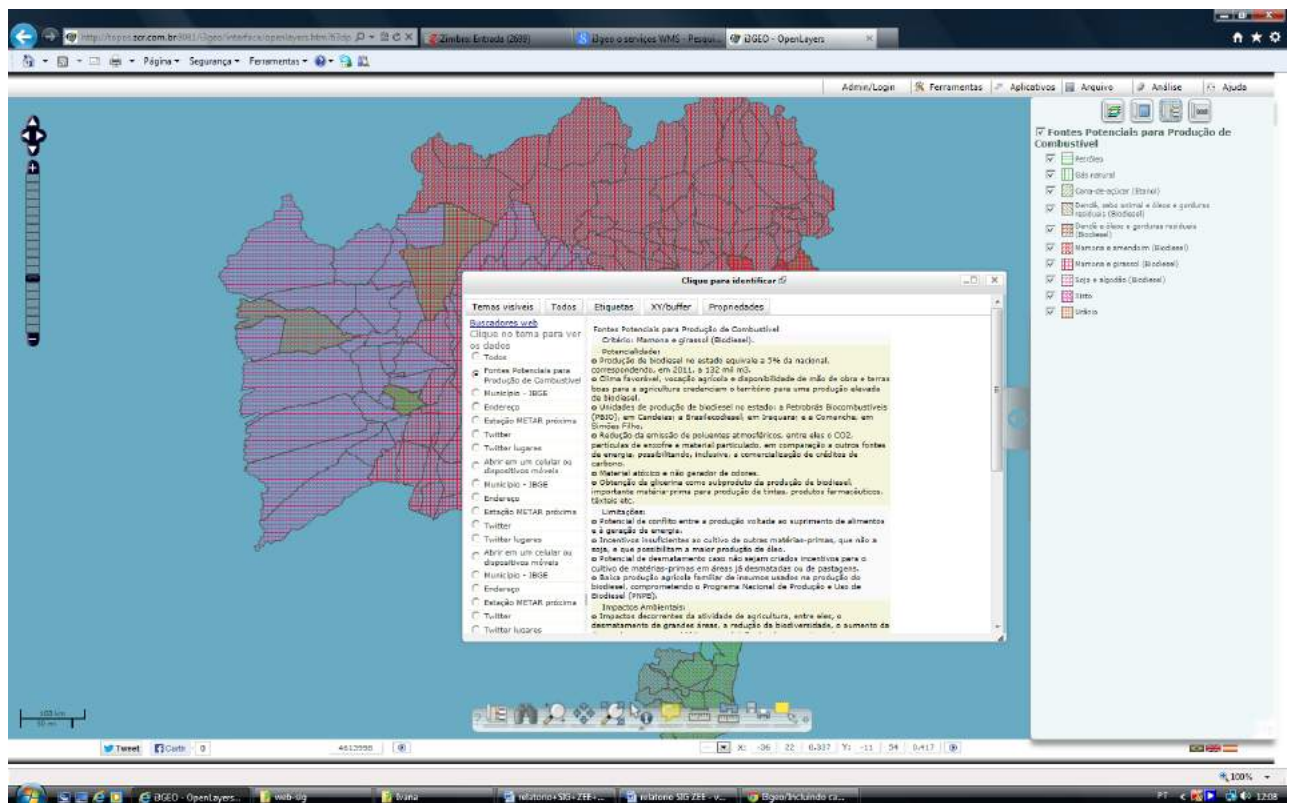


Figura 2 - Tela do relatório de potencialidades e limitações

7.2. Extrato da Zona

Para contemplar um panorama das zonas e seus principais elementos espacializados foi concebido o relatório denominado “extrato das zonas”, que carrega de forma sintética as informações mais relevantes sobre cada zona.

As informações disponíveis são:

- Identificação da Zona:
 - número e nome da zona
 - área
 - figura ilustrativa de localização da zona
- Descrição
- Diretrizes das zonas
 - Diretrizes gerais
 - Diretrizes específicas
- Vulnerabilidade Social
- Qualidade Ambiental da Biodiversidade:
 - Cobertura vegetal nativa remanescente
 - Áreas relevantes para conservação e uso sustentável da biodiversidade
- Áreas especiais:
 - Unidades de conservação
 - Comunidades tradicionais
 - Sítios arqueológicos
- Infraestrutura:
 - Equipamentos
 - Fontes de energia
- Sistemas produtivos
 - Agropecuária
 - Indústria
 - Turismo
- Sedes Urbanas
- Perímetros interceptados:
 - Unidades territoriais básicas:
 - Unidades de paisagem:
 - Bacias hidrográficas:
 - Territórios de identidade:
 - Municípios
- Principais ocorrências na zona, com os temas e aspectos abordados e respectivas potencialidades, limitações e recomendações:
 - Vulnerabilidade Natural da Biodiversidade
 - Qualidade Ambiental da Biodiversidade
 - Recursos hídricos superficiais
 - Recursos hídricos subterrâneos
 - Solos
 - Recursos Minerais
 - Vulnerabilidade Social
 - Indústria
 - Aquicultura e Pesca
 - Arranjos Agropecuários
 - Energia
 - Patrimônio Histórico-Cultural
 - Turismo
 - Institucional
 - Infraestrutura Logística

Devido a quantidade de zonas, ao todo 36 em todo o estado, e o amplo número de registros de informações selecionados para compor o extrato, o tempo de processamento requerido tornou-se por demais elevado, exigindo que seu conteúdo fosse gerado e carregado previamente. Desse forma, o relatório de extrato é disponibilizado em formato pdf, a partir de link para cada zona.



8. DOCUMENTAÇÃO

Neste capítulo é apresentada a documentação do webSIG do ZEE-Ba, contemplando o Diagrama Entidade-Relacionamento, o Dicionário de Dados e o Script da criação estrutura do banco.

8.1. Diagrama entidade-relacionamento

O Diagrama entidade-relacionamento (DER) é a representação gráfica que descreve, de forma abstrata, a estrutura lógica geral do modelo conceitual utilizado para associação dos dados do sistema.

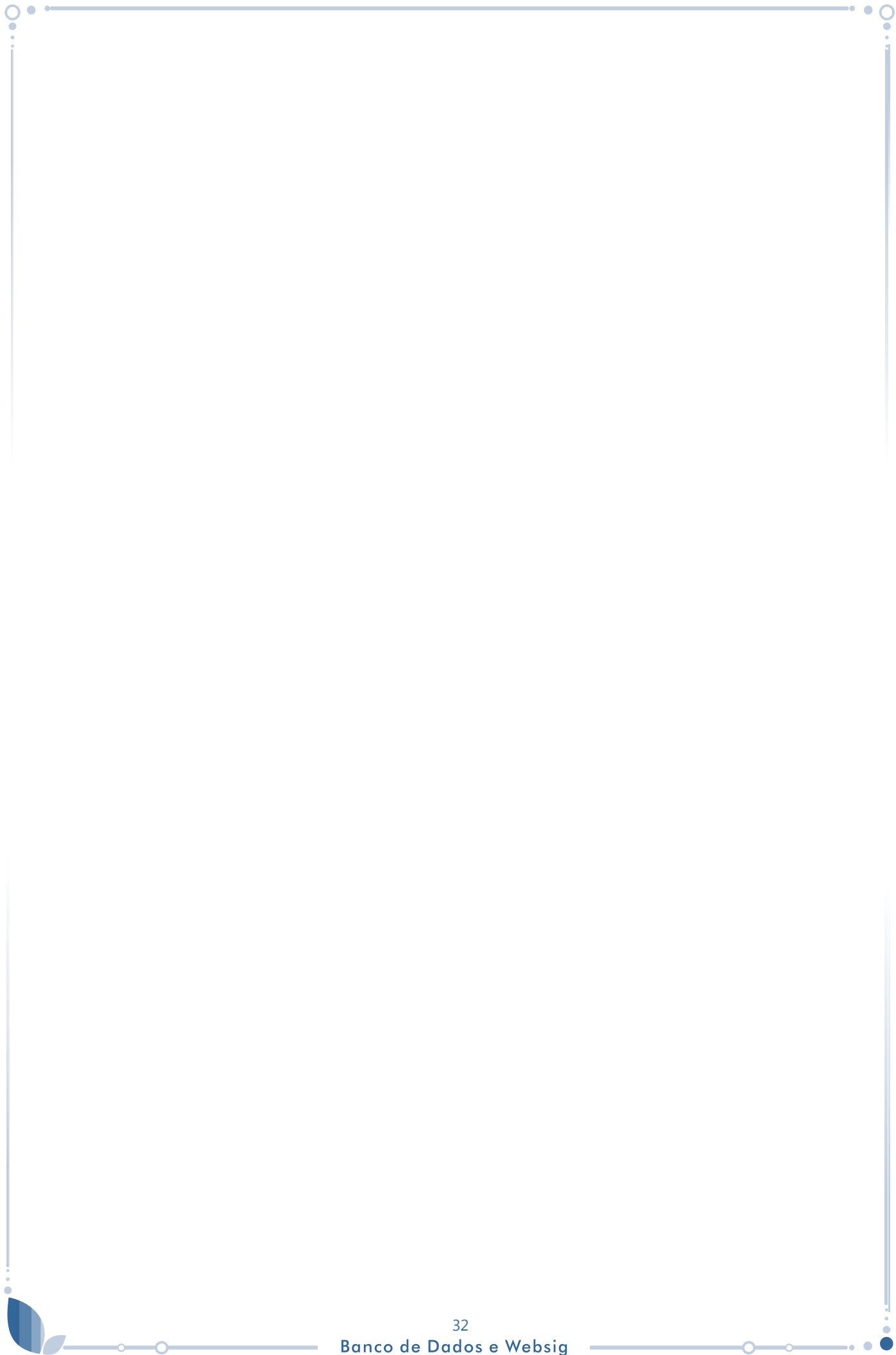
Dada a quantidade de informações e sua estrutura de relacionamento, o diagrama é apresentado, no Apêndice II, impresso em formato A0.

8.2. Dicionário de dados

O dicionário de dados, apresentado no Apêndice III, contempla as informações sobre todos os elementos de dados pertinentes ao sistema na forma textual, contendo por extenso as denominações, que pode limitação do campo destinado ao atributo, tiveram que ser simplificadas.

8.3. Script da criação da estrutura do banco

O Script da criação da estrutura do banco de dados, apresentado no Apêndice IV, contém instruções adicionais em formato Structured Query Language (SQL) ou Linguagem de Consulta Estruturada, que embora não façam parte do banco de dados, são importante para as etapas de implantação (scripts pré-implantação e pós-implantação) ou gerenciamento geral.





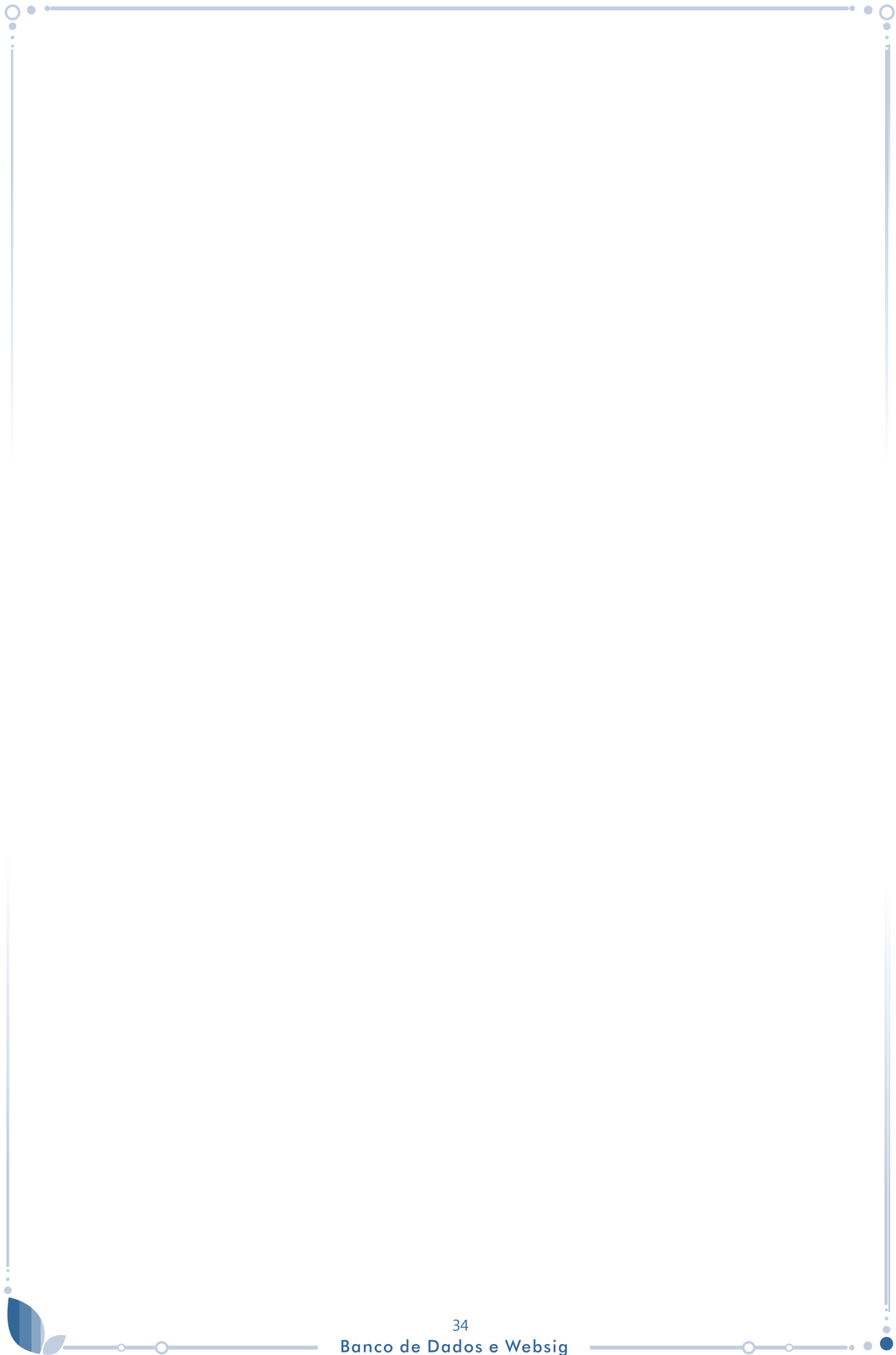
9. CONSIDERAÇÕES FINAIS

Os resultados alcançados demonstraram que a plataforma selecionada para construção do webSIG do Projeto ZEE-Ba satisfaz os requisitos técnicos e funcionais estabelecidos para o projeto pelo TDR e reuniões técnicas, estando ainda em conformidade com as recomendações metodológicas do Ministério do Meio Ambiente. Desenvolvido em plataforma livre, além de desobrigar o Governo do Estado com custos para aquisição de software, permite, com facilidade, que novas funcionalidades e dados sejam incorporados ao projeto, pois trata-se de um ambiente com código aberto e homologado como software público de referência.

Os processos de modelagem e documentação também foram previamente validados pela Comissão de Acompanhamento do ZEE, e seguem os padrões e normas oficiais, de modo que será possível, sem muito esforço, interoperar o projeto dentro dos ambientes SIGs do Estado e também entre Estados e a União.

Apesar dos bons resultados alcançados, recomenda-se que o Governo do Estado, promova de imediato a integração dos planos de informação produzidos pelo ZEE-Ba, com o demais banco de dados espaciais sob sua governança, de modo a centralizar métodos e dados espaciais sobre uma mesma plataforma, dentro do Estado, com vistas a evitar o sobreposição entre o esforço do ZEE-Ba e os demais esforços de modelagem e processamento de dados espaciais dentro do das estrutura de gestão estadual.

Sugere-se também que, na medida do possível, sejam promovidas oficinas técnicas para o corpo técnico do governo, assim como para usuários em geral, para apresentação do webSIG e promoção de laboratórios para capacitação e aperfeiçoamento do uso da ferramenta pelos próprios gestores governamentais. Recomenda-se ainda que o espaço virtual de consulta do ZEE-BA seja amplamente difundido para a sociedade, com a possibilidade de esclarecimento de dúvidas em um telefone de atendimento específico, com vistas à ampla utilização da ferramenta de planejamento e gestão, pelos diversos segmentos.

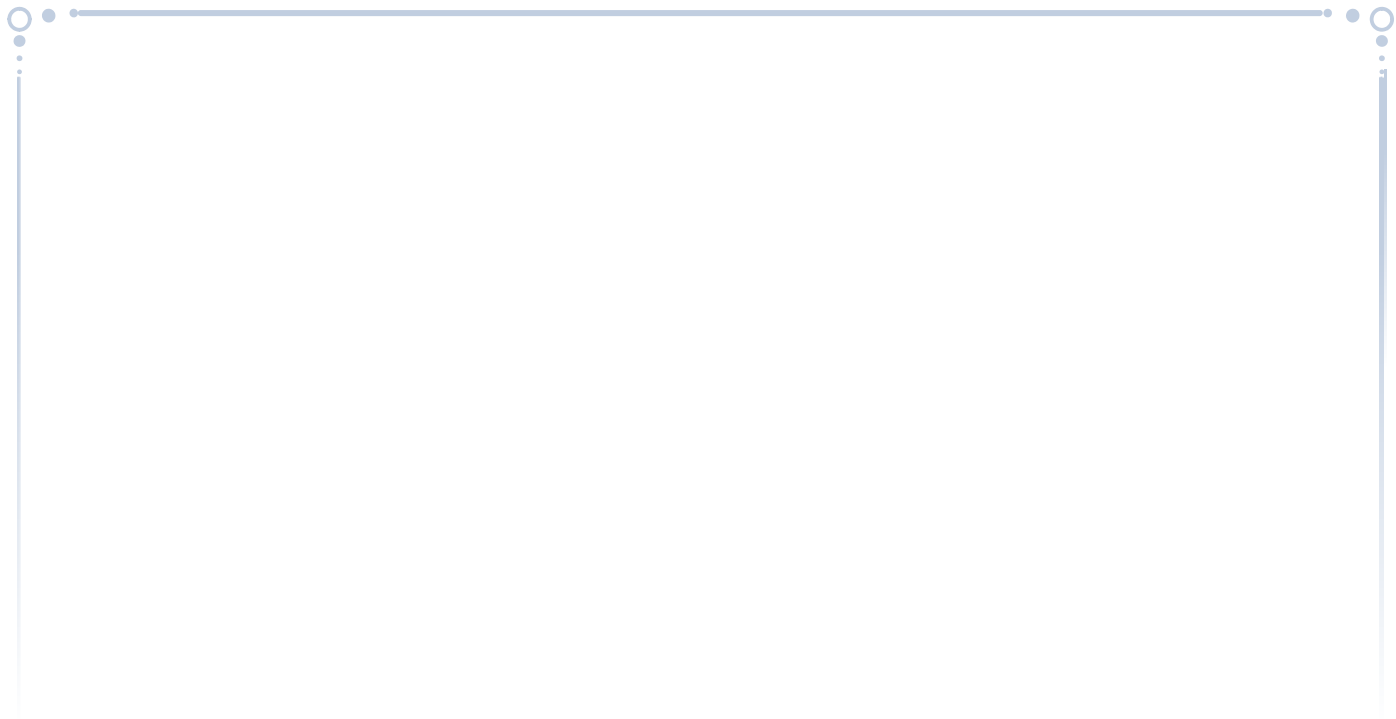


BRASIL. MINISTÉRIO DO MEIO AMBIENTE. **Programa Zoneamento Ecológico Econômico: Diretrizes metodológicas para o Zoneamento Ecológico Econômico do Brasil**. Brasília: MMA/SDS, 132 p. 2006.

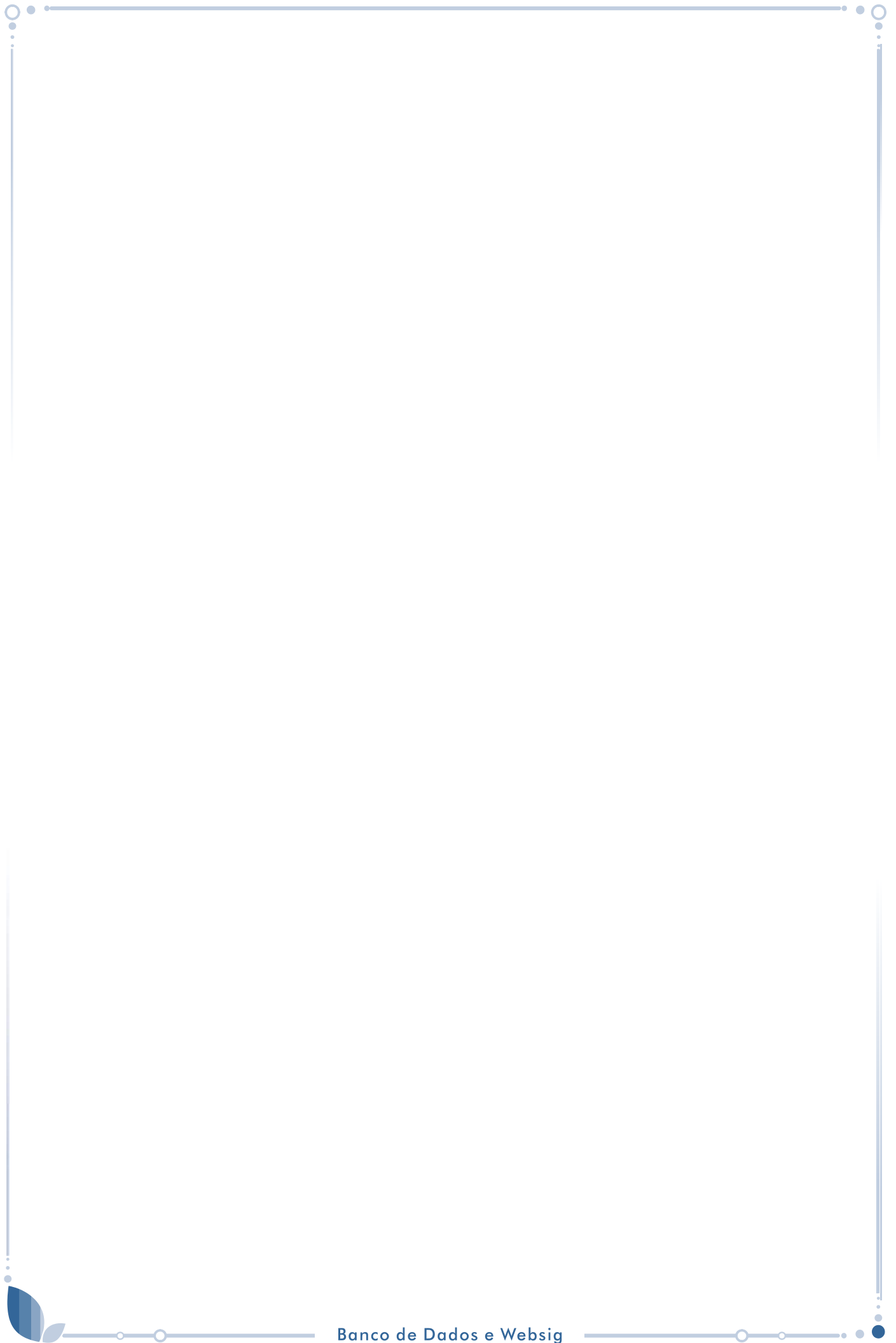
_____. MINISTÉRIO DO MEIO AMBIENTE. **I3Geo - Interface Integrada para Internet de Ferramentas de Geoprocessamento**. Disponível em: <<http://www.mma.gov.br/governanca-ambiental/geoprocessamento/download-do-i3geo>>. Acesso em: 07 mai 2013.

CASANOVA, M.; CÂMARA, G.; DAVIS, C.; VINHAS, L.; QUEIROZ, G. R. **Bancos de Dados Geográficos**. Curitiba: MundoGEO, 2005.

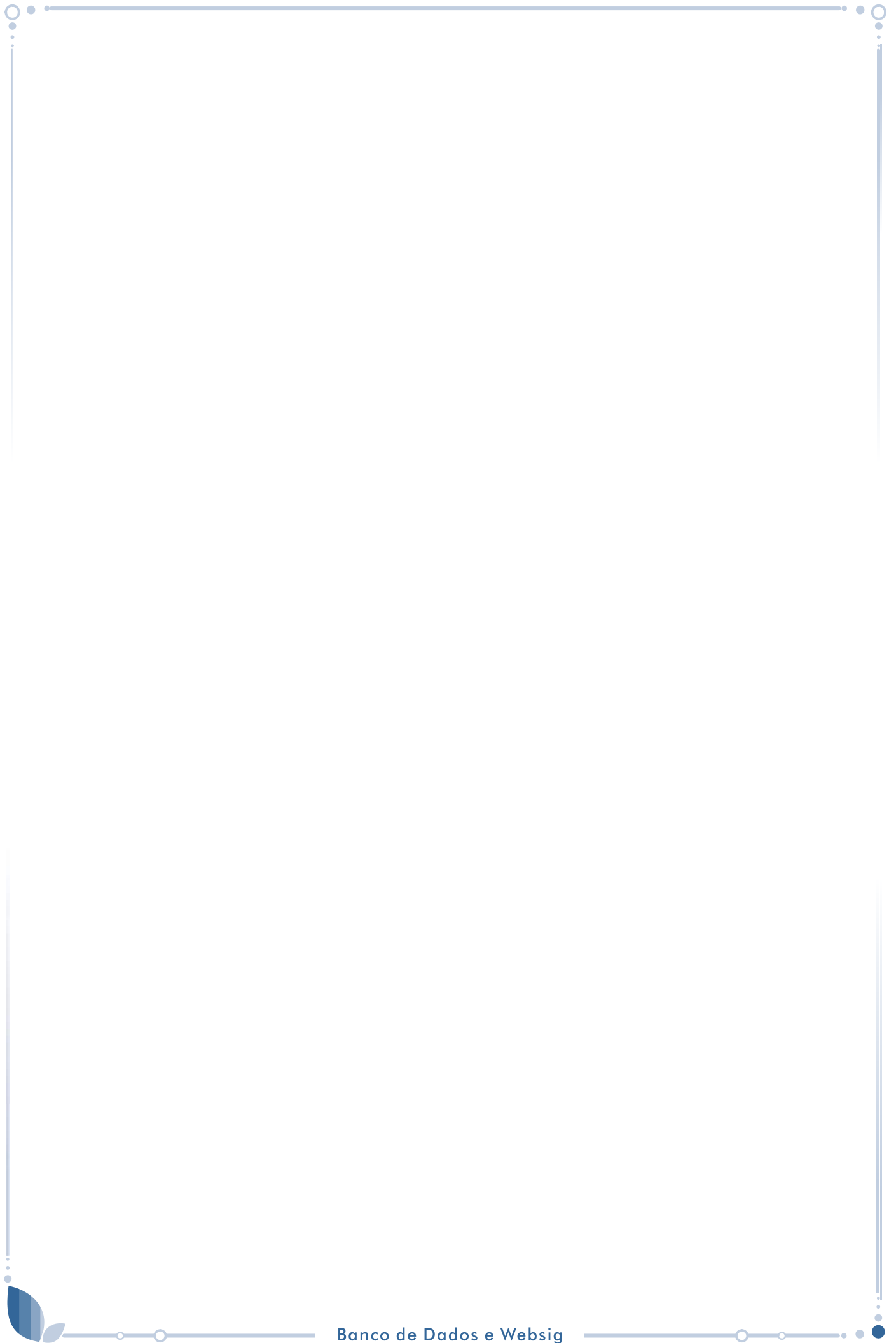
CONCAR. **Especificação técnica para estruturação de dados geoespaciais vetoriais (ET-EDGV)**. 2007. Disponível em: <http://www.concar.ibge.gov.br/arquivo/94@EDGV_V20_10_10_2007.pdf>. Acesso em: 07 mai 2013.



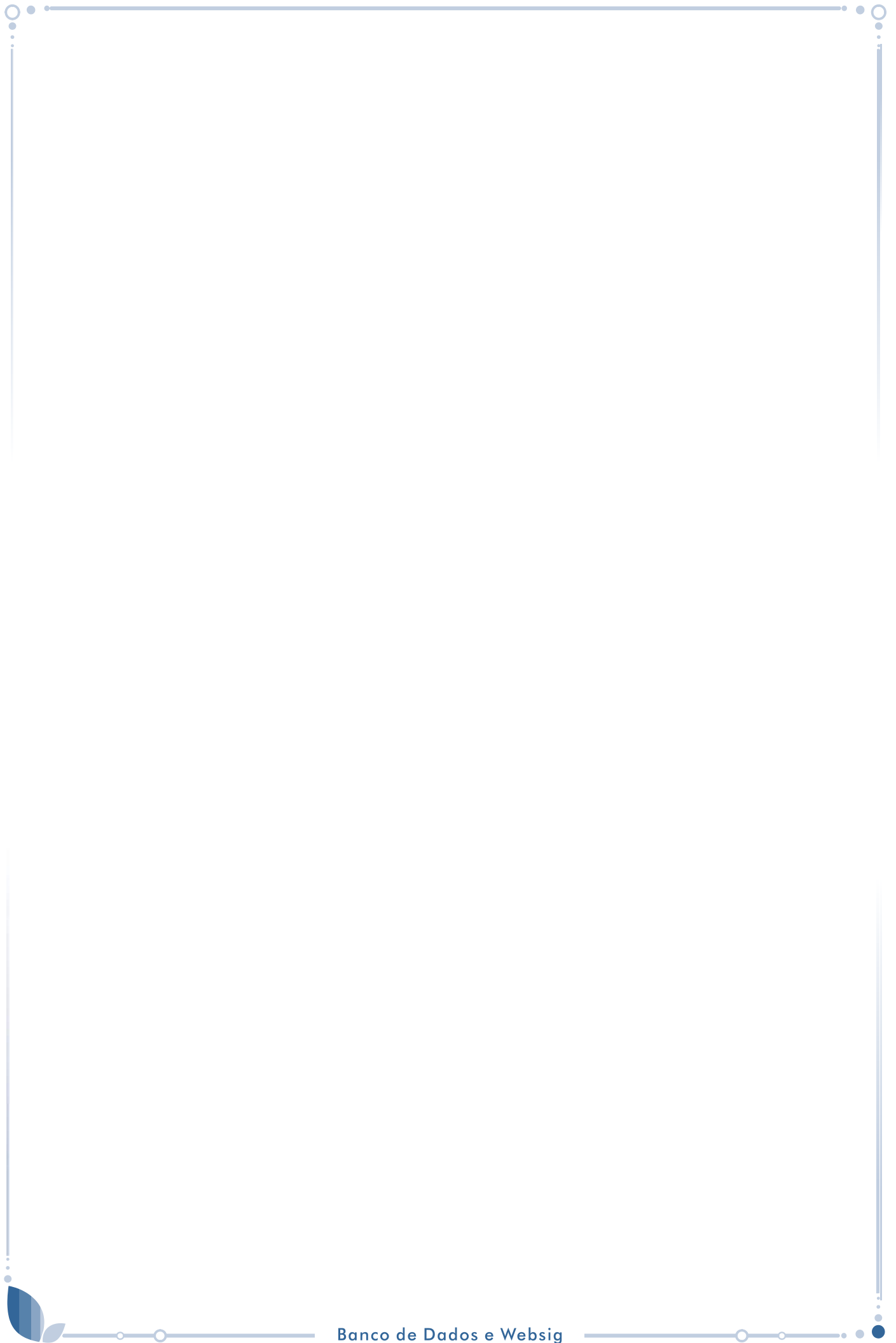
APÊNDICES



APÊNDICE I – EXTRATO DAS ZONAS – MODELO



APÊNDICE II - DIAGRAMA ENTIDADE-RELACIONAMENTO



APÊNDICE III - DICIONÁRIO DE DADOS

DICIONÁRIO DE DADOS

TABELA: aptidao_agricola

Aptidão Agrícola

| | | | | |
|----------------------------|-------------------------------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| tiporelevo | Tipo do Relevo | varchar(100) | | NULL |
| classesolo | Classe do Solo | varchar(254) | | NULL |
| siglaclassesolo2 | Sigla da Classe do Solo | varchar(10) | | NULL |
| classesoloperh | Classe do Solo PERH | varchar(50) | | NULL |
| siglaclassesoloradam | Sigla da Classe do Solo RADAM | varchar(10) | | NULL |
| regimehidricoarea | Regime Hídrico da Área | varchar(10) | | NULL |
| siglaclasseaptidaoagricola | Sigla da Classe da Aptidão Agrícola | varchar(10) | | NULL |
| identificador | Identificado do Registro | int4 | CK | ~ NULL |

TABELA: aptidao_agricola_x_classe_terra_ativ_agricola

Aptidão Agrícola x Atividade Agrícola

| | | | | |
|-------------------------------|--|-----------|----------|--------|
| identificadoraptidaoagricola | Identificado da Aptidão Agrícola | int4 | PK FK | ~ NULL |
| codigoclasseterraativagricola | Código da Classe da Atividade Agrícola | bpchar(8) | PK FK | ~ NULL |

TABELA: aptidao_agricola_x_classe_terra_nao_indicada

Aptidão Agrícola x Terra não Indicada

| | | | | |
|------------------------------|--|--------|----------|--------|
| identificadoraptidaoagricola | Identificado da Aptidão Agrícola | int4 | PK FK | ~ NULL |
| codigoclasseterranaoindicada | Código da Classe da Terra não Indicada | bpchar | PK FK | ~ NULL |

TABELA: aptidao_agricola_x_classe_terra_pasto_natural

Aptidão Agrícola x Pasto Natural

| | | | | |
|-------------------------------|---|--------|----------|--------|
| identificadoraptidaoagricola | Identificado da Aptidão Agrícola | int4 | PK FK | ~ NULL |
| codigoclasseterrapastonatural | Código da Classe da Terra Pasto Natural | bpchar | PK FK | ~ NULL |

TABELA: aptidao_agricola_x_classe_terra_pasto_plantado

Aptidão Agrícola x Pasto Plantado

| | | | | |
|--------------------------------|--|--------|----------|--------|
| identificadoraptidaoagricola | Identificado da Aptidão Agrícola | int4 | PK FK | ~ NULL |
| codigoclasseterrapastoplantado | Código da Classe da Terra Pasto Plantado | bpchar | PK FK | ~ NULL |

TABELA: area_conservacao

Área Relevante para Conservação e Uso Sustentável da Biodiversidade

| | | | | |
|--------------|----------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| codigo | Código da Área | varchar(10) | | NULL |
| classeprobio | Classe PROBIO | varchar(50) | | NULL |
| observacao | Observação | varchar(254) | | NULL |
| classezee | Classe ZEE | varchar(254) | | NULL |
| codigoclas | Classe | bpchar(8) | | NULL |

TABELA: classe_algodao

Classe de Arranjo Agropecuário da Cultura de Algodão

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_alliance_zero_extinction

Classe de Aliança Brasileira para Extinção Zero

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_apicultura

Classe de Arranjo Agropecuário de Apicultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_area_carstica

Classe de Região Cárstica

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_area_conservacao

Classe de Área Relevante para Conservação e Uso Sustentável da Biodiversidade

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_area_holistica_geodivers

Classe de Área Holística em Geodiversidade

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_area_importancia_biolog

Classe de Importância Biológica

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_area_suscep_desertific

Classe de Área Susceptível a Desertificação/Aridização

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_area_viveiro_maricult

Classe de Viveiro de Maricultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_arranjo_minerario

Classe de Arranjo Minerário

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_avicultura

Classe de Arranjo Agropecuário de Avicultura Integrada

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_bovinocultura

Classe de Arranjo Agropecuário de Bovinocultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_cacau

Classe de Arranjo Agropecuário de Cacaucultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_cadeia_producao

Classe de Cadeia ou Setor de Produção

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_cafe

Classe de Arranjo Agropecuário de Cafeicultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_cana

Classe de Arranjo Agropecuário da Cultura de Cana de Açúcar

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_caprinocultura

Classe de Arranjo Agropecuário de Caprinocultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_caverna

Classe de Caverna

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_citros

Classe de Arranjo Agropecuário de Citricultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_coco

Classe de Arranjo Agropecuário da Cultura de Coco

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_conserv_aguas_subterraneas

Classe de Conservação das Águas Subterrâneas

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_conserv_aguas_sup

Classe de Conservação das Águas Superficiais

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corpo_dagua_contin

Classe de Corpo D'Água Continental

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_ns_inter

Classe de Corredor Norte-Sul Interior - Eixos

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_ns_interp

Classe de Corredor Norte-Sul Interior - Portos

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_ns_litor

Classe de Corredor Norte-Sul Litorâneo

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_ns_marit

Classe de Corredor Norte-Sul Marítimo - Costa

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_ns_maritp

Classe de Corredor Norte-Sul Marítimo - Portos

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_ns_oeste

Classe de Corredor Norte-Sul Oeste

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_transv_n

Classe de Corredor Transversal Norte

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_corredor_transv_ol

Classe de Corredor Transversal Oeste-Leste

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_dende

Classe de Arranjo Agropecuário da Cultura de Dendê

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_disp_hidrica_superf

Classe de Disponibilidade Hídrica Superficial

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_disponib_hidrica_subterranea

Classe de Disponibilidade Hídrica Subterrânea

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_distrito_industrial
Classe de Distrito ou polo industrial

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_distrito_industrial
Classe de Distrito ou polo industrial

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_feijao
Classe de Arranjo Agropecuário da Cultura de Feijão

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_fruticultura
Classe de Arranjo Agropecuário da Fruticultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_heveicultura
Classe de Arranjo Agropecuário da Heveicultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_important_bird_area
 Classe de Área importante para aves (IBA)

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_investim_privados
 Classe de Investimentos privados

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_it_acesso_aeroviario
 Classe de Infraestrutura turística - acesso aeroviário

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_it_acesso_ferrovuario
 Classe de Infraestrutura turística - acesso ferroviário

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_it_acesso_hidrovuario
 Classe de Infraestrutura turística - acesso hidroviário

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_it_acesso_rodoviario

Classe de Infraestrutura turística - acesso rodoviário

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_it_comunicacao

Classe de Infraestrutura turística - comunicação

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_it_infraestr_basica

Classe de Infraestrutura turística - infraestrutura básica local

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_it_infraestr_hotelaira

Classe de Infraestrutura turística - infraestrutura hoteleira

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_key_biodiversity_area

Classe de Área-chave para conservação da biodiversidade (KBA)

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_mamao

Classe de Arranjo Agropecuário da Cultura de Mamão

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_mamona

Classe de Arranjo Agropecuário da Cultura de Mamona

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_mandioca

Classe de Arranjo Agropecuário da Cultura de Mandioca

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_maracuja

Classe de Arranjo Agropecuário da Cultura de Maracujá

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_milho

Classe de Arranjo Agropecuário da Cultura de Milho

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_num_pescadores

Classe de Quantidade de pescadores

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_partic_colegiados

Classe de Participação de Instituições Públicas em Colegiados

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_patrim_arqueol

Classe de Patrimônio Arqueológico

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_patrim_imaterial

Classe de Patrimônio Imaterial

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_patrim_material

Classe de Patrimônio Material

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_phm_monum_historico

Classe de Patrimônio histórico e monumental - edificação e monumento histórico

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_phm_nucleo_historico

Classe de Patrimônio histórico e monumental - núcleo histórico

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pi_comunid_autentica

Classe de Patrimônio imaterial - comunidade autêntica

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pi_comunid_etnica

Classe de Patrimônio imaterial - comunidade étnica

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pi_manifest_artistica

Classe de Patrimônio imaterial - produção e manifestação artística e cultural

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pl_vulnerab_social

Classe de Vulnerabilidade Social

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pn_conj_geogr

Classe de Patrimônio natural - conjunto geográfico

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pn_conj_nat_integ

Classe de Patrimônio natural - conjunto natural integrado e de uso agrícola/agroflorestal

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pn_ecossistema

Classe de Patrimônio natural - ecossistema

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pn_paisagem_costeira

Classe de Patrimônio natural – paisagem costeira

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pn_sistema_hidrografico
 Classe de Patrimônio natural – sistema hidrográfico

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pne_patrim_espeleologico
 Classe de Patrimônio natural especial – patrimônio espeleológico

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_pne_recurso_hidrotermico
 Classe de Patrimônio natural especial – recurso hidrotérmico subterrâneo

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_politicas_estaduais
 Classe de políticas estaduais

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_politicas_federais
 Classe de políticas federais

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_presenca_instituicoes

Classe de Presença Física de Instituições Públicas

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_qab

Classe de Qualidade da Biodiversidade

| | | | | |
|---------------|---------------|--------------|----|--------|
| identificador | Identificador | int4 | PK | ~ NULL |
| descricao | Descrição | varchar(254) | | NULL |
| intervalo | Intervalo | varchar(50) | | NULL |

TABELA: classe_qualid_aguas_subterraneas

Classe de Qualidade das Águas Subterrâneas

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_qualid_aguas_superf

Classe de Qualidade das Águas Superficiais

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_salin_aguas_superf

Classe de Salinização das Águas Superficiais

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_silvicultura

Classe de Arranjo Agropecuário de Silvicultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_sisal

Classe de Arranjo Agropecuário da Cultura de Sisal

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_sist_gestao_ambient

Classe de Sistema de Gestão Ambiental Municipal

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_sistemas_sociais

Classe de Sistemas Sociais Organizados

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_soja

Classe de Arranjo Agropecuário da Cultura de Soja

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_sustentab_socioecon_local
 Classe de Sustentabilidade socioeconômica local

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_sustentab_socioecon_regional
 Classe de Sustentabilidade socioeconômica regional

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_terra_ativ_agricola
 Classe de Terras indicadas para atividades agrícolas

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_terra_indigena
 Classe de Terras Indígenas

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_terra_indigena
 Classe de Terras Indígenas

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_terra_nao_indicada

Classe de Terras não indicadas para atividades agrícolas, pastagem ou silvicultura

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_terra_pasto_natural

Classe de Terras indicadas para silvicultura e pastagem natural

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_terra_pasto_plantado

Classe de Terras indicadas para pastagem plantada

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_territorio_quilombola

Classe de Território Quilombola

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_tic

Classe de Tecnologia de informática e comunicação

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_transp_aeroviario

Classe de Transporte Aeroviário

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_unid_conserv_estadual

Classe de Unidade de Conservação Estadual

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_unid_conserv_federal

Classe de Unidade de Conservação Federal

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_vegetacao_remanesc

Classe de Vegetação Remanescente

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_vulner_erosao

Classe de Vulnerabilidade Natural dos Solos à Erosão

| | | | | |
|-----------|------------------|-------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| intervalo | Intervalo | varchar(20) | | NULL |
| conceito | Conceito | varchar(20) | | NULL |

TABELA: classe_vulner_rh_superf

Classe de Vulnerabilidade Natural dos Recursos Hídricos Subterrâneos

| | | | | |
|-----------|------------------|-------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| intervalo | Intervalo | varchar(20) | | NULL |
| conceito | Conceito | varchar(20) | | NULL |

TABELA: classe_vulnerab_biodivers

Classe de Vulnerabilidade Natural da Biodiversidade

| | | | | |
|-----------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| intervalo | Intervalo | varchar(20) | | NULL |
| descricao | Descrição | varchar(254) | | NULL |

TABELA: classe_vulnerab_social

Classe de Vulnerabilidade Social

| | | | | |
|-----------|------------------|--------------|----|--------|
| codigo | Código da Classe | int4 | PK | ~ NULL |
| descricao | Descrição | varchar(120) | | NULL |

TABELA: classe_zim_energetico

Classe de Zonas de interesse de minerais energéticos

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| recursomineral | Recurso Mineral | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_zim_gema

Classe de Zonas de interesse de gemas, pedras preciosas e semipreciosas

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| recursomineral | Recurso Mineral | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: classe_zim_metalico

Classe de Zonas de interesse de minerais metálicos

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| recursomineral | Recurso Mineral | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | |

TABELA: classe_zim_nao_metalico

Classe de Zonas de interesse de minerais não metálicos

| | | | | |
|----------------|------------------|--------------|----|--------|
| codigo | Código da Classe | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| recursomineral | Recurso Mineral | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | |

TABELA: conceito_qualid_social

Conceito de Qualidade Social

| | | | | |
|-----------|-----------|-------------|----|--------|
| codigo | Código | bpchar(2) | PK | ~ NULL |
| descricao | Descrição | varchar(30) | | NULL |

TABELA: corpo_dagua_marinho

Corpo D'Água Marinho

| | | | | |
|----------------|----------------|--------------|----|--------|
| identificador | Identificador | int4 | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: dires

Diretoria Regional de Saúde

| | | | | |
|--------|--------|--------------|----|--------|
| codigo | Código | int4 | PK | ~ NULL |
| nome | Nome | varchar(100) | | NULL |

TABELA: dominio_morfologico

Domínio Morfológico

| | | | | |
|-----------|-----------|--------------|----|--------|
| codigo | Código | varchar(8) | PK | ~ NULL |
| descricao | Descrição | varchar(127) | | NULL |

TABELA: eixo_desenvolvimento

Eixo de Desenvolvimento

| | | | | |
|--------|--------|--------------|----|--------|
| codigo | Código | int4 | PK | ~ NULL |
| nome | Nome | varchar(100) | | NULL |

TABELA: fonte_potenc_energia

Fonte Potencial de Energia

| | | | | |
|--------------------|---------------------|--------------|----|--------|
| codigo | Código | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| impactosambientais | Impactos Ambientais | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: fonte_potenc_produc_combust

Fonte Potencial para Produção de Combustível

| | | | | |
|--------------------|---------------------|--------------|----|--------|
| codigo | Código | bpchar(8) | PK | ~ NULL |
| critério | Critério | varchar(255) | | NULL |
| potencialidade | Potencialidade | text | | NULL |
| limitacoes | Limitações | text | | NULL |
| impactosambientais | Impactos Ambientais | text | | NULL |
| recomendacoes | Recomendações | text | | NULL |

TABELA: gargalo_x_classe_corredor_ns_inter

Gargalo x Classe de Corredor Norte-Sul Interior - Eixos

| | | | | |
|-----------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredornsinter | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_corredor_ns_interp

Gargalo x Classe de Corredor Norte-Sul Interior - Portos

| | | | | |
|------------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredornsinterp | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_corredor_ns_litor

Gargalo x Classe de Corredor Norte-Sul Litorâneo

| | | | | |
|----------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredornsitor | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_corredor_ns_marit

Gargalo x Classe de Corredor Norte-Sul Maritmo - Costa

| | | | | |
|-----------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredornsmarit | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_corredor_ns_maritp

Gargalo x Classe de Corredor Norte-Sul Maritmo - Portos

| | | | | |
|------------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredornsmaritp | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_corredor_ns_oeste

Gargalo x Classe de Corredor Norte-Sul Oeste

| | | | | |
|-----------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredornsoeste | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_corredor_transv_n

Gargalo x Classe de Corredor Transversal Norte

| | | | | |
|-----------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredortransvn | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_corredor_transv_ol

Gargalo x Classe de Corredor Transversal Oeste-Leste

| | | | | |
|------------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredortransvol | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalo_x_classe_transp_aeroviario

Gargalo x Classe de Transporte Aeroviário

| | | | | |
|------------------------------|------------------------------|-----------|----------|--------|
| identificadoreixo | Identificador do eixo | int4 | PK FK | ~ NULL |
| codigoclassecorredortransvol | Código da Classe do Corredor | bpchar(8) | PK FK | ~ NULL |

TABELA: gargalos_aeroporto
Gargalos em Aeroportos

| | | | | |
|-------------------------|--------------------------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| geometriaaproximada | Geometra aproximada | varchar(3) | | NULL |
| nome | Nome | varchar(100) | | NULL |
| sigla | Sigla | varchar(4) | | NULL |
| codigotipouso | Código do tipo do uso | varchar(8) | | NULL |
| codigotipopavimento | Código do tipo do pavimento | varchar(5) | | NULL |
| descricaotipopavimento | Descrição do tipo do pavimento | varchar(30) | | NULL |
| numeropistas | Número de pistas | varchar(2) | | NULL |
| extensaomaiorpista | Extensão da maior pista | varchar(4) | | NULL |
| larguramaiorpista | Largura da maior pista | varchar(3) | | NULL |
| uf | Unidade da Federação | varchar(2) | | NULL |
| dataalteracao | Data da alteração | varchar(8) | | NULL |
| metodoalteracao | Método da alteração | varchar(50) | | NULL |
| fonteinformacao | Fonte da informação | varchar(100) | | NULL |
| altitude | Altitude | varchar(8) | | NULL |
| latitude | Latitude | numeric | | NULL |
| longitude | Longitude | numeric | | NULL |
| criterioclassificacao | Critério de classificação | varchar(100) | | NULL |
| aspectoindicacaogargalo | Aspecto indicação gargalo | varchar(100) | | NULL |
| identificador | Identificador | int4 | CK | ~ NULL |

TABELA: gargalos_limite_costeiro
Gargalos Limite Costeiro

| | | | | |
|---------------------|-------------------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| localocorrencia | Local da ocorrência | varchar(254) | | NULL |
| nomeregiaoocosteira | Nome da Região Costeira | varchar(254) | | NULL |
| identificador | Identificador | int4 | CK | ~ NULL |

TABELA: gargalos_porto

Gargalos em Portos

| | | | | |
|-----------------|---------------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| nome | Nome | varchar(254) | | NULL |
| latitude | Latitude | numeric | | NULL |
| longitude | Longitude | numeric | | NULL |
| localocorrencia | Local da ocorrência | varchar(254) | | NULL |
| corredor | Corredor | varchar(200) | | NULL |
| identificador | Identificador | int4 | CK | ~ NULL |

TABELA: gargalos_sistema_transporte

Gargalos em Sistema de Transportes

| | | | | |
|-------------------------|--------------------------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| categoria | Categoria | varchar(50) | | NULL |
| situacao | Situação | varchar(20) | | NULL |
| nomeeixo | Nome do Eixo | varchar(254) | | NULL |
| fonteinformacao | Fonte da Informação | varchar(50) | | NULL |
| extensao | Extensão | numeric | | NULL |
| peso | Peso | numeric | | NULL |
| graudificuldadefluicao | Grau de Dificuldade da Fluição | varchar(254) | | NULL |
| corredor | Corredor | varchar(254) | | NULL |
| aspectoindicacaogargalo | Aspecto indicação gargalo | varchar(250) | | NULL |
| identificador | Identificador | int4 | CK | ~ NULL |

TABELA: genero_disposic_residuo

Gênero de Disposição de Resíduos

| | | | | |
|---------------|---------------|-------------|----|--------|
| identificador | Identificador | int4 | PK | ~ NULL |
| nome | Nome | varchar(25) | | NULL |

TABELA: macro_regiao

Macro-Região

| | | | | |
|-------------------|-----------------------|-------------|----|--------|
| gid | | serial | PK | ~ NULL |
| nome | Nome | varchar(80) | | NULL |
| perimetropoligono | Perímetro do Polígono | numeric | | NULL |
| areapoligono | Área do Polígono | numeric | | NULL |
| anodereferencia | Ano de Referência | int4 | | NULL |
| nomeabrev | Nome Abreviado | varchar(50) | | NULL |

TABELA: meso_regiao

Meso-Região

| | | | | |
|--------|--------|--------------|----|--------|
| codigo | Código | int4 | PK | ~ NULL |
| nome | Nome | varchar(100) | | NULL |

TABELA: micro_regiao

Micro-Região

| | | | | |
|------------------|-----------------------|--------------|----|--------|
| codigo | Código | int4 | PK | ~ NULL |
| nome | Nome | varchar(100) | | NULL |
| codigomesoregiao | Código da Meso-Região | int4 | FK | NULL |

TABELA: munic_x_classe_algodao

Município x Classe de Arranjo Agropecuário da Cultura de Algodão

| | | | | |
|---------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassealgodao | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_apicultura

Município x Classe de Arranjo Agropecuário da Apicultura

| | | | | |
|------------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseapicultura | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_area_viveiro_maricult

Município x Classe de Viveiro de Maricultura

| | | | | |
|------------------------------------|--------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseareaviveiromaricultura | Código da Classe da Área de Viveiros | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_arranjo_minerario

Município x Classe de Arranjo Minerário

| | | | | |
|------------------------------|---------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassearranjominerario | Código da Classe do Arranjo Minerário | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_avicultura

Município x Classe de Arranjo Agropecuário da Avicultura

| | | | | |
|------------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseavicultura | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_bovinocultura

Município x Classe de Arranjo Agropecuário da Apicultura

| | | | | |
|---------------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassebovinocultura | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_cacau

Município x Classe de Arranjo Agropecuário da Cultura de Cacau

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassecacau | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_cafe

Município x Classe de Arranjo Agropecuário da Cafeicultura

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassecafe | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_cana

Município x Classe de Arranjo Agropecuário da Cultura de Cana

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassecana | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_caprinocultura

Município x Classe de Arranjo Agropecuário da Cafeicultura

| | | | | |
|----------------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassecaprinocultura | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_citros

Município x Classe de Arranjo Agropecuário da Citricultura

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassecitros | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_coco

Município x Classe de Arranjo Agropecuário da Cultura de Coco

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassecoco | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_corpo_dagua_contin

Município x Classe de Corpo D'Água Continental

| | | | | |
|-----------------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassecorpodaguacontinental | Código da Classe do Corpo D'Água Contin. | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_dende

Município x Classe de Arranjo Agropecuário da Cultura de Dendê

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasedende | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_feijao

Município x Classe de Arranjo Agropecuário da Cultura de Feijão

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassefeijao | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_fruticultura

Município x Classe de Arranjo Agropecuário da Fruticultura

| | | | | |
|--------------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassefruticultura | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_heveicultura

Município x Classe de Arranjo Agropecuário da Heveicultura

| | | | | |
|--------------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseheveicultura | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_it_acesso_aeroviario

Município x Classe de Infraestrutura turística - acesso aeroviário

| | | | | |
|--------------------------------|---------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseitacessoaeroviario | Código da Classe do Acesso Aeroviário | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_it_acesso_ferrovuario

Município x Classe de Infraestrutura turística - acesso ferroviário

| | | | | |
|---------------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseitacessoferrovuario | Código da Classe do Acesso Ferroviário | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_it_acesso_hidrovuario

Município x Classe de Infraestrutura turística - acesso hidroviário

| | | | | |
|---------------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseitacessohidrovuario | Código da Classe do Acesso Hidroviário | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_it_acesso_rodovuario

Município x Classe de Infraestrutura turística - acesso rodoviário

| | | | | |
|--------------------------------|---------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseitacessorodovuario | Código da Classe do Acesso Rodoviário | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_it_comunicacao

Município x Classe de Infraestrutura turística - comunicação

| | | | | |
|---------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseitcomunicacao | Código da Classe de Infraestrutura turística | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_it_infraestr_basica

Município x Classe de Infraestrutura turística - infraestrutura básica local

| | | | | |
|-------------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseitinfraestrbasica | Código da Classe de Infraestrutura turística | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_it_infraestr_hoteleira

Município x Classe de Infraestrutura turística - infraestrutura hoteleira

| | | | | |
|----------------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclasseitinfraestrhoteleira | Código da Classe de Infraestrutura turística | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_mamao

Município x Classe de Arranjo Agropecuário da Cultura de Mamão

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassemamao | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_mamona

Município x Classe de Arranjo Agropecuário da Cultura de Mamona

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassemamona | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_mandioca

Município x Classe de Arranjo Agropecuário da Cultura de Mandioca

| | | | | |
|---------------------------|-----------------------------|-----------|----------|--------|
| <u>geocodigomunicipio</u> | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassemandioca | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_maracuja

Município x Classe de Arranjo Agropecuário da Cultura de Maracujá

| | | | | |
|----------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassemaracuja | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_milho

Município x Classe de Arranjo Agropecuário da Cultura de Milho

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassemilho | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_num_pescadores

Município x Classe de Quantidade de pescadores

| | | | | |
|------------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassenumeropescadores | Código da Classe da Quant. Pescadores | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_patrim_arqueol

Município x Classe de Patrimônio Arqueológico

| | | | | |
|--------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepatriarqueol | Código da Classe do Patrimônio Arqueológ. | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_patrim_imaterial

Município x Classe de Patrimônio Imaterial

| | | | | |
|----------------------------|---|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepatriimaterial | Código da Classe do Patrimônio Imaterial | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_patrim_material

Município x Classe de Patrimônio Material

| | | | | |
|--------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepatriaterial | Código da Classe do Patrimônio Material | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_phm_monum_historico

Município x Classe de Patrimônio histórico e monumental – edific. e monumento histórico

| | | | | |
|--------------------------------|-----------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassephtmmonumhistorico | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_phm_nucleo_historico

Município x Classe de Patrimônio histórico e monumental - núcleo histórico

| | | | | |
|-----------------------------------|-----------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassephtm nucleo historico | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pi_comunid_autentica

Município x Classe de Patrimônio imaterial - comunidade autêntica

| | | | | |
|---------------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepicomunidaautentica | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pi_comunid_etnica

Município x Classe de Patrimônio imaterial - comunidade étnica

| | | | | |
|-----------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepicomunidetnica | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pi_manifest_artistica

Município x Classe de Patrimônio imaterial - produção e manifestação artística e cultural

| | | | | |
|---------------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepimanifestartistica | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pl_vulnerab_social

Município x Classe de Vulnerabilidade Social

| | | | | |
|------------------------------|--|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepivulnerabsocial | Código da Classe da Vulnerabilidade Social | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pn_conj_geogr

Município x Classe de Patrimônio natural - conjunto geográfico

| | | | | |
|------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepncnjgeogr | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pn_conj_nat_integ

Município x Classe de Patrimônio natural – conj. nat. integ. e de uso agrícola/agroflorestal

| | | | | |
|---------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepncnjnatinteg | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pn_ecossistema

Município x Classe de Patrimônio natural - ecossistema

| | | | | |
|----------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepneecossistema | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pn_paisagem_costeira

Município x Classe de Patrimônio natural – paisagem costeira

| | | | | |
|--------------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepnpaisagemcosteira | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pn_sistema_hidrografico

Município x Classe de Patrimônio natural – sistema hidrográfico

| | | | | |
|-----------------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepnsistemahidrografico | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pne_patrim_espeleologico

Município x Classe de Patrimônio natural especial – patrimônio espeleológico

| | | | | |
|-------------------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepnepatrimesepeleologico | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_pne_recurso_hidrotermico

Município x Classe de Patrimônio natural especial – recurso hidrotérmico subterrâneo

| | | | | |
|------------------------------------|--------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassepnerecursohidrotermico | Código da Classe do Patrimônio | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_silvicultura

Município x Classe de Arranjo Agropecuário da Silvicultura

| | | | | |
|--------------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassesilvicultura | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_sisal

Município x Classe de Arranjo Agropecuário da Cultura de Sisal

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassesisal | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_sistemas_sociais

Município x Classe de Sistemas Sociais Organizados

| | | | | |
|-----------------------------|------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassesistemassociais | Código da Classe do Sistema Social | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_soja

Município x Classe de Arranjo Agropecuário da Cultura de Soja

| | | | | |
|--------------------|-----------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassesoja | Código da Classe da Cultura | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_sustentab_socioecon_local

Município x Classe de Sustentabilidade socioeconômica local

| | | | | |
|-------------------------------------|--------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassesustentabsocioeconlocal | Código da Classe da Sustentabilidade | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_sustentab_socioecon_regional

Município x Classe de Sustentabilidade socioeconômica regional

| | | | | |
|--|--------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassesustentabsocioeconregional | Código da Classe da Sustentabilidade | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_classe_tic

Município x Classe de Tecnologia de informática e comunicação

| | | | | |
|--------------------|-------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigoclassetic | Código da Classe da TIC | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_corpo_dagua_marinho

Município x Corpo D'Água Marinho

| | | | | |
|--------------------------------|---------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| identificadorcorpodaguamarinho | Identificador do Corpo D'Água Marinho | int4 | PK FK | ~ NULL |

TABELA: munic_x_fonte_potenc_energia

Município x Classe de Fonte Potencial de Energia

| | | | | |
|--------------------------|---------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigofontepotencenergia | Código da Classe da Fonte | bpchar(8) | PK FK | ~ NULL |

TABELA: munic_x_fonte_potenc_produc_combust

Município x Fonte Potencial para Produção de Combustível

| | | | | |
|--------------------------------|---------------------------|-----------|----------|--------|
| codigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| codigofontepotencproduccombust | Código da Classe da Fonte | bpchar(8) | PK FK | ~ NULL |



TABELA: municipio

Município

| | | | | |
|----------------------------|------------------------------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| geocodigo | Código IBGE | bpchar(7) | CK | NULL |
| nome | Nome | varchar(100) | | NULL |
| areakm2 | Área em km ² | numeric | | NULL |
| perimetropoligono | Perímetro do Polígono | numeric | | NULL |
| areapoligono | Área do Polígono | numeric | | NULL |
| anodereferencia | Ano de Referência | int4 | | NULL |
| nomeabrev | Nome Abreviado | varchar(50) | | NULL |
| semiarido | Semi-árido | bool | | NULL |
| poligonoseca | Polígono da seca | bool | | NULL |
| codigoregiaoeconomica | Código da Região Econômica | int4 | FK | NULL |
| codigoregiaoadministrativa | Código da Região Administrativa | int4 | FK | NULL |
| codigoeixodesenvolvimento | Código do Eixo de Desenvolvimento | int4 | FK | NULL |
| codigomicroregiao | Código da Micro-Região | int4 | FK | NULL |
| codigodires | Código da DIRES | int4 | FK | NULL |
| codigoterritorioidentidade | Código do Território de Identidade | int4 | FK | NULL |
| identificadormacrorregiao | Identificador da Macro-Região | int4 | FK | NULL |
| populacao2010 | População em 2010 | numeric | | NULL |
| populacao2007 | População em 2007 | numeric | | NULL |

TABELA: pasto_quilombolas_pescadores

Fundo de Pasto, Quilombolas e Pescadores

| | | | | |
|--------------------|--------------------------------------|-----------|----|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK | ~ NULL |
| numcomunquilombola | Número de Comunidades Quilombolas | int4 | | NULL |
| numcomunfundopasto | Número de Comunidades Fundo de Pasto | int4 | | NULL |
| numcomunpescadores | Número de Pescadores | int4 | | NULL |

TABELA: poligono_rh_subterraneo

Polígono de Recursos Hídricos Subterrâneos

| gid | | serial | PK | ~ NULL |
|------------------------|------------------------------|--------------|----|--------|
| codigodsmr | Código do Polígono | int4 | FK | NULL |
| profundmediapoco | Profundidade Média do Poço | numeric | | NULL |
| nivelestaticomediopoco | Nível Estático Médio do Poço | numeric | | NULL |
| niveldinamicomediopoco | Nível Dinâmico Médio do Poço | numeric | | NULL |
| vazaomediapoco | Vazão Média do Poço | numeric | | NULL |
| rebaixamento | Rebaixamento | | | NULL |
| vazaoespecifica | Vazão Específica | numeric | | NULL |
| espessurasaturada | Espessura Saturada | numeric | | NULL |
| volume | Volume | numeric | | NULL |
| reservapermanente | Reserva Permanente | numeric | | NULL |
| reservareguladora | Reserva Reguladora | numeric | | NULL |
| potencialidadeanual | Potencialidade Anual | numeric | | NULL |
| disponibvirtual | Disponibilidade Virtual | numeric | | NULL |
| disponibefetiva | Disponibilidade Efetiva | numeric | | NULL |
| disponibatual | Disponibilidade Atual | numeric | | NULL |
| numeropocos | Número de Poços | numeric | | NULL |
| aquifero | Aquífero | varchar(50) | | NULL |
| rpgaunidadebalanco | RPGA/Unidade de Balanço | varchar(70) | | NULL |
| isoietasanual | Isoietas Anual | numeric | | NULL |
| isoietasmensal | Isoietas Mensal | numeric | | NULL |
| subdominiohidrogeo | Subdomínio Hidrogeológico | varchar(100) | | NULL |
| dominiohidrogeo | Domínio Hidrogeológico | varchar(100) | | NULL |

TABELA: poligono_up

Polígono de Unidade de Paisagem

| gid | | serial | PK | ~ NULL |
|-----------------|--------------------------------------|---------|----|--------|
| identificador | Identificador | int4 | CK | NULL |
| identificadorup | Identificador da Unidade de Paisagem | int4 | FK | NULL |
| perimetrom | Perímetro em km | numeric | | NULL |
| areakm2 | Área em km ² | numeric | | NULL |

TABELA: poligono_utb

Polígono de Unidade Territorial Básica

| | | | | |
|------------------|---|---------|----|--------|
| gid | | serial | PK | ~ NULL |
| identificador | Identificador | int4 | CK | NULL |
| identificadorutb | Identificador da Unidade Territorial Básica | int4 | FK | NULL |
| areakm2 | Área em km ² | numeric | | NULL |

TABELA: poligutb_x_classe_vulner_erosao

Município x Classe de Vulnerabilidade Natural dos Solos à Erosão

| | | | | |
|--------------------------|-------------------------------------|-----------|----------|--------|
| identificadorpoligonoutb | Identificador do Polígono da UTB | int4 | PK FK | ~ NULL |
| codigoclassevulnererosao | Código da Classe da Vulnerabilidade | bpchar(8) | PK FK | ~ NULL |

TABELA: popul_n_atend_esgoto

População não atendida por esgotamento sanitário

| | | | | |
|--------------------|-------------------------------------|-----------|----|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK | ~ NULL |
| populacao | Quantidade de pessoas não atendidas | float8 | | NULL |

TABELA: porte_municipio

Porte de Município

| | | | | |
|-----------|-----------|-------------|----|--------|
| codigo | Código | bpchar(2) | PK | ~ NULL |
| descricao | Descrição | varchar(20) | | NULL |

TABELA: qab

Qualidade da Biodiversidade

| | | | | |
|------------------------|--|------------|----|--------|
| gid | | serial | PK | ~ NULL |
| perimetrom | Perímetro em km | varchr(20) | | NULL |
| areakm2 | Área em km ² | numeric | | NULL |
| identificadorclasseqab | Ident. Classe da Qualidade da Biodiversid. | int4 | CK | NULL |

TABELA: regio_administrativa

Região Administrativa

| | | | | |
|--------|--------|--------------|----|--------|
| codigo | Código | int4 | PK | ~ NULL |
| nome | Nome | varchar(100) | | NULL |

TABELA: regio_economica

Região Econômica

| | | | | |
|--------|--------|--------------|----|--------|
| codigo | Código | int4 | PK | ~ NULL |
| nome | Nome | varchar(100) | | NULL |

TABELA: sede_x_numero_veiculos

Sede x Número de Veículos

| | | | | |
|--------------------|--------------------------------|-----------|----|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK | ~ NULL |
| quantidadeveiculos | Quantidade de Veículos na Sede | int4 | | NULL |

TABELA: sede_x_tipos_disposic_residuo

Sede x Tipo de Disposição de Resíduos

| | | | | |
|-----------------------------|-------------------------------------|-----------|----------|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK FK | ~ NULL |
| identificadortipodisposicao | Identificador do Tipo de Disposição | int4 | PK FK | ~ NULL |

TABELA: territorio_identidade

Território de Identidade

| | | | | |
|-------------------|-----------------------|--------------|----|--------|
| gid | | serial | PK | ~ NULL |
| codigo | Código | int4 | CK | NULL |
| perimetropoligono | Perímetro do Polígono | numeric | | NULL |
| areapoligono | Área do Polígono | numeric | | NULL |
| nome | Nome | varchar(254) | | NULL |

TABELA: ti_x_classe_cadeia_producao

Território de Identidade x Classe de Cadeia ou Setor de Produção

| | | | | |
|----------------------------|-------------------------------------|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclassecadeiaproducao | Código da Classe da Cadeia de Prod. | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_distrito_industrial

Território de Identidade x Classe de Distrito ou polo industrial

| | | | | |
|--------------------------------|---|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclassedistritoindustrial | Código da Classe do Distrito Industrial | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_distrito_industrial

Território de Identidade x Classe de Distrito ou polo industrial

| | | | | |
|--------------------------------|---|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclassedistritoindustrial | Código da Classe do Distrito Industrial | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_investim_privados

Território de Identidade x Classe de Investimentos privados

| | | | | |
|------------------------------|--------------------------------------|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclasseinvestimprivados | Código da Classe de Invest. privados | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_partic_colegiados

Território de Identidade x Classe de Participação de Instituições Públicas em Colegiados

| | | | | |
|------------------------------|------------------------------------|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclasseparticcolegiados | Código da Classe de Participação | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_politicas_estaduais

Território de Identidade x Classe de políticas estaduais

| | | | | |
|--------------------------------|--------------------------------------|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclassepoliticasestaduais | Código da Classe de Políticas Estad. | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_politicas_federais

Território de Identidade x Classe de políticas federais

| | | | | |
|------------------------------|--|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclassepoliticafederais | Código da Classe de Políticas Federais | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_presenca_instituicoes

Território de Identidade x Classe de Presença Física de Instituições Públicas

| | | | | |
|----------------------------------|-------------------------------------|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclassepresencainstituicoes | Código da Classe de Presença Física | bpchar(8) | PK FK | ~ NULL |

TABELA: ti_x_classe_sist_gestao_ambient

Território de Identidade x Classe de Sistema de Gestão Ambiental Municipal

| | | | | |
|------------------------------|--------------------------------------|-----------|----------|--------|
| codigoti | Código do Território de Identidade | int4 | PK FK | ~ NULL |
| codigoclasesistgestaoambient | Código da Classe e Sistema de Gestão | bpchar(8) | PK FK | ~ NULL |

TABELA: tipo_concentracao_pib

Tipo de Concentração de PIB

| | | | | |
|-----------|-----------|-------------|----|--------|
| codigo | Código | bpchar(2) | PK | ~ NULL |
| descricao | Descrição | varchar(30) | | NULL |

TABELA: tipo_disposic_residuo

Tipo de Disposição de Resíduo

| | | | | |
|---------------------|---------------------------------------|-------------|----|--------|
| identificador | Identificador | int4 | PK | ~ NULL |
| nome | Nome | varchar(30) | | NULL |
| identificadorgenero | Identificador do Gênero da Disposição | int4 | FK | NULL |

TABELA: tipo_predominancia_popul

Tipo de Predominância da População

| | | | | |
|-----------|-----------|-------------|----|--------|
| codigo | Código | bpchar(2) | PK | ~ NULL |
| descricao | Descrição | varchar(20) | | NULL |

TABELA: tipo_tendencia_popul

Tipo de Tendência da População

| | | | | |
|-----------|-----------|-------------|----|--------|
| codigo | Código | bpchar(2) | PK | ~ NULL |
| descricao | Descrição | varchar(20) | | NULL |

TABELA: ub_x_classe_conserv_aguas_sup

Unidade de Balanço x Classe de Conservação das Águas Superficiais

| | | | | |
|--|---------------------------------|-----------|----------|--------|
| codigounidadebalanco | Código da Unidade de Balanço | bpchar(8) | PK FK | ~ NULL |
| codigoclasseconservacaoaguassuperficiais | Código da Classe de Conservação | bpchar(8) | PK FK | ~ NULL |

TABELA: ub_x_classe_disp_hidrica_superf

Unidade de Balanço x Classe de Disponibilidade Hídrica Superficial

| | | | | |
|---|-------------------------------------|-----------|----------|--------|
| codigounidadebalanco | Código da Unidade de Balanço | bpchar(8) | PK FK | ~ NULL |
| codigoclassedisponibilidadehidrica superficial | Código da Classe de Disponibilidade | bpchar(8) | PK FK | ~ NULL |

TABELA: ub_x_classe_qualid_aguas_superf

Unidade de Balanço x Classe de Qualidade das Águas Superficiais

| | | | | |
|--|-------------------------------|-----------|----------|--------|
| codigounidadebalanco | Código da Unidade de Balanço | bpchar(8) | PK FK | ~ NULL |
| codigoclassequalidadeaguassuperficiais | Código da Classe de Qualidade | bpchar(8) | PK FK | ~ NULL |

TABELA: ub_x_classe_salin_aguas_superf

Unidade de Balanço x Classe de Salinização das Águas Superficiais

| | | | | |
|--|---------------------------------|-----------|----------|--------|
| codigounidadebalanco | Código da Unidade de Balanço | bpchar(8) | PK FK | ~ NULL |
| codigoclassesalinizacaoaguassuperficiais | Código da Classe de Salinização | bpchar(8) | PK FK | ~ NULL |

TABELA: ub_x_classe_vulner_rh_superf

Unidade de Balanço x Classe de Vulnerabilidade dos Recursos Hídricos Superficiais

| | | | | |
|----------------------------|-------------------------------------|-----------|----------|--------|
| codigoub | Código da Unidade de Balanço | bpchar(8) | PK FK | ~ NULL |
| codigoclassevulnerrhsuperf | Código da Classe de Vulnerabilidade | bpchar(8) | PK FK | ~ NULL |

TABELA: unidade_paisagem

Unidade de Paisagem

| | | | | |
|---------------|---------------|--------------|----|--------|
| identificador | Identificador | int4 | PK | ~ NULL |
| simbolo | Símbolo | varchar(8) | | NULL |
| descricao | Descrição | varchar(254) | | NULL |
| nome | Nome | varchar(254) | | NULL |

TABELA: utb

Unidade Territorial Básica

| | | | | |
|--------------------------|-------------------------------|--------------|----|--------|
| identificador | Identificador | int4 | PK | ~ NULL |
| numero | Número | int4 | | NULL |
| nome | Nome | varchar(50) | | NULL |
| descricao | Descrição | varchar(254) | | NULL |
| codigodominiomorfologico | Código do Domínio Morfológico | varchar(254) | | NULL |
| zonafitoclimatica | Zona Fitoclimática | varchar(254) | | NULL |

TABELA: vulnerab_biodivers

Vulnerabilidade da Biodiversidade

| | | | | |
|-------------------------|-------------------------------------|------------|----|--------|
| gid | Identificador | serial | PK | ~ NULL |
| areakm2 | Área em km ² | numeric | | NULL |
| codigoclassevulnerabbio | Código da Classe da Vulnerabilidade | varchar(8) | | NULL |

TABELA: vulnerab_social
Vulnerabilidade Social

| | | | | |
|----------------------------|--|-------------|----|--------|
| geocodigomunicipio | Código do Município | bpchar(7) | PK | ~ NULL |
| indicequalidvida | Índice de Qualidade de Vida | float8 | | NULL |
| indicecondiceconomica | Índice de Condição Econômica | float8 | | NULL |
| codigoconceitoqualidvida | Código do Conceito da Qualidade de Vida | bpchar(2) | | NULL |
| codigoconceitocondicvida | Código do Conceito da Condição de Vida | bpchar(2) | | NULL |
| codigoconceitocondicecon | Código do Conceito da Condição Econôm. | bpchar(2) | | NULL |
| codigotipoconcentrpi | Código do Tipo de Concentração do PIB | bpchar(2) | | NULL |
| indiceginiterras | Índice de GINI | float8 | | NULL |
| indicecondvida | Índice de Condição de Vida | float8 | | NULL |
| codigoportemunicipio | Código do Porte do Município | bpchar(2) | | NULL |
| codigotipotendenciapopul | Código do Tipo de Tendência da População | bpchar(1) | | NULL |
| codigotipopredominpopul | Código do Tipo de Predomínio da Popul. | bpchar(2) | | NULL |
| perspecotimista | Perspectiva Otimista | bpchar(3) | | NULL |
| perspecnegativa | Perspectiva Negativa | bpchar(3) | | NULL |
| indicdimzonaproximal | Ind.Dim.Zona Proximal | varchar(30) | | NULL |
| tipoproximootimista | Tipo Próximo Otimista | int4 | | NULL |
| tipoproximonegativo | Tipo Próximo Negativo | int4 | | NULL |
| codigoclassevulnerabsocial | Código da Classe da Vulnerab. Social | int4 | | NULL |

TABELA: zim_x_classe_zim_energetico

Zona de Interesse Mineral x Classe de Zonas de interesse de minerais energéticos

| | | | | |
|---------------------------|--|-----------|----------|--------|
| identificadorzim | Identificador da Zona de Interesse Mineral | int4 | PK FK | ~ NULL |
| codigoclassezimenergetico | Código da Classe da Z I M Energéticos | bpchar(8) | PK FK | ~ NULL |

TABELA: zim_x_classe_zim_gema

Zona de Interesse Mineral x Classe de Zonas de interesse de gemas

| | | | | |
|---------------------|--|-----------|----------|--------|
| identificadorzim | Identificador da Zona de Interesse Mineral | int4 | PK FK | ~ NULL |
| codigoclassezimgema | Código da Classe da Z I de Gemas | bpchar(8) | PK FK | ~ NULL |

TABELA: zim_x_classe_zim_metalico

Zona de Interesse Mineral x Classe de Zonas de interesse de minerais metálicos

| | | | | |
|-------------------------|--|-----------|----------|--------|
| identificadorzim | Identificador da Zona de Interesse Mineral | int4 | PK FK | ~ NULL |
| codigoclassezimmetalico | Código da Classe da Z I M Metálicos | bpchar(8) | PK FK | ~ NULL |

TABELA: zim_x_classe_zim_nao_metalico

Zona de Interesse Mineral x Classe de Zonas de interesse de minerais não metálicos

| | | | | |
|----------------------------|--|-----------|----------|--------|
| identificadorzim | Identificador da Zona de Interesse Mineral | int4 | PK FK | ~ NULL |
| codigoclassezimnaometalico | Código da Classe da Z I M Não Metálicos | bpchar(8) | PK FK | ~ NULL |

TABELA: zona_interesse_mineral

Zona de Interesse Mineral

| | | | | |
|----------------|-------------------------|-------------|----|--------|
| gid | | serial | PK | ~ NULL |
| identificador | Identificador | int4 | CK | NULL |
| areakm2 | Área em km ² | numeric | | NULL |
| recursomineral | Recurso Mineral | varchar(50) | | NULL |

TABELA: zoneamento_ecologico_economico

Zoneamento Ecológico-Econômico

| | | | | |
|-------------------------|--------------------------|--------------|----|--------|
| numero | Número | int4 | PK | ~ NULL |
| nome | Nome | varchar(100) | | NULL |
| caracterizacao | Caracterização | varchar(254) | | NULL |
| caracterizacaoexpandida | Caracterização Expandida | text | | NULL |
| diretrizgeral | Diretriz Geral | text | | NULL |
| diretrizspecifica | Diretriz Específica | text | | NULL |

APÊNDICE IV - SCRIPT DA CRIAÇÃO ESTRUTURA DO BANCO

APÊNDICE IV - SCRIPT DA CRIAÇÃO ESTRUTURA DO BANCO

```
--
-- PostgreSQL database dump
--

-- Dumped from database version 9.1.4
-- Dumped by pg_dump version 9.3.4
-- Started on 2014-05-28 09:14:01 BRT

SET statement_timeout = 0;
SET lock_timeout = 0;
SET client_encoding = 'UTF8';
SET standard_conforming_strings = on;
SET check_function_bodies = false;
SET client_min_messages = warning;

SET search_path = public, pg_catalog;

--
-- TOC entry 1749 (class 0 OID 0)
-- Name: box2d; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE box2d;

--
-- TOC entry 701 (class 1255 OID 16470)
-- Name: box2d_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box2d_in(cstring) RETURNS box2d
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_in';

--
-- TOC entry 702 (class 1255 OID 16471)
-- Name: box2d_out(box2d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box2d_out(box2d) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_out';

--
-- TOC entry 1748 (class 1247 OID 16447)
-- Name: box2d; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE box2d (
    INTERNALLENGTH = 16,
    INPUT = box2d_in,
    OUTPUT = box2d_out,
    ALIGNMENT = int4,
    STORAGE = plain
);

--
-- TOC entry 5479 (class 0 OID 0)
-- Dependencies: 1748
-- Name: TYPE box2d; Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON TYPE box2d IS 'postgis type: A box composed of x min, ymin, xmax,
ymax. Often used to return the 2d enclosing box of a geometry.';
```

```

--
-- TOC entry 1737 (class 0 OID 0)
-- Name: box3d; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE box3d;

--
-- TOC entry 677 (class 1255 OID 16439)
-- Name: box3d_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box3d_in(cstring) RETURNS box3d
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'BOX3D_in';

--
-- TOC entry 678 (class 1255 OID 16440)
-- Name: box3d_out(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box3d_out(box3d) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'BOX3D_out';

--
-- TOC entry 1736 (class 1247 OID 16436)
-- Name: box3d; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE box3d (
    INTERNALLENGTH = 48,
    INPUT = box3d_in,
    OUTPUT = box3d_out,
    ALIGNMENT = double,
    STORAGE = plain
);

--
-- TOC entry 5481 (class 0 OID 0)
-- Dependencies: 1736
-- Name: TYPE box3d; Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON TYPE box3d IS 'postgis type: A box composed of x min, ymin, zmin,
xmax, ymax, zmax. Often used to return the 3d extent of a geometry or collection of
geometries.';

--
-- TOC entry 1741 (class 0 OID 0)
-- Name: box3d_extent; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE box3d_extent;

--
-- TOC entry 679 (class 1255 OID 16443)
-- Name: box3d_extent_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box3d_extent_in(cstring) RETURNS box3d_extent

```

```

LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_in';

--
-- TOC entry 680 (class 1255 OID 16444)
-- Name: box3d_extent_out(box3d_extent); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION box3d_extent_out(box3d_extent) RETURNScstring
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_extent_out';

--
-- TOC entry 1740 (class 1247 OID 16442)
-- Name: box3d_extent; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE box3d_extent (
INTERNALLENGTH = 48,
INPUT = box3d_extent_in,
OUTPUT = box3d_extent_out,
ALIGNMENT = double,
STORAGE = plain
);

--
-- TOC entry 5483 (class 0 OID 0)
-- Dependencies: 1740
-- Name: TYPE box3d_extent; Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON TYPE box3d_extent IS 'postgis type: A box composed of x min, ymin,
zmin, xmax, ymax, zmax. Often used to return the extent of a geometry.';

--
-- TOC entry 1745 (class 0 OID 0)
-- Name: chip; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE chip;

--
-- TOC entry 695 (class 1255 OID 16463)
-- Name: chip_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION chip_in(cstring) RETURNS chip
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_in';

--
-- TOC entry 696 (class 1255 OID 16464)
-- Name: chip_out(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION chip_out(chip) RETURNS cstring
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_out';

--
-- TOC entry 1744 (class 1247 OID 16462)
-- Name: chip; Type: TYPE; Schema: public; Owner: -
--

```

```

CREATE TYPE chip (
    INTERNALLENGTH = variable,
    INPUT = chip_in,
    OUTPUT = chip_out,
    ALIGNMENT = double,
    STORAGE = extended
);

--
-- TOC entry 1768 (class 0 OID 0)
-- Name: geography; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE geography;

--
-- TOC entry 1301 (class 1255 OID 17197)
-- Name: geography_analyze(internal); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geography_analyze(internal) RETURNS boolean
    LANGUAGE c STRICT
    AS '$libdir/postgis-1.5', 'geography_analyze';

--
-- TOC entry 1190 (class 1255 OID 17195)
-- Name: geography_in(cstring, oid, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_in(cstring, oid, integer) RETURNS geography
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_in';

--
-- TOC entry 1252 (class 1255 OID 17196)
-- Name: geography_out(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geography_out(geography) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_out';

--
-- TOC entry 1326 (class 1255 OID 17192)
-- Name: geography_typmod_in(cstring[]); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_typmod_in(cstring[]) RETURNS integer
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_typmod_in';

--
-- TOC entry 1327 (class 1255 OID 17193)
-- Name: geography_typmod_out(integer); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION geography_typmod_out(integer) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_typmod_out';

```

```

--
-- TOC entry 1767 (class 1247 OID 17194)
-- Name: geography; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE geography (
    INTERNALLENGTH = variable,
    INPUT = geography_in,
    OUTPUT = geography_out,
    TYPMOD_IN = geography_typmod_in,
    TYPMOD_OUT = geography_typmod_out,
    ANALYZE = geography_analyze,
    ALIGNMENT = double,
    STORAGE = main
);

--
-- TOC entry 5486 (class 0 OID 0)
-- Dependencies: 1767
-- Name: TYPE geography; Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON TYPE geography IS 'postgis type: Ellipsoidal spatial data type.';

--
-- TOC entry 1733 (class 0 OID 0)
-- Name: geometry; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE geometry;

--
-- TOC entry 647 (class 1255 OID 16408)
-- Name: geometry_analyze(internal); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry_analyze(internal) RETURNS boolean
    LANGUAGE c STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_analyze';

--
-- TOC entry 645 (class 1255 OID 16406)
-- Name: geometry_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry_in(cstring) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_in';

--
-- TOC entry 646 (class 1255 OID 16407)
-- Name: geometry_out(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry_out(geometry) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_out';

--
-- TOC entry 648 (class 1255 OID 16409)
-- Name: geometry_recv(internal); Type: FUNCTION; Schema: public; Owner: -
--

```



```

CREATE FUNCTION geometry_recv(internal) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_recv';

--
-- TOC entry 649 (class 1255 OID 16410)
-- Name: geometry_send(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry_send(geometry) RETURNS bytea
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_send';

--
-- TOC entry 1732 (class 1247 OID 16400)
-- Name: geometry; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE geometry (
    INTERNALLENGTH = variable,
    INPUT = geometry_in,
    OUTPUT = geometry_out,
    RECEIVE = geometry_recv,
    SEND = geometry_send,
    ANALYZE = geometry_analyze,
    DELIMITER = ':',
    ALIGNMENT = int4,
    STORAGE = main
);

--
-- TOC entry 5488 (class 0 OID 0)
-- Dependencies: 1732
-- Name: TYPE geometry; Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON TYPE geometry IS 'postgis type: Planar spatial data type.';

--
-- TOC entry 1752 (class 1247 OID 16722)
-- Name: geometry_dump; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE geometry_dump AS (
    path integer[],
    geom geometry
);

--
-- TOC entry 5490 (class 0 OID 0)
-- Dependencies: 1752
-- Name: TYPE geometry_dump; Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON TYPE geometry_dump IS 'postgis type: A spatial datatype with two
fields - geom (holding a geometry object) and path[] (a 1-d array holding the
position of the geometry within the dumped object.)';

--
-- TOC entry 1772 (class 0 OID 0)
-- Name: gidx; Type: SHELL TYPE; Schema: public; Owner: -
--

```

```

CREATE TYPE gidx;

--
-- TOC entry 1302 (class 1255 OID 17200)
-- Name: gidx_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION gidx_in(cstring) RETURNS gidx
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'gidx_in';

--
-- TOC entry 1303 (class 1255 OID 17201)
-- Name: gidx_out(gidx); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION gidx_out(gidx) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'gidx_out';

--
-- TOC entry 1771 (class 1247 OID 17199)
-- Name: gidx; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE gidx (
    INTERNALLENGTH = variable,
    INPUT = gidx_in,
    OUTPUT = gidx_out,
    ALIGNMENT = double,
    STORAGE = plain
);

--
-- TOC entry 1764 (class 0 OID 0)
-- Name: pgis_abs; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE pgis_abs;

--
-- TOC entry 1040 (class 1255 OID 16901)
-- Name: pgis_abs_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION pgis_abs_in(cstring) RETURNS pgis_abs
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'pgis_abs_in';

--
-- TOC entry 1041 (class 1255 OID 16902)
-- Name: pgis_abs_out(pgis_abs); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION pgis_abs_out(pgis_abs) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'pgis_abs_out';

--
-- TOC entry 1763 (class 1247 OID 16900)
-- Name: pgis_abs; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE pgis_abs (

```

```

        INTERNALLENGTH = 8,
        INPUT = pgis_abs_in,
        OUTPUT = pgis_abs_out,
        ALIGNMENT = double,
        STORAGE = plain
    );

--
-- TOC entry 1729 (class 0 OID 0)
-- Name: spheroid; Type: SHELL TYPE; Schema: public; Owner: -
--

CREATE TYPE spheroid;

--
-- TOC entry 638 (class 1255 OID 16397)
-- Name: spheroid_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION spheroid_in(cstring) RETURNS spheroid
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'ellipsoid_in';

--
-- TOC entry 639 (class 1255 OID 16398)
-- Name: spheroid_out(spheroid); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION spheroid_out(spheroid) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'ellipsoid_out';

--
-- TOC entry 1728 (class 1247 OID 16394)
-- Name: spheroid; Type: TYPE; Schema: public; Owner: -
--

CREATE TYPE spheroid (
    INTERNALLENGTH = 65,
    INPUT = spheroid_in,
    OUTPUT = spheroid_out,
    ALIGNMENT = double,
    STORAGE = plain
);

--
-- TOC entry 1375 (class 1255 OID 17282)
-- Name: _st_asgeojson(integer, geography, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION _st_asgeojson(integer, geography, integer, integer) RETURNS
text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_as_geojson';

--
-- TOC entry 1122 (class 1255 OID 16993)
-- Name: _st_asgeojson(integer, geometry, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

```

```

CREATE FUNCTION _st_asgeojson(integer, geometry, integer, integer) RETURNS
text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_asGeoJson';

--
-- TOC entry 1361 (class 1255 OID 17268)
-- Name: _st_asgml(integer, geography, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION _st_asgml(integer, geography, integer, integer) RETURNS text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_as_gml';

--
-- TOC entry 1105 (class 1255 OID 16976)
-- Name: _st_asgml(integer, geometry, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION _st_asgml(integer, geometry, integer, integer) RETURNS text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_asGML';

--
-- TOC entry 1369 (class 1255 OID 17276)
-- Name: _st_askml(integer, geography, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION _st_askml(integer, geography, integer) RETURNS text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_as_kml';

--
-- TOC entry 1114 (class 1255 OID 16985)
-- Name: _st_askml(integer, geometry, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION _st_askml(integer, geometry, integer) RETURNS text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_askML';

--
-- TOC entry 1407 (class 1255 OID 17314)
-- Name: _st_bestsrid(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION _st_bestsrid(geography) RETURNS integer
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_BestSRID($1,$1)$_$$;

--
-- TOC entry 1406 (class 1255 OID 17313)
-- Name: _st_bestsrid(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_bestsrid(geography, geography) RETURNS integer
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_bestsrid';

```

```

--
-- TOC entry 1014 (class 1255 OID 16870)
-- Name: _st_buffer(geometry, double precision,cstring); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION _st_buffer(geometry, double precision,cstring) RETURNS
geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'buffer';

--
-- TOC entry 1072 (class 1255 OID 16943)
-- Name: _st_contains(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_contains(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'contains';

--
-- TOC entry 1078 (class 1255 OID 16949)
-- Name: _st_containsproperly(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION _st_containsproperly(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'containsproperly';

--
-- TOC entry 1074 (class 1255 OID 16945)
-- Name: _st_coveredby(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_coveredby(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'coveredby';

--
-- TOC entry 1399 (class 1255 OID 17306)
-- Name: _st_covers(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_covers(geography, geography) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'geography_covers';

--
-- TOC entry 1076 (class 1255 OID 16947)
-- Name: _st_covers(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_covers(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'covers';

--
-- TOC entry 1066 (class 1255 OID 16937)

```

```

-- Name: _st_crosses(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_crosses(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'crosses';

--
-- TOC entry 1290 (class 1255 OID 17159)
-- Name: _st_dfullywithin(geometry, geometry, double precision); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION _st_dfullywithin(geometry, geometry, double precision) RETURNS
boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_dfullywithin';

--
-- TOC entry 1383 (class 1255 OID 17290)
-- Name: _st_distance(geography, geography, double precision, boolean); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION _st_distance(geography, geography, double precision, boolean)
RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'geography_distance';

--
-- TOC entry 908 (class 1255 OID 16727)
-- Name: _st_dumppoints(geometry, integer[]); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_dumppoints(the_geom geometry, cur_path integer[]) RETURNS
SETOF geometry_dump
LANGUAGE plpgsql
AS $$
DECLARE
tmp geometry_dump;
tmp2 geometry_dump;
nb_points integer;
nb_geom integer;
i integer;
j integer;
g geometry;

BEGIN

RAISE DEBUG '%,%', cur_path, ST_GeometryType(the_geom);

-- Special case (MULTI* OR GEOMETRYCOLLECTION) : iterate and return the
DumpPoints of the geometries
SELECT ST_NumGeometries(the_geom) INTO nb_geom;

IF (nb_geom IS NOT NULL) THEN

i = 1;
FOR tmp2 IN SELECT (ST_Dump(the_geom)).* LOOP

FOR tmp IN SELECT * FROM _ST_DumpPoints(tmp2.geom, cur_path ||
tmp2.path) LOOP
RETURN NEXT tmp;
END LOOP;
i = i + 1;

```

```

        END LOOP;

        RETURN;
    END IF;

    -- Special case (POLYGON) : return the points of the rings of a polygon
    IF (ST_GeometryType(the_geom) = 'ST_Polygon') THEN

        FOR tmp IN SELECT * FROM _ST_DumpPoints(ST_ExteriorRing(the_geom),
cur_path || ARRAY[1]) LOOP
            RETURN NEXT tmp;
        END LOOP;

        j := ST_NumInteriorRings(the_geom);
        FOR i IN 1..j LOOP
            FOR tmp IN SELECT * FROM _ST_DumpPoints(ST_InteriorRingN(the_geom, i),
cur_path || ARRAY[i+1]) LOOP
                RETURN NEXT tmp;
            END LOOP;
        END LOOP;

        RETURN;
    END IF;

    -- Special case (POINT) : return the point
    IF (ST_GeometryType(the_geom) = 'ST_Point') THEN

        tmp.path = cur_path || ARRAY[1];
        tmp.geom = the_geom;

        RETURN NEXT tmp;
        RETURN;

    END IF;

    -- Use ST_NumPoints rather than ST_NPoints to have a NULL value if the_geom
isn't
    -- a LINESTRING or CIRCULARSTRING.
    SELECT ST_NumPoints(the_geom) INTO nb_points;

    -- This should never happen
    IF (nb_points IS NULL) THEN
        RAISE EXCEPTION 'Unexpected error while dumping geometry %',
ST_AsText(the_geom);
    END IF;

    FOR i IN 1..nb_points LOOP
        tmp.path = cur_path || ARRAY[i];
        tmp.geom := ST_PointN(the_geom, i);
        RETURN NEXT tmp;
    END LOOP;

    END
    $$;

--
-- TOC entry 1060 (class 1255 OID 16931)
-- Name: _st_dwithin(geometry, geometry, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION _st_dwithin(geometry, geometry, double precision) RETURNS
boolean
    LANGUAGE c IMMUTABLE STRICT COST 100
    AS '$libdir/postgis-1.5', 'LWGEOM_dwithin';

```

```

--
-- TOC entry 1384 (class 1255 OID 17291)
-- Name: _st_dwithin(geography, geography, double precision, boolean); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION _st_dwithin(geography, geography, double precision, boolean)
RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT COST 100
    AS '$libdir/postgis-1.5', 'geography_dwithin';

--
-- TOC entry 1094 (class 1255 OID 16965)
-- Name: _st_equals(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_equals(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT COST 100
    AS '$libdir/postgis-1.5', 'geomequals';

--
-- TOC entry 1388 (class 1255 OID 17295)
-- Name: _st_expand(geography, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION _st_expand(geography, double precision) RETURNS geography
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_expand';

--
-- TOC entry 1063 (class 1255 OID 16934)
-- Name: _st_intersects(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_intersects(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT COST 100
    AS '$libdir/postgis-1.5', 'intersects';

--
-- TOC entry 1020 (class 1255 OID 16876)
-- Name: _st_linecrossingdirection(geometry, geometry); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION _st_linecrossingdirection(geometry, geometry) RETURNS integer
    LANGUAGE c IMMUTABLE STRICT COST 100
    AS '$libdir/postgis-1.5', 'ST_LineCrossingDirection';

--
-- TOC entry 1288 (class 1255 OID 17157)
-- Name: _st_longestline(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_longestline(geometry, geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_longestline2d';

--
-- TOC entry 1284 (class 1255 OID 17153)

```



```

-- Name: _st_maxdistance(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_maxdistance(geometry, geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_maxdistance2d_linestring';

--
-- TOC entry 1315 (class 1255 OID 17181)
-- Name: _st_orderingequals(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION _st_orderingequals(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_same';

--
-- TOC entry 1081 (class 1255 OID 16952)
-- Name: _st_overlaps(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_overlaps(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'overlaps';

--
-- TOC entry 1398 (class 1255 OID 17305)
-- Name: _st_pointoutside(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION _st_pointoutside(geography) RETURNS geography
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_point_outside';

--
-- TOC entry 1058 (class 1255 OID 16929)
-- Name: _st_touches(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_touches(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'touches';

--
-- TOC entry 1069 (class 1255 OID 16940)
-- Name: _st_within(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION _st_within(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'within';

--
-- TOC entry 1304 (class 1255 OID 17170)
-- Name: addauth(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION addauth(text) RETURNS boolean

```

```

        LANGUAGE plpgsql
        AS $_$
DECLARE
    lockid alias for $1;
    okay boolean;
    myrec record;
BEGIN
    -- check to see if table exists
    -- if not, CREATE TEMP TABLE mylock (transid xid, lockcode text)
    okay := 'f';
    FOR myrec IN SELECT * FROM pg_class WHERE relname =
'temp_lock_have_table' LOOP
        okay := 't';
    END LOOP;
    IF (okay <> 't') THEN
        CREATE TEMP TABLE temp_lock_have_table (transid xid, lockcode
text);
            -- this will only work from postgresql 7.4 up
            -- ON COMMIT DELETE ROWS;
        END IF;

        -- INSERT INTO mylock VALUES ( $1)
    EXECUTE 'INSERT INTO temp_lock_have_table VALUES ( ' ||
        quote_literal(getTransactionID()) || ',' ||
        quote_literal(lockid) || ')';

    INSERT INTO temp_lock_have_table VALUES (getTransactionID(), lockid);

    RETURN true::boolean;
END;
$_$;

--
-- TOC entry 5495 (class 0 OID 0)
-- Dependencies: 1304
-- Name: FUNCTION addauth(text); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION addauth(text) IS 'args: auth_token - Add an authorization
token to be used in current transaction.';

--
-- TOC entry 753 (class 1255 OID 16569)
-- Name: addbbox(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION addbbox(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_addBBOX';

--
-- TOC entry 936 (class 1255 OID 16771)
-- Name: addgeometrycolumn(character varying, character varying, integer,
character varying, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION addgeometrycolumn(character varying, character varying,
integer, character varying, integer) RETURNS text
LANGUAGE plpgsql STRICT
AS $_$
DECLARE
    ret text;
BEGIN
    SELECT AddGeometryColumn('','',$1,$2,$3,$4,$5) into ret;
    RETURN ret;
END;
$_$;

```

```

--
-- TOC entry 5496 (class 0 OID 0)
-- Dependencies: 936
-- Name: FUNCTION addgeometrycolumn(character varying, character varying,
integer, character varying, integer); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION addgeometrycolumn(character varying, character varying,
integer, character varying, integer) IS 'args: table_name, column_name, srid, type,
dimension - Adds a geometry column to an existing table of attributes.';

--
-- TOC entry 935 (class 1255 OID 16770)
-- Name: addgeometrycolumn(character varying, character varying, character
varying, integer, character varying, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION addgeometrycolumn(character varying, character varying,
character varying, integer, character varying, integer) RETURNS text
LANGUAGE plpgsql STABLE STRICT
AS $_$
DECLARE
    ret text;
BEGIN
    SELECT AddGeometryColumn('$1',$2,$3,$4,$5,$6) into ret;
    RETURN ret;
END;
$_$;

--
-- TOC entry 5497 (class 0 OID 0)
-- Dependencies: 935
-- Name: FUNCTION addgeometrycolumn(character varying, character varying,
character varying, integer, character varying, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION addgeometrycolumn(character varying, character varying,
character varying, integer, character varying, integer) IS 'args: schema_name,
table_name, column_name, srid, type, dimension - Adds a geometry column to an
existing table of attributes.';

--
-- TOC entry 934 (class 1255 OID 16769)
-- Name: addgeometrycolumn(character varying, character varying, character
varying, character varying, integer, character varying, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION addgeometrycolumn(character varying, character varying,
character varying, character varying, integer, character varying, integer) RETURNS
text
LANGUAGE plpgsql STRICT
AS $_$
DECLARE
    catalog_name alias for $1;
    schema_name alias for $2;
    table_name alias for $3;
    column_name alias for $4;
    new_srid alias for $5;
    new_type alias for $6;
    new_dim alias for $7;
    rec RECORD;
    sr varchar;

```

```

real_schema name;
sql text;

BEGIN

-- Verify geometry type
IF ( NOT ( (new_type = 'GEOMETRY') OR
           (new_type = 'GEOMETRYCOLLECTION') OR
           (new_type = 'POINT') OR
           (new_type = 'MULTIPOINT') OR
           (new_type = 'POLYGON') OR
           (new_type = 'MULTIPOLYGON') OR
           (new_type = 'LINESTRING') OR
           (new_type = 'MULTILINESTRING') OR
           (new_type = 'GEOMETRYCOLLECTIONM') OR
           (new_type = 'POINTM') OR
           (new_type = 'MULTIPOINTM') OR
           (new_type = 'POLYGONM') OR
           (new_type = 'MULTIPOLYGONM') OR
           (new_type = 'LINESTRINGM') OR
           (new_type = 'MULTILINESTRINGM') OR
           (new_type = 'CIRCULARSTRING') OR
           (new_type = 'CIRCULARSTRINGM') OR
           (new_type = 'COMPOUNDCURVE') OR
           (new_type = 'COMPOUNDCURVEM') OR
           (new_type = 'CURVEPOLYGON') OR
           (new_type = 'CURVEPOLYGONM') OR
           (new_type = 'MULTICURVE') OR
           (new_type = 'MULTICURVEM') OR
           (new_type = 'MULTISURFACE') OR
           (new_type = 'MULTISURFACEM')) )
THEN
    RAISE EXCEPTION 'Invalid type name - valid ones are:
POINT, MULTIPOINT,
LINESTRING, MULTILINESTRING,
POLYGON, MULTIPOLYGON,
CIRCULARSTRING, COMPOUNDCURVE, MULTICURVE,
CURVEPOLYGON, MULTISURFACE,
GEOMETRY, GEOMETRYCOLLECTION,
POINTM, MULTIPOINTM,
LINESTRINGM, MULTILINESTRINGM,
POLYGONM, MULTIPOLYGONM,
CIRCULARSTRINGM, COMPOUNDCURVEM, MULTICURVEM
CURVEPOLYGONM, MULTISURFACEM,
or GEOMETRYCOLLECTIONM';
    RETURN 'fail';
END IF;

-- Verify dimension
IF ( (new_dim >4) OR (new_dim <2) ) THEN
    RAISE EXCEPTION 'invalid dimension';
    RETURN 'fail';
END IF;

IF ( (new_type LIKE '%M') AND (new_dim!=3) ) THEN
    RAISE EXCEPTION 'TypeM needs 3 dimensions';
    RETURN 'fail';
END IF;

-- Verify SRID
IF ( new_srid != -1 ) THEN
    SELECT SRID INTO sr FROM spatial_ref_sys WHERE SRID = new_srid;
    IF NOT FOUND THEN
        RAISE EXCEPTION 'AddGeometryColumns() - invalid SRID';
        RETURN 'fail';
    END IF;
END IF;

```

```

-- Verify schema
IF ( schema_name IS NOT NULL AND schema_name != '' ) THEN
    sql := 'SELECT nspname FROM pg_namespace ' ||
           'WHERE text(nspname) = ' || quote_literal(schema_name) ||
           'LIMIT 1';
    RAISE DEBUG '%', sql;
    EXECUTE sql INTO real_schema;

    IF ( real_schema IS NULL ) THEN
        RAISE EXCEPTION 'Schema % is not a valid schemaname',
quote_literal(schema_name);
        RETURN 'fail';
    END IF;
END IF;

IF ( real_schema IS NULL ) THEN
    RAISE DEBUG 'Detecting schema';
    sql := 'SELECT n.nspname AS schemaname ' ||
           'FROM pg_catalog.pg_class c ' ||
           'JOIN pg_catalog.pg_namespace n ON n.oid = c.relnamespace
' ||
           'WHERE c.relkind = ' || quote_literal('r') ||
           ' AND n.nspname NOT IN ( ' || quote_literal('pg_catalog') ||
', ' || quote_literal('pg_toast') || ' )' ||
           ' AND pg_catalog.pg_table_is_visible(c.oid)' ||
           ' AND c.relname = ' || quote_literal(table_name);
    RAISE DEBUG '%', sql;
    EXECUTE sql INTO real_schema;

    IF ( real_schema IS NULL ) THEN
        RAISE EXCEPTION 'Table % does not occur in the
search_path', quote_literal(table_name);
        RETURN 'fail';
    END IF;
END IF;

-- Add geometry column to table
sql := 'ALTER TABLE ' ||
quote_ident(real_schema) || '.' || quote_ident(table_name)
|| ' ADD COLUMN ' || quote_ident(column_name) ||
' geometry ';
RAISE DEBUG '%', sql;
EXECUTE sql;

-- Delete stale record in geometry_columns (if any)
sql := 'DELETE FROM geometry_columns WHERE
f_table_catalog = ' || quote_literal('') ||
' AND f_table_schema = ' ||
quote_literal(real_schema) ||
' AND f_table_name = ' || quote_literal(table_name) ||
' AND f_geometry_column = ' || quote_literal(column_name);
RAISE DEBUG '%', sql;
EXECUTE sql;

-- Add record in geometry_columns
sql := 'INSERT INTO geometry_columns
(f_table_catalog,f_table_schema,f_table_name, ' ||
'f_geometry_column,coord_dimension,srid,type)' ||
' VALUES (' ||
quote_literal('') || ',' ||
quote_literal(real_schema) || ',' ||
quote_literal(table_name) || ',' ||
quote_literal(column_name) || ',' ||
new_dim::text || ',' ||
new_srid::text || ',' ||

```

```

        quote_literal(new_type) || ')';
RAISE DEBUG '%', sql;
EXECUTE sql;

-- Add table CHECKs
sql := 'ALTER TABLE ' ||
    quote_ident(real_schema) || '.' || quote_ident(table_name)
    || ' ADD CONSTRAINT '
    || quote_ident('enforce_srid_' || column_name)
    || ' CHECK (ST_SRID(' || quote_ident(column_name) ||
    ') = ' || new_srid::text || ')';
RAISE DEBUG '%', sql;
EXECUTE sql;

sql := 'ALTER TABLE ' ||
    quote_ident(real_schema) || '.' || quote_ident(table_name)
    || ' ADD CONSTRAINT '
    || quote_ident('enforce_dims_' || column_name)
    || ' CHECK (ST_NDims(' || quote_ident(column_name) ||
    ') = ' || new_dim::text || ')';
RAISE DEBUG '%', sql;
EXECUTE sql;

IF ( NOT (new_type = 'GEOMETRY')) THEN
    sql := 'ALTER TABLE ' ||
        quote_ident(real_schema) || '.' || quote_ident(table_name)
    || ' ADD CONSTRAINT ' ||
        quote_ident('enforce_geotype_' || column_name) ||
        ' CHECK (GeometryType(' ||
        quote_ident(column_name) || ')=' ||
        quote_literal(new_type) || ' OR (' ||
        quote_ident(column_name) || ') is null)';
    RAISE DEBUG '%', sql;
    EXECUTE sql;
END IF;

RETURN
    real_schema || '.' ||
    table_name || '.' || column_name ||
    ' SRID:' || new_srid::text ||
    ' TYPE:' || new_type ||
    ' DIMS:' || new_dim::text || ' ';

END;
$_$;

--
-- TOC entry 5498 (class 0 OID 0)
-- Dependencies: 934
-- Name: FUNCTION addgeometrycolumn(character varying, character varying,
character varying, character varying, integer, character varying, integer); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION addgeometrycolumn(character varying, character varying,
character varying, character varying, integer, character varying, integer) IS 'args:
catalog_name, schema_name, table_name, column_name, srid, type, dimension - Adds a
geometry column to an existing table of attributes.';

--
-- TOC entry 884 (class 1255 OID 16700)
-- Name: addpoint(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
--

CREATE FUNCTION addpoint(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_addpoint';

```

```

--
-- TOC entry 886 (class 1255 OID 16702)
-- Name: addpoint(geometry, geometry, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION addpoint(geometry, geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_addpoint';

--
-- TOC entry 652 (class 1255 OID 16414)
-- Name: affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT affine($1, $2, $3, 0, $4, $5, 0, 0, 0, 1, $6, $7, 0)$$_$;

--
-- TOC entry 650 (class 1255 OID 16412)
-- Name: affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision, double precision,
double precision, double precision, double precision, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision, double precision,
double precision, double precision, double precision, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_affine';

--
-- TOC entry 805 (class 1255 OID 16621)
-- Name: area(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION area(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_area_polygon';

--
-- TOC entry 803 (class 1255 OID 16619)
-- Name: area2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION area2d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_area_polygon';

--
-- TOC entry 1171 (class 1255 OID 17042)
-- Name: asbinary(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION asbinary(geometry) RETURNS bytea
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_asBinary';

```

```

--
-- TOC entry 1173 (class 1255 OID 17044)
-- Name: asbinary(geometry, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION asbinary(geometry, text) RETURNS bytea
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_asBinary';

--
-- TOC entry 852 (class 1255 OID 16668)
-- Name: asewkb(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION asewkb(geometry) RETURNS bytea
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'WKBFromLWGEOM';

--
-- TOC entry 858 (class 1255 OID 16674)
-- Name: asewkb(geometry, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION asewkb(geometry, text) RETURNS bytea
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'WKBFromLWGEOM';

--
-- TOC entry 850 (class 1255 OID 16666)
-- Name: asewkt(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION asewkt(geometry) RETURNS text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_asEWKT';

--
-- TOC entry 1108 (class 1255 OID 16979)
-- Name: asgml(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION asgml(geometry) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGML(2, $1, 15, 0)$_$$;

--
-- TOC entry 1106 (class 1255 OID 16977)
-- Name: asgml(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION asgml(geometry, integer) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGML(2, $1, $2, 0)$_$$;

--
-- TOC entry 854 (class 1255 OID 16670)
-- Name: ashexewkb(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION ashexewkb(geometry) RETURNS text
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_asHEXEWKB';

```



```

--
-- TOC entry 856 (class 1255 OID 16672)
-- Name: ashexewkb(geometry, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION ashexewkb(geometry, text) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_asHEXEWKB';

--
-- TOC entry 1117 (class 1255 OID 16988)
-- Name: askml(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION askml(geometry) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$SELECT _ST_AskML(2, transform($1,4326), 15)$$;

--
-- TOC entry 1115 (class 1255 OID 16986)
-- Name: askml(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION askml(geometry, integer) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$SELECT _ST_AskML(2, transform($1,4326), $2)$$;

--
-- TOC entry 1118 (class 1255 OID 16989)
-- Name: askml(integer, geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION askml(integer, geometry, integer) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$SELECT _ST_AskML($1, transform($2,4326), $3)$$;

--
-- TOC entry 1103 (class 1255 OID 16974)
-- Name: assvg(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION assvg(geometry) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'assvg_geometry';

--
-- TOC entry 1101 (class 1255 OID 16972)
-- Name: assvg(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION assvg(geometry, integer) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'assvg_geometry';

--
-- TOC entry 1099 (class 1255 OID 16970)
-- Name: assvg(geometry, integer, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION assvg(geometry, integer, integer) RETURNS text

```

```

LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'assvg_geometry';

--
-- TOC entry 1175 (class 1255 OID 17046)
-- Name: astext(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION astext(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_asText';

--
-- TOC entry 815 (class 1255 OID 16631)
-- Name: azimuth(geometry, geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION azimuth(geometry, geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_azimuth';

--
-- TOC entry 1294 (class 1255 OID 17163)
-- Name: bdmpolyfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION bdmpolyfromtext(text, integer) RETURNS geometry
LANGUAGE plpgsql IMMUTABLE STRICT
AS $_$
DECLARE
    geomtext alias for $1;
    srid alias for $2;
    mline geometry;
    geom geometry;
BEGIN
    mline := MultiLineStringFromText(geomtext, srid);

    IF mline IS NULL
    THEN
        RAISE EXCEPTION 'Input is not a MultiLinestring';
    END IF;

    geom := multi(BuildArea(mline));

    RETURN geom;
END;
$_$;

--
-- TOC entry 1292 (class 1255 OID 17161)
-- Name: bdpolyfromtext(text, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION bdpolyfromtext(text, integer) RETURNS geometry
LANGUAGE plpgsql IMMUTABLE STRICT
AS $_$
DECLARE
    geomtext alias for $1;
    srid alias for $2;
    mline geometry;
    geom geometry;
BEGIN
    mline := MultiLineStringFromText(geomtext, srid);

    IF mline IS NULL

```

```

        THEN
            RAISE EXCEPTION 'Input is not a MultiLinestring';
        END IF;

        geom := BuildArea(mline);

        IF GeometryType(geom) != 'POLYGON'
        THEN
            RAISE EXCEPTION 'Input returns more then a single polygon, try
using BdMPolyFromText instead';
        END IF;

        RETURN geom;
    END;
    $_$;

--
-- TOC entry 1029 (class 1255 OID 16885)
-- Name: boundary(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION boundary(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'boundary';

--
-- TOC entry 978 (class 1255 OID 16818)
-- Name: box(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box(box3d) RETURNS box
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_BOX';

--
-- TOC entry 946 (class 1255 OID 16815)
-- Name: box(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box(geometry) RETURNS box
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX';

--
-- TOC entry 976 (class 1255 OID 16816)
-- Name: box2d(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box2d(box3d) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_BOX2DFLOAT4';

--
-- TOC entry 682 (class 1255 OID 16448)
-- Name: box2d(box3d_extent); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box2d(box3d_extent) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_BOX2DFLOAT4';

--
-- TOC entry 932 (class 1255 OID 16813)

```

```

-- Name: box2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box2d(geometry) RETURNS box2d
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX2DFLOAT4';

--
-- TOC entry 5499 (class 0 OID 0)
-- Dependencies: 932
-- Name: FUNCTION box2d(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION box2d(geometry) IS 'args: geomA - Returns a BOX2D
representing the maximum extents of the geometry.';

--
-- TOC entry 977 (class 1255 OID 16817)
-- Name: box3d(box2d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box3d(box2d) RETURNS box3d
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_to_BOX3D';

--
-- TOC entry 933 (class 1255 OID 16814)
-- Name: box3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box3d(geometry) RETURNS box3d
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX3D';

--
-- TOC entry 5500 (class 0 OID 0)
-- Dependencies: 933
-- Name: FUNCTION box3d(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION box3d(geometry) IS 'args: geomA - Returns a BOX3D
representing the maximum extents of the geometry.';

--
-- TOC entry 681 (class 1255 OID 16446)
-- Name: box3d_extent(box3d_extent); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box3d_extent(box3d_extent) RETURNS box3d
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX3D_extent_to_BOX3D';

--
-- TOC entry 980 (class 1255 OID 16820)
-- Name: box3dtobox(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION box3dtobox(box3d) RETURNS box
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT box($1)$$_;

--
-- TOC entry 1012 (class 1255 OID 16868)

```

```

-- Name: buffer(geometry, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION buffer(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'buffer';

--
-- TOC entry 1017 (class 1255 OID 16873)
-- Name: buffer(geometry, double precision, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION buffer(geometry, double precision, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS '$_SELECT ST_Buffer($1, $2, $3)$_';

--
-- TOC entry 897 (class 1255 OID 16713)
-- Name: buildarea(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION buildarea(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_buildarea';

--
-- TOC entry 986 (class 1255 OID 16826)
-- Name: bytea(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION bytea(geometry) RETURNS bytea
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_bytea';

--
-- TOC entry 1085 (class 1255 OID 16956)
-- Name: centroid(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION centroid(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'centroid';

--
-- TOC entry 1306 (class 1255 OID 17172)
-- Name: checkauth(text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION checkauth(text, text) RETURNS integer
LANGUAGE sql
AS '$_ SELECT CheckAuth('', $1, $2) $_';

--
-- TOC entry 5501 (class 0 OID 0)
-- Dependencies: 1306
-- Name: FUNCTION checkauth(text, text); Type: COMMENT; Schema: public; Owner:
-
--

```

```
COMMENT ON FUNCTION checkauth(text, text) IS 'args: a_table_name,
a_key_column_name - Creates trigger on a table to prevent/allow updates and deletes
of rows based on authorization token.';
```

```
--
-- TOC entry 1305 (class 1255 OID 17171)
-- Name: checkauth(text, text, text); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION checkauth(text, text, text) RETURNS integer
LANGUAGE plpgsql
AS $_$
DECLARE
    schema text;
BEGIN
    IF NOT LongTransactionsEnabled() THEN
        RAISE EXCEPTION 'Long transaction support disabled, use
EnableLongTransaction() to enable.';
    END IF;

    if ( $1 != '' ) THEN
        schema = $1;
    ELSE
        SELECT current_schema() into schema;
    END IF;

    -- TODO: check for an already existing trigger ?

    EXECUTE 'CREATE TRIGGER check_auth BEFORE UPDATE OR DELETE ON '
        || quote_ident(schema) || '.' || quote_ident($2)
        || ' FOR EACH ROW EXECUTE PROCEDURE CheckAuthTrigger('
        || quote_literal($3) || ')';

    RETURN 0;
END;
$_$;
```

```
--
-- TOC entry 5502 (class 0 OID 0)
-- Dependencies: 1305
-- Name: FUNCTION checkauth(text, text, text); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION checkauth(text, text, text) IS 'args: a_schema_name,
a_table_name, a_key_column_name - Creates trigger on a table to prevent/allow updates
and deletes of rows based on authorization token.';
```

```
--
-- TOC entry 1307 (class 1255 OID 17173)
-- Name: checkauthtrigger(); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION checkauthtrigger() RETURNS trigger
LANGUAGE c
AS '$libdir/postgis-1.5', 'check_authorization';
```

```
--
-- TOC entry 1037 (class 1255 OID 16893)
-- Name: collect(geometry, geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION collect(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE
AS '$libdir/postgis-1.5', 'LWGEOM_collect';
```

```

--
-- TOC entry 910 (class 1255 OID 16729)
-- Name: combine_bbox(box2d, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION combine_bbox(box2d, geometry) RETURNS box2d
    LANGUAGE c IMMUTABLE
    AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_combine';

--
-- TOC entry 914 (class 1255 OID 16735)
-- Name: combine_bbox(box3d, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION combine_bbox(box3d, geometry) RETURNS box3d
    LANGUAGE c IMMUTABLE
    AS '$libdir/postgis-1.5', 'BOX3D_combine';

--
-- TOC entry 912 (class 1255 OID 16731)
-- Name: combine_bbox(box3d_extent, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION combine_bbox(box3d_extent, geometry) RETURNS box3d_extent
    LANGUAGE c IMMUTABLE
    AS '$libdir/postgis-1.5', 'BOX3D_combine';

--
-- TOC entry 772 (class 1255 OID 16588)
-- Name: compression(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION compression(chip) RETURNS integer
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'CHIP_getCompression';

--
-- TOC entry 1071 (class 1255 OID 16942)
-- Name: contains(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION contains(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'contains';

--
-- TOC entry 1018 (class 1255 OID 16874)
-- Name: convexhull(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION convexhull(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT COST 100
    AS '$libdir/postgis-1.5', 'convexhull';

--
-- TOC entry 1065 (class 1255 OID 16936)
-- Name: crosses(geometry, geometry); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION crosses(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'crosses';

--
-- TOC entry 770 (class 1255 OID 16586)
-- Name: datatype(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION datatype(chip) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_getDatatype';

--
-- TOC entry 1027 (class 1255 OID 16883)
-- Name: difference(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION difference(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'difference';

--
-- TOC entry 1137 (class 1255 OID 17008)
-- Name: dimension(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dimension(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_dimension';

--
-- TOC entry 1311 (class 1255 OID 17177)
-- Name: disablelongtransactions(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION disablelongtransactions() RETURNS text
LANGUAGE plpgsql
AS $$
DECLARE
    rec RECORD;

BEGIN

    --
    -- Drop all triggers applied by CheckAuth()
    --
    FOR rec IN
        SELECT c.relname, t.tgname, t.tgargs FROM pg_trigger t, pg_class
c, pg_proc p
        WHERE p.proname = 'checkauthtrigger' and t.tgfoid = p.oid and
t.tgrelid = c.oid
    LOOP
        EXECUTE 'DROP TRIGGER ' || quote_ident(rec.tgname) ||
' ON ' || quote_ident(rec.relname);
    END LOOP;

    --
    -- Drop the authorization_table table
    --
    FOR rec IN SELECT * FROM pg_class WHERE relname = 'authorization_table'
LOOP
        DROP TABLE authorization_table;
    END LOOP;

--

```



```

        -- Drop the authorized_tables view
        --
        FOR rec IN SELECT * FROM pg_class WHERE relname = 'authorized_tables'
LOOP
            DROP VIEW authorized_tables;
        END LOOP;

        RETURN 'Long transactions support disabled';
    END;
    $$;

--
-- TOC entry 5503 (class 0 OID 0)
-- Dependencies: 1311
-- Name: FUNCTION disablelongtransactions(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION disablelongtransactions() IS 'Disable long transaction
support. This function removes the long transaction support metadata tables, and
drops all triggers attached to lock-checked tables.';

--
-- TOC entry 1055 (class 1255 OID 16926)
-- Name: disjoint(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION disjoint(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'disjoint';

--
-- TOC entry 811 (class 1255 OID 16627)
-- Name: distance(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION distance(geometry, geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_mindistance2d';

--
-- TOC entry 809 (class 1255 OID 16625)
-- Name: distance_sphere(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION distance_sphere(geometry, geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_distance_sphere';

--
-- TOC entry 807 (class 1255 OID 16623)
-- Name: distance_spheroid(geometry, geometry, spheroid); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION distance_spheroid(geometry, geometry, spheroid) RETURNS double
precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_distance_ellipsoid';

```

```

--
-- TOC entry 755 (class 1255 OID 16571)
-- Name: dropbbox(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dropbbox(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_dropBBOX';

--
-- TOC entry 939 (class 1255 OID 16774)
-- Name: dropgeometrycolumn(character varying, character varying); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dropgeometrycolumn(character varying, character varying)
RETURNS text
  LANGUAGE plpgsql STRICT
  AS $_$
DECLARE
  ret text;
BEGIN
  SELECT DropGeometryColumn('', '$1', '$2') into ret;
  RETURN ret;
END;
$_$;

--
-- TOC entry 5504 (class 0 OID 0)
-- Dependencies: 939
-- Name: FUNCTION dropgeometrycolumn(character varying, character varying);
Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION dropgeometrycolumn(character varying, character varying)
IS 'args: table_name, column_name - Removes a geometry column from a spatial table.';

--
-- TOC entry 938 (class 1255 OID 16773)
-- Name: dropgeometrycolumn(character varying, character varying, character
varying); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dropgeometrycolumn(character varying, character varying,
character varying) RETURNS text
  LANGUAGE plpgsql STRICT
  AS $_$
DECLARE
  ret text;
BEGIN
  SELECT DropGeometryColumn('', '$1', '$2', '$3') into ret;
  RETURN ret;
END;
$_$;

--
-- TOC entry 5505 (class 0 OID 0)
-- Dependencies: 938
-- Name: FUNCTION dropgeometrycolumn(character varying, character varying,
character varying); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION dropgeometrycolumn(character varying, character varying,
character varying) IS 'args: schema_name, table_name, column_name - Removes a
geometry column from a spatial table.';

```

```

--
-- TOC entry 937 (class 1255 OID 16772)
-- Name: dropgeometrycolumn(character varying, character varying, character
varying, character varying); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dropgeometrycolumn(character varying, character varying,
character varying, character varying) RETURNS text
LANGUAGE plpgsql STRICT
AS $_$
DECLARE
    catalog_name alias for $1;
    schema_name alias for $2;
    table_name alias for $3;
    column_name alias for $4;
    myrec RECORD;
    okay boolean;
    real_schema name;

BEGIN

    -- Find, check or fix schema_name
    IF ( schema_name != '' ) THEN
        okay = 'f';

        FOR myrec IN SELECT nspname FROM pg_namespace WHERE text(nspname)
= schema_name LOOP
            okay := 't';
        END LOOP;

        IF ( okay <> 't' ) THEN
            RAISE NOTICE 'Invalid schema name - using
current_schema()';
            SELECT current_schema() into real_schema;
        ELSE
            real_schema = schema_name;
        END IF;
    ELSE
        SELECT current_schema() into real_schema;
    END IF;

    -- Find out if the column is in the geometry_columns table
    okay = 'f';
    FOR myrec IN SELECT * from geometry_columns where f_table_schema =
text(real_schema) and f_table_name = table_name and f_geometry_column = column_name
LOOP
        okay := 't';
    END LOOP;
    IF (okay <> 't') THEN
        RAISE EXCEPTION 'column not found in geometry_columns table';
        RETURN 'f';
    END IF;

    -- Remove ref from geometry_columns table
    EXECUTE 'delete from geometry_columns where f_table_schema = ' ||
quote_literal(real_schema) || ' and f_table_name = ' ||
quote_literal(table_name) || ' and f_geometry_column = ' ||
quote_literal(column_name);

    -- Remove table column
    EXECUTE 'ALTER TABLE ' || quote_ident(real_schema) || '.' ||
quote_ident(table_name) || ' DROP COLUMN ' ||
quote_ident(column_name);

    RETURN real_schema || '.' || table_name || '.' || column_name ||
effectively removed.';

END;

```

```

    $_$;

--
-- TOC entry 5506 (class 0 OID 0)
-- Dependencies: 937
-- Name: FUNCTION dropgeometrycolumn(character varying, character varying,
character varying, character varying); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION dropgeometrycolumn(character varying, character varying,
character varying, character varying) IS 'args: catalog_name, schema_name,
table_name, column_name - Removes a geometry column from a spatial table.';

--
-- TOC entry 942 (class 1255 OID 16777)
-- Name: dropgeometrytable(character varying); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION dropgeometrytable(character varying) RETURNS text
LANGUAGE sql STRICT
AS $_$ SELECT DropGeometryTable('',$1) $_$;

--
-- TOC entry 5507 (class 0 OID 0)
-- Dependencies: 942
-- Name: FUNCTION dropgeometrytable(character varying); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION dropgeometrytable(character varying) IS 'args: table_name
- Drops a table and all its references in geometry_columns.';

--
-- TOC entry 941 (class 1255 OID 16776)
-- Name: dropgeometrytable(character varying, character varying); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dropgeometrytable(character varying, character varying)
RETURNS text
LANGUAGE sql STRICT
AS $_$ SELECT DropGeometryTable('',$1,$2) $_$;

--
-- TOC entry 5508 (class 0 OID 0)
-- Dependencies: 941
-- Name: FUNCTION dropgeometrytable(character varying, character varying);
Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION dropgeometrytable(character varying, character varying) IS
'args: schema_name, table_name - Drops a table and all its references in
geometry_columns.';

--
-- TOC entry 940 (class 1255 OID 16775)
-- Name: dropgeometrytable(character varying, character varying, character
varying); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dropgeometrytable(character varying, character varying,
character varying) RETURNS text
LANGUAGE plpgsql STRICT
AS $_$

```

```

DECLARE
    catalog_name alias for $1;
    schema_name alias for $2;
    table_name alias for $3;
    real_schema name;

BEGIN

    IF ( schema_name = '' ) THEN
        SELECT current_schema() into real_schema;
    ELSE
        real_schema = schema_name;
    END IF;

    -- Remove refs from geometry_columns table
    EXECUTE 'DELETE FROM geometry_columns WHERE ' ||
        'f_table_schema = ' || quote_literal(real_schema) ||
        ' AND ' ||
        ' f_table_name = ' || quote_literal(table_name);

    -- Remove table
    EXECUTE 'DROP TABLE IF EXISTS '
        || quote_ident(real_schema) || '.' ||
        quote_ident(table_name);

    RETURN
        real_schema || '.' ||
        table_name || ' dropped.';

END;
$_$;

--
-- TOC entry 5509 (class 0 OID 0)
-- Dependencies: 940
-- Name: FUNCTION dropgeometrytable(character varying, character varying,
character varying); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION dropgeometrytable(character varying, character varying,
character varying) IS 'args: catalog_name, schema_name, table_name - Drops a table
and all its references in geometry_columns.';

--
-- TOC entry 904 (class 1255 OID 16723)
-- Name: dump(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dump(geometry) RETURNS SETOF geometry_dump
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_dump';

--
-- TOC entry 906 (class 1255 OID 16725)
-- Name: dumprings(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION dumprings(geometry) RETURNS SETOF geometry_dump
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_dump_rings';

--
-- TOC entry 1309 (class 1255 OID 17175)
-- Name: enablelongtransactions(); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION enablelongtransactions() RETURNS text
  LANGUAGE plpgsql
  AS $$
DECLARE
  "query" text;
  exists bool;
  rec RECORD;

BEGIN

  exists = 'f';
  FOR rec IN SELECT * FROM pg_class WHERE relname = 'authorization_table'
  LOOP
    exists = 't';
  END LOOP;

  IF NOT exists
  THEN
    "query" = 'CREATE TABLE authorization_table (
      toid oid, -- table oid
      rid text, -- row id
      expires timestamp,
      authid text
    )';
    EXECUTE "query";
  END IF;

  exists = 'f';
  FOR rec IN SELECT * FROM pg_class WHERE relname = 'authorized_tables'
  LOOP
    exists = 't';
  END LOOP;

  IF NOT exists THEN
    "query" = 'CREATE VIEW authorized_tables AS ' ||
      'SELECT ' ||
      'n.nspname as schema, ' ||
      'c.relname as table, trim(' ||
      quote_literal(chr(92) || '000') ||
      ' from t.tgargs) as id_column ' ||
      'FROM pg_trigger t, pg_class c, pg_proc p ' ||
      ', pg_namespace n ' ||
      'WHERE p.proname = ' || quote_literal('checkauthtrigger')
    ||
      ' AND c.relnamespace = n.oid' ||
      ' AND t.tgfoid = p.oid and t.tgrelid = c.oid';
    EXECUTE "query";
  END IF;

  RETURN 'Long transactions support enabled';
END;
$$;

--
-- TOC entry 5510 (class 0 OID 0)
-- Dependencies: 1309
-- Name: FUNCTION enablelongtransactions(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION enablelongtransactions() IS 'Enable long transaction
support. This function creates the required metadata tables, needs to be called once
before using the other functions in this section. Calling it twice is harmless.';

--
-- TOC entry 1161 (class 1255 OID 17032)
-- Name: endpoint(geometry); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION endpoint(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_endpoint_linestring';

--
-- TOC entry 838 (class 1255 OID 16654)
-- Name: envelope(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION envelope(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_envelope';

--
-- TOC entry 1093 (class 1255 OID 16964)
-- Name: equals(geometry, geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION equals(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geomequals';

--
-- TOC entry 918 (class 1255 OID 16741)
-- Name: estimated_extent(text, text); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION estimated_extent(text, text) RETURNS box2d
  LANGUAGE c IMMUTABLE STRICT SECURITY DEFINER
  AS '$libdir/postgis-1.5', 'LWGEOM_estimated_extent';

--
-- TOC entry 916 (class 1255 OID 16739)
-- Name: estimated_extent(text, text, text); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION estimated_extent(text, text, text) RETURNS box2d
  LANGUAGE c IMMUTABLE STRICT SECURITY DEFINER
  AS '$libdir/postgis-1.5', 'LWGEOM_estimated_extent';

--
-- TOC entry 834 (class 1255 OID 16650)
-- Name: expand(box2d, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION expand(box2d, double precision) RETURNS box2d
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_expand';

--
-- TOC entry 832 (class 1255 OID 16648)
-- Name: expand(box3d, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION expand(box3d, double precision) RETURNS box3d
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX3D_expand';

```

```

--
-- TOC entry 836 (class 1255 OID 16652)
-- Name: expand(geometry, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION expand(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_expand';

--
-- TOC entry 1139 (class 1255 OID 17010)
-- Name: exteriorring(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION exteriorring(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_exteriorring_polygon';

--
-- TOC entry 766 (class 1255 OID 16582)
-- Name: factor(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION factor(chip) RETURNS real
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_getFactor';

--
-- TOC entry 922 (class 1255 OID 16745)
-- Name: find_extent(text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION find_extent(text, text) RETURNS box2d
LANGUAGE plpgsql IMMUTABLE STRICT
AS $_$
DECLARE
    tablename alias for $1;
    columnname alias for $2;
    myrec RECORD;

BEGIN
    FOR myrec IN EXECUTE 'SELECT extent("'" || columnname || "') FROM '" ||
tablename || "'" LOOP
        return myrec.extent;
    END LOOP;
END;
$_$;

--
-- TOC entry 920 (class 1255 OID 16743)
-- Name: find_extent(text, text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION find_extent(text, text, text) RETURNS box2d
LANGUAGE plpgsql IMMUTABLE STRICT
AS $_$
DECLARE
    schemaname alias for $1;
    tablename alias for $2;
    columnname alias for $3;
    myrec RECORD;

BEGIN

```



```

        FOR myrec IN EXECUTE 'SELECT extent('' || columnname || '') FROM '' ||
schemaname || '.' || tablename || '' LOOP
            return myrec.extent;
        END LOOP;
    END;
    $$;

--
-- TOC entry 947 (class 1255 OID 16781)
-- Name: find_srid(character varying, character varying, character varying);
Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION find_srid(character varying, character varying, character
varying) RETURNS integer
    LANGUAGE plpgsql IMMUTABLE STRICT
    AS $$
DECLARE
    schem text;
    tabl text;
    sr int4;
BEGIN
    IF $1 IS NULL THEN
        RAISE EXCEPTION 'find_srid() - schema is NULL!';
    END IF;
    IF $2 IS NULL THEN
        RAISE EXCEPTION 'find_srid() - table name is NULL!';
    END IF;
    IF $3 IS NULL THEN
        RAISE EXCEPTION 'find_srid() - column name is NULL!';
    END IF;
    schem = $1;
    tabl = $2;
    -- if the table contains a . and the schema is empty
    -- split the table into a schema and a table
    -- otherwise drop through to default behavior
    IF ( schem = '' and tabl LIKE '%.%' ) THEN
        schem = substr(tabl,1,strpos(tabl, '.')-1);
        tabl = substr(tabl,length(schem)+2);
    ELSE
        schem = schem || '%';
    END IF;

    select SRID into sr from geometry_columns where f_table_schema like
schem and f_table_name = tabl and f_geometry_column = $3;
    IF NOT FOUND THEN
        RAISE EXCEPTION 'find_srid() - couldnt find the corresponding SRID -
is the geometry registered in the GEOMETRY_COLUMNS table? Is there an
uppercase/lowercase mismatch?';
    END IF;
    return sr;
END;
$$;

--
-- TOC entry 5511 (class 0 OID 0)
-- Dependencies: 947
-- Name: FUNCTION find_srid(character varying, character varying, character
varying); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION find_srid(character varying, character varying, character
varying) IS 'args: a_schema_name, a_table_name, a_geomfield_name - The syntax is
find_srid(<db/schema>, <table>, <column>) and the function returns the integer SRID
of the specified column by searching through the GEOMETRY_COLUMNS table.';

```

```

--
-- TOC entry 925 (class 1255 OID 16764)
-- Name: fix_geometry_columns(); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION fix_geometry_columns() RETURNS text
LANGUAGE plpgsql
AS $$

```

```

DECLARE
    mislinked record;
    result text;
    linked integer;
    deleted integer;
    foundschema integer;

```

```

BEGIN

```

```

    -- Since 7.3 schema support has been added.
    -- Previous postgis versions used to put the database name in
    -- the schema column. This needs to be fixed, so we try to
    -- set the correct schema for each geometry_columns record
    -- looking at table, column, type and srid.

```

```

    UPDATE geometry_columns SET f_table_schema = n.nspname
    FROM pg_namespace n, pg_class c, pg_attribute a,
         pg_constraint sridcheck, pg_constraint typecheck
    WHERE ( f_table_schema is NULL
    OR f_table_schema = ''
    OR f_table_schema NOT IN (
        SELECT nsptime::varchar
        FROM pg_namespace nn, pg_class cc,

```

pg_attribute aa

```

        WHERE cc.relnamespace = nn.oid
        AND cc.relname = f_table_name::name
        AND aa.attrelid = cc.oid
        AND aa.attname = f_geometry_column::name))
    AND f_table_name::name = c.relname
    AND c.oid = a.attrelid
    AND c.relnamespace = n.oid
    AND f_geometry_column::name = a.attname

    AND sridcheck.conrelid = c.oid
    AND sridcheck.consrc LIKE '(srid(% = %))'
    AND sridcheck.consrc ~ textcat(' = ', srid::text)

    AND typecheck.conrelid = c.oid
    AND typecheck.consrc LIKE
    '((geometrytype(%)) = '%')::text) OR (% IS NULL))'
    AND typecheck.consrc ~ textcat(' = ''', type::text)

    AND NOT EXISTS (
        SELECT oid FROM geometry_columns gc
        WHERE c.relname::varchar = gc.f_table_name
        AND n.nspname::varchar = gc.f_table_schema
        AND a.attname::varchar = gc.f_geometry_column
    );

```

```

    GET DIAGNOSTICS foundschema = ROW_COUNT;

```

```

    -- no linkage to system table needed
    return 'fixed:'||foundschema::text;

```

```

END;
$$;

```

```

--
-- TOC entry 817 (class 1255 OID 16633)
-- Name: force_2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION force_2d(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT

```

```

        AS '$libdir/postgis-1.5', 'LWGEOM_force_2d';

--
-- TOC entry 821 (class 1255 OID 16637)
-- Name: force_3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION force_3d(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_force_3dz';

--
-- TOC entry 823 (class 1255 OID 16639)
-- Name: force_3dm(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION force_3dm(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_force_3dm';

--
-- TOC entry 819 (class 1255 OID 16635)
-- Name: force_3dz(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION force_3dz(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_force_3dz';

--
-- TOC entry 825 (class 1255 OID 16641)
-- Name: force_4d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION force_4d(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_force_4d';

--
-- TOC entry 827 (class 1255 OID 16643)
-- Name: force_collection(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION force_collection(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_force_collection';

--
-- TOC entry 842 (class 1255 OID 16658)
-- Name: forcerhr(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION forcerhr(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_forceRHR_poly';

--
-- TOC entry 1339 (class 1255 OID 17220)
-- Name: geography(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geography(geometry) RETURNS geography

```

```

LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_from_geometry';

--
-- TOC entry 1328 (class 1255 OID 17203)
-- Name: geography(geography, integer, boolean); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geography(geography, integer, boolean) RETURNS geography
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_enforce_typmod';

--
-- TOC entry 1356 (class 1255 OID 17250)
-- Name: geography_cmp(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_cmp(geography, geography) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_cmp';

--
-- TOC entry 1355 (class 1255 OID 17249)
-- Name: geography_eq(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_eq(geography, geography) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_eq';

--
-- TOC entry 1354 (class 1255 OID 17248)
-- Name: geography_ge(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_ge(geography, geography) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_ge';

--
-- TOC entry 1342 (class 1255 OID 17225)
-- Name: geography_gist_compress(internal); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_gist_compress(internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_compress';

--
-- TOC entry 1341 (class 1255 OID 17224)
-- Name: geography_gist_consistent(internal, geometry, integer); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geography_gist_consistent(internal, geometry, integer) RETURNS
boolean
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_consistent';

```

```

--
-- TOC entry 1347 (class 1255 OID 17230)
-- Name: geography_gist_decompress(internal); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_gist_decompress(internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_decompress';

--
-- TOC entry 1349 (class 1255 OID 17232)
-- Name: geography_gist_join_selectivity(internal, oid, internal, smallint);
Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geography_gist_join_selectivity(internal, oid, internal,
smallint) RETURNS double precision
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_join_selectivity';

--
-- TOC entry 1343 (class 1255 OID 17226)
-- Name: geography_gist_penalty(internal, internal, internal); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION geography_gist_penalty(internal, internal, internal) RETURNS
internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_penalty';

--
-- TOC entry 1344 (class 1255 OID 17227)
-- Name: geography_gist_picksplit(internal, internal); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geography_gist_picksplit(internal, internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_picksplit';

--
-- TOC entry 1346 (class 1255 OID 17229)
-- Name: geography_gist_same(box2d, box2d, internal); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geography_gist_same(box2d, box2d, internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_same';

--
-- TOC entry 1348 (class 1255 OID 17231)
-- Name: geography_gist_selectivity(internal, oid, internal, integer); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geography_gist_selectivity(internal, oid, internal, integer)
RETURNS double precision
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_selectivity';

```

```

--
-- TOC entry 1345 (class 1255 OID 17228)
-- Name: geography_gist_union(bytea, internal); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geography_gist_union(bytea, internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'geography_gist_union';

--
-- TOC entry 1353 (class 1255 OID 17247)
-- Name: geography_gt(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_gt(geography, geography) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_gt';

--
-- TOC entry 1352 (class 1255 OID 17246)
-- Name: geography_le(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_le(geography, geography) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_le';

--
-- TOC entry 1351 (class 1255 OID 17245)
-- Name: geography_lt(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_lt(geography, geography) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_lt';

--
-- TOC entry 1350 (class 1255 OID 17233)
-- Name: geography_overlaps(geography, geography); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geography_overlaps(geography, geography) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_overlaps';

--
-- TOC entry 1336 (class 1255 OID 17212)
-- Name: geography_typmod_dims(integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_typmod_dims(integer) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_typmod_dims';

--
-- TOC entry 1337 (class 1255 OID 17213)
-- Name: geography_typmod_srid(integer); Type: FUNCTION; Schema: public;
Owner: -
--

```

```

CREATE FUNCTION geography_typmod_srid(integer) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geography_typmod_srid';

--
-- TOC entry 1338 (class 1255 OID 17214)
-- Name: geography_typmod_type(integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geography_typmod_type(integer) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geography_typmod_type';

--
-- TOC entry 1229 (class 1255 OID 17099)
-- Name: geomcollfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geomcollfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $$
  SELECT CASE
    WHEN geometrytype(GeomFromText($1)) = 'GEOMETRYCOLLECTION'
    THEN GeomFromText($1)
    ELSE NULL END
  $$;

--
-- TOC entry 1227 (class 1255 OID 17097)
-- Name: geomcollfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geomcollfromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $$
  SELECT CASE
    WHEN geometrytype(GeomFromText($1, $2)) = 'GEOMETRYCOLLECTION'
    THEN GeomFromText($1, $2)
    ELSE NULL END
  $$;

--
-- TOC entry 1281 (class 1255 OID 17150)
-- Name: geomcollfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geomcollfromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $$
  SELECT CASE
    WHEN geometrytype(GeomFromWKB($1)) = 'GEOMETRYCOLLECTION'
    THEN GeomFromWKB($1)
    ELSE NULL END
  $$;

--
-- TOC entry 1279 (class 1255 OID 17148)
-- Name: geomcollfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

```

```

CREATE FUNCTION geomcollfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE
WHEN geometrytype(GeomFromWKB($1, $2)) = 'GEOMETRYCOLLECTION'
THEN GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 985 (class 1255 OID 16825)
-- Name: geometry(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry(bytea) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_from_bytea';

--
-- TOC entry 981 (class 1255 OID 16821)
-- Name: geometry(box2d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry(box2d) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_to_LWGEOM';

--
-- TOC entry 982 (class 1255 OID 16822)
-- Name: geometry(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry(box3d) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_LWGEOM';

--
-- TOC entry 683 (class 1255 OID 16449)
-- Name: geometry(box3d_extent); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry(box3d_extent) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_LWGEOM';

--
-- TOC entry 984 (class 1255 OID 16824)
-- Name: geometry(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry(chip) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_to_LWGEOM';

--
-- TOC entry 1340 (class 1255 OID 17222)
-- Name: geometry(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry(geography) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geometry_from_geography';

--

```



```

-- TOC entry 983 (class 1255 OID 16823)
-- Name: geometry(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry(text) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'parse_WKT_lwgeom';

--

-- TOC entry 740 (class 1255 OID 16523)
-- Name: geometry_above(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_above(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_above';

--

-- TOC entry 741 (class 1255 OID 16524)
-- Name: geometry_below(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_below(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_below';

--

-- TOC entry 714 (class 1255 OID 16484)
-- Name: geometry_cmp(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_cmp(geometry, geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'lwgeom_cmp';

--

-- TOC entry 742 (class 1255 OID 16525)
-- Name: geometry_contain(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_contain(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_contain';

--

-- TOC entry 743 (class 1255 OID 16526)
-- Name: geometry_contained(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geometry_contained(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_contained';

--

-- TOC entry 713 (class 1255 OID 16483)
-- Name: geometry_eq(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

```

```

CREATE FUNCTION geometry_eq(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'lwgeom_eq';

--
-- TOC entry 712 (class 1255 OID 16482)
-- Name: geometry_ge(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_ge(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'lwgeom_ge';

--
-- TOC entry 733 (class 1255 OID 16516)
-- Name: geometry_gist_joinsel(internal, oid, internal, smallint); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometry_gist_joinsel(internal, oid, internal, smallint)
RETURNS double precision
    LANGUAGE c
    AS '$libdir/postgis-1.5', 'LWGEOM_gist_joinsel';

--
-- TOC entry 732 (class 1255 OID 16515)
-- Name: geometry_gist_sel(internal, oid, internal, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION geometry_gist_sel(internal, oid, internal, integer) RETURNS
double precision
    LANGUAGE c
    AS '$libdir/postgis-1.5', 'LWGEOM_gist_sel';

--
-- TOC entry 711 (class 1255 OID 16481)
-- Name: geometry_gt(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_gt(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'lwgeom_gt';

--
-- TOC entry 710 (class 1255 OID 16480)
-- Name: geometry_le(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_le(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'lwgeom_le';

--
-- TOC entry 738 (class 1255 OID 16521)
-- Name: geometry_left(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_left(geometry, geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT

```

```

AS '$libdir/postgis-1.5', 'LWGEOM_left';

--
-- TOC entry 709 (class 1255 OID 16479)
-- Name: geometry_lt(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_lt(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'lwgeom_lt';

--
-- TOC entry 736 (class 1255 OID 16519)
-- Name: geometry_overabove(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geometry_overabove(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overabove';

--
-- TOC entry 737 (class 1255 OID 16520)
-- Name: geometry_overbelow(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geometry_overbelow(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overbelow';

--
-- TOC entry 744 (class 1255 OID 16527)
-- Name: geometry_overlap(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_overlap(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overlap';

--
-- TOC entry 734 (class 1255 OID 16517)
-- Name: geometry_overleft(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geometry_overleft(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overleft';

--
-- TOC entry 735 (class 1255 OID 16518)
-- Name: geometry_overright(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION geometry_overright(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overright';

```

```

--
-- TOC entry 739 (class 1255 OID 16522)
-- Name: geometry_right(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_right(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_right';

--
-- TOC entry 731 (class 1255 OID 16514)
-- Name: geometry_same(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_same(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_samebox';

--
-- TOC entry 745 (class 1255 OID 16528)
-- Name: geometry_samebox(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometry_samebox(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_samebox';

--
-- TOC entry 1177 (class 1255 OID 17048)
-- Name: geometryfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometryfromtext(text) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_from_text';

--
-- TOC entry 1179 (class 1255 OID 17050)
-- Name: geometryfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION geometryfromtext(text, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_from_text';

--
-- TOC entry 1135 (class 1255 OID 17006)
-- Name: geometryn(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometryn(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_geometryn_collection';

--
-- TOC entry 1147 (class 1255 OID 17018)
-- Name: geometrytype(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geometrytype(geometry) RETURNS text

```

```

LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_getTYPE';

--
-- TOC entry 5512 (class 0 OID 0)
-- Dependencies: 1147
-- Name: FUNCTION geometrytype(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION geometrytype(geometry) IS 'args: geomA - Returns the type
of the geometry as a string. Eg: LINESTRING, POLYGON, MULTIPOINT, etc.';

--
-- TOC entry 860 (class 1255 OID 16676)
-- Name: geomfromewkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geomfromewkb(bytea) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOMFromWKB';

--
-- TOC entry 862 (class 1255 OID 16678)
-- Name: geomfromewkt(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geomfromewkt(text) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'parse_WKT_lwgeom';

--
-- TOC entry 1181 (class 1255 OID 17052)
-- Name: geomfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geomfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS '$_SELECT geometryfromtext($1)$_';

--
-- TOC entry 1183 (class 1255 OID 17054)
-- Name: geomfromtext(text, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geomfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS '$_SELECT geometryfromtext($1, $2)$_';

--
-- TOC entry 1231 (class 1255 OID 17101)
-- Name: geomfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION geomfromwkb(bytea) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_from_WKB';

--
-- TOC entry 1233 (class 1255 OID 17103)
-- Name: geomfromwkb(bytea, integer); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION geomfromwkb(bytea, integer) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $$SELECT ST_SetSRID(GeomFromWKB($1), $2)$$;

--
-- TOC entry 1035 (class 1255 OID 16891)
-- Name: geomunion(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
--
--
CREATE FUNCTION geomunion(geometry, geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geomunion';

--
-- TOC entry 948 (class 1255 OID 16782)
-- Name: get_proj4_from_srid(integer); Type: FUNCTION; Schema: public; Owner:
--
--
CREATE FUNCTION get_proj4_from_srid(integer) RETURNS text
    LANGUAGE plpgsql IMMUTABLE STRICT
    AS $$
BEGIN
    RETURN proj4text::text FROM spatial_ref_sys WHERE srid= $1;
END;
$$;

--
-- TOC entry 758 (class 1255 OID 16574)
-- Name: getbbox(geometry); Type: FUNCTION; Schema: public; Owner:
--
--
CREATE FUNCTION getbbox(geometry) RETURNS box2d
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX2DFLOAT4';

--
-- TOC entry 757 (class 1255 OID 16573)
-- Name: getsrid(geometry); Type: FUNCTION; Schema: public; Owner:
--
--
CREATE FUNCTION getsrid(geometry) RETURNS integer
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_getSRID';

--
-- TOC entry 1308 (class 1255 OID 17174)
-- Name: gettransactionid(); Type: FUNCTION; Schema: public; Owner:
--
--
CREATE FUNCTION gettransactionid() RETURNS xid
    LANGUAGE c
    AS '$libdir/postgis-1.5', 'getTransactionID';

--
-- TOC entry 760 (class 1255 OID 16576)
-- Name: hasbbox(geometry); Type: FUNCTION; Schema: public; Owner:
--
--
CREATE FUNCTION hasbbox(geometry) RETURNS boolean
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_hasBBOX';

```

```

--
-- TOC entry 764 (class 1255 OID 16580)
-- Name: height(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION height(chip) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'CHIP_getHeight';

--
-- TOC entry 1145 (class 1255 OID 17016)
-- Name: interiorringn(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION interiorringn(geometry, integer) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_interiorringn_polygon';

--
-- TOC entry 1010 (class 1255 OID 16866)
-- Name: intersection(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION intersection(geometry, geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'intersection';

--
-- TOC entry 1062 (class 1255 OID 16933)
-- Name: intersects(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION intersects(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'intersects';

--
-- TOC entry 1163 (class 1255 OID 17034)
-- Name: isclosed(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION isclosed(geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_isclosed_linestring';

--
-- TOC entry 1165 (class 1255 OID 17036)
-- Name: isempty(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION isempty(geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_iseempty';

--
-- TOC entry 1087 (class 1255 OID 16958)
-- Name: isring(geometry); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION isring(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'isring';

--
-- TOC entry 1091 (class 1255 OID 16962)
-- Name: issimple(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION issimple(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'issimple';

--
-- TOC entry 1083 (class 1255 OID 16954)
-- Name: isvalid(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION isvalid(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'isvalid';

--
-- TOC entry 789 (class 1255 OID 16605)
-- Name: length(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION length(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_length_linestring';

--
-- TOC entry 787 (class 1255 OID 16603)
-- Name: length2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION length2d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_length2d_linestring';

--
-- TOC entry 795 (class 1255 OID 16611)
-- Name: length2d_spheroid(geometry, spheroid); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION length2d_spheroid(geometry, spheroid) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_length2d_ellipsoid';

--
-- TOC entry 785 (class 1255 OID 16601)
-- Name: length3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION length3d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_length_linestring';

--
-- TOC entry 791 (class 1255 OID 16607)
-- Name: length3d_spheroid(geometry, spheroid); Type: FUNCTION; Schema:
public; Owner: -
--

```



```

CREATE FUNCTION length3d_spheroid(geometry, spheroid) RETURNS double precision
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_length_ellipsoid_linestring';

--
-- TOC entry 793 (class 1255 OID 16609)
-- Name: length_spheroid(geometry, spheroid); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION length_spheroid(geometry, spheroid) RETURNS double precision
    LANGUAGE c IMMUTABLE STRICT COST 100
    AS '$libdir/postgis-1.5', 'LWGEOM_length_ellipsoid_linestring';

--
-- TOC entry 999 (class 1255 OID 16855)
-- Name: line_interpolate_point(geometry, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION line_interpolate_point(geometry, double precision) RETURNS
geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_line_interpolate_point';

--
-- TOC entry 1003 (class 1255 OID 16859)
-- Name: line_locate_point(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION line_locate_point(geometry, geometry) RETURNS double precision
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_line_locate_point';

--
-- TOC entry 1001 (class 1255 OID 16857)
-- Name: line_substring(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION line_substring(geometry, double precision, double precision)
RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_line_substring';

--
-- TOC entry 880 (class 1255 OID 16696)
-- Name: linefrommultipoint(geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION linefrommultipoint(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_line_from_mpoint';

--
-- TOC entry 1189 (class 1255 OID 17060)
-- Name: linefromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION linefromtext(text) RETURNS geometry

```

```

LANGUAGE sql IMMUTABLE STRICT
AS $_$
    SELECT CASE WHEN geometrytype(GeomFromText($1)) = 'LINESTRING'
    THEN GeomFromText($1)
    ELSE NULL END
    $_$;

--
-- TOC entry 1192 (class 1255 OID 17062)
-- Name: linefromtext(text, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION linefromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
    SELECT CASE WHEN geometrytype(GeomFromText($1, $2)) = 'LINESTRING'
    THEN GeomFromText($1,$2)
    ELSE NULL END
    $_$;

--
-- TOC entry 1241 (class 1255 OID 17111)
-- Name: linefromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION linefromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
    SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'LINESTRING'
    THEN GeomFromWKB($1)
    ELSE NULL END
    $_$;

--
-- TOC entry 1239 (class 1255 OID 17109)
-- Name: linefromwkb(bytea, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION linefromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
    SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'LINESTRING'
    THEN GeomFromWKB($1, $2)
    ELSE NULL END
    $_$;

--
-- TOC entry 902 (class 1255 OID 16718)
-- Name: linemerge(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION linemerge(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'linemerge';

--
-- TOC entry 1194 (class 1255 OID 17064)
-- Name: linestringfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION linestringfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT LineFromText($1)$$_$;

--

```

```

-- TOC entry 1195 (class 1255 OID 17065)
-- Name: linestringfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION linestringfromtext(text, integer) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $$SELECT LineFromText($1, $2)$$;

--

-- TOC entry 1245 (class 1255 OID 17115)
-- Name: linestringfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION linestringfromwkb(bytea) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $$
    SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'LINESTRING'
    THEN GeomFromWKB($1)
    ELSE NULL END
    $$;

--

-- TOC entry 1243 (class 1255 OID 17113)
-- Name: linestringfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION linestringfromwkb(bytea, integer) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $$
    SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'LINESTRING'
    THEN GeomFromWKB($1, $2)
    ELSE NULL END
    $$;

--

-- TOC entry 1007 (class 1255 OID 16863)
-- Name: locate_along_measure(geometry, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION locate_along_measure(geometry, double precision) RETURNS
geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $$ SELECT locate_between_measures($1, $2, $2) $$;

--

-- TOC entry 1005 (class 1255 OID 16861)
-- Name: locate_between_measures(geometry, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION locate_between_measures(geometry, double precision, double
precision) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_locate_between_m';

--

-- TOC entry 1299 (class 1255 OID 17168)
-- Name: lockrow(text, text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION lockrow(text, text, text) RETURNS integer

```

```

        LANGUAGE sql STRICT
        AS $$ SELECT LockRow(current_schema(), $1, $2, $3,
now()::timestamp+'1:00'); $$;

--
-- TOC entry 5513 (class 0 OID 0)
-- Dependencies: 1299
-- Name: FUNCTION lockrow(text, text, text); Type: COMMENT; Schema: public;
Owner: -
--

        COMMENT ON FUNCTION lockrow(text, text, text) IS 'args: a_table_name,
a_row_key, an_auth_token - Set lock/authorization for specific row in table';

--
-- TOC entry 1298 (class 1255 OID 17167)
-- Name: lockrow(text, text, text, text); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION lockrow(text, text, text, text) RETURNS integer
        LANGUAGE sql STRICT
        AS $$ SELECT LockRow($1, $2, $3, $4, now()::timestamp+'1:00'); $$;

--
-- TOC entry 1300 (class 1255 OID 17169)
-- Name: lockrow(text, text, text, timestamp without time zone); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION lockrow(text, text, text, timestamp without time zone) RETURNS
integer
        LANGUAGE sql STRICT
        AS $$ SELECT LockRow(current_schema(), $1, $2, $3, $4); $$;

--
-- TOC entry 5514 (class 0 OID 0)
-- Dependencies: 1300
-- Name: FUNCTION lockrow(text, text, text, timestamp without time zone);
Type: COMMENT; Schema: public; Owner: -
--

        COMMENT ON FUNCTION lockrow(text, text, text, timestamp without time zone) IS
'args: a_table_name, a_row_key, an_auth_token, expire_dt - Set lock/authorization for
specific row in table';

--
-- TOC entry 1297 (class 1255 OID 17166)
-- Name: lockrow(text, text, text, text, timestamp without time zone); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION lockrow(text, text, text, text, timestamp without time zone)
RETURNS integer
        LANGUAGE plpgsql STRICT
        AS $$
DECLARE
        myschema alias for $1;
        mytable alias for $2;
        myrid   alias for $3;
        authid  alias for $4;
        expires alias for $5;
        ret int;
        mytoid oid;
        myrec RECORD;

```

```

BEGIN
    IF NOT LongTransactionsEnabled() THEN
        RAISE EXCEPTION 'Long transaction support disabled, use
EnableLongTransaction() to enable.';
    END IF;

    EXECUTE 'DELETE FROM authorization_table WHERE expires < now()';

    SELECT c.oid INTO mytoid FROM pg_class c, pg_namespace n
        WHERE c.relname = mytable
        AND c.relnamespace = n.oid
        AND n.nspname = myschema;

    -- RAISE NOTICE 'toid: %', mytoid;

    FOR myrec IN SELECT * FROM authorization_table WHERE
        toid = mytoid AND rid = myrid
    LOOP
        IF myrec.authid != authid THEN
            RETURN 0;
        ELSE
            RETURN 1;
        END IF;
    END LOOP;

    EXECUTE 'INSERT INTO authorization_table VALUES ('||
        quote_literal(mytoid::text)||','||quote_literal(myrid)||
        ','||quote_literal(expires::text)||
        ','||quote_literal(authid) ||')';

    GET DIAGNOSTICS ret = ROW_COUNT;

    RETURN ret;
END;
$_$;

--
-- TOC entry 5515 (class 0 OID 0)
-- Dependencies: 1297
-- Name: FUNCTION lockrow(text, text, text, text, timestamp without time
zone); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION lockrow(text, text, text, text, timestamp without time
zone) IS 'args: a_schema_name, a_table_name, a_row_key, an_auth_token, expire_dt -
Set lock/authorization for specific row in table';

--
-- TOC entry 1310 (class 1255 OID 17176)
-- Name: longtransactionsenabled(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION longtransactionsenabled() RETURNS boolean
    LANGUAGE plpgsql
    AS $$
DECLARE
    rec RECORD;
BEGIN
    FOR rec IN SELECT oid FROM pg_class WHERE relname = 'authorized_tables'
    LOOP
        return 't';
    END LOOP;
    return 'f';
END;
$$;

```

```

--
-- TOC entry 747 (class 1255 OID 16542)
-- Name: lwgeom_gist_compress(internal); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION lwgeom_gist_compress(internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_compress';

--
-- TOC entry 746 (class 1255 OID 16541)
-- Name: lwgeom_gist_consistent(internal, geometry, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION lwgeom_gist_consistent(internal, geometry, integer) RETURNS
boolean
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_consistent';

--
-- TOC entry 752 (class 1255 OID 16547)
-- Name: lwgeom_gist_decompress(internal); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION lwgeom_gist_decompress(internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_decompress';

--
-- TOC entry 748 (class 1255 OID 16543)
-- Name: lwgeom_gist_penalty(internal, internal, internal); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION lwgeom_gist_penalty(internal, internal, internal) RETURNS
internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_penalty';

--
-- TOC entry 749 (class 1255 OID 16544)
-- Name: lwgeom_gist_picksplit(internal, internal); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION lwgeom_gist_picksplit(internal, internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_picksplit';

--
-- TOC entry 751 (class 1255 OID 16546)
-- Name: lwgeom_gist_same(box2d, box2d, internal); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION lwgeom_gist_same(box2d, box2d, internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_same';

--
-- TOC entry 750 (class 1255 OID 16545)

```

```

-- Name: lwgeom_gist_union(bytea, internal); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION lwgeom_gist_union(bytea, internal) RETURNS internal
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_union';

--
-- TOC entry 1157 (class 1255 OID 17028)
-- Name: m(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION m(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_m_point';

--
-- TOC entry 873 (class 1255 OID 16689)
-- Name: makebox2d(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION makebox2d(geometry, geometry) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_construct';

--
-- TOC entry 875 (class 1255 OID 16691)
-- Name: makebox3d(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION makebox3d(geometry, geometry) RETURNS box3d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_construct';

--
-- TOC entry 882 (class 1255 OID 16698)
-- Name: makeline(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION makeline(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makeline';

--
-- TOC entry 877 (class 1255 OID 16693)
-- Name: makeline_garray(geometry[]); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION makeline_garray(geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makeline_garray';

--
-- TOC entry 865 (class 1255 OID 16681)
-- Name: makepoint(double precision, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION makepoint(double precision, double precision) RETURNS geometry

```

```

LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoint';

--
-- TOC entry 867 (class 1255 OID 16683)
-- Name: makepoint(double precision, double precision, double precision);
Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION makepoint(double precision, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoint';

--
-- TOC entry 869 (class 1255 OID 16685)
-- Name: makepoint(double precision, double precision, double precision,
double precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION makepoint(double precision, double precision, double
precision, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoint';

--
-- TOC entry 871 (class 1255 OID 16687)
-- Name: makepointm(double precision, double precision, double precision);
Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION makepointm(double precision, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoint3dm';

--
-- TOC entry 895 (class 1255 OID 16711)
-- Name: makepolygon(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION makepolygon(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoly';

--
-- TOC entry 893 (class 1255 OID 16709)
-- Name: makepolygon(geometry, geometry[]); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION makepolygon(geometry, geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoly';

--
-- TOC entry 1283 (class 1255 OID 17152)
-- Name: max_distance(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION max_distance(geometry, geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_maxdistance2d_linestring';

```



```

--
-- TOC entry 777 (class 1255 OID 16593)
-- Name: mem_size(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mem_size(geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_mem_size';

--
-- TOC entry 1206 (class 1255 OID 17076)
-- Name: mlinefromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mlinefromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromText($1)) = 'MULTILINESTRING'
  THEN GeomFromText($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 1204 (class 1255 OID 17074)
-- Name: mlinefromtext(text, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mlinefromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE
  WHEN geometrytype(GeomFromText($1, $2)) = 'MULTILINESTRING'
  THEN GeomFromText($1, $2)
  ELSE NULL END
  $_$;

--
-- TOC entry 1269 (class 1255 OID 17138)
-- Name: mlinefromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mlinefromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'MULTILINESTRING'
  THEN GeomFromWKB($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 1267 (class 1255 OID 17136)
-- Name: mlinefromwkb(bytea, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mlinefromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'MULTILINESTRING'
  THEN GeomFromWKB($1, $2)
  ELSE NULL END
  $_$;

```

```

--
-- TOC entry 1214 (class 1255 OID 17084)
-- Name: mpointfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mpointfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
    SELECT CASE WHEN geometrytype(GeomFromText($1)) = 'MULTIPOINT'
    THEN GeomFromText($1)
    ELSE NULL END
    $_$;

--
-- TOC entry 1212 (class 1255 OID 17082)
-- Name: mpointfromtext(text, integer); Type: FUNCTION; Schema: public; Owner:
--

CREATE FUNCTION mpointfromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
    SELECT CASE WHEN geometrytype(GeomFromText($1,$2)) = 'MULTIPOINT'
    THEN GeomFromText($1,$2)
    ELSE NULL END
    $_$;

--
-- TOC entry 1258 (class 1255 OID 17127)
-- Name: mpointfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mpointfromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
    SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'MULTIPOINT'
    THEN GeomFromWKB($1)
    ELSE NULL END
    $_$;

--
-- TOC entry 1256 (class 1255 OID 17125)
-- Name: mpointfromwkb(bytea, integer); Type: FUNCTION; Schema: public; Owner:
--

CREATE FUNCTION mpointfromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
    SELECT CASE WHEN geometrytype(GeomFromWKB($1,$2)) = 'MULTIPOINT'
    THEN GeomFromWKB($1, $2)
    ELSE NULL END
    $_$;

--
-- TOC entry 1221 (class 1255 OID 17091)
-- Name: mpolyfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mpolyfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
    SELECT CASE WHEN geometrytype(GeomFromText($1)) = 'MULTIPOLYGON'
    THEN GeomFromText($1)
    ELSE NULL END
    $_$;

```

```

--
-- TOC entry 1219 (class 1255 OID 17089)
-- Name: mpolyfromtext(text, integer); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION mpolyfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromText($1, $2)) = 'MULTIPOLYGON'
THEN GeomFromText($1,$2)
ELSE NULL END
$_$;

--
-- TOC entry 1273 (class 1255 OID 17142)
-- Name: mpolyfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION mpolyfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'MULTIPOLYGON'
THEN GeomFromWKB($1)
ELSE NULL END
$_$;

--
-- TOC entry 1271 (class 1255 OID 17140)
-- Name: mpolyfromwkb(bytea, integer); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION mpolyfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'MULTIPOLYGON'
THEN GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 830 (class 1255 OID 16646)
-- Name: multi(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION multi(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_force_multi';

--
-- TOC entry 1265 (class 1255 OID 17134)
-- Name: multilinefromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION multilinefromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'MULTILINESTRING'
THEN GeomFromWKB($1)
ELSE NULL END
$_$;

```

```

--
-- TOC entry 1264 (class 1255 OID 17133)
-- Name: multilinefromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION multilinefromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'MULTILINESTRING'
THEN GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 1208 (class 1255 OID 17078)
-- Name: multilinestringfromtext(text); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION multilinestringfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT ST_MLineFromText($1)$_$$;

--
-- TOC entry 1210 (class 1255 OID 17080)
-- Name: multilinestringfromtext(text, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION multilinestringfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT MLineFromText($1, $2)$_$$;

--
-- TOC entry 1217 (class 1255 OID 17087)
-- Name: multipointfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION multipointfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT MPointFromText($1)$_$$;

--
-- TOC entry 1216 (class 1255 OID 17086)
-- Name: multipointfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION multipointfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT MPointFromText($1, $2)$_$$;

--
-- TOC entry 1262 (class 1255 OID 17131)
-- Name: multipointfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION multipointfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'MULTIPOINT'
THEN GeomFromWKB($1)
ELSE NULL END
$_$;

```

```

--
-- TOC entry 1260 (class 1255 OID 17129)
-- Name: multipointfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION multipointfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1,$2)) = 'MULTIPOINT'
THEN GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 1277 (class 1255 OID 17146)
-- Name: multipolyfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION multipolyfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'MULTIPOLYGON'
THEN GeomFromWKB($1)
ELSE NULL END
$_$;

--
-- TOC entry 1275 (class 1255 OID 17144)
-- Name: multipolyfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION multipolyfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'MULTIPOLYGON'
THEN GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 1225 (class 1255 OID 17095)
-- Name: multipolygonfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION multipolygonfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT MPolyFromText($1)$$_$;

--
-- TOC entry 1223 (class 1255 OID 17093)
-- Name: multipolygonfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION multipolygonfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT MPolyFromText($1, $2)$$_$;

--
-- TOC entry 848 (class 1255 OID 16664)

```

```

-- Name: ndims(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION ndims(geometry) RETURNS smallint
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_ndims';

--
-- TOC entry 844 (class 1255 OID 16660)
-- Name: noop(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION noop(geometry) RETURNS geometry
  LANGUAGE c STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_noop';

--
-- TOC entry 781 (class 1255 OID 16597)
-- Name: npoints(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION npoints(geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_npoints';

--
-- TOC entry 783 (class 1255 OID 16599)
-- Name: nrings(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION nrings(geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_nrings';

--
-- TOC entry 1133 (class 1255 OID 17004)
-- Name: numgeometries(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION numgeometries(geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_numgeometries_collection';

--
-- TOC entry 1143 (class 1255 OID 17014)
-- Name: numinteriorring(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION numinteriorring(geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_numinteriorrings_polygon';

--
-- TOC entry 1141 (class 1255 OID 17012)
-- Name: numinteriorrings(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION numinteriorrings(geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_numinteriorrings_polygon';

--
-- TOC entry 1131 (class 1255 OID 17002)
-- Name: numpoints(geometry); Type: FUNCTION; Schema: public; Owner: -

```

```

--
CREATE FUNCTION numpoints(geometry) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_numpoints_linestring';

--
-- TOC entry 1080 (class 1255 OID 16951)
-- Name: overlaps(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--
CREATE FUNCTION "overlaps"(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'overlaps';

--
-- TOC entry 801 (class 1255 OID 16617)
-- Name: perimeter(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION perimeter(geometry) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_perimeter_poly';

--
-- TOC entry 799 (class 1255 OID 16615)
-- Name: perimeter2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION perimeter2d(geometry) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_perimeter2d_poly';

--
-- TOC entry 797 (class 1255 OID 16613)
-- Name: perimeter3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION perimeter3d(geometry) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_perimeter_poly';

--
-- TOC entry 1043 (class 1255 OID 16905)
-- Name: pgis_geometry_accum_finalfn(pgis_abs); Type: FUNCTION; Schema:
public; Owner: -
--
CREATE FUNCTION pgis_geometry_accum_finalfn(pgis_abs) RETURNS geometry[]
  LANGUAGE c
  AS '$libdir/postgis-1.5', 'pgis_geometry_accum_finalfn';

--
-- TOC entry 1042 (class 1255 OID 16904)
-- Name: pgis_geometry_accum_transfn(pgis_abs, geometry); Type: FUNCTION;
Schema: public; Owner: -
--
CREATE FUNCTION pgis_geometry_accum_transfn(pgis_abs, geometry) RETURNS
pgis_abs
  LANGUAGE c
  AS '$libdir/postgis-1.5', 'pgis_geometry_accum_transfn';

```

```

--
-- TOC entry 1045 (class 1255 OID 16907)
-- Name: pgis_geometry_collect_finalfn(pgis_abs); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION pgis_geometry_collect_finalfn(pgis_abs) RETURNS geometry
LANGUAGE c
AS '$libdir/postgis-1.5', 'pgis_geometry_collect_finalfn';

--
-- TOC entry 1047 (class 1255 OID 16909)
-- Name: pgis_geometry_makeline_finalfn(pgis_abs); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION pgis_geometry_makeline_finalfn(pgis_abs) RETURNS geometry
LANGUAGE c
AS '$libdir/postgis-1.5', 'pgis_geometry_makeline_finalfn';

--
-- TOC entry 1046 (class 1255 OID 16908)
-- Name: pgis_geometry_polygonize_finalfn(pgis_abs); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION pgis_geometry_polygonize_finalfn(pgis_abs) RETURNS geometry
LANGUAGE c
AS '$libdir/postgis-1.5', 'pgis_geometry_polygonize_finalfn';

--
-- TOC entry 1044 (class 1255 OID 16906)
-- Name: pgis_geometry_union_finalfn(pgis_abs); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION pgis_geometry_union_finalfn(pgis_abs) RETURNS geometry
LANGUAGE c
AS '$libdir/postgis-1.5', 'pgis_geometry_union_finalfn';

--
-- TOC entry 813 (class 1255 OID 16629)
-- Name: point_inside_circle(geometry, double precision, double precision,
double precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION point_inside_circle(geometry, double precision, double
precision, double precision) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_inside_circle_point';

--
-- TOC entry 1185 (class 1255 OID 17056)
-- Name: pointfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION pointfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromText($1)) = 'POINT'
THEN GeomFromText($1)
ELSE NULL END
$_$;

```



```

--
-- TOC entry 1187 (class 1255 OID 17058)
-- Name: pointfromtext(text, integer); Type: FUNCTION; Schema: public; Owner:
-
--
CREATE FUNCTION pointfromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromText($1, $2)) = 'POINT'
  THEN GeomFromText($1,$2)
  ELSE NULL END
  $_$;

--
-- TOC entry 1237 (class 1255 OID 17107)
-- Name: pointfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION pointfromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'POINT'
  THEN GeomFromWKB($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 1235 (class 1255 OID 17105)
-- Name: pointfromwkb(bytea, integer); Type: FUNCTION; Schema: public; Owner:
-
--
CREATE FUNCTION pointfromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'POINT'
  THEN GeomFromWKB($1, $2)
  ELSE NULL END
  $_$;

--
-- TOC entry 1149 (class 1255 OID 17020)
-- Name: pointn(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION pointn(geometry, integer) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_pointn_linestring';

--
-- TOC entry 1089 (class 1255 OID 16960)
-- Name: pointonsurface(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION pointonsurface(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'pointonsurface';

--
-- TOC entry 1196 (class 1255 OID 17066)
-- Name: polyfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION polyfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromText($1)) = 'POLYGON'
  THEN GeomFromText($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 1198 (class 1255 OID 17068)
-- Name: polyfromtext(text, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION polyfromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromText($1, $2)) = 'POLYGON'
  THEN GeomFromText($1,$2)
  ELSE NULL END
  $_$;

--
-- TOC entry 1249 (class 1255 OID 17119)
-- Name: polyfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION polyfromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'POLYGON'
  THEN GeomFromWKB($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 1247 (class 1255 OID 17117)
-- Name: polyfromwkb(bytea, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION polyfromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'POLYGON'
  THEN GeomFromWKB($1, $2)
  ELSE NULL END
  $_$;

--
-- TOC entry 1202 (class 1255 OID 17072)
-- Name: polygonfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION polygonfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT PolyFromText($1)$$_$;

--
-- TOC entry 1200 (class 1255 OID 17070)
-- Name: polygonfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION polygonfromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT PolyFromText($1, $2)$$_$;

```

```

--
-- TOC entry 1254 (class 1255 OID 17123)
-- Name: polygonfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION polygonfromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'POLYGON'
  THEN GeomFromWKB($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 1251 (class 1255 OID 17121)
-- Name: polygonfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION polygonfromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1,$2)) = 'POLYGON'
  THEN GeomFromWKB($1, $2)
  ELSE NULL END
  $_$;

--
-- TOC entry 899 (class 1255 OID 16715)
-- Name: polygonize_garray(geometry[]); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION polygonize_garray(geometry[]) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT COST 100
  AS '$libdir/postgis-1.5', 'polygonize_garray';

--
-- TOC entry 926 (class 1255 OID 16765)
-- Name: populate_geometry_columns(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION populate_geometry_columns() RETURNS text
  LANGUAGE plpgsql
  AS $$
DECLARE
  inserted    integer;
  oldcount    integer;
  probed      integer;
  stale       integer;
  gcs         RECORD;
  gc          RECORD;
  gsruid      integer;
  gndims      integer;
  gtype       text;
  query       text;
  gc_is_valid boolean;

BEGIN
  SELECT count(*) INTO oldcount FROM geometry_columns;
  inserted := 0;

  EXECUTE 'TRUNCATE geometry_columns';

```

```

-- Count the number of geometry columns in all tables and views
SELECT count(DISTINCT c.oid) INTO probed
FROM pg_class c,
     pg_attribute a,
     pg_type t,
     pg_namespace n
WHERE (c.relkind = 'r' OR c.relkind = 'v')
AND t.typname = 'geometry'
AND a.attisdropped = false
AND a.atttypid = t.oid
AND a.attrelid = c.oid
AND c.relnamespace = n.oid
AND n.nspname NOT ILIKE 'pg_temp%';

-- Iterate through all non-dropped geometry columns
RAISE DEBUG 'Processing Tables.....';

FOR gcs IN
SELECT DISTINCT ON (c.oid) c.oid, n.nspname, c.relname
     FROM pg_class c,
          pg_attribute a,
          pg_type t,
          pg_namespace n
     WHERE c.relkind = 'r'
     AND t.typname = 'geometry'
     AND a.attisdropped = false
     AND a.atttypid = t.oid
     AND a.attrelid = c.oid
     AND c.relnamespace = n.oid
     AND n.nspname NOT ILIKE 'pg_temp%'
LOOP

inserted := inserted + populate_geometry_columns(gcs.oid);
END LOOP;

-- Add views to geometry columns table
RAISE DEBUG 'Processing Views.....';
FOR gcs IN
SELECT DISTINCT ON (c.oid) c.oid, n.nspname, c.relname
     FROM pg_class c,
          pg_attribute a,
          pg_type t,
          pg_namespace n
     WHERE c.relkind = 'v'
     AND t.typname = 'geometry'
     AND a.attisdropped = false
     AND a.atttypid = t.oid
     AND a.attrelid = c.oid
     AND c.relnamespace = n.oid
LOOP

inserted := inserted + populate_geometry_columns(gcs.oid);
END LOOP;

IF oldcount > inserted THEN
stale = oldcount-inserted;
ELSE
stale = 0;
END IF;

RETURN 'probed:' ||probed|| ' inserted:' ||inserted|| '
conflicts:' ||probed-inserted|| ' deleted:' ||stale;
END

$$;

--
-- TOC entry 5516 (class 0 OID 0)
-- Dependencies: 926

```

```

-- Name: FUNCTION populate_geometry_columns(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION populate_geometry_columns() IS 'Ensures geometry columns
have appropriate spatial constraints and exist in the geometry_columns table.';

--
-- TOC entry 927 (class 1255 OID 16766)
-- Name: populate_geometry_columns(oid); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION populate_geometry_columns(tbl_oid oid) RETURNS integer
LANGUAGE plpgsql
AS $$
DECLARE
    gcs          RECORD;
    gc           RECORD;
    gsrid        integer;
    gndims       integer;
    gtype        text;
    query        text;
    gc_is_valid  boolean;
    inserted     integer;

BEGIN
    inserted := 0;

    -- Iterate through all geometry columns in this table
    FOR gc IN
    SELECT n.nspname, c.relname, a.attname
        FROM pg_class c,
             pg_attribute a,
             pg_type t,
             pg_namespace n
        WHERE c.relkind = 'r'
              AND t.typname = 'geometry'
              AND a.attisdropped = false
              AND a.atttypid = t.oid
              AND a.attrelid = c.oid
              AND c.relnamespace = n.oid
              AND n.nspname NOT ILIKE 'pg_temp%'
              AND c.oid = tbl_oid
    LOOP

        RAISE DEBUG 'Processing table %.%%', gc.nspname, gc.relname,
gc.attname;

        DELETE FROM geometry_columns
            WHERE f_table_schema = gc.nspname
              AND f_table_name = gc.relname
              AND f_geometry_column = gc.attname;

        gc_is_valid := true;

        -- Try to find srid check from system tables (pg_constraint)
        gsrid :=
('(', ''')
            (SELECT replace(replace(split_part(s.consrc, ' = ', 2), ')', ''),
                FROM pg_class c, pg_namespace n, pg_attribute a, pg_constraint s
                WHERE n.nspname = gc.nspname
                  AND c.relname = gc.relname
                  AND a.attname = gc.attname
                  AND a.attrelid = c.oid
                  AND s.connamespace = n.oid
                  AND s.conrelid = c.oid
                  AND a.attnum = ANY (s.conkey)

```

```

        AND s.consrc LIKE '%srid(% = %)';
    IF (gsrid IS NULL) THEN
        -- Try to find srid from the geometry itself
        EXECUTE 'SELECT srid(' || quote_ident(gcs.attname) || ')
                FROM ONLY ' || quote_ident(gcs.nspname) || '.' ||
quote_ident(gcs.relname) || '
                WHERE ' || quote_ident(gcs.attname) || ' IS NOT
NULL LIMIT 1'
            INTO gc;
        gsrid := gc.srid;

        -- Try to apply srid check to column
        IF (gsrid IS NOT NULL) THEN
            BEGIN
                EXECUTE 'ALTER TABLE ONLY ' ||
quote_ident(gcs.nspname) || '.' || quote_ident(gcs.relname) || '
                ADD CONSTRAINT ' ||
quote_ident('enforce_srid_' || gcs.attname) || '
                CHECK (srid(' ||
quote_ident(gcs.attname) || ') = ' || gsrid || ')';
            EXCEPTION
                WHEN check_violation THEN
                    RAISE WARNING 'Not inserting ''%' in '%.%''
into geometry_columns: could not apply constraint CHECK (srid(% = %)',
quote_ident(gcs.attname), quote_ident(gcs.nspname), quote_ident(gcs.relname),
quote_ident(gcs.attname), gsrid;
                    gc_is_valid := false;
            END;
        END IF;
    END IF;

    -- Try to find ndims check from system tables (pg_constraint)
    gndims :=
        (SELECT replace(split_part(s.consrc, ' = ', 2), ',', '')
         FROM pg_class c, pg_namespace n, pg_attribute a, pg_constraint s
         WHERE n.nspname = gcs.nspname
              AND c.relname = gcs.relname
              AND a.attname = gcs.attname
              AND a.attrelid = c.oid
              AND s.connamespace = n.oid
              AND s.conrelid = c.oid
              AND a.attnum = ANY (s.conkey)
              AND s.consrc LIKE '%ndims(% = %)');
    IF (gndims IS NULL) THEN
        -- Try to find ndims from the geometry itself
        EXECUTE 'SELECT st_ndims(' || quote_ident(gcs.attname) || ') As
ndims
                FROM ONLY ' || quote_ident(gcs.nspname) || '.' ||
quote_ident(gcs.relname) || '
                WHERE ' || quote_ident(gcs.attname) || ' IS NOT
NULL LIMIT 1'
            INTO gc;
        gndims := gc.ndims;

        -- Try to apply ndims check to column
        IF (gndims IS NOT NULL) THEN
            BEGIN
                EXECUTE 'ALTER TABLE ONLY ' ||
quote_ident(gcs.nspname) || '.' || quote_ident(gcs.relname) || '
                ADD CONSTRAINT ' ||
quote_ident('enforce_dims_' || gcs.attname) || '
                CHECK (st_ndims(' ||
quote_ident(gcs.attname) || ') = ' || gndims || ')';
            EXCEPTION
                WHEN check_violation THEN
                    RAISE WARNING 'Not inserting ''%' in '%.%''
into geometry_columns: could not apply constraint CHECK (st_ndims(% = %)',
quote_ident(gcs.attname), quote_ident(gcs.nspname), quote_ident(gcs.relname),
quote_ident(gcs.attname), gndims;
                    gc_is_valid := false;
            END;
        END;

```

```

        END IF;
    END IF;

    -- Try to find geotype check from system tables (pg_constraint)
    gtype :=
        (SELECT replace(split_part(s.consrc, '||', 2), '||', '')
         FROM pg_class c, pg_namespace n, pg_attribute a, pg_constraint s
         WHERE n.nspname = gcs.nspname
              AND c.relname = gcs.relname
              AND a.attname = gcs.attname
              AND a.attrelid = c.oid
              AND s.connamespace = n.oid
              AND s.conrelid = c.oid
              AND a.attnum = ANY (s.conkey)
              AND s.consrc LIKE '%geometrytype(% = %)');
    IF (gtype IS NULL) THEN
        -- Try to find geotype from the geometry itself
        EXECUTE 'SELECT geometrytype(' || quote_ident(gcs.attname) || ')
As geometrytype
        FROM ONLY ' || quote_ident(gcs.nspname) || '.' ||
quote_ident(gcs.relname) || '
        WHERE ' || quote_ident(gcs.attname) || ' IS NOT
NULL LIMIT 1'
        INTO gc;
        gtype := gc.geometrytype;
        --IF (gtype IS NULL) THEN
        --    gtype := 'GEOMETRY';
        --END IF;

        -- Try to apply geometrytype check to column
        IF (gtype IS NOT NULL) THEN
            BEGIN
                EXECUTE 'ALTER TABLE ONLY ' ||
quote_ident(gcs.nspname) || '.' || quote_ident(gcs.relname) || '
                ADD CONSTRAINT ' || quote_ident('enforce_geotype_'
|| gcs.attname) || '
                CHECK ((geometrytype(' || quote_ident(gcs.attname)
|| ') = ' || quote_literal(gtype) || ') OR (' || quote_ident(gcs.attname) || ' IS
NULL))';
                EXCEPTION
                WHEN check_violation THEN
                    -- No geometry check can be applied. This
column contains a number of geometry types.
                    RAISE WARNING 'Could not add geometry type
check (%) to table column: %.%.%', gtype,
quote_ident(gcs.nspname), quote_ident(gcs.relname), quote_ident(gcs.attname);
                END;
            END IF;
        END IF;

        IF (gsrid IS NULL) THEN
            RAISE WARNING 'Not inserting ''%'' in ''%.%' into
geometry_columns: could not determine the srid', quote_ident(gcs.attname),
quote_ident(gcs.nspname), quote_ident(gcs.relname);
        ELSIF (gndims IS NULL) THEN
            RAISE WARNING 'Not inserting ''%'' in ''%.%' into
geometry_columns: could not determine the number of dimensions',
quote_ident(gcs.attname), quote_ident(gcs.nspname), quote_ident(gcs.relname);
        ELSIF (gtype IS NULL) THEN
            RAISE WARNING 'Not inserting ''%'' in ''%.%' into
geometry_columns: could not determine the geometry type', quote_ident(gcs.attname),
quote_ident(gcs.nspname), quote_ident(gcs.relname);
        ELSE
            -- Only insert into geometry_columns if table constraints could
be applied.
            IF (gc_is_valid) THEN
                INSERT INTO geometry_columns
(f_table_catalog, f_table_schema, f_table_name, f_geometry_column, coord_dimension,
srid, type)

```

```

VALUES ('', gcs.nspname, gcs.relname, gcs.attname, gndims,
gsrid, gtype);
        inserted := inserted + 1;
    END IF;
END IF;
END LOOP;

-- Add views to geometry columns table
FOR gcs IN
SELECT n.nspname, c.relname, a.attname
    FROM pg_class c,
         pg_attribute a,
         pg_type t,
         pg_namespace n
    WHERE c.relkind = 'v'
        AND t.typname = 'geometry'
        AND a.attisdropped = false
        AND a.atttypid = t.oid
        AND a.attrelid = c.oid
        AND c.relnamespace = n.oid
        AND n.nspname NOT ILIKE 'pg_temp%'
        AND c.oid = tbl_oid
LOOP
    RAISE DEBUG 'Processing view %.%%', gcs.nspname, gcs.relname,
gcs.attname;

DELETE FROM geometry_columns
    WHERE f_table_schema = gcs.nspname
        AND f_table_name = gcs.relname
        AND f_geometry_column = gcs.attname;

EXECUTE 'SELECT st_ndims(' || quote_ident(gcs.attname) || ') As
ndims
        FROM ' || quote_ident(gcs.nspname) || '.' ||
quote_ident(gcs.relname) || '
        WHERE ' || quote_ident(gcs.attname) || ' IS NOT
NULL LIMIT 1'
        INTO gc;
    gndims := gc.ndims;

EXECUTE 'SELECT st_srid(' || quote_ident(gcs.attname) || ') As
srid
        FROM ' || quote_ident(gcs.nspname) || '.' ||
quote_ident(gcs.relname) || '
        WHERE ' || quote_ident(gcs.attname) || ' IS NOT
NULL LIMIT 1'
        INTO gc;
    gsrid := gc.srid;

EXECUTE 'SELECT geometrytype(' || quote_ident(gcs.attname) || ')
As geometrytype
        FROM ' || quote_ident(gcs.nspname) || '.' ||
quote_ident(gcs.relname) || '
        WHERE ' || quote_ident(gcs.attname) || ' IS NOT
NULL LIMIT 1'
        INTO gc;
    gtype := gc.geometrytype;

    IF (gndims IS NULL) THEN
        RAISE WARNING 'Not inserting ''' in '%.%' into
geometry_columns: could not determine ndims', quote_ident(gcs.attname),
quote_ident(gcs.nspname), quote_ident(gcs.relname);
    ELSIF (gsrid IS NULL) THEN
        RAISE WARNING 'Not inserting ''' in '%.%' into
geometry_columns: could not determine srid', quote_ident(gcs.attname),
quote_ident(gcs.nspname), quote_ident(gcs.relname);
    ELSIF (gtype IS NULL) THEN
        RAISE WARNING 'Not inserting ''' in '%.%' into
geometry_columns: could not determine gtype', quote_ident(gcs.attname),
quote_ident(gcs.nspname), quote_ident(gcs.relname);
    ELSE

```



```

                query := 'INSERT INTO geometry_columns
(f_table_catalog,f_table_schema, f_table_name, f_geometry_column, coord_dimension,
srid, type) ' ||
                'VALUES (''', ' ||
quote_literal(gcs.nspname) || ',' || quote_literal(gcs.relname) || ',' ||
quote_literal(gcs.attname) || ',' || gndims || ',' || gsruid || ',' ||
quote_literal(gtype) || ')';
                EXECUTE query;
                inserted := inserted + 1;
            END IF;
        END LOOP;

        RETURN inserted;
    END
$$;

--
-- TOC entry 5517 (class 0 OID 0)
-- Dependencies: 927
-- Name: FUNCTION populate_geometry_columns(tbl_oid oid); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION populate_geometry_columns(tbl_oid oid) IS 'args:
relation_oid - Ensures geometry columns have appropriate spatial constraints and
exist in the geometry_columns table.';

--
-- TOC entry 754 (class 1255 OID 16570)
-- Name: postgis_addbbox(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_addbbox(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_addBBOX';

--
-- TOC entry 5518 (class 0 OID 0)
-- Dependencies: 754
-- Name: FUNCTION postgis_addbbox(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_addbbox(geometry) IS 'args: geomA - Add bounding
box to the geometry.';

--
-- TOC entry 864 (class 1255 OID 16680)
-- Name: postgis_cache_bbox(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_cache_bbox() RETURNS trigger
LANGUAGE c
AS '$libdir/postgis-1.5', 'cache_bbox';

--
-- TOC entry 756 (class 1255 OID 16572)
-- Name: postgis_dropbbox(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_dropbbox(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_dropBBOX';

```

```

--
-- TOC entry 5519 (class 0 OID 0)
-- Dependencies: 756
-- Name: FUNCTION postgis_dropbbox(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_dropbbox(geometry) IS 'args: geomA - Drop the
bounding box cache from the geometry.';

--
-- TOC entry 962 (class 1255 OID 16796)
-- Name: postgis_full_version(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_full_version() RETURNS text
LANGUAGE plpgsql IMMUTABLE
AS $$
DECLARE
    libver text;
    projver text;
    geosver text;
    libxmlver text;
    usestats bool;
    dbproc text;
    relproc text;
    fullver text;
BEGIN
    SELECT postgis_lib_version() INTO libver;
    SELECT postgis_proj_version() INTO projver;
    SELECT postgis_geos_version() INTO geosver;
    SELECT postgis_libxml_version() INTO libxmlver;
    SELECT postgis_uses_stats() INTO usestats;
    SELECT postgis_scripts_installed() INTO dbproc;
    SELECT postgis_scripts_released() INTO relproc;

    fullver = 'POSTGIS="' || libver || '"';

    IF geosver IS NOT NULL THEN
        fullver = fullver || ' GEOS="' || geosver || '"';
    END IF;

    IF projver IS NOT NULL THEN
        fullver = fullver || ' PROJ="' || projver || '"';
    END IF;

    IF libxmlver IS NOT NULL THEN
        fullver = fullver || ' LIBXML="' || libxmlver || '"';
    END IF;

    IF usestats THEN
        fullver = fullver || ' USE_STATS';
    END IF;

    -- fullver = fullver || ' DBPROC="' || dbproc || '"';
    -- fullver = fullver || ' RELPROC="' || relproc || '"';

    IF dbproc != relproc THEN
        fullver = fullver || ' (procs from ' || dbproc || ' need
upgrade)';
    END IF;

    RETURN fullver;
END
$$;
--

```

```

-- TOC entry 5520 (class 0 OID 0)
-- Dependencies: 962
-- Name: FUNCTION postgis_full_version(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_full_version() IS 'Reports full postgis version
and build configuration infos.';

--
-- TOC entry 958 (class 1255 OID 16792)
-- Name: postgis_geos_version(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_geos_version() RETURNS text
LANGUAGE c IMMUTABLE
AS '$libdir/postgis-1.5', 'postgis_geos_version';

--
-- TOC entry 5521 (class 0 OID 0)
-- Dependencies: 958
-- Name: FUNCTION postgis_geos_version(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_geos_version() IS 'Returns the version number of
the GEOS library.';

--
-- TOC entry 759 (class 1255 OID 16575)
-- Name: postgis_getbbox(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_getbbox(geometry) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX2DFLOAT4';

--
-- TOC entry 716 (class 1255 OID 16499)
-- Name: postgis_gist_joinsel(internal, oid, internal, smallint); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_gist_joinsel(internal, oid, internal, smallint)
RETURNS double precision
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_joinsel';

--
-- TOC entry 715 (class 1255 OID 16498)
-- Name: postgis_gist_sel(internal, oid, internal, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION postgis_gist_sel(internal, oid, internal, integer) RETURNS
double precision
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_sel';

--
-- TOC entry 761 (class 1255 OID 16577)
-- Name: postgis_hasbbox(geometry); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION postgis_hasbbox(geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_hasBBOX';

--
-- TOC entry 5522 (class 0 OID 0)
-- Dependencies: 761
-- Name: FUNCTION postgis_hasbbox(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_hasbbox(geometry) IS 'args: geomA - Returns TRUE
if the bbox of this geometry is cached, FALSE otherwise.';

--
-- TOC entry 961 (class 1255 OID 16795)
-- Name: postgis_lib_build_date(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_lib_build_date() RETURNS text
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'postgis_lib_build_date';

--
-- TOC entry 5523 (class 0 OID 0)
-- Dependencies: 961
-- Name: FUNCTION postgis_lib_build_date(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_lib_build_date() IS 'Returns build date of the
PostGIS library.';

--
-- TOC entry 955 (class 1255 OID 16789)
-- Name: postgis_lib_version(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_lib_version() RETURNS text
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'postgis_lib_version';

--
-- TOC entry 5524 (class 0 OID 0)
-- Dependencies: 955
-- Name: FUNCTION postgis_lib_version(); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION postgis_lib_version() IS 'Returns the version number of
the PostGIS library.';

--
-- TOC entry 959 (class 1255 OID 16793)
-- Name: postgis_libxml_version(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_libxml_version() RETURNS text
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'postgis_libxml_version';

--
-- TOC entry 5525 (class 0 OID 0)

```

```

-- Dependencies: 959
-- Name: FUNCTION postgis_libxml_version(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_libxml_version() IS 'Returns the version number of
the libxml2 library.';

--
-- TOC entry 845 (class 1255 OID 16661)
-- Name: postgis_noop(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_noop(geometry) RETURNS geometry
LANGUAGE c STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_noop';

--
-- TOC entry 953 (class 1255 OID 16787)
-- Name: postgis_proj_version(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_proj_version() RETURNS text
LANGUAGE c IMMUTABLE
AS '$libdir/postgis-1.5', 'postgis_proj_version';

--
-- TOC entry 5526 (class 0 OID 0)
-- Dependencies: 953
-- Name: FUNCTION postgis_proj_version(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_proj_version() IS 'Returns the version number of
the PROJ4 library.';

--
-- TOC entry 960 (class 1255 OID 16794)
-- Name: postgis_scripts_build_date(); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION postgis_scripts_build_date() RETURNS text
LANGUAGE sql IMMUTABLE
AS $$SELECT '2012-07-21 08:30:41'::text AS version$$;

--
-- TOC entry 5527 (class 0 OID 0)
-- Dependencies: 960
-- Name: FUNCTION postgis_scripts_build_date(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_scripts_build_date() IS 'Returns build date of the
PostGIS scripts.';

--
-- TOC entry 954 (class 1255 OID 16788)
-- Name: postgis_scripts_installed(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_scripts_installed() RETURNS text
LANGUAGE sql IMMUTABLE

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```

        AS $$SELECT '1.5 r9707'::text AS version$$;

--
-- TOC entry 5528 (class 0 OID 0)
-- Dependencies: 954
-- Name: FUNCTION postgis_scripts_installed(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_scripts_installed() IS 'Returns version of the
postgis scripts installed in this database.';

--
-- TOC entry 956 (class 1255 OID 16790)
-- Name: postgis_scripts_released(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_scripts_released() RETURNS text
LANGUAGE c IMMUTABLE
AS '$libdir/postgis-1.5', 'postgis_scripts_released';

--
-- TOC entry 5529 (class 0 OID 0)
-- Dependencies: 956
-- Name: FUNCTION postgis_scripts_released(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION postgis_scripts_released() IS 'Returns the version number
of the postgis.sql script released with the installed postgis lib.';

--
-- TOC entry 949 (class 1255 OID 16783)
-- Name: postgis_transform_geometry(geometry, text, text, integer); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_transform_geometry(geometry, text, text, integer)
RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'transform_geom';

--
-- TOC entry 957 (class 1255 OID 16791)
-- Name: postgis_uses_stats(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION postgis_uses_stats() RETURNS boolean
LANGUAGE c IMMUTABLE
AS '$libdir/postgis-1.5', 'postgis_uses_stats';

--
-- TOC entry 5530 (class 0 OID 0)
-- Dependencies: 957
-- Name: FUNCTION postgis_uses_stats(); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION postgis_uses_stats() IS 'Returns TRUE if STATS usage has
been enabled.';

--
-- TOC entry 952 (class 1255 OID 16786)
-- Name: postgis_version(); Type: FUNCTION; Schema: public; Owner: -

```

```

--
CREATE FUNCTION postgis_version() RETURNS text
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'postgis_version';

--
-- TOC entry 5531 (class 0 OID 0)
-- Dependencies: 952
-- Name: FUNCTION postgis_version(); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION postgis_version() IS 'Returns PostGIS version number and
compile-time options.';

--
-- TOC entry 928 (class 1255 OID 16768)
-- Name: probe_geometry_columns(); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION probe_geometry_columns() RETURNS text
  LANGUAGE plpgsql
  AS $$
DECLARE
  inserted integer;
  oldcount integer;
  probed integer;
  stale integer;
BEGIN

  SELECT count(*) INTO oldcount FROM geometry_columns;

  SELECT count(*) INTO probed
    FROM pg_class c, pg_attribute a, pg_type t,
         pg_namespace n,
         pg_constraint sridcheck, pg_constraint typecheck

    WHERE t.typname = 'geometry'
    AND a.atttypid = t.oid
    AND a.attrelid = c.oid
    AND c.relnamespace = n.oid
    AND sridcheck.connamespace = n.oid
    AND typecheck.connamespace = n.oid
    AND sridcheck.conrelid = c.oid
    AND sridcheck.consrc LIKE '(%srid('||a.attname||') = %)'
    AND typecheck.conrelid = c.oid
    AND typecheck.consrc LIKE
      '((geometrytype('||a.attname||') = '%'::text) OR (% IS NULL))'
    ;

  INSERT INTO geometry_columns SELECT
    '::varchar as f_table_catalogue,
    n.nspname::varchar as f_table_schema,
    c.relname::varchar as f_table_name,
    a.attname::varchar as f_geometry_column,
    2 as coord_dimension,
    trim(both '=' =)' from
      replace(replace(split_part(
        sridcheck.consrc, '=' = ', 2), ','), '('), '('',
    '))::integer AS srid,
    trim(both '=' =)''' from substr(typecheck.consrc,
      strpos(typecheck.consrc, '='),
      strpos(typecheck.consrc, '::')-
      strpos(typecheck.consrc, '='))
    )::varchar as type
  FROM pg_class c, pg_attribute a, pg_type t,
       pg_namespace n,

```

```

        pg_constraint sridcheck, pg_constraint typecheck
WHERE t.typname = 'geometry'
AND a.atttypid = t.oid
AND a.attrelid = c.oid
AND c.relnamespace = n.oid
AND sridcheck.connamespace = n.oid
AND typecheck.connamespace = n.oid
AND sridcheck.conrelid = c.oid
AND sridcheck.consrc LIKE '(st_srid('||a.attname||') = %)'
AND typecheck.conrelid = c.oid
AND typecheck.consrc LIKE
'((geometrytype('||a.attname||') = '% '::text) OR (% IS NULL))'

        AND NOT EXISTS (
                SELECT oid FROM geometry_columns gc
                WHERE c.relname::varchar = gc.f_table_name
                AND n.nspname::varchar = gc.f_table_schema
                AND a.attname::varchar = gc.f_geometry_column
        );

GET DIAGNOSTICS inserted = ROW_COUNT;

IF oldcount > probed THEN
    stale = oldcount-probed;
ELSE
    stale = 0;
END IF;

RETURN 'probed:'||probed::text||
' inserted:'||inserted::text||
' conflicts:'||(probed-inserted)::text||
' stale:'||stale::text;

END

$$;

--
-- TOC entry 5532 (class 0 OID 0)
-- Dependencies: 928
-- Name: FUNCTION probe_geometry_columns(); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION probe_geometry_columns() IS 'Scans all tables with PostGIS
geometry constraints and adds them to the geometry_columns table if they are not
there.';

--
-- TOC entry 1051 (class 1255 OID 16922)
-- Name: relate(geometry, geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION relate(geometry, geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'relate_full';

--
-- TOC entry 1053 (class 1255 OID 16924)
-- Name: relate(geometry, geometry, text); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION relate(geometry, geometry, text) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'relate_pattern';

--

```



```

-- TOC entry 888 (class 1255 OID 16704)
-- Name: removepoint(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION removepoint(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_removepoint';

--
-- TOC entry 924 (class 1255 OID 16763)
-- Name: rename_geometry_table_constraints(); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION rename_geometry_table_constraints() RETURNS text
LANGUAGE sql IMMUTABLE
AS $$
SELECT 'rename_geometry_table_constraint() is obsoleted'::text
$$;

--
-- TOC entry 840 (class 1255 OID 16656)
-- Name: reverse(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION reverse(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_reverse';

--
-- TOC entry 657 (class 1255 OID 16418)
-- Name: rotate(geometry, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION rotate(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT rotateZ($1, $2)$_$$;

--
-- TOC entry 659 (class 1255 OID 16420)
-- Name: rotatex(geometry, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION rotatex(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT affine($1, 1, 0, 0, 0, cos($2), -sin($2), 0, sin($2),
cos($2), 0, 0, 0)$_$$;

--
-- TOC entry 661 (class 1255 OID 16422)
-- Name: rotatey(geometry, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION rotatey(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT affine($1, cos($2), 0, sin($2), 0, 1, 0, -sin($2), 0,
cos($2), 0, 0, 0)$_$$;

--

```

```

-- TOC entry 654 (class 1255 OID 16416)
-- Name: rotatez(geometry, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION rotatez(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT affine($1, cos($2), -sin($2), 0, sin($2), cos($2), 0, 0,
0, 1, 0, 0, 0, 0)$$;

--
-- TOC entry 669 (class 1255 OID 16430)
-- Name: scale(geometry, double precision, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION scale(geometry, double precision, double precision) RETURNS
geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT scale($1, $2, $3, 1)$$;

--
-- TOC entry 667 (class 1255 OID 16428)
-- Name: scale(geometry, double precision, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION scale(geometry, double precision, double precision, double
precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT affine($1, $2, 0, 0, 0, $3, 0, 0, 0, $4, 0, 0, 0)$$;

--
-- TOC entry 1323 (class 1255 OID 17189)
-- Name: se_envelopesintersect(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION se_envelopesintersect(geometry, geometry) RETURNS boolean
LANGUAGE sql IMMUTABLE STRICT
AS $$
SELECT $1 && $2
$$;

--
-- TOC entry 1317 (class 1255 OID 17183)
-- Name: se_is3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION se_is3d(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_hasz';

--
-- TOC entry 1318 (class 1255 OID 17184)
-- Name: se_ismasured(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION se_ismasured(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_hasm';

--
-- TOC entry 1324 (class 1255 OID 17190)

```

```

-- Name: se_locatealong(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION se_locatealong(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT locate_between_measures($1, $2, $2) $$;

--

-- TOC entry 1325 (class 1255 OID 17191)
-- Name: se_locatebetween(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION se_locatebetween(geometry, double precision, double precision)
RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_locate_between_m';

--

-- TOC entry 1321 (class 1255 OID 17187)
-- Name: se_m(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION se_m(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_m_point';

--

-- TOC entry 1320 (class 1255 OID 17186)
-- Name: se_z(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION se_z(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_z_point';

--

-- TOC entry 997 (class 1255 OID 16853)
-- Name: segmentize(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION segmentize(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_segmentize2d';

--

-- TOC entry 775 (class 1255 OID 16591)
-- Name: setfactor(chip, real); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION setfactor(chip, real) RETURNS chip
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_setFactor';

--

-- TOC entry 890 (class 1255 OID 16706)
-- Name: setpoint(geometry, integer, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION setpoint(geometry, integer, geometry) RETURNS geometry

```

```

LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_setpoint_linestring';

--
-- TOC entry 774 (class 1255 OID 16590)
-- Name: setsrid(chip, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION setsrid(chip, integer) RETURNS chip
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_setsRID';

--
-- TOC entry 1169 (class 1255 OID 17040)
-- Name: setsrid(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION setsrid(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_setsRID';

--
-- TOC entry 673 (class 1255 OID 16434)
-- Name: shift_longitude(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION shift_longitude(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_longitude_shift';

--
-- TOC entry 987 (class 1255 OID 16843)
-- Name: simplify(geometry, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION simplify(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_simplify2d';

--
-- TOC entry 993 (class 1255 OID 16849)
-- Name: snaptogrid(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION snaptogrid(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS '$_SSELECT SnapToGrid($1, 0, 0, $2, $2)$_';

--
-- TOC entry 991 (class 1255 OID 16847)
-- Name: snaptogrid(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION snaptogrid(geometry, double precision, double precision)
RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS '$_SSELECT SnapToGrid($1, 0, 0, $2, $3)$_';

--
-- TOC entry 989 (class 1255 OID 16845)

```

```
-- Name: snaptogrid(geometry, double precision, double precision, double
precision, double precision); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION snaptogrid(geometry, double precision, double precision,
double precision, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_snaptogrid';
```

```
--
-- TOC entry 995 (class 1255 OID 16851)
-- Name: snaptogrid(geometry, geometry, double precision, double precision,
double precision, double precision); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION snaptogrid(geometry, geometry, double precision, double
precision, double precision, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_snaptogrid_pointoff';
```

```
--
-- TOC entry 762 (class 1255 OID 16578)
-- Name: srid(chip); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION srid(chip) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_getSRID';
```

```
--
-- TOC entry 1167 (class 1255 OID 17038)
-- Name: srid(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION srid(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_getSRID';
```

```
--
-- TOC entry 1009 (class 1255 OID 16865)
-- Name: st_addmeasure(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_addmeasure(geometry, double precision, double precision)
RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'ST_AddMeasure';
```

```
--
-- TOC entry 5533 (class 0 OID 0)
-- Dependencies: 1009
-- Name: FUNCTION st_addmeasure(geometry, double precision, double precision);
Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_addmeasure(geometry, double precision, double
precision) IS 'args: geom_mline, measure_start, measure_end - Return a derived
geometry with measure elements linearly interpolated between the start and end
points. If the geometry has no measure dimension, one is added. If the geometry has a
measure dimension, it is over-written with new values. Only LINESRINGS and
MULTILINESTRINGS are supported.';
```

```
--
-- TOC entry 885 (class 1255 OID 16701)
-- Name: st_addpoint(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_addpoint(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_addpoint';
```

```
--
-- TOC entry 5534 (class 0 OID 0)
-- Dependencies: 885
-- Name: FUNCTION st_addpoint(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_addpoint(geometry, geometry) IS 'args: linestring,
point - Adds a point to a LineString before point <position> (0-based index).';
```

```
--
-- TOC entry 887 (class 1255 OID 16703)
-- Name: st_addpoint(geometry, geometry, integer); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_addpoint(geometry, geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_addpoint';
```

```
--
-- TOC entry 5535 (class 0 OID 0)
-- Dependencies: 887
-- Name: FUNCTION st_addpoint(geometry, geometry, integer); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_addpoint(geometry, geometry, integer) IS 'args:
linestring, point, position - Adds a point to a LineString before point <position>
(0-based index).';
```

```
--
-- TOC entry 653 (class 1255 OID 16415)
-- Name: st_affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision); Type: FUNCTION;
Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT affine($1, $2, $3, 0, $4, $5, 0, 0, 0, 1, $6, $7, 0)$$_$;
```

```
--
-- TOC entry 5536 (class 0 OID 0)
-- Dependencies: 653
-- Name: FUNCTION st_affine(geometry, double precision, double precision,
double precision, double precision, double precision, double precision); Type:
COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_affine(geometry, double precision, double precision,
double precision, double precision, double precision, double precision) IS 'args:
geomA, a, b, d, e, xoff, yoff - Applies a 3d affine transformation to the geometry to
do things like translate, rotate, scale in one step.';
```

```

--
-- TOC entry 651 (class 1255 OID 16413)
-- Name: st_affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision, double precision,
double precision, double precision, double precision, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_affine(geometry, double precision, double precision, double
precision, double precision, double precision, double precision, double precision,
double precision, double precision, double precision, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_affine';

--
-- TOC entry 5537 (class 0 OID 0)
-- Dependencies: 651
-- Name: FUNCTION st_affine(geometry, double precision, double precision,
double precision, double precision, double precision, double precision, double
precision, double precision, double precision, double precision, double precision,
double precision); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_affine(geometry, double precision, double precision,
double precision, double precision, double precision, double precision, double
precision, double precision, double precision, double precision, double precision,
double precision) IS 'args: geomA, a, b, c, d, e, f, g, h, i, xoff, yoff, zoff -
Applies a 3d affine transformation to the geometry to do things like translate,
rotate, scale in one step.';

--
-- TOC entry 1393 (class 1255 OID 17300)
-- Name: st_area(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_area(geography) RETURNS double precision
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT ST_Area($1, true)$$;

--
-- TOC entry 5538 (class 0 OID 0)
-- Dependencies: 1393
-- Name: FUNCTION st_area(geography); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_area(geography) IS 'args: g1 - Returns the area of the
surface if it is a polygon or multi-polygon. For "geometry" type area is in SRID
units. For "geography" area is in square meters.';

--
-- TOC entry 806 (class 1255 OID 16622)
-- Name: st_area(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_area(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_area_polygon';

--
-- TOC entry 5539 (class 0 OID 0)
-- Dependencies: 806
-- Name: FUNCTION st_area(geometry); Type: COMMENT; Schema: public; Owner: -

```

```

--
COMMENT ON FUNCTION st_area(geometry) IS 'args: g1 - Returns the area of the
surface if it is a polygon or multi-polygon. For "geometry" type area is in SRID
units. For "geography" area is in square meters.';

--
-- TOC entry 1394 (class 1255 OID 17301)
-- Name: st_area(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_area(text) RETURNS double precision
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT ST_Area($1::geometry); $$;

--
-- TOC entry 1392 (class 1255 OID 17299)
-- Name: st_area(geography, boolean); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_area(geography, boolean) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'geography_area';

--
-- TOC entry 5540 (class 0 OID 0)
-- Dependencies: 1392
-- Name: FUNCTION st_area(geography, boolean); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_area(geography, boolean) IS 'args: g1, use_spheroid -
Returns the area of the surface if it is a polygon or multi-polygon. For "geometry"
type area is in SRID units. For "geography" area is in square meters.';

--
-- TOC entry 804 (class 1255 OID 16620)
-- Name: st_area2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_area2d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_area_polygon';

--
-- TOC entry 1333 (class 1255 OID 17209)
-- Name: st_asbinary(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asbinary(geography) RETURNS bytea
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_as_binary';

--
-- TOC entry 5541 (class 0 OID 0)
-- Dependencies: 1333
-- Name: FUNCTION st_asbinary(geography); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_asbinary(geography) IS 'args: g1 - Return the Well-
Known Binary (WKB) representation of the geometry/geography without SRID meta data.';

--

```



```

-- TOC entry 1172 (class 1255 OID 17043)
-- Name: st_asbinary(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asbinary(geometry) RETURNS bytea
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_asBinary';

--

-- TOC entry 5542 (class 0 OID 0)
-- Dependencies: 1172
-- Name: FUNCTION st_asbinary(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asbinary(geometry) IS 'args: g1 - Return the Well-Known
Binary (WKB) representation of the geometry/geography without SRID meta data.';

--

-- TOC entry 1334 (class 1255 OID 17210)
-- Name: st_asbinary(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asbinary(text) RETURNS bytea
  LANGUAGE sql IMMUTABLE STRICT
  AS $$ SELECT ST_AsBinary($1::geometry); $$;

--

-- TOC entry 1174 (class 1255 OID 17045)
-- Name: st_asbinary(geometry, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asbinary(geometry, text) RETURNS bytea
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_asBinary';

--

-- TOC entry 5543 (class 0 OID 0)
-- Dependencies: 1174
-- Name: FUNCTION st_asbinary(geometry, text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_asbinary(geometry, text) IS 'args: g1, NDR_or_XDR -
Return the Well-Known Binary (WKB) representation of the geometry/geography without
SRID meta data.';

--

-- TOC entry 853 (class 1255 OID 16669)
-- Name: st_asewkb(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asewkb(geometry) RETURNS bytea
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'WKBFromLWGEOM';

--

-- TOC entry 5544 (class 0 OID 0)
-- Dependencies: 853
-- Name: FUNCTION st_asewkb(geometry); Type: COMMENT; Schema: public; Owner: -
--

```

```
COMMENT ON FUNCTION st_asewkb(geometry) IS 'args: g1 - Return the Well-Known Binary (WKB) representation of the geometry with SRID meta data.';
```

```
--  
-- TOC entry 859 (class 1255 OID 16675)  
-- Name: st_asewkb(geometry, text); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_asewkb(geometry, text) RETURNS bytea  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'WKBFromLWGEOM';
```

```
--  
-- TOC entry 5545 (class 0 OID 0)  
-- Dependencies: 859  
-- Name: FUNCTION st_asewkb(geometry, text); Type: COMMENT; Schema: public;  
Owner: -  
--
```

```
COMMENT ON FUNCTION st_asewkb(geometry, text) IS 'args: g1, NDR_or_XDR -  
Return the Well-Known Binary (WKB) representation of the geometry with SRID meta  
data.';
```

```
--  
-- TOC entry 851 (class 1255 OID 16667)  
-- Name: st_asewkt(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_asewkt(geometry) RETURNS text  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'LWGEOM_aseWKT';
```

```
--  
-- TOC entry 5546 (class 0 OID 0)  
-- Dependencies: 851  
-- Name: FUNCTION st_asewkt(geometry); Type: COMMENT; Schema: public; Owner: -  
--
```

```
COMMENT ON FUNCTION st_asewkt(geometry) IS 'args: g1 - Return the Well-Known  
Text (WKT) representation of the geometry with SRID meta data.';
```

```
--  
-- TOC entry 1377 (class 1255 OID 17284)  
-- Name: st_asgeojson(geography); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_asgeojson(geography) RETURNS text  
LANGUAGE sql IMMUTABLE STRICT  
AS '$_SELECT _ST_AsGeoJson(1, $1, 15, 0)$_';
```

```
--  
-- TOC entry 5547 (class 0 OID 0)  
-- Dependencies: 1377  
-- Name: FUNCTION st_asgeojson(geography); Type: COMMENT; Schema: public;  
Owner: -  
--
```

```
COMMENT ON FUNCTION st_asgeojson(geography) IS 'args: g1 - Return the geometry  
as a GeoJSON element.';
```

```
--  
-- TOC entry 1124 (class 1255 OID 16995)  
-- Name: st_asgeojson(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```

CREATE FUNCTION st_asgeojson(geometry) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$SELECT _ST_AsGeoJson(1, $1, 15, 0)$$_;

--
-- TOC entry 5548 (class 0 OID 0)
-- Dependencies: 1124
-- Name: FUNCTION st_asgeojson(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_asgeojson(geometry) IS 'args: g1 - Return the geometry
as a GeoJSON element.';

--
-- TOC entry 1378 (class 1255 OID 17285)
-- Name: st_asgeojson(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asgeojson(text) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$ SELECT ST_AsGeoJson($1::geometry); $$;

--
-- TOC entry 1379 (class 1255 OID 17286)
-- Name: st_asgeojson(integer, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_asgeojson(integer, geography) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$SELECT _ST_AsGeoJson($1, $2, 15, 0)$$_;

--
-- TOC entry 5549 (class 0 OID 0)
-- Dependencies: 1379
-- Name: FUNCTION st_asgeojson(integer, geography); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(integer, geography) IS 'args: gj_version, g1
- Return the geometry as a GeoJSON element.';

--
-- TOC entry 1125 (class 1255 OID 16996)
-- Name: st_asgeojson(integer, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_asgeojson(integer, geometry) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$SELECT _ST_AsGeoJson($1, $2, 15, 0)$$_;

--
-- TOC entry 5550 (class 0 OID 0)
-- Dependencies: 1125
-- Name: FUNCTION st_asgeojson(integer, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(integer, geometry) IS 'args: gj_version, g1 -
Return the geometry as a GeoJSON element.';

```

```

--
-- TOC entry 1376 (class 1255 OID 17283)
-- Name: st_asgeojson(geography, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_asgeojson(geography, integer) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGeoJson(1, $1, $2, 0)$$_$;

--
-- TOC entry 5551 (class 0 OID 0)
-- Dependencies: 1376
-- Name: FUNCTION st_asgeojson(geography, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(geography, integer) IS 'args: g1,
max_decimal_digits - Return the geometry as a GeoJSON element.';

--
-- TOC entry 1123 (class 1255 OID 16994)
-- Name: st_asgeojson(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_asgeojson(geometry, integer) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGeoJson(1, $1, $2, 0)$$_$;

--
-- TOC entry 5552 (class 0 OID 0)
-- Dependencies: 1123
-- Name: FUNCTION st_asgeojson(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(geometry, integer) IS 'args: g1,
max_decimal_digits - Return the geometry as a GeoJSON element.';

--
-- TOC entry 1380 (class 1255 OID 17287)
-- Name: st_asgeojson(integer, geography, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_asgeojson(integer, geography, integer) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGeoJson($1, $2, $3, 0)$$_$;

--
-- TOC entry 5553 (class 0 OID 0)
-- Dependencies: 1380
-- Name: FUNCTION st_asgeojson(integer, geography, integer); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(integer, geography, integer) IS 'args:
gj_version, g1, max_decimal_digits - Return the geometry as a GeoJSON element.';

--
-- TOC entry 1126 (class 1255 OID 16997)

```

```

-- Name: st_asgeojson(integer, geometry, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_asgeojson(integer, geometry, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT _ST_AsGeoJson($1, $2, $3, 0)$$_$;

--
-- TOC entry 5554 (class 0 OID 0)
-- Dependencies: 1126
-- Name: FUNCTION st_asgeojson(integer, geometry, integer); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(integer, geometry, integer) IS 'args:
gj_version, g1, max_decimal_digits - Return the geometry as a GeoJSON element.';

--
-- TOC entry 1381 (class 1255 OID 17288)
-- Name: st_asgeojson(geography, integer, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_asgeojson(geography, integer, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT _ST_AsGeoJson(1, $1, $2, $3)$$_$;

--
-- TOC entry 5555 (class 0 OID 0)
-- Dependencies: 1381
-- Name: FUNCTION st_asgeojson(geography, integer, integer); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(geography, integer, integer) IS 'args: g1,
max_decimal_digits, options - Return the geometry as a GeoJSON element.';

--
-- TOC entry 1127 (class 1255 OID 16998)
-- Name: st_asgeojson(geometry, integer, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_asgeojson(geometry, integer, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT _ST_AsGeoJson(1, $1, $2, $3)$$_$;

--
-- TOC entry 5556 (class 0 OID 0)
-- Dependencies: 1127
-- Name: FUNCTION st_asgeojson(geometry, integer, integer); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(geometry, integer, integer) IS 'args: g1,
max_decimal_digits, options - Return the geometry as a GeoJSON element.';

--
-- TOC entry 1382 (class 1255 OID 17289)
-- Name: st_asgeojson(integer, geography, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

```

```

CREATE FUNCTION st_asgeojson(integer, geography, integer, integer) RETURNS
text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGeoJson($1, $2, $3, $4)$$_$;

--
-- TOC entry 5557 (class 0 OID 0)
-- Dependencies: 1382
-- Name: FUNCTION st_asgeojson(integer, geography, integer, integer); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(integer, geography, integer, integer) IS
'args: gj_version, g1, max_decimal_digits, options - Return the geometry as a GeoJSON
element.';

--
-- TOC entry 1128 (class 1255 OID 16999)
-- Name: st_asgeojson(integer, geometry, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION st_asgeojson(integer, geometry, integer, integer) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGeoJson($1, $2, $3, $4)$$_$;

--
-- TOC entry 5558 (class 0 OID 0)
-- Dependencies: 1128
-- Name: FUNCTION st_asgeojson(integer, geometry, integer, integer); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgeojson(integer, geometry, integer, integer) IS
'args: gj_version, g1, max_decimal_digits, options - Return the geometry as a GeoJSON
element.';

--
-- TOC entry 1363 (class 1255 OID 17270)
-- Name: st_asgml(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asgml(geography) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGML(2, $1, 15, 0)$$_$;

--
-- TOC entry 5559 (class 0 OID 0)
-- Dependencies: 1363
-- Name: FUNCTION st_asgml(geography); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgml(geography) IS 'args: g1 - Return the geometry as
a GML version 2 or 3 element.';

--
-- TOC entry 1109 (class 1255 OID 16980)
-- Name: st_asgml(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asgml(geometry) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT _ST_AsGML(2, $1, 15, 0)$$_$;

```

```

--
-- TOC entry 5560 (class 0 OID 0)
-- Dependencies: 1109
-- Name: FUNCTION st_asgml(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgml(geometry) IS 'args: g1 - Return the geometry as a
GML version 2 or 3 element.';

--
-- TOC entry 1364 (class 1255 OID 17271)
-- Name: st_asgml(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asgml(text) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT ST_AsGML($1::geometry); $$;

--
-- TOC entry 1365 (class 1255 OID 17272)
-- Name: st_asgml(integer, geography); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_asgml(integer, geography) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT _ST_AsGML($1, $2, 15, 0)$$;

--
-- TOC entry 5561 (class 0 OID 0)
-- Dependencies: 1365
-- Name: FUNCTION st_asgml(integer, geography); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_asgml(integer, geography) IS 'args: version, g1 -
Return the geometry as a GML version 2 or 3 element.';

--
-- TOC entry 1110 (class 1255 OID 16981)
-- Name: st_asgml(integer, geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asgml(integer, geometry) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT _ST_AsGML($1, $2, 15, 0)$$;

--
-- TOC entry 5562 (class 0 OID 0)
-- Dependencies: 1110
-- Name: FUNCTION st_asgml(integer, geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_asgml(integer, geometry) IS 'args: version, g1 - Return
the geometry as a GML version 2 or 3 element.';

--
-- TOC entry 1362 (class 1255 OID 17269)
-- Name: st_asgml(geography, integer); Type: FUNCTION; Schema: public; Owner:
-
--

```

```

CREATE FUNCTION st_asgml(geography, integer) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT _ST_AsGML(2, $1, $2, 0)$$_$;

--
-- TOC entry 5563 (class 0 OID 0)
-- Dependencies: 1362
-- Name: FUNCTION st_asgml(geography, integer); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_asgml(geography, integer) IS 'args: g1, precision -
Return the geometry as a GML version 2 or 3 element.';

--
-- TOC entry 1107 (class 1255 OID 16978)
-- Name: st_asgml(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_asgml(geometry, integer) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT _ST_AsGML(2, $1, $2, 0)$$_$;

--
-- TOC entry 5564 (class 0 OID 0)
-- Dependencies: 1107
-- Name: FUNCTION st_asgml(geometry, integer); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_asgml(geometry, integer) IS 'args: g1, precision -
Return the geometry as a GML version 2 or 3 element.';

--
-- TOC entry 1366 (class 1255 OID 17273)
-- Name: st_asgml(integer, geography, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_asgml(integer, geography, integer) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT _ST_AsGML($1, $2, $3, 0)$$_$;

--
-- TOC entry 5565 (class 0 OID 0)
-- Dependencies: 1366
-- Name: FUNCTION st_asgml(integer, geography, integer); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgml(integer, geography, integer) IS 'args: version,
g1, precision - Return the geometry as a GML version 2 or 3 element.';

--
-- TOC entry 1111 (class 1255 OID 16982)
-- Name: st_asgml(integer, geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_asgml(integer, geometry, integer) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT _ST_AsGML($1, $2, $3, 0)$$_$;

```



```

--
-- TOC entry 5566 (class 0 OID 0)
-- Dependencies: 1111
-- Name: FUNCTION st_asgml(integer, geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_asgml(integer, geometry, integer) IS 'args: version,
g1, precision - Return the geometry as a GML version 2 or 3 element.';

--
-- TOC entry 1367 (class 1255 OID 17274)
-- Name: st_asgml(geography, integer, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_asgml(geography, integer, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT _ST_AsGML(2, $1, $2, $3)$_$;

--
-- TOC entry 1112 (class 1255 OID 16983)
-- Name: st_asgml(geometry, integer, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_asgml(geometry, integer, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT _ST_AsGML(2, $1, $2, $3)$_$;

--
-- TOC entry 1368 (class 1255 OID 17275)
-- Name: st_asgml(integer, geography, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION st_asgml(integer, geography, integer, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT _ST_AsGML($1, $2, $3, $4)$_$;

--
-- TOC entry 5567 (class 0 OID 0)
-- Dependencies: 1368
-- Name: FUNCTION st_asgml(integer, geography, integer, integer); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgml(integer, geography, integer, integer) IS 'args:
version, g1, precision, options - Return the geometry as a GML version 2 or 3
element.';

--
-- TOC entry 1113 (class 1255 OID 16984)
-- Name: st_asgml(integer, geometry, integer, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION st_asgml(integer, geometry, integer, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT _ST_AsGML($1, $2, $3, $4)$_$;

--
-- TOC entry 5568 (class 0 OID 0)

```

```

-- Dependencies: 1113
-- Name: FUNCTION st_asgml(integer, geometry, integer, integer); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_asgml(integer, geometry, integer, integer) IS 'args:
version, g1, precision, options - Return the geometry as a GML version 2 or 3
element.';

--
-- TOC entry 855 (class 1255 OID 16671)
-- Name: st_ashexewkb(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_ashexewkb(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_asHEXEWKB';

--
-- TOC entry 5569 (class 0 OID 0)
-- Dependencies: 855
-- Name: FUNCTION st_ashexewkb(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_ashexewkb(geometry) IS 'args: g1 - Returns a Geometry
in HEXEWKB format (as text) using either little-endian (NDR) or big-endian (XDR)
encoding.';

--
-- TOC entry 857 (class 1255 OID 16673)
-- Name: st_ashexewkb(geometry, text); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_ashexewkb(geometry, text) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_asHEXEWKB';

--
-- TOC entry 5570 (class 0 OID 0)
-- Dependencies: 857
-- Name: FUNCTION st_ashexewkb(geometry, text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_ashexewkb(geometry, text) IS 'args: g1, NDRorXDR -
Returns a Geometry in HEXEWKB format (as text) using either little-endian (NDR) or
big-endian (XDR) encoding.';

--
-- TOC entry 1371 (class 1255 OID 17278)
-- Name: st_askml(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_askml(geography) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT _ST_AskKML(2, $1, 15)$$_;

--
-- TOC entry 5571 (class 0 OID 0)
-- Dependencies: 1371
-- Name: FUNCTION st_askml(geography); Type: COMMENT; Schema: public; Owner: -
--

```

```
COMMENT ON FUNCTION st_askml(geography) IS 'args: g1 - Return the geometry as a KML element. Several variants. Default version=2, default precision=15';
```

```
--  
-- TOC entry 1119 (class 1255 OID 16990)  
-- Name: st_askml(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_askml(geometry) RETURNS text  
LANGUAGE sql IMMUTABLE STRICT  
AS $$SELECT _ST_AskKML(2, ST_Transform($1,4326), 15)$$;
```

```
--  
-- TOC entry 5572 (class 0 OID 0)  
-- Dependencies: 1119  
-- Name: FUNCTION st_askml(geometry); Type: COMMENT; Schema: public; Owner: -  
--
```

```
COMMENT ON FUNCTION st_askml(geometry) IS 'args: g1 - Return the geometry as a KML element. Several variants. Default version=2, default precision=15';
```

```
--  
-- TOC entry 1372 (class 1255 OID 17279)  
-- Name: st_askml(text); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_askml(text) RETURNS text  
LANGUAGE sql IMMUTABLE STRICT  
AS $$ SELECT ST_AskKML($1::geometry); $$;
```

```
--  
-- TOC entry 1373 (class 1255 OID 17280)  
-- Name: st_askml(integer, geography); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_askml(integer, geography) RETURNS text  
LANGUAGE sql IMMUTABLE STRICT  
AS $$SELECT _ST_AskKML($1, $2, 15)$$;
```

```
--  
-- TOC entry 5573 (class 0 OID 0)  
-- Dependencies: 1373  
-- Name: FUNCTION st_askml(integer, geography); Type: COMMENT; Schema: public;  
Owner: -  
--
```

```
COMMENT ON FUNCTION st_askml(integer, geography) IS 'args: version, geom1 - Return the geometry as a KML element. Several variants. Default version=2, default precision=15';
```

```
--  
-- TOC entry 1120 (class 1255 OID 16991)  
-- Name: st_askml(integer, geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_askml(integer, geometry) RETURNS text  
LANGUAGE sql IMMUTABLE STRICT  
AS $$SELECT _ST_AskKML($1, ST_Transform($2,4326), 15)$$;
```

```
--  
-- TOC entry 5574 (class 0 OID 0)
```

```

-- Dependencies: 1120
-- Name: FUNCTION st_askml(integer, geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_askml(integer, geometry) IS 'args: version, geom1 -
Return the geometry as a KML element. Several variants. Default version=2, default
precision=15';

--
-- TOC entry 1370 (class 1255 OID 17277)
-- Name: st_askml(geography, integer); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_askml(geography, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT _ST_AskKML(2, $1, $2)$$_$;

--
-- TOC entry 5575 (class 0 OID 0)
-- Dependencies: 1370
-- Name: FUNCTION st_askml(geography, integer); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_askml(geography, integer) IS 'args: g1, precision -
Return the geometry as a KML element. Several variants. Default version=2, default
precision=15';

--
-- TOC entry 1116 (class 1255 OID 16987)
-- Name: st_askml(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_askml(geometry, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT _ST_AskKML(2, ST_Transform($1,4326), $2)$$_$;

--
-- TOC entry 5576 (class 0 OID 0)
-- Dependencies: 1116
-- Name: FUNCTION st_askml(geometry, integer); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_askml(geometry, integer) IS 'args: g1, precision -
Return the geometry as a KML element. Several variants. Default version=2, default
precision=15';

--
-- TOC entry 1374 (class 1255 OID 17281)
-- Name: st_askml(integer, geography, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_askml(integer, geography, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT _ST_AskKML($1, $2, $3)$$_$;

--
-- TOC entry 5577 (class 0 OID 0)
-- Dependencies: 1374
-- Name: FUNCTION st_askml(integer, geography, integer); Type: COMMENT;
Schema: public; Owner: -

```

```

--

COMMENT ON FUNCTION st_askml(integer, geography, integer) IS 'args: version,
geom1, precision - Return the geometry as a KML element. Several variants. Default
version=2, default precision=15';

--
-- TOC entry 1121 (class 1255 OID 16992)
-- Name: st_askml(integer, geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_askml(integer, geometry, integer) RETURNS text
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT _ST_AskKML($1, ST_Transform($2,4326), $3)$$_$;

--
-- TOC entry 5578 (class 0 OID 0)
-- Dependencies: 1121
-- Name: FUNCTION st_askml(integer, geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_askml(integer, geometry, integer) IS 'args: version,
geom1, precision - Return the geometry as a KML element. Several variants. Default
version=2, default precision=15';

--
-- TOC entry 1359 (class 1255 OID 17266)
-- Name: st_assvg(geography); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_assvg(geography) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_as_svg';

--
-- TOC entry 5579 (class 0 OID 0)
-- Dependencies: 1359
-- Name: FUNCTION st_assvg(geography); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_assvg(geography) IS 'args: g1 - Returns a Geometry in
SVG path data given a geometry or geography object.';

--
-- TOC entry 1104 (class 1255 OID 16975)
-- Name: st_assvg(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_assvg(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'assvg_geometry';

--
-- TOC entry 5580 (class 0 OID 0)
-- Dependencies: 1104
-- Name: FUNCTION st_assvg(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_assvg(geometry) IS 'args: g1 - Returns a Geometry in
SVG path data given a geometry or geography object.';

```

```

--
-- TOC entry 1360 (class 1255 OID 17267)
-- Name: st_assvg(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_assvg(text) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $$ SELECT ST_AsSVG($1::geometry); $$;

--
-- TOC entry 1358 (class 1255 OID 17265)
-- Name: st_assvg(geography, integer); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_assvg(geography, integer) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geography_as_svg';

--
-- TOC entry 5581 (class 0 OID 0)
-- Dependencies: 1358
-- Name: FUNCTION st_assvg(geography, integer); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_assvg(geography, integer) IS 'args: g1, rel - Returns a
Geometry in SVG path data given a geometry or geography object.';

--
-- TOC entry 1102 (class 1255 OID 16973)
-- Name: st_assvg(geometry, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_assvg(geometry, integer) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'assvg_geometry';

--
-- TOC entry 5582 (class 0 OID 0)
-- Dependencies: 1102
-- Name: FUNCTION st_assvg(geometry, integer); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_assvg(geometry, integer) IS 'args: g1, rel - Returns a
Geometry in SVG path data given a geometry or geography object.';

--
-- TOC entry 1357 (class 1255 OID 17264)
-- Name: st_assvg(geography, integer, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_assvg(geography, integer, integer) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geography_as_svg';

--
-- TOC entry 5583 (class 0 OID 0)
-- Dependencies: 1357
-- Name: FUNCTION st_assvg(geography, integer, integer); Type: COMMENT;
Schema: public; Owner: -
--

```

```
COMMENT ON FUNCTION st_assvg(geography, integer, integer) IS 'args: g1, rel,
maxdecimaldigits - Returns a Geometry in SVG path data given a geometry or geography
object.';
```

```
--
-- TOC entry 1100 (class 1255 OID 16971)
-- Name: st_assvg(geometry, integer, integer); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_assvg(geometry, integer, integer) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'assvg_geometry';
```

```
--
-- TOC entry 5584 (class 0 OID 0)
-- Dependencies: 1100
-- Name: FUNCTION st_assvg(geometry, integer, integer); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_assvg(geometry, integer, integer) IS 'args: g1, rel,
maxdecimaldigits - Returns a Geometry in SVG path data given a geometry or geography
object.';
```

```
--
-- TOC entry 1329 (class 1255 OID 17205)
-- Name: st_astext(geography); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_astext(geography) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geography_as_text';
```

```
--
-- TOC entry 5585 (class 0 OID 0)
-- Dependencies: 1329
-- Name: FUNCTION st_astext(geography); Type: COMMENT; Schema: public; Owner:
-
--
```

```
COMMENT ON FUNCTION st_astext(geography) IS 'args: g1 - Return the Well-Known
Text (WKT) representation of the geometry/geography without SRID metadata.';
```

```
--
-- TOC entry 1176 (class 1255 OID 17047)
-- Name: st_astext(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_astext(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_asText';
```

```
--
-- TOC entry 5586 (class 0 OID 0)
-- Dependencies: 1176
-- Name: FUNCTION st_astext(geometry); Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_astext(geometry) IS 'args: g1 - Return the Well-Known
Text (WKT) representation of the geometry/geography without SRID metadata.';
```

```

--
-- TOC entry 1330 (class 1255 OID 17206)
-- Name: st_astext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_astext(text) RETURNS text
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$ SELECT ST_AsText($1::geometry); $_$;

--
-- TOC entry 816 (class 1255 OID 16632)
-- Name: st_azimuth(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_azimuth(geometry, geometry) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_azimuth';

--
-- TOC entry 5587 (class 0 OID 0)
-- Dependencies: 816
-- Name: FUNCTION st_azimuth(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_azimuth(geometry, geometry) IS 'args: pointA, pointB -
Returns the angle in radians from the horizontal of the vector defined by pointA and
pointB';

--
-- TOC entry 1295 (class 1255 OID 17164)
-- Name: st_bdmpolyfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_bdmpolyfromtext(text, integer) RETURNS geometry
  LANGUAGE plpgsql IMMUTABLE STRICT
  AS $_$
DECLARE
  geomtext alias for $1;
  srid alias for $2;
  mline geometry;
  geom geometry;
BEGIN
  mline := ST_MultiLineStringFromText(geomtext, srid);

  IF mline IS NULL
  THEN
    RAISE EXCEPTION 'Input is not a MultiLinestring';
  END IF;

  geom := multi(ST_BuildArea(mline));

  RETURN geom;
END;
$_$;

--
-- TOC entry 5588 (class 0 OID 0)
-- Dependencies: 1295
-- Name: FUNCTION st_bdmpolyfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

```



```
COMMENT ON FUNCTION st_bdmpolyfromtext(text, integer) IS 'args: WKT, srid -
Construct a MultiPolygon given an arbitrary collection of closed linestrings as a
MultiLineString text representation Well-Known text representation.';
```

```
--
-- TOC entry 1293 (class 1255 OID 17162)
-- Name: st_bdmpolyfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_bdmpolyfromtext(text, integer) RETURNS geometry
LANGUAGE plpgsql IMMUTABLE STRICT
AS $_$
DECLARE
    geomtext alias for $1;
    srid alias for $2;
    mline geometry;
    geom geometry;
BEGIN
    mline := ST_MultiLineStringFromText(geomtext, srid);

    IF mline IS NULL
    THEN
        RAISE EXCEPTION 'Input is not a MultiLineString';
    END IF;

    geom := ST_BuildArea(mline);

    IF GeometryType(geom) != 'POLYGON'
    THEN
        RAISE EXCEPTION 'Input returns more than a single polygon, try
using BdMPolyFromText instead';
    END IF;

    RETURN geom;
END;
$_$;
```

```
--
-- TOC entry 5589 (class 0 OID 0)
-- Dependencies: 1293
-- Name: FUNCTION st_bdmpolyfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_bdmpolyfromtext(text, integer) IS 'args: WKT, srid -
Construct a Polygon given an arbitrary collection of closed linestrings as a
MultiLineString Well-Known text representation.';
```

```
--
-- TOC entry 1030 (class 1255 OID 16886)
-- Name: st_boundary(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_boundary(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'boundary';
```

```
--
-- TOC entry 5590 (class 0 OID 0)
-- Dependencies: 1030
-- Name: FUNCTION st_boundary(geometry); Type: COMMENT; Schema: public; Owner:
-
--
```

```
COMMENT ON FUNCTION st_boundary(geometry) IS 'args: geomA - Returns the
closure of the combinatorial boundary of this Geometry.';
```

```
--
-- TOC entry 968 (class 1255 OID 16802)
-- Name: st_box(box3d); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_box(box3d) RETURNS box
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_BOX';
```

```
--
-- TOC entry 965 (class 1255 OID 16799)
-- Name: st_box(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_box(geometry) RETURNS box
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX';
```

```
--
-- TOC entry 966 (class 1255 OID 16800)
-- Name: st_box2d(box3d); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_box2d(box3d) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_BOX2DFLOAT4';
```

```
--
-- TOC entry 930 (class 1255 OID 16811)
-- Name: st_box2d(box3d_extent); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_box2d(box3d_extent) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_to_BOX2DFLOAT4';
```

```
--
-- TOC entry 963 (class 1255 OID 16797)
-- Name: st_box2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_box2d(geometry) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX2DFLOAT4';
```

```
--
-- TOC entry 699 (class 1255 OID 16468)
-- Name: st_box2d_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_box2d_in(cstring) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_in';
```

```
--
-- TOC entry 700 (class 1255 OID 16469)
-- Name: st_box2d_out(box2d); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_box2d_out(box2d) RETURNS cstring
LANGUAGE c IMMUTABLE STRICT
```

```

AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_out';

--
-- TOC entry 967 (class 1255 OID 16801)
-- Name: st_box3d(box2d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_box3d(box2d) RETURNS box3d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_to_BOX3D';

--
-- TOC entry 964 (class 1255 OID 16798)
-- Name: st_box3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_box3d(geometry) RETURNS box3d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_BOX3D';

--
-- TOC entry 929 (class 1255 OID 16810)
-- Name: st_box3d_extent(box3d_extent); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_box3d_extent(box3d_extent) RETURNS box3d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_extent_to_BOX3D';

--
-- TOC entry 675 (class 1255 OID 16437)
-- Name: st_box3d_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_box3d_in(cstring) RETURNS box3d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_in';

--
-- TOC entry 676 (class 1255 OID 16438)
-- Name: st_box3d_out(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_box3d_out(box3d) RETURNS cstring
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_out';

--
-- TOC entry 1408 (class 1255 OID 17315)
-- Name: st_buffer(geography, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_buffer(geography, double precision) RETURNS geography
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT geography(ST_Transform(ST_Buffer(ST_Transform(geometry($1),
_ST_BestSRID($1)), $2), 4326))$_$;

--
-- TOC entry 5591 (class 0 OID 0)
-- Dependencies: 1408

```

```

-- Name: FUNCTION st_buffer(geography, double precision); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_buffer(geography, double precision) IS 'args: g1,
radius_of_buffer_in_meters - (T) For geometry: Returns a geometry that represents all
points whose distance from this Geometry is less than or equal to distance.
Calculations are in the Spatial Reference System of this Geometry. For geography:
Uses a planar transform wrapper. Introduced in 1.5 support for different end cap and
mitre settings to control shape. buffer_style options:
quad_segs=#,endcap=round|flat|square,join=round|mitre|bevel,mitre_limit=#.#';

--
-- TOC entry 1013 (class 1255 OID 16869)
-- Name: st_buffer(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_buffer(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'buffer';

--
-- TOC entry 5592 (class 0 OID 0)
-- Dependencies: 1013
-- Name: FUNCTION st_buffer(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_buffer(geometry, double precision) IS 'args: g1,
radius_of_buffer - (T) For geometry: Returns a geometry that represents all points
whose distance from this Geometry is less than or equal to distance. Calculations are
in the Spatial Reference System of this Geometry. For geography: Uses a planar
transform wrapper. Introduced in 1.5 support for different end cap and mitre settings
to control shape. buffer_style options:
quad_segs=#,endcap=round|flat|square,join=round|mitre|bevel,mitre_limit=#.#';

--
-- TOC entry 1409 (class 1255 OID 17316)
-- Name: st_buffer(text, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_buffer(text, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT ST_Buffer($1::geometry, $2); $$;

--
-- TOC entry 1015 (class 1255 OID 16871)
-- Name: st_buffer(geometry, double precision, integer); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION st_buffer(geometry, double precision, integer) RETURNS
geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT _ST_Buffer($1, $2,
CAST('quad_segs='||CAST($3 AS text) as cstring))
$$;

--
-- TOC entry 5593 (class 0 OID 0)
-- Dependencies: 1015
-- Name: FUNCTION st_buffer(geometry, double precision, integer); Type:
COMMENT; Schema: public; Owner: -
--

```

```
COMMENT ON FUNCTION st_buffer(geometry, double precision, integer) IS 'args:
g1, radius_of_buffer, num_seg_quarter_circle - (T) For geometry: Returns a geometry
that represents all points whose distance from this Geometry is less than or equal to
distance. Calculations are in the Spatial Reference System of this Geometry. For
geography: Uses a planar transform wrapper. Introduced in 1.5 support for different
end cap and mitre settings to control shape. buffer_style options:
quad_segs=#,endcap=round|flat|square,join=round|mitre|bevel,mitre_limit=#.#';
```

```
--
-- TOC entry 1016 (class 1255 OID 16872)
-- Name: st_buffer(geometry, double precision, text); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_buffer(geometry, double precision, text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT _ST_Buffer($1, $2,
CAST( regexp_replace($3, '^[0123456789]+$ ',
'quad_segs='||$3) AScstring)
)
$$;
```

```
--
-- TOC entry 5594 (class 0 OID 0)
-- Dependencies: 1016
-- Name: FUNCTION st_buffer(geometry, double precision, text); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_buffer(geometry, double precision, text) IS 'args: g1,
radius_of_buffer, buffer_style_parameters - (T) For geometry: Returns a geometry that
represents all points whose distance from this Geometry is less than or equal to
distance. Calculations are in the Spatial Reference System of this Geometry. For
geography: Uses a planar transform wrapper. Introduced in 1.5 support for different
end cap and mitre settings to control shape. buffer_style options:
quad_segs=#,endcap=round|flat|square,join=round|mitre|bevel,mitre_limit=#.#';
```

```
--
-- TOC entry 898 (class 1255 OID 16714)
-- Name: st_buildarea(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_buildarea(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_buildarea';
```

```
--
-- TOC entry 5595 (class 0 OID 0)
-- Dependencies: 898
-- Name: FUNCTION st_buildarea(geometry); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_buildarea(geometry) IS 'args: A - Creates an areal
geometry formed by the constituent linework of given geometry';
```

```
--
-- TOC entry 975 (class 1255 OID 16809)
-- Name: st_bytea(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_bytea(geometry) RETURNS bytea
LANGUAGE c IMMUTABLE STRICT
```

```

        AS '$libdir/postgis-1.5', 'LWGEOM_to_bytea';

--
-- TOC entry 1086 (class 1255 OID 16957)
-- Name: st_centroid(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_centroid(geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'centroid';

--
-- TOC entry 5596 (class 0 OID 0)
-- Dependencies: 1086
-- Name: FUNCTION st_centroid(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_centroid(geometry) IS 'args: g1 - Returns the geometric
center of a geometry.';

--
-- TOC entry 697 (class 1255 OID 16465)
-- Name: st_chip_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_chip_in(cstring) RETURNS chip
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'CHIP_in';

--
-- TOC entry 698 (class 1255 OID 16466)
-- Name: st_chip_out(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_chip_out(chip) RETURNS cstring
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'CHIP_out';

--
-- TOC entry 1286 (class 1255 OID 17155)
-- Name: st_closestpoint(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_closestpoint(geometry, geometry) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_closestpoint';

--
-- TOC entry 5597 (class 0 OID 0)
-- Dependencies: 1286
-- Name: FUNCTION st_closestpoint(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_closestpoint(geometry, geometry) IS 'args: g1, g2 -
Returns the 2-dimensional point on g1 that is closest to g2. This is the first point
of the shortest line.';

--
-- TOC entry 1039 (class 1255 OID 16897)
-- Name: st_collect(geometry[]); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION st_collect(geometry[]) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_collect_garray';

--
-- TOC entry 5598 (class 0 OID 0)
-- Dependencies: 1039
-- Name: FUNCTION st_collect(geometry[]); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_collect(geometry[]) IS 'args: g1_array - Return a
specified ST_Geometry value from a collection of other geometries.';

--
-- TOC entry 1038 (class 1255 OID 16894)
-- Name: st_collect(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_collect(geometry, geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'LWGEOM_collect';

--
-- TOC entry 5599 (class 0 OID 0)
-- Dependencies: 1038
-- Name: FUNCTION st_collect(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_collect(geometry, geometry) IS 'args: g1, g2 - Return a
specified ST_Geometry value from a collection of other geometries.';

--
-- TOC entry 829 (class 1255 OID 16645)
-- Name: st_collectionextract(geometry, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_collectionextract(geometry, integer) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'ST_CollectionExtract';

--
-- TOC entry 5600 (class 0 OID 0)
-- Dependencies: 829
-- Name: FUNCTION st_collectionextract(geometry, integer); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_collectionextract(geometry, integer) IS 'args:
collection, type - Given a GEOMETRYCOLLECTION, returns a MULTI* geometry consisting
only of the specified type. Sub-geometries that are not the specified type are
ignored. If there are no sub-geometries of the right type, an EMPTY collection will
be returned. Only points, lines and polygons are supported. Type numbers are 1 ==
POINT, 2 == LINESTRING, 3 == POLYGON.';

--
-- TOC entry 911 (class 1255 OID 16730)
-- Name: st_combine_bbox(box2d, geometry); Type: FUNCTION; Schema: public;
Owner: -

```

```

--
CREATE FUNCTION st_combine_bbox(box2d, geometry) RETURNS box2d
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_combine';

--
-- TOC entry 915 (class 1255 OID 16736)
-- Name: st_combine_bbox(box3d, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_combine_bbox(box3d, geometry) RETURNS box3d
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'BOX3D_combine';

--
-- TOC entry 913 (class 1255 OID 16732)
-- Name: st_combine_bbox(box3d_extent, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_combine_bbox(box3d_extent, geometry) RETURNS box3d_extent
  LANGUAGE c IMMUTABLE
  AS '$libdir/postgis-1.5', 'BOX3D_combine';

--
-- TOC entry 773 (class 1255 OID 16589)
-- Name: st_compression(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_compression(chip) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'CHIP_getCompression';

--
-- TOC entry 1073 (class 1255 OID 16944)
-- Name: st_contains(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_contains(geometry, geometry) RETURNS boolean
  LANGUAGE sql IMMUTABLE
  AS $$SELECT $1 && $2 AND _ST_Contains($1,$2)$_$$;

--
-- TOC entry 5601 (class 0 OID 0)
-- Dependencies: 1073
-- Name: FUNCTION st_contains(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_contains(geometry, geometry) IS 'args: geomA, geomB -
Returns true if and only if no points of B lie in the exterior of A, and at least one
point of the interior of B lies in the interior of A.';

--
-- TOC entry 1079 (class 1255 OID 16950)
-- Name: st_containsproperly(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_containsproperly(geometry, geometry) RETURNS boolean
  LANGUAGE sql IMMUTABLE
  AS $$SELECT $1 && $2 AND _ST_ContainsProperly($1,$2)$_$$;

```



```

--
-- TOC entry 5602 (class 0 OID 0)
-- Dependencies: 1079
-- Name: FUNCTION st_containsproperly(geometry, geometry); Type: COMMENT;
Schema: public; Owner: -
--

```

```

COMMENT ON FUNCTION st_containsproperly(geometry, geometry) IS 'args: geomA,
geomB - Returns true if B intersects the interior of A but not the boundary (or
exterior). A does not contain properly itself, but does contain itself.';

```

```

--
-- TOC entry 1019 (class 1255 OID 16875)
-- Name: st_convexhull(geometry); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION st_convexhull(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'convexhull';

```

```

--
-- TOC entry 5603 (class 0 OID 0)
-- Dependencies: 1019
-- Name: FUNCTION st_convexhull(geometry); Type: COMMENT; Schema: public;
Owner: -
--

```

```

COMMENT ON FUNCTION st_convexhull(geometry) IS 'args: geomA - The convex hull
of a geometry represents the minimum convex geometry that encloses all geometries
within the set.';

```

```

--
-- TOC entry 1314 (class 1255 OID 17180)
-- Name: st_coorddim(geometry); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION st_coorddim(geometry) RETURNS smallint
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_ndims';

```

```

--
-- TOC entry 5604 (class 0 OID 0)
-- Dependencies: 1314
-- Name: FUNCTION st_coorddim(geometry); Type: COMMENT; Schema: public; Owner:
-
--

```

```

COMMENT ON FUNCTION st_coorddim(geometry) IS 'args: geomA - Return the
coordinate dimension of the ST_Geometry value.';

```

```

--
-- TOC entry 1402 (class 1255 OID 17309)
-- Name: st_coveredby(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

```

```

CREATE FUNCTION st_coveredby(geography, geography) RETURNS boolean
LANGUAGE sql IMMUTABLE
AS '$_$_SELECT $1 && $2 AND _ST_Covers($2, $1)$_$_';

```

```

--

```

```

-- TOC entry 5605 (class 0 OID 0)
-- Dependencies: 1402
-- Name: FUNCTION st_coveredby(geography, geography); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_coveredby(geography, geography) IS 'args: geogA, geogB -
Returns 1 (TRUE) if no point in Geometry/Geography A is outside Geometry/Geography
B';

--
-- TOC entry 1075 (class 1255 OID 16946)
-- Name: st_coveredby(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_coveredby(geometry, geometry) RETURNS boolean
LANGUAGE sql IMMUTABLE
AS $$SELECT $1 && $2 AND _ST_CoveredBy($1,$2)$$_;

--
-- TOC entry 5606 (class 0 OID 0)
-- Dependencies: 1075
-- Name: FUNCTION st_coveredby(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_coveredby(geometry, geometry) IS 'args: geomA, geomB -
Returns 1 (TRUE) if no point in Geometry/Geography A is outside Geometry/Geography
B';

--
-- TOC entry 1403 (class 1255 OID 17310)
-- Name: st_coveredby(text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_coveredby(text, text) RETURNS boolean
LANGUAGE sql IMMUTABLE
AS $$ SELECT ST_CoveredBy($1::geometry, $2::geometry); $$;

--
-- TOC entry 1400 (class 1255 OID 17307)
-- Name: st_covers(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_covers(geography, geography) RETURNS boolean
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT $1 && $2 AND _ST_Covers($1, $2)$$_;

--
-- TOC entry 5607 (class 0 OID 0)
-- Dependencies: 1400
-- Name: FUNCTION st_covers(geography, geography); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_covers(geography, geography) IS 'args: geogpolyA,
geogpointB - Returns 1 (TRUE) if no point in Geometry B is outside Geometry A. For
geography: if geography point B is not outside Polygon Geography A';

--
-- TOC entry 1077 (class 1255 OID 16948)
-- Name: st_covers(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-

```

```

--
CREATE FUNCTION st_covers(geometry, geometry) RETURNS boolean
  LANGUAGE sql IMMUTABLE
  AS $$SELECT $1 && $2 AND _ST_Covers($1,$2)$_$$;

--
-- TOC entry 5608 (class 0 OID 0)
-- Dependencies: 1077
-- Name: FUNCTION st_covers(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_covers(geometry, geometry) IS 'args: geomA, geomB -
Returns 1 (TRUE) if no point in Geometry B is outside Geometry A. For geography: if
geography point B is not outside Polygon Geography A';

--
-- TOC entry 1401 (class 1255 OID 17308)
-- Name: st_covers(text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_covers(text, text) RETURNS boolean
  LANGUAGE sql IMMUTABLE
  AS $$SELECT ST_Covers($1::geometry, $2::geometry); $$;

--
-- TOC entry 1067 (class 1255 OID 16938)
-- Name: st_crosses(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_crosses(geometry, geometry) RETURNS boolean
  LANGUAGE sql IMMUTABLE
  AS $$SELECT $1 && $2 AND _ST_Crosses($1,$2)$_$$;

--
-- TOC entry 5609 (class 0 OID 0)
-- Dependencies: 1067
-- Name: FUNCTION st_crosses(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_crosses(geometry, geometry) IS 'args: g1, g2 - Returns
TRUE if the supplied geometries have some, but not all, interior points in common.';

--
-- TOC entry 1413 (class 1255 OID 17320)
-- Name: st_curvetoline(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_curvetoline(geometry) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $$SELECT ST_CurveToLine($1, 32)$_$$;

--
-- TOC entry 5610 (class 0 OID 0)
-- Dependencies: 1413
-- Name: FUNCTION st_curvetoline(geometry); Type: COMMENT; Schema: public;
Owner: -
--

```

```

COMMENT ON FUNCTION st_curvetoline(geometry) IS 'args: curveGeom - Converts a
CIRCULARSTRING/CURVEDPOLYGON to a LINESTRING/POLYGON';

--
-- TOC entry 1412 (class 1255 OID 17319)
-- Name: st_curvetoline(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_curvetoline(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_curve_segmentize';

--
-- TOC entry 5611 (class 0 OID 0)
-- Dependencies: 1412
-- Name: FUNCTION st_curvetoline(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_curvetoline(geometry, integer) IS 'args: curveGeom,
segments_per_qtr_circle - Converts a CIRCULARSTRING/CURVEDPOLYGON to a
LINESTRING/POLYGON';

--
-- TOC entry 771 (class 1255 OID 16587)
-- Name: st_datatype(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_datatype(chip) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_getDatatype';

--
-- TOC entry 1291 (class 1255 OID 17160)
-- Name: st_dfullywithin(geometry, geometry, double precision); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_dfullywithin(geometry, geometry, double precision) RETURNS
boolean
LANGUAGE sql IMMUTABLE
AS $$SELECT $1 && ST_Expand($2,$3) AND $2 && ST_Expand($1,$3) AND
_ST_DFullyWithin(ST_ConvexHull($1), ST_ConvexHull($2), $3)$_$$;

--
-- TOC entry 5612 (class 0 OID 0)
-- Dependencies: 1291
-- Name: FUNCTION st_dfullywithin(geometry, geometry, double precision); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_dfullywithin(geometry, geometry, double precision) IS
'args: g1, g2, distance - Returns true if all of the geometries are within the
specified distance of one another';

--
-- TOC entry 1028 (class 1255 OID 16884)
-- Name: st_difference(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_difference(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'difference';

```

```

--
-- TOC entry 5613 (class 0 OID 0)
-- Dependencies: 1028
-- Name: FUNCTION st_difference(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_difference(geometry, geometry) IS 'args: geomA, geomB -
Returns a geometry that represents that part of geometry A that does not intersect
with geometry B.';

--
-- TOC entry 1138 (class 1255 OID 17009)
-- Name: st_dimension(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_dimension(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_dimension';

--
-- TOC entry 5614 (class 0 OID 0)
-- Dependencies: 1138
-- Name: FUNCTION st_dimension(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_dimension(geometry) IS 'args: g - The inherent
dimension of this Geometry object, which must be less than or equal to the coordinate
dimension.';

--
-- TOC entry 1056 (class 1255 OID 16927)
-- Name: st_disjoint(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_disjoint(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'disjoint';

--
-- TOC entry 5615 (class 0 OID 0)
-- Dependencies: 1056
-- Name: FUNCTION st_disjoint(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_disjoint(geometry, geometry) IS 'args: A, B - Returns
TRUE if the Geometries do not "spatially intersect" - if they do not share any space
together.';

--
-- TOC entry 1386 (class 1255 OID 17293)
-- Name: st_distance(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_distance(geography, geography) RETURNS double precision
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT _ST_Distance($1, $2, 0.0, true)$$_;

```

```

--
-- TOC entry 5616 (class 0 OID 0)
-- Dependencies: 1386
-- Name: FUNCTION st_distance(geography, geography); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_distance(geography, geography) IS 'args: gg1, gg2 - For
geometry type Returns the 2-dimensional cartesian minimum distance (based on spatial
ref) between two geometries in projected units. For geography type defaults to return
spheroidal minimum distance between two geographies in meters.';

--
-- TOC entry 812 (class 1255 OID 16628)
-- Name: st_distance(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_distance(geometry, geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_mindistance2d';

--
-- TOC entry 5617 (class 0 OID 0)
-- Dependencies: 812
-- Name: FUNCTION st_distance(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_distance(geometry, geometry) IS 'args: g1, g2 - For
geometry type Returns the 2-dimensional cartesian minimum distance (based on spatial
ref) between two geometries in projected units. For geography type defaults to return
spheroidal minimum distance between two geographies in meters.';

--
-- TOC entry 1387 (class 1255 OID 17294)
-- Name: st_distance(text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_distance(text, text) RETURNS double precision
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT ST_Distance($1::geometry, $2::geometry); $$;

--
-- TOC entry 1385 (class 1255 OID 17292)
-- Name: st_distance(geography, geography, boolean); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_distance(geography, geography, boolean) RETURNS double
precision
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT _ST_Distance($1, $2, 0.0, $3)$$;

--
-- TOC entry 5618 (class 0 OID 0)
-- Dependencies: 1385
-- Name: FUNCTION st_distance(geography, geography, boolean); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_distance(geography, geography, boolean) IS 'args: gg1,
gg2, use_spheroid - For geometry type Returns the 2-dimensional cartesian minimum
distance (based on spatial ref) between two geometries in projected units. For

```

geography type defaults to return spheroidal minimum distance between two geographies in meters.';

```
--  
-- TOC entry 810 (class 1255 OID 16626)  
-- Name: st_distance_sphere(geometry, geometry); Type: FUNCTION; Schema:  
public; Owner: -  
--
```

```
CREATE FUNCTION st_distance_sphere(geometry, geometry) RETURNS double  
precision  
LANGUAGE c IMMUTABLE STRICT COST 100  
AS '$libdir/postgis-1.5', 'LWGEOM_distance_sphere';
```

```
--  
-- TOC entry 5619 (class 0 OID 0)  
-- Dependencies: 810  
-- Name: FUNCTION st_distance_sphere(geometry, geometry); Type: COMMENT;  
Schema: public; Owner: -  
--
```

```
COMMENT ON FUNCTION st_distance_sphere(geometry, geometry) IS 'args:  
geomlonlatA, geomlonlatB - Returns minimum distance in meters between two lon/lat  
geometries. Uses a spherical earth and radius of 6370986 meters. Faster than  
ST_Distance_Spheroid, but less accurate. PostGIS versions prior to 1.5 only  
implemented for points.';
```

```
--  
-- TOC entry 808 (class 1255 OID 16624)  
-- Name: st_distance_spheroid(geometry, geometry, spheroid); Type: FUNCTION;  
Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_distance_spheroid(geometry, geometry, spheroid) RETURNS  
double precision  
LANGUAGE c IMMUTABLE STRICT COST 100  
AS '$libdir/postgis-1.5', 'LWGEOM_distance_ellipsoid';
```

```
--  
-- TOC entry 5620 (class 0 OID 0)  
-- Dependencies: 808  
-- Name: FUNCTION st_distance_spheroid(geometry, geometry, spheroid); Type:  
COMMENT; Schema: public; Owner: -  
--
```

```
COMMENT ON FUNCTION st_distance_spheroid(geometry, geometry, spheroid) IS  
'args: geomlonlatA, geomlonlatB, measurement_spheroid - Returns the minimum distance  
between two lon/lat geometries given a particular spheroid. PostGIS versions prior to  
1.5 only support points.';
```

```
--  
-- TOC entry 905 (class 1255 OID 16724)  
-- Name: st_dump(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_dump(geometry) RETURNS SETOF geometry_dump  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'LWGEOM_dump';
```

```
--  
-- TOC entry 5621 (class 0 OID 0)  
-- Dependencies: 905  
-- Name: FUNCTION st_dump(geometry); Type: COMMENT; Schema: public; Owner: -
```

```

--
COMMENT ON FUNCTION st_dump(geometry) IS 'args: g1 - Returns a set of
geometry_dump (geom,path) rows, that make up a geometry g1.';

--
-- TOC entry 909 (class 1255 OID 16728)
-- Name: st_dumppoints(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_dumppoints(geometry) RETURNS SETOF geometry_dump
LANGUAGE sql STRICT
AS $_$
SELECT * FROM _ST_DumpPoints($1, NULL);
$_$;

--
-- TOC entry 5622 (class 0 OID 0)
-- Dependencies: 909
-- Name: FUNCTION st_dumppoints(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_dumppoints(geometry) IS 'args: geom - Returns a set of
geometry_dump (geom,path) rows of all points that make up a geometry.';

--
-- TOC entry 907 (class 1255 OID 16726)
-- Name: st_dumprings(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_dumprings(geometry) RETURNS SETOF geometry_dump
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_dump_rings';

--
-- TOC entry 5623 (class 0 OID 0)
-- Dependencies: 907
-- Name: FUNCTION st_dumprings(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_dumprings(geometry) IS 'args: a_polygon - Returns a set
of geometry_dump rows, representing the exterior and interior rings of a polygon.';

--
-- TOC entry 1390 (class 1255 OID 17297)
-- Name: st_dwithin(geography, geography, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION st_dwithin(geography, geography, double precision) RETURNS
boolean
LANGUAGE sql IMMUTABLE
AS $_$SELECT $1 && _ST_Expand($2,$3) AND $2 && _ST_Expand($1,$3) AND
_ST_DWithin($1, $2, $3, true)$_$;

--
-- TOC entry 5624 (class 0 OID 0)
-- Dependencies: 1390
-- Name: FUNCTION st_dwithin(geography, geography, double precision); Type:
COMMENT; Schema: public; Owner: -
--

```



```
COMMENT ON FUNCTION st_dwithin(geography, geography, double precision) IS
'args: gg1, gg2, distance_meters - Returns true if the geometries are within the
specified distance of one another. For geometry units are in those of spatial
reference and For geography units are in meters and measurement is defaulted to
use_spheroid=true (measure around spheroid), for faster check, use_spheroid=false to
measure along sphere.';
```

```
--
-- TOC entry 1061 (class 1255 OID 16932)
-- Name: st_dwithin(geometry, geometry, double precision); Type: FUNCTION;
Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_dwithin(geometry, geometry, double precision) RETURNS
boolean
LANGUAGE sql IMMUTABLE
AS $$SELECT $1 && ST_Expand($2,$3) AND $2 && ST_Expand($1,$3) AND
_ST_DWithin($1, $2, $3)$$;
```

```
--
-- TOC entry 5625 (class 0 OID 0)
-- Dependencies: 1061
-- Name: FUNCTION st_dwithin(geometry, geometry, double precision); Type:
COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_dwithin(geometry, geometry, double precision) IS 'args:
g1, g2, distance_of_srid - Returns true if the geometries are within the specified
distance of one another. For geometry units are in those of spatial reference and For
geography units are in meters and measurement is defaulted to use_spheroid=true
(measure around spheroid), for faster check, use_spheroid=false to measure along
sphere.';
```

```
--
-- TOC entry 1391 (class 1255 OID 17298)
-- Name: st_dwithin(text, text, double precision); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_dwithin(text, text, double precision) RETURNS boolean
LANGUAGE sql IMMUTABLE
AS $$ SELECT ST_DWithin($1::geometry, $2::geometry, $3); $$;
```

```
--
-- TOC entry 1389 (class 1255 OID 17296)
-- Name: st_dwithin(geography, geography, double precision, boolean); Type:
FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_dwithin(geography, geography, double precision, boolean)
RETURNS boolean
LANGUAGE sql IMMUTABLE
AS $$SELECT $1 && _ST_Expand($2,$3) AND $2 && _ST_Expand($1,$3) AND
_ST_DWithin($1, $2, $3, $4)$$;
```

```
--
-- TOC entry 5626 (class 0 OID 0)
-- Dependencies: 1389
-- Name: FUNCTION st_dwithin(geography, geography, double precision, boolean);
Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_dwithin(geography, geography, double precision,
boolean) IS 'args: gg1, gg2, distance_meters, use_spheroid - Returns true if the
```

geometries are within the specified distance of one another. For geometry units are in those of spatial reference and For geography units are in meters and measurement is defaulted to use_spheroid=true (measure around spheroid), for faster check, use_spheroid=false to measure along sphere.');

```
--  
-- TOC entry 1162 (class 1255 OID 17033)  
-- Name: st_endpoint(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_endpoint(geometry) RETURNS geometry  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'LWGEOM_endpoint_linestring';
```

```
--  
-- TOC entry 5627 (class 0 OID 0)  
-- Dependencies: 1162  
-- Name: FUNCTION st_endpoint(geometry); Type: COMMENT; Schema: public; Owner:  
-
```

```
--  
COMMENT ON FUNCTION st_endpoint(geometry) IS 'args: g - Returns the last point  
of a LINESTRING geometry as a POINT.';
```

```
--  
-- TOC entry 839 (class 1255 OID 16655)  
-- Name: st_envelope(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_envelope(geometry) RETURNS geometry  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'LWGEOM_envelope';
```

```
--  
-- TOC entry 5628 (class 0 OID 0)  
-- Dependencies: 839  
-- Name: FUNCTION st_envelope(geometry); Type: COMMENT; Schema: public; Owner:  
-
```

```
--  
COMMENT ON FUNCTION st_envelope(geometry) IS 'args: g1 - Returns a geometry  
representing the double precision (float8) bounding box of the supplied geometry.';
```

```
--  
-- TOC entry 1095 (class 1255 OID 16966)  
-- Name: st_equals(geometry, geometry); Type: FUNCTION; Schema: public; Owner:  
-
```

```
CREATE FUNCTION st_equals(geometry, geometry) RETURNS boolean  
LANGUAGE sql IMMUTABLE  
AS $$SELECT $1 && $2 AND _ST_Equals($1,$2)$_$$;
```

```
--  
-- TOC entry 5629 (class 0 OID 0)  
-- Dependencies: 1095  
-- Name: FUNCTION st_equals(geometry, geometry); Type: COMMENT; Schema:  
public; Owner: -  
--
```

```
COMMENT ON FUNCTION st_equals(geometry, geometry) IS 'args: A, B - Returns  
true if the given geometries represent the same geometry. Directionality is  
ignored.';
```

```
--
-- TOC entry 919 (class 1255 OID 16742)
-- Name: st_estimated_extent(text, text); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_estimated_extent(text, text) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT SECURITY DEFINER
AS '$libdir/postgis-1.5', 'LWGEOM_estimated_extent';
```

```
--
-- TOC entry 5630 (class 0 OID 0)
-- Dependencies: 919
-- Name: FUNCTION st_estimated_extent(text, text); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_estimated_extent(text, text) IS 'args: table_name,
geocolumn_name - Return the estimated extent of the given spatial table. The
estimated is taken from the geometry columns statistics. The current schema will be
used if not specified.';
```

```
--
-- TOC entry 917 (class 1255 OID 16740)
-- Name: st_estimated_extent(text, text, text); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_estimated_extent(text, text, text) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT SECURITY DEFINER
AS '$libdir/postgis-1.5', 'LWGEOM_estimated_extent';
```

```
--
-- TOC entry 5631 (class 0 OID 0)
-- Dependencies: 917
-- Name: FUNCTION st_estimated_extent(text, text, text); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_estimated_extent(text, text, text) IS 'args:
schema_name, table_name, geocolumn_name - Return the estimated extent of the given
spatial table. The estimated is taken from the geometry columns statistics. The
current schema will be used if not specified.';
```

```
--
-- TOC entry 835 (class 1255 OID 16651)
-- Name: st_expand(box2d, double precision); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_expand(box2d, double precision) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_expand';
```

```
--
-- TOC entry 5632 (class 0 OID 0)
-- Dependencies: 835
-- Name: FUNCTION st_expand(box2d, double precision); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_expand(box2d, double precision) IS 'args: g1,
units_to_expand - Returns bounding box expanded in all directions from the bounding
box of the input geometry. Uses double-precision';
```

```

--
-- TOC entry 833 (class 1255 OID 16649)
-- Name: st_expand(box3d, double precision); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_expand(box3d, double precision) RETURNS box3d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_expand';

--
-- TOC entry 5633 (class 0 OID 0)
-- Dependencies: 833
-- Name: FUNCTION st_expand(box3d, double precision); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_expand(box3d, double precision) IS 'args: g1,
units_to_expand - Returns bounding box expanded in all directions from the bounding
box of the input geometry. Uses double-precision';

--
-- TOC entry 837 (class 1255 OID 16653)
-- Name: st_expand(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_expand(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_expand';

--
-- TOC entry 5634 (class 0 OID 0)
-- Dependencies: 837
-- Name: FUNCTION st_expand(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_expand(geometry, double precision) IS 'args: g1,
units_to_expand - Returns bounding box expanded in all directions from the bounding
box of the input geometry. Uses double-precision';

--
-- TOC entry 1140 (class 1255 OID 17011)
-- Name: st_exteriorring(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_exteriorring(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_exteriorring_polygon';

--
-- TOC entry 5635 (class 0 OID 0)
-- Dependencies: 1140
-- Name: FUNCTION st_exteriorring(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_exteriorring(geometry) IS 'args: a_polygon - Returns a
line string representing the exterior ring of the POLYGON geometry. Return NULL if
the geometry is not a polygon. Will not work with MULTIPOLYGON';

--

```

```

-- TOC entry 767 (class 1255 OID 16583)
-- Name: st_factor(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_factor(chip) RETURNS real
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'CHIP_getFactor';

--

-- TOC entry 923 (class 1255 OID 16746)
-- Name: st_find_extent(text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_find_extent(text, text) RETURNS box2d
  LANGUAGE plpgsql IMMUTABLE STRICT
  AS $_$
DECLARE
  tablename alias for $1;
  columnname alias for $2;
  myrec RECORD;

BEGIN
  FOR myrec IN EXECUTE 'SELECT extent("'" || columnname || "'" ) FROM '" ||
tablename || "'" LOOP
    return myrec.extent;
  END LOOP;
END;
$_$;

--

-- TOC entry 921 (class 1255 OID 16744)
-- Name: st_find_extent(text, text, text); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_find_extent(text, text, text) RETURNS box2d
  LANGUAGE plpgsql IMMUTABLE STRICT
  AS $_$
DECLARE
  schemaname alias for $1;
  tablename alias for $2;
  columnname alias for $3;
  myrec RECORD;

BEGIN
  FOR myrec IN EXECUTE 'SELECT extent("'" || columnname || "'" ) FROM '" ||
schemaname || '"."' || tablename || "'" LOOP
    return myrec.extent;
  END LOOP;
END;
$_$;

--

-- TOC entry 818 (class 1255 OID 16634)
-- Name: st_force_2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_force_2d(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_force_2d';

--

-- TOC entry 5636 (class 0 OID 0)
-- Dependencies: 818

```

```

-- Name: FUNCTION st_force_2d(geometry); Type: COMMENT; Schema: public; Owner:
-
--
COMMENT ON FUNCTION st_force_2d(geometry) IS 'args: geomA - Forces the
geometries into a "2-dimensional mode" so that all output representations will only
have the X and Y coordinates.';

--
-- TOC entry 822 (class 1255 OID 16638)
-- Name: st_force_3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_force_3d(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_force_3dz';

--
-- TOC entry 5637 (class 0 OID 0)
-- Dependencies: 822
-- Name: FUNCTION st_force_3d(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_force_3d(geometry) IS 'args: geomA - Forces the
geometries into XYZ mode. This is an alias for ST_Force_3DZ.';

--
-- TOC entry 824 (class 1255 OID 16640)
-- Name: st_force_3dm(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_force_3dm(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_force_3dm';

--
-- TOC entry 5638 (class 0 OID 0)
-- Dependencies: 824
-- Name: FUNCTION st_force_3dm(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_force_3dm(geometry) IS 'args: geomA - Forces the
geometries into XYM mode.';

--
-- TOC entry 820 (class 1255 OID 16636)
-- Name: st_force_3dz(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_force_3dz(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_force_3dz';

--
-- TOC entry 5639 (class 0 OID 0)
-- Dependencies: 820
-- Name: FUNCTION st_force_3dz(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_force_3dz(geometry) IS 'args: geomA - Forces the
geometries into XYZ mode. This is a synonym for ST_Force_3D.';

```

```

--
-- TOC entry 826 (class 1255 OID 16642)
-- Name: st_force_4d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_force_4d(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_force_4d';

--
-- TOC entry 5640 (class 0 OID 0)
-- Dependencies: 826
-- Name: FUNCTION st_force_4d(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_force_4d(geometry) IS 'args: geomA - Forces the
geometries into XYZM mode.';

--
-- TOC entry 828 (class 1255 OID 16644)
-- Name: st_force_collection(geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_force_collection(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_force_collection';

--
-- TOC entry 5641 (class 0 OID 0)
-- Dependencies: 828
-- Name: FUNCTION st_force_collection(geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_force_collection(geometry) IS 'args: geomA - Converts
the geometry into a GEOMETRYCOLLECTION.';

--
-- TOC entry 843 (class 1255 OID 16659)
-- Name: st_forcerhr(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_forcerhr(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_forcerHR_poly';

--
-- TOC entry 5642 (class 0 OID 0)
-- Dependencies: 843
-- Name: FUNCTION st_forcerhr(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_forcerhr(geometry) IS 'args: g - Forces the orientation
of the vertices in a polygon to follow the Right-Hand-Rule.';

--
-- TOC entry 1332 (class 1255 OID 17208)
-- Name: st_geogfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION st_geogfromtext(text) RETURNS geography
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_from_text';

--
-- TOC entry 5643 (class 0 OID 0)
-- Dependencies: 1332
-- Name: FUNCTION st_geogfromtext(text); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_geogfromtext(text) IS 'args: EWKT - Return a specified
geography value from Well-Known Text representation or extended (WKT).';

--
-- TOC entry 1335 (class 1255 OID 17211)
-- Name: st_geogfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geogfromwkb(bytea) RETURNS geography
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_from_binary';

--
-- TOC entry 5644 (class 0 OID 0)
-- Dependencies: 1335
-- Name: FUNCTION st_geogfromwkb(bytea); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_geogfromwkb(bytea) IS 'args: geom - Creates a geography
instance from a Well-Known Binary geometry representation (WKB) or extended Well
Known Binary (EWKB).';

--
-- TOC entry 1331 (class 1255 OID 17207)
-- Name: st_geographyfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geographyfromtext(text) RETURNS geography
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'geography_from_text';

--
-- TOC entry 5645 (class 0 OID 0)
-- Dependencies: 1331
-- Name: FUNCTION st_geographyfromtext(text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_geographyfromtext(text) IS 'args: EWKT - Return a
specified geography value from Well-Known Text representation or extended (WKT).';

--
-- TOC entry 1130 (class 1255 OID 17001)
-- Name: st_geohash(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geohash(geometry) RETURNS text
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT ST_GeoHash($1, 0)$$_$;

--

```



```

-- TOC entry 5646 (class 0 OID 0)
-- Dependencies: 1130
-- Name: FUNCTION st_geohash(geometry); Type: COMMENT; Schema: public; Owner:
-
--
COMMENT ON FUNCTION st_geohash(geometry) IS 'args: g1 - Return a GeoHash
representation (geohash.org) of the geometry.';

--
--
-- TOC entry 1129 (class 1255 OID 17000)
-- Name: st_geohash(geometry, integer); Type: FUNCTION; Schema: public; Owner:
-
--
CREATE FUNCTION st_geohash(geometry, integer) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'ST_GeoHash';

--
--
-- TOC entry 5647 (class 0 OID 0)
-- Dependencies: 1129
-- Name: FUNCTION st_geohash(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--
COMMENT ON FUNCTION st_geohash(geometry, integer) IS 'args: g1, precision -
Return a GeoHash representation (geohash.org) of the geometry.';

--
--
-- TOC entry 1230 (class 1255 OID 17100)
-- Name: st_geomcollfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION st_geomcollfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE
WHEN geometrytype(ST_GeomFromText($1)) = 'GEOMETRYCOLLECTION'
THEN ST_GeomFromText($1)
ELSE NULL END
$_$;

--
--
-- TOC entry 5648 (class 0 OID 0)
-- Dependencies: 1230
-- Name: FUNCTION st_geomcollfromtext(text); Type: COMMENT; Schema: public;
Owner: -
--
COMMENT ON FUNCTION st_geomcollfromtext(text) IS 'args: WKT - Makes a
collection Geometry from collection WKT with the given SRID. If SRID is not give, it
defaults to -1.';

--
--
-- TOC entry 1228 (class 1255 OID 17098)
-- Name: st_geomcollfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--
CREATE FUNCTION st_geomcollfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE

```

```

        WHEN geometrytype(ST_GeomFromText($1, $2)) = 'GEOMETRYCOLLECTION'
        THEN ST_GeomFromText($1,$2)
        ELSE NULL END
    $_$;

--
-- TOC entry 5649 (class 0 OID 0)
-- Dependencies: 1228
-- Name: FUNCTION st_geomcollfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_geomcollfromtext(text, integer) IS 'args: WKT, srid -
Makes a collection Geometry from collection WKT with the given SRID. If SRID is not
give, it defaults to -1.';

--
-- TOC entry 1282 (class 1255 OID 17151)
-- Name: st_geomcollfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geomcollfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE
WHEN geometrytype(ST_GeomFromWKB($1)) = 'GEOMETRYCOLLECTION'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$;

--
-- TOC entry 1280 (class 1255 OID 17149)
-- Name: st_geomcollfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geomcollfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE
WHEN geometrytype(GeomFromWKB($1, $2)) = 'GEOMETRYCOLLECTION'
THEN GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 974 (class 1255 OID 16808)
-- Name: st_geometry(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry(bytea) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_from_bytea';

--
-- TOC entry 970 (class 1255 OID 16804)
-- Name: st_geometry(box2d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry(box2d) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_to_LWGEOM';

--
-- TOC entry 971 (class 1255 OID 16805)

```

```

-- Name: st_geometry(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry(box3d) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX3D_to_LWGEOM';

--

-- TOC entry 931 (class 1255 OID 16812)
-- Name: st_geometry(box3d_extent); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry(box3d_extent) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX3D_to_LWGEOM';

--

-- TOC entry 973 (class 1255 OID 16807)
-- Name: st_geometry(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry(chip) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'CHIP_to_LWGEOM';

--

-- TOC entry 972 (class 1255 OID 16806)
-- Name: st_geometry(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry(text) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'parse_WKT_lwgeom';

--

-- TOC entry 725 (class 1255 OID 16508)
-- Name: st_geometry_above(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_above(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_above';

--

-- TOC entry 642 (class 1255 OID 16403)
-- Name: st_geometry_analyze(internal); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_geometry_analyze(internal) RETURNS boolean
  LANGUAGE c STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_analyze';

--

-- TOC entry 726 (class 1255 OID 16509)
-- Name: st_geometry_below(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_below(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_below';

```

```

--
-- TOC entry 708 (class 1255 OID 16478)
-- Name: st_geometry_cmp(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_cmp(geometry, geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'lwgeom_cmp';

--
-- TOC entry 727 (class 1255 OID 16510)
-- Name: st_geometry_contain(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_contain(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_contain';

--
-- TOC entry 728 (class 1255 OID 16511)
-- Name: st_geometry_contained(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_contained(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_contained';

--
-- TOC entry 707 (class 1255 OID 16477)
-- Name: st_geometry_eq(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_eq(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'lwgeom_eq';

--
-- TOC entry 706 (class 1255 OID 16476)
-- Name: st_geometry_ge(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_ge(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'lwgeom_ge';

--
-- TOC entry 705 (class 1255 OID 16475)
-- Name: st_geometry_gt(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_gt(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'lwgeom_gt';

--
-- TOC entry 640 (class 1255 OID 16401)
-- Name: st_geometry_in(cstring); Type: FUNCTION; Schema: public; Owner: -

```

```

--
CREATE FUNCTION st_geometry_in(cstring) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_in';

--
-- TOC entry 704 (class 1255 OID 16474)
-- Name: st_geometry_le(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_le(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'lwgeom_le';

--
-- TOC entry 723 (class 1255 OID 16506)
-- Name: st_geometry_left(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_left(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_left';

--
-- TOC entry 703 (class 1255 OID 16473)
-- Name: st_geometry_lt(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_lt(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'lwgeom_lt';

--
-- TOC entry 641 (class 1255 OID 16402)
-- Name: st_geometry_out(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry_out(geometry) RETURNS cstring
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_out';

--
-- TOC entry 721 (class 1255 OID 16504)
-- Name: st_geometry_overabove(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_overabove(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_overabove';

--
-- TOC entry 722 (class 1255 OID 16505)
-- Name: st_geometry_overbelow(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_overbelow(geometry, geometry) RETURNS boolean
  LANGUAGE c IMMUTABLE STRICT

```

```

        AS '$libdir/postgis-1.5', 'LWGEOM_overbelow';

--
-- TOC entry 729 (class 1255 OID 16512)
-- Name: st_geometry_overlap(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_overlap(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overlap';

--
-- TOC entry 719 (class 1255 OID 16502)
-- Name: st_geometry_overleft(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_overleft(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overleft';

--
-- TOC entry 720 (class 1255 OID 16503)
-- Name: st_geometry_overright(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_overright(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_overright';

--
-- TOC entry 643 (class 1255 OID 16404)
-- Name: st_geometry_recv(internal); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometry_recv(internal) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_recv';

--
-- TOC entry 724 (class 1255 OID 16507)
-- Name: st_geometry_right(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_geometry_right(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_right';

--
-- TOC entry 730 (class 1255 OID 16513)
-- Name: st_geometry_same(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometry_same(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_samebox';

--
-- TOC entry 644 (class 1255 OID 16405)
-- Name: st_geometry_send(geometry); Type: FUNCTION; Schema: public; Owner: -

```

```

--
CREATE FUNCTION st_geometry_send(geometry) RETURNS bytea
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_send';

--
-- TOC entry 1178 (class 1255 OID 17049)
-- Name: st_geometryfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geometryfromtext(text) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_from_text';

--
-- TOC entry 5650 (class 0 OID 0)
-- Dependencies: 1178
-- Name: FUNCTION st_geometryfromtext(text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_geometryfromtext(text) IS 'args: WKT - Return a
specified ST_Geometry value from Well-Known Text representation (WKT). This is an
alias name for ST_GeomFromText';

--
-- TOC entry 1180 (class 1255 OID 17051)
-- Name: st_geometryfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometryfromtext(text, integer) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_from_text';

--
-- TOC entry 5651 (class 0 OID 0)
-- Dependencies: 1180
-- Name: FUNCTION st_geometryfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_geometryfromtext(text, integer) IS 'args: WKT, srid -
Return a specified ST_Geometry value from Well-Known Text representation (WKT). This
is an alias name for ST_GeomFromText';

--
-- TOC entry 1136 (class 1255 OID 17007)
-- Name: st_geometryn(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geometryn(geometry, integer) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_geometryn_collection';

--
-- TOC entry 5652 (class 0 OID 0)
-- Dependencies: 1136
-- Name: FUNCTION st_geometryn(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--

```

```
COMMENT ON FUNCTION st_geometryn(geometry, integer) IS 'args: geomA, n -
Return the 1-based Nth geometry if the geometry is a GEOMETRYCOLLECTION, MULTIPOINT,
MULTILINESTRING, MULTICURVE or MULTIPOLYGON. Otherwise, return NULL.';
```

```
--
-- TOC entry 1148 (class 1255 OID 17019)
-- Name: st_geometrytype(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_geometrytype(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geometry_geometrytype';
```

```
--
-- TOC entry 5653 (class 0 OID 0)
-- Dependencies: 1148
-- Name: FUNCTION st_geometrytype(geometry); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_geometrytype(geometry) IS 'args: g1 - Return the
geometry type of the ST_Geometry value.';
```

```
--
-- TOC entry 861 (class 1255 OID 16677)
-- Name: st_geomfromewkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_geomfromewkb(bytea) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOMFromWKB';
```

```
--
-- TOC entry 5654 (class 0 OID 0)
-- Dependencies: 861
-- Name: FUNCTION st_geomfromewkb(bytea); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_geomfromewkb(bytea) IS 'args: EWKB - Return a specified
ST_Geometry value from Extended Well-Known Binary representation (EWKB).';
```

```
--
-- TOC entry 863 (class 1255 OID 16679)
-- Name: st_geomfromewkt(text); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_geomfromewkt(text) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'parse_WKT_lwgeom';
```

```
--
-- TOC entry 5655 (class 0 OID 0)
-- Dependencies: 863
-- Name: FUNCTION st_geomfromewkt(text); Type: COMMENT; Schema: public; Owner:
-
--
```

```
COMMENT ON FUNCTION st_geomfromewkt(text) IS 'args: EWKT - Return a specified
ST_Geometry value from Extended Well-Known Text representation (EWKT).';
```

```
--
-- TOC entry 1096 (class 1255 OID 16967)
```



```

-- Name: st_geomfromgml(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geomfromgml(text) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geom_from_gml';

--
-- TOC entry 5656 (class 0 OID 0)
-- Dependencies: 1096
-- Name: FUNCTION st_geomfromgml(text); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_geomfromgml(text) IS 'args: geomgml - Takes as input
GML representation of geometry and outputs a PostGIS geometry object';

--
-- TOC entry 1098 (class 1255 OID 16969)
-- Name: st_geomfromkml(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geomfromkml(text) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geom_from_kml';

--
-- TOC entry 5657 (class 0 OID 0)
-- Dependencies: 1098
-- Name: FUNCTION st_geomfromkml(text); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_geomfromkml(text) IS 'args: geomkml - Takes as input
KML representation of geometry and outputs a PostGIS geometry object';

--
-- TOC entry 1182 (class 1255 OID 17053)
-- Name: st_geomfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geomfromtext(text) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_from_text';

--
-- TOC entry 5658 (class 0 OID 0)
-- Dependencies: 1182
-- Name: FUNCTION st_geomfromtext(text); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_geomfromtext(text) IS 'args: WKT - Return a specified
ST_Geometry value from Well-Known Text representation (WKT).';

--
-- TOC entry 1184 (class 1255 OID 17055)
-- Name: st_geomfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geomfromtext(text, integer) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT

```

```

        AS '$libdir/postgis-1.5', 'LWGEOM_from_text';

--
-- TOC entry 5659 (class 0 OID 0)
-- Dependencies: 1184
-- Name: FUNCTION st_geomfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_geomfromtext(text, integer) IS 'args: WKT, srid -
Return a specified ST_Geometry value from Well-Known Text representation (WKT).';

--
-- TOC entry 1232 (class 1255 OID 17102)
-- Name: st_geomfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_geomfromwkb(bytea) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_from_WKB';

--
-- TOC entry 5660 (class 0 OID 0)
-- Dependencies: 1232
-- Name: FUNCTION st_geomfromwkb(bytea); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_geomfromwkb(bytea) IS 'args: geom - Makes a geometry
from WKB with the given SRID';

--
-- TOC entry 1234 (class 1255 OID 17104)
-- Name: st_geomfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_geomfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT ST_SetSRID(ST_GeomFromWKB($1), $2)$$_$;

--
-- TOC entry 5661 (class 0 OID 0)
-- Dependencies: 1234
-- Name: FUNCTION st_geomfromwkb(bytea, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_geomfromwkb(bytea, integer) IS 'args: geom, srid -
Makes a geometry from WKB with the given SRID';

--
-- TOC entry 1097 (class 1255 OID 16968)
-- Name: st_gmltosql(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_gmltosql(text) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'geom_from_gml';

--
-- TOC entry 5662 (class 0 OID 0)
-- Dependencies: 1097
-- Name: FUNCTION st_gmltosql(text); Type: COMMENT; Schema: public; Owner: -

```

```

--
COMMENT ON FUNCTION st_gmltosql(text) IS 'args: geomgml - Return a specified
ST_Geometry value from GML representation. This is an alias name for ST_GeomFromGML';

--
-- TOC entry 1414 (class 1255 OID 17321)
-- Name: st_hasarc(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_hasarc(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_has_arc';

--
-- TOC entry 5663 (class 0 OID 0)
-- Dependencies: 1414
-- Name: FUNCTION st_hasarc(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_hasarc(geometry) IS 'args: geomA - Returns true if a
geometry or geometry collection contains a circular string';

--
-- TOC entry 1025 (class 1255 OID 16881)
-- Name: st_hausdorffdistance(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_hausdorffdistance(geometry, geometry) RETURNS double
precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'hausdorffdistance';

--
-- TOC entry 5664 (class 0 OID 0)
-- Dependencies: 1025
-- Name: FUNCTION st_hausdorffdistance(geometry, geometry); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_hausdorffdistance(geometry, geometry) IS 'args: g1, g2
- Returns the Hausdorff distance between two geometries. Basically a measure of how
similar or dissimilar 2 geometries are. Units are in the units of the spatial
reference system of the geometries.';

--
-- TOC entry 1026 (class 1255 OID 16882)
-- Name: st_hausdorffdistance(geometry, geometry, double precision); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_hausdorffdistance(geometry, geometry, double precision)
RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'hausdorffdistancedensify';

--
-- TOC entry 5665 (class 0 OID 0)
-- Dependencies: 1026
-- Name: FUNCTION st_hausdorffdistance(geometry, geometry, double precision);
Type: COMMENT; Schema: public; Owner: -
--

```

```
COMMENT ON FUNCTION st_hausdorffdistance(geometry, geometry, double precision)
IS 'args: g1, g2, densifyFrac - Returns the Hausdorff distance between two
geometries. Basically a measure of how similar or dissimilar 2 geometries are. Units
are in the units of the spatial reference system of the geometries.';
```

```
--
-- TOC entry 765 (class 1255 OID 16581)
-- Name: st_height(chip); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_height(chip) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_getHeight';
```

```
--
-- TOC entry 1146 (class 1255 OID 17017)
-- Name: st_interiorringn(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_interiorringn(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_interiorringn_polygon';
```

```
--
-- TOC entry 5666 (class 0 OID 0)
-- Dependencies: 1146
-- Name: FUNCTION st_interiorringn(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_interiorringn(geometry, integer) IS 'args: a_polygon, n
- Return the Nth interior linestring ring of the polygon geometry. Return NULL if the
geometry is not a polygon or the given N is out of range.';
```

```
--
-- TOC entry 1410 (class 1255 OID 17317)
-- Name: st_intersection(geography, geography); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_intersection(geography, geography) RETURNS geography
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT
geography(ST_Transform(ST_Intersection(ST_Transform(geometry($1), _ST_BestSRID($1,
$2)), ST_Transform(geometry($2), _ST_BestSRID($1, $2))), 4326))$_$;
```

```
--
-- TOC entry 5667 (class 0 OID 0)
-- Dependencies: 1410
-- Name: FUNCTION st_intersection(geography, geography); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_intersection(geography, geography) IS 'args: geogA,
geogB - (T) Returns a geometry that represents the shared portion of geomA and geomB.
The geography implementation does a transform to geometry to do the intersection and
then transform back to WGS84.';
```

```
--
-- TOC entry 1011 (class 1255 OID 16867)
-- Name: st_intersection(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--
```

```

CREATE FUNCTION st_intersection(geometry, geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT COST 100
  AS '$libdir/postgis-1.5', 'intersection';

--
-- TOC entry 5668 (class 0 OID 0)
-- Dependencies: 1011
-- Name: FUNCTION st_intersection(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_intersection(geometry, geometry) IS 'args: geomA, geomB
- (T) Returns a geometry that represents the shared portion of geomA and geomB. The
geography implementation does a transform to geometry to do the intersection and then
transform back to WGS84.';

--
-- TOC entry 1411 (class 1255 OID 17318)
-- Name: st_intersection(text, text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_intersection(text, text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $$ SELECT ST_Intersection($1::geometry, $2::geometry); $$;

--
-- TOC entry 1404 (class 1255 OID 17311)
-- Name: st_intersects(geography, geography); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_intersects(geography, geography) RETURNS boolean
  LANGUAGE sql IMMUTABLE
  AS $$ SELECT $1 && $2 AND _ST_Distance($1, $2, 0.0, false) < 0.00001$$;

--
-- TOC entry 5669 (class 0 OID 0)
-- Dependencies: 1404
-- Name: FUNCTION st_intersects(geography, geography); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_intersects(geography, geography) IS 'args: geogA, geogB
- Returns TRUE if the Geometries/Geography "spatially intersect" - (share any portion
of space) and FALSE if they dont (they are Disjoint). For geography -- tolerance is
0.00001 meters (so any points that close are considered to intersect)';

--
-- TOC entry 1064 (class 1255 OID 16935)
-- Name: st_intersects(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_intersects(geometry, geometry) RETURNS boolean
  LANGUAGE sql IMMUTABLE
  AS $$ SELECT $1 && $2 AND _ST_Intersects($1,$2)$$;

--
-- TOC entry 5670 (class 0 OID 0)
-- Dependencies: 1064
-- Name: FUNCTION st_intersects(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -

```

```
--  
  
COMMENT ON FUNCTION st_intersects(geometry, geometry) IS 'args: geomA, geomB -  
Returns TRUE if the Geometries/Geography "spatially intersect" - (share any portion  
of space) and FALSE if they dont (they are Disjoint). For geography -- tolerance is  
0.00001 meters (so any points that close are considered to intersect)';
```

```
--  
-- TOC entry 1405 (class 1255 OID 17312)  
-- Name: st_intersects(text, text); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_intersects(text, text) RETURNS boolean  
LANGUAGE sql IMMUTABLE  
AS $$ SELECT ST_Intersects($1::geometry, $2::geometry); $$;
```

```
--  
-- TOC entry 1164 (class 1255 OID 17035)  
-- Name: st_isclosed(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_isclosed(geometry) RETURNS boolean  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'LWGEOM_isclosed_linestring';
```

```
--  
-- TOC entry 5671 (class 0 OID 0)  
-- Dependencies: 1164  
-- Name: FUNCTION st_isclosed(geometry); Type: COMMENT; Schema: public; Owner:  
-
```

```
--
```

```
COMMENT ON FUNCTION st_isclosed(geometry) IS 'args: g - Returns TRUE if the  
LINESTRINGs start and end points are coincident.';
```

```
--  
-- TOC entry 1166 (class 1255 OID 17037)  
-- Name: st_isempty(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_isempty(geometry) RETURNS boolean  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'LWGEOM_isempty';
```

```
--  
-- TOC entry 5672 (class 0 OID 0)  
-- Dependencies: 1166  
-- Name: FUNCTION st_isempty(geometry); Type: COMMENT; Schema: public; Owner:  
-
```

```
--
```

```
COMMENT ON FUNCTION st_isempty(geometry) IS 'args: geomA - Returns true if  
this Geometry is an empty geometry . If true, then this Geometry represents the empty  
point set - i.e. GEOMETRYCOLLECTION(EMPTY).';
```

```
--  
-- TOC entry 1088 (class 1255 OID 16959)  
-- Name: st_isring(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_isring(geometry) RETURNS boolean  
LANGUAGE c IMMUTABLE STRICT  
AS '$libdir/postgis-1.5', 'isring';
```

```

--
-- TOC entry 5673 (class 0 OID 0)
-- Dependencies: 1088
-- Name: FUNCTION st_isring(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_isring(geometry) IS 'args: g - Returns TRUE if this
LINESTRING is both closed and simple.';

--
-- TOC entry 1092 (class 1255 OID 16963)
-- Name: st_issimple(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_issimple(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'issimple';

--
-- TOC entry 5674 (class 0 OID 0)
-- Dependencies: 1092
-- Name: FUNCTION st_issimple(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_issimple(geometry) IS 'args: geomA - Returns (TRUE) if
this Geometry has no anomalous geometric points, such as self intersection or self
tangency.';

--
-- TOC entry 1084 (class 1255 OID 16955)
-- Name: st_isvalid(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_isvalid(geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'isvalid';

--
-- TOC entry 5675 (class 0 OID 0)
-- Dependencies: 1084
-- Name: FUNCTION st_isvalid(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_isvalid(geometry) IS 'args: g - Returns true if the
ST_Geometry is well formed.';

--
-- TOC entry 1024 (class 1255 OID 16880)
-- Name: st_isvalidreason(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_isvalidreason(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'isvalidreason';

--
-- TOC entry 5676 (class 0 OID 0)
-- Dependencies: 1024
-- Name: FUNCTION st_isvalidreason(geometry); Type: COMMENT; Schema: public;
Owner: -
--

```

```
COMMENT ON FUNCTION st_isvalidreason(geometry) IS 'args: geomA - Returns text
stating if a geometry is valid or not and if not valid, a reason why.';
```

```
--
-- TOC entry 1396 (class 1255 OID 17303)
-- Name: st_length(geography); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_length(geography) RETURNS double precision
LANGUAGE sql IMMUTABLE
AS $_$SELECT ST_Length($1, true)$$_$;
```

```
--
-- TOC entry 5677 (class 0 OID 0)
-- Dependencies: 1396
-- Name: FUNCTION st_length(geography); Type: COMMENT; Schema: public; Owner:
-
```

```
COMMENT ON FUNCTION st_length(geography) IS 'args: gg - Returns the 2d length
of the geometry if it is a linestring or multilinestring. geometry are in units of
spatial reference and geography are in meters (default spheroid)';
```

```
--
-- TOC entry 790 (class 1255 OID 16606)
-- Name: st_length(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_length(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_length2d_linestring';
```

```
--
-- TOC entry 5678 (class 0 OID 0)
-- Dependencies: 790
-- Name: FUNCTION st_length(geometry); Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_length(geometry) IS 'args: a_2dlinestring - Returns the
2d length of the geometry if it is a linestring or multilinestring. geometry are in
units of spatial reference and geography are in meters (default spheroid)';
```

```
--
-- TOC entry 1397 (class 1255 OID 17304)
-- Name: st_length(text); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_length(text) RETURNS double precision
LANGUAGE sql IMMUTABLE STRICT
AS $_$ SELECT ST_Length($1::geometry); $_$;
```

```
--
-- TOC entry 1395 (class 1255 OID 17302)
-- Name: st_length(geography, boolean); Type: FUNCTION; Schema: public; Owner:
-
```

```
CREATE FUNCTION st_length(geography, boolean) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'geography_length';
```

```
--
-- TOC entry 5679 (class 0 OID 0)
```



```

-- Dependencies: 1395
-- Name: FUNCTION st_length(geography, boolean); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_length(geography, boolean) IS 'args: gg, use_spheroid -
Returns the 2d length of the geometry if it is a linestring or multilinestring.
geometry are in units of spatial reference and geography are in meters (default
spheroid)';

--
-- TOC entry 788 (class 1255 OID 16604)
-- Name: st_length2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_length2d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_length2d_linestring';

--
-- TOC entry 5680 (class 0 OID 0)
-- Dependencies: 788
-- Name: FUNCTION st_length2d(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_length2d(geometry) IS 'args: a_2dlinestring - Returns
the 2-dimensional length of the geometry if it is a linestring or multi-linestring.
This is an alias for ST_Length';

--
-- TOC entry 796 (class 1255 OID 16612)
-- Name: st_length2d_spheroid(geometry, spheroid); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_length2d_spheroid(geometry, spheroid) RETURNS double
precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_length2d_ellipsoid';

--
-- TOC entry 5681 (class 0 OID 0)
-- Dependencies: 796
-- Name: FUNCTION st_length2d_spheroid(geometry, spheroid); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_length2d_spheroid(geometry, spheroid) IS 'args:
a_linestring, a_spheroid - Calculates the 2D length of a linestring/multilinestring
on an ellipsoid. This is useful if the coordinates of the geometry are in
longitude/latitude and a length is desired without reprojection.';

--
-- TOC entry 786 (class 1255 OID 16602)
-- Name: st_length3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_length3d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_length_linestring';

--

```

```

-- TOC entry 5682 (class 0 OID 0)
-- Dependencies: 786
-- Name: FUNCTION st_length3d(geometry); Type: COMMENT; Schema: public; Owner:
-
--
COMMENT ON FUNCTION st_length3d(geometry) IS 'args: a_3dlinestring - Returns
the 3-dimensional or 2-dimensional length of the geometry if it is a linestring or
multi-linestring.';

--
-- TOC entry 792 (class 1255 OID 16608)
-- Name: st_length3d_spheroid(geometry, spheroid); Type: FUNCTION; Schema:
public; Owner: -
--
CREATE FUNCTION st_length3d_spheroid(geometry, spheroid) RETURNS double
precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_length_ellipsoid_linestring';

--
-- TOC entry 5683 (class 0 OID 0)
-- Dependencies: 792
-- Name: FUNCTION st_length3d_spheroid(geometry, spheroid); Type: COMMENT;
Schema: public; Owner: -
--
COMMENT ON FUNCTION st_length3d_spheroid(geometry, spheroid) IS 'args:
a_linestring, a_spheroid - Calculates the length of a geometry on an ellipsoid,
taking the elevation into account. This is just an alias for ST_Length_Spheroid.';

--
-- TOC entry 794 (class 1255 OID 16610)
-- Name: st_length_spheroid(geometry, spheroid); Type: FUNCTION; Schema:
public; Owner: -
--
CREATE FUNCTION st_length_spheroid(geometry, spheroid) RETURNS double
precision
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'LWGEOM_length_ellipsoid_linestring';

--
-- TOC entry 5684 (class 0 OID 0)
-- Dependencies: 794
-- Name: FUNCTION st_length_spheroid(geometry, spheroid); Type: COMMENT;
Schema: public; Owner: -
--
COMMENT ON FUNCTION st_length_spheroid(geometry, spheroid) IS 'args:
a_linestring, a_spheroid - Calculates the 2D or 3D length of a
linestring/multilinestring on an ellipsoid. This is useful if the coordinates of the
geometry are in longitude/latitude and a length is desired without reprojection.';

--
-- TOC entry 1000 (class 1255 OID 16856)
-- Name: st_line_interpolate_point(geometry, double precision); Type:
FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION st_line_interpolate_point(geometry, double precision) RETURNS
geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_line_interpolate_point';

```

```
--
-- TOC entry 5685 (class 0 OID 0)
-- Dependencies: 1000
-- Name: FUNCTION st_line_interpolate_point(geometry, double precision); Type:
COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_line_interpolate_point(geometry, double precision) IS
'args: a_linestring, a_fraction - Returns a point interpolated along a line. Second
argument is a float8 between 0 and 1 representing fraction of total length of
linestring the point has to be located.';
```

```
--
-- TOC entry 1004 (class 1255 OID 16860)
-- Name: st_line_locate_point(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_line_locate_point(geometry, geometry) RETURNS double
precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_line_locate_point';
```

```
--
-- TOC entry 5686 (class 0 OID 0)
-- Dependencies: 1004
-- Name: FUNCTION st_line_locate_point(geometry, geometry); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_line_locate_point(geometry, geometry) IS 'args:
a_linestring, a_point - Returns a float between 0 and 1 representing the location of
the closest point on LineString to the given Point, as a fraction of total 2d line
length.';
```

```
--
-- TOC entry 1002 (class 1255 OID 16858)
-- Name: st_line_substring(geometry, double precision, double precision);
Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_line_substring(geometry, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_line_substring';
```

```
--
-- TOC entry 5687 (class 0 OID 0)
-- Dependencies: 1002
-- Name: FUNCTION st_line_substring(geometry, double precision, double
precision); Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_line_substring(geometry, double precision, double
precision) IS 'args: a_linestring, startfraction, endfraction - Return a linestring
being a substring of the input one starting and ending at the given fractions of
total 2d length. Second and third arguments are float8 values between 0 and 1.';
```

```
--
-- TOC entry 1021 (class 1255 OID 16877)
-- Name: st_linecrossingdirection(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--
```

```

CREATE FUNCTION st_linecrossingdirection(geometry, geometry) RETURNS integer
LANGUAGE sql IMMUTABLE
AS $$ SELECT CASE WHEN NOT $1 && $2 THEN 0 ELSE
_ST_LineCrossingDirection($1,$2) END $$;

--
-- TOC entry 5688 (class 0 OID 0)
-- Dependencies: 1021
-- Name: FUNCTION st_linecrossingdirection(geometry, geometry); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_linecrossingdirection(geometry, geometry) IS 'args:
linestringA, linestringB - Given 2 linestrings, returns a number between -3 and 3
denoting what kind of crossing behavior. 0 is no crossing.';

--
-- TOC entry 881 (class 1255 OID 16697)
-- Name: st_linefrommultipoint(geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_linefrommultipoint(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_line_from_mpoint';

--
-- TOC entry 5689 (class 0 OID 0)
-- Dependencies: 881
-- Name: FUNCTION st_linefrommultipoint(geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_linefrommultipoint(geometry) IS 'args: aMultiPoint -
Creates a LineString from a MultiPoint geometry.';

--
-- TOC entry 1191 (class 1255 OID 17061)
-- Name: st_linefromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_linefromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$
SELECT CASE WHEN geometrytype(ST_GeomFromText($1)) = 'LINESTRING'
THEN ST_GeomFromText($1)
ELSE NULL END
$$;

--
-- TOC entry 5690 (class 0 OID 0)
-- Dependencies: 1191
-- Name: FUNCTION st_linefromtext(text); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_linefromtext(text) IS 'args: WKT - Makes a Geometry
from WKT representation with the given SRID. If SRID is not given, it defaults to -
1.';

--
-- TOC entry 1193 (class 1255 OID 17063)
-- Name: st_linefromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -

```

```

--
CREATE FUNCTION st_linefromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromText($1, $2)) = 'LINESTRING'
THEN GeomFromText($1,$2)
ELSE NULL END
$_$;

--
-- TOC entry 5691 (class 0 OID 0)
-- Dependencies: 1193
-- Name: FUNCTION st_linefromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_linefromtext(text, integer) IS 'args: WKT, srid - Makes
a Geometry from WKT representation with the given SRID. If SRID is not given, it
defaults to -1.';

--
-- TOC entry 1242 (class 1255 OID 17112)
-- Name: st_linefromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_linefromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'LINESTRING'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$;

--
-- TOC entry 5692 (class 0 OID 0)
-- Dependencies: 1242
-- Name: FUNCTION st_linefromwkb(bytea); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_linefromwkb(bytea) IS 'args: WKB - Makes a LINESTRING
from WKB with the given SRID';

--
-- TOC entry 1240 (class 1255 OID 17110)
-- Name: st_linefromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_linefromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1, $2)) = 'LINESTRING'
THEN ST_GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 5693 (class 0 OID 0)
-- Dependencies: 1240
-- Name: FUNCTION st_linefromwkb(bytea, integer); Type: COMMENT; Schema:
public; Owner: -
--

```

```
COMMENT ON FUNCTION st_linefromwkb(bytea, integer) IS 'args: WKB, srid - Makes a LINESTRING from WKB with the given SRID';
```

```
--  
-- TOC entry 903 (class 1255 OID 16719)  
-- Name: st_linemerge(geometry); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_linemerge(geometry) RETURNS geometry  
LANGUAGE c IMMUTABLE STRICT COST 100  
AS '$libdir/postgis-1.5', 'linemerge';
```

```
--  
-- TOC entry 5694 (class 0 OID 0)  
-- Dependencies: 903  
-- Name: FUNCTION st_linemerge(geometry); Type: COMMENT; Schema: public;  
Owner: -  
--
```

```
COMMENT ON FUNCTION st_linemerge(geometry) IS 'args: amultilinestring - Returns a (set of) LineString(s) formed by sewing together a MULTILINESTRING.';
```

```
--  
-- TOC entry 1246 (class 1255 OID 17116)  
-- Name: st_linestringfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -  
--
```

```
CREATE FUNCTION st_linestringfromwkb(bytea) RETURNS geometry  
LANGUAGE sql IMMUTABLE STRICT  
AS $_$_  
SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'LINESTRING'  
THEN GeomFromWKB($1)  
ELSE NULL END  
$_$_;
```

```
--  
-- TOC entry 5695 (class 0 OID 0)  
-- Dependencies: 1246  
-- Name: FUNCTION st_linestringfromwkb(bytea); Type: COMMENT; Schema: public;  
Owner: -  
--
```

```
COMMENT ON FUNCTION st_linestringfromwkb(bytea) IS 'args: WKB - Makes a geometry from WKB with the given SRID.';
```

```
--  
-- TOC entry 1244 (class 1255 OID 17114)  
-- Name: st_linestringfromwkb(bytea, integer); Type: FUNCTION; Schema: public;  
Owner: -  
--
```

```
CREATE FUNCTION st_linestringfromwkb(bytea, integer) RETURNS geometry  
LANGUAGE sql IMMUTABLE STRICT  
AS $_$_  
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1, $2)) = 'LINESTRING'  
THEN ST_GeomFromWKB($1, $2)  
ELSE NULL END  
$_$_;
```

```
--  
-- TOC entry 5696 (class 0 OID 0)  
-- Dependencies: 1244  
-- Name: FUNCTION st_linestringfromwkb(bytea, integer); Type: COMMENT; Schema:  
public; Owner: -
```



```

--
COMMENT ON FUNCTION st_linestringfromwkb(bytea, integer) IS 'args: WKB, srid -
Makes a geometry from WKB with the given SRID.';

--
-- TOC entry 1415 (class 1255 OID 17322)
-- Name: st_linetocurve(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_linetocurve(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_line_desegmentize';

--
-- TOC entry 5697 (class 0 OID 0)
-- Dependencies: 1415
-- Name: FUNCTION st_linetocurve(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_linetocurve(geometry) IS 'args: geomANoncircular -
Converts a LINESTRING/POLYGON to a CIRCULARSTRING, CURVED POLYGON';

--
-- TOC entry 1008 (class 1255 OID 16864)
-- Name: st_locate_along_measure(geometry, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

CREATE FUNCTION st_locate_along_measure(geometry, double precision) RETURNS
geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$ SELECT locate_between_measures($1, $2, $2) $$;

--
-- TOC entry 5698 (class 0 OID 0)
-- Dependencies: 1008
-- Name: FUNCTION st_locate_along_measure(geometry, double precision); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_locate_along_measure(geometry, double precision) IS
'args: ageom_with_measure, a_measure - Return a derived geometry collection value
with elements that match the specified measure. Polygonal elements are not
supported.';

--
-- TOC entry 1006 (class 1255 OID 16862)
-- Name: st_locate_between_measures(geometry, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_locate_between_measures(geometry, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_locate_between_m';

--
-- TOC entry 5699 (class 0 OID 0)
-- Dependencies: 1006
-- Name: FUNCTION st_locate_between_measures(geometry, double precision,
double precision); Type: COMMENT; Schema: public; Owner: -

```

```

--

COMMENT ON FUNCTION st_locate_between_measures(geometry, double precision,
double precision) IS 'args: geomA, measure_start, measure_end - Return a derived
geometry collection value with elements that match the specified range of measures
inclusively. Polygonal elements are not supported.';

--
-- TOC entry 1022 (class 1255 OID 16878)
-- Name: st_locatebetweenelevations(geometry, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_locatebetweenelevations(geometry, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'ST_LocateBetweenElevations';

--
-- TOC entry 5700 (class 0 OID 0)
-- Dependencies: 1022
-- Name: FUNCTION st_locatebetweenelevations(geometry, double precision,
double precision); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_locatebetweenelevations(geometry, double precision,
double precision) IS 'args: geom_mline, elevation_start, elevation_end - Return a
derived geometry (collection) value with elements that intersect the specified range
of elevations inclusively. Only 3D, 4D LINESTRINGS and MULTILINESTRINGS are
supported.';

--
-- TOC entry 1289 (class 1255 OID 17158)
-- Name: st_longestline(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_longestline(geometry, geometry) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS '$_SSELECT _ST_LongestLine(ST_ConvexHull($1), ST_ConvexHull($2))$_$';

--
-- TOC entry 5701 (class 0 OID 0)
-- Dependencies: 1289
-- Name: FUNCTION st_longestline(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_longestline(geometry, geometry) IS 'args: g1, g2 -
Returns the 2-dimensional longest line points of two geometries. The function will
only return the first longest line if more than one, that the function finds. The
line returned will always start in g1 and end in g2. The length of the line this
function returns will always be the same as st_maxdistance returns for g1 and g2.';

--
-- TOC entry 1158 (class 1255 OID 17029)
-- Name: st_m(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_m(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_m_point';

--
-- TOC entry 5702 (class 0 OID 0)

```



```

-- Dependencies: 1158
-- Name: FUNCTION st_m(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_m(geometry) IS 'args: a_point - Return the M coordinate
of the point, or NULL if not available. Input must be a point.';

--
-- TOC entry 874 (class 1255 OID 16690)
-- Name: st_makebox2d(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_makebox2d(geometry, geometry) RETURNS box2d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX2DFLOAT4_construct';

--
-- TOC entry 5703 (class 0 OID 0)
-- Dependencies: 874
-- Name: FUNCTION st_makebox2d(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_makebox2d(geometry, geometry) IS 'args: pointLowLeft,
pointUpRight - Creates a BOX2D defined by the given point geometries.';

--
-- TOC entry 876 (class 1255 OID 16692)
-- Name: st_makebox3d(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_makebox3d(geometry, geometry) RETURNS box3d
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_construct';

--
-- TOC entry 5704 (class 0 OID 0)
-- Dependencies: 876
-- Name: FUNCTION st_makebox3d(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_makebox3d(geometry, geometry) IS 'args:
point3DLowLeftBottom, point3DUpRightTop - Creates a BOX3D defined by the given 3d
point geometries.';

--
-- TOC entry 892 (class 1255 OID 16708)
-- Name: st_makeenvelope(double precision, double precision, double precision,
double precision, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_makeenvelope(double precision, double precision, double
precision, double precision, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'ST_MakeEnvelope';

--
-- TOC entry 5705 (class 0 OID 0)
-- Dependencies: 892

```

```

-- Name: FUNCTION st_makeenvelope(double precision, double precision, double
precision, double precision, integer); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_makeenvelope(double precision, double precision, double
precision, double precision, integer) IS 'args: xmin, ymin, xmax, ymax, srid -
Creates a rectangular Polygon formed from the given minimums and maximums. Input
values must be in SRS specified by the SRID.';

--
-- TOC entry 879 (class 1255 OID 16695)
-- Name: st_makeline(geometry[]); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_makeline(geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makeline_garray';

--
-- TOC entry 5706 (class 0 OID 0)
-- Dependencies: 879
-- Name: FUNCTION st_makeline(geometry[]); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_makeline(geometry[]) IS 'args: point_array - Creates a
Linestring from point geometries.';

--
-- TOC entry 883 (class 1255 OID 16699)
-- Name: st_makeline(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_makeline(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makeline';

--
-- TOC entry 5707 (class 0 OID 0)
-- Dependencies: 883
-- Name: FUNCTION st_makeline(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_makeline(geometry, geometry) IS 'args: point1, point2 -
Creates a Linestring from point geometries.';

--
-- TOC entry 878 (class 1255 OID 16694)
-- Name: st_makeline_garray(geometry[]); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_makeline_garray(geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makeline_garray';

--
-- TOC entry 866 (class 1255 OID 16682)
-- Name: st_makepoint(double precision, double precision); Type: FUNCTION;
Schema: public; Owner: -
--

```

```

CREATE FUNCTION st_makepoint(double precision, double precision) RETURNS
geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_makepoint';

--
-- TOC entry 5708 (class 0 OID 0)
-- Dependencies: 866
-- Name: FUNCTION st_makepoint(double precision, double precision); Type:
COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_makepoint(double precision, double precision) IS 'args:
x, y - Creates a 2D,3DZ or 4D point geometry.';

--
-- TOC entry 868 (class 1255 OID 16684)
-- Name: st_makepoint(double precision, double precision, double precision);
Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_makepoint(double precision, double precision, double
precision) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_makepoint';

--
-- TOC entry 5709 (class 0 OID 0)
-- Dependencies: 868
-- Name: FUNCTION st_makepoint(double precision, double precision, double
precision); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_makepoint(double precision, double precision, double
precision) IS 'args: x, y, z - Creates a 2D,3DZ or 4D point geometry.';

--
-- TOC entry 870 (class 1255 OID 16686)
-- Name: st_makepoint(double precision, double precision, double precision,
double precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_makepoint(double precision, double precision, double
precision, double precision) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_makepoint';

--
-- TOC entry 5710 (class 0 OID 0)
-- Dependencies: 870
-- Name: FUNCTION st_makepoint(double precision, double precision, double
precision, double precision); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_makepoint(double precision, double precision, double
precision, double precision) IS 'args: x, y, z, m - Creates a 2D,3DZ or 4D point
geometry.';

--
-- TOC entry 872 (class 1255 OID 16688)
-- Name: st_makepointm(double precision, double precision, double precision);
Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION st_makepointm(double precision, double precision, double
precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoint3dm';

--
-- TOC entry 5711 (class 0 OID 0)
-- Dependencies: 872
-- Name: FUNCTION st_makepointm(double precision, double precision, double
precision); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_makepointm(double precision, double precision, double
precision) IS 'args: x, y, m - Creates a point geometry with an x y and m
coordinate.';

--
-- TOC entry 896 (class 1255 OID 16712)
-- Name: st_makepolygon(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_makepolygon(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoly';

--
-- TOC entry 5712 (class 0 OID 0)
-- Dependencies: 896
-- Name: FUNCTION st_makepolygon(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_makepolygon(geometry) IS 'args: linestring - Creates a
Polygon formed by the given shell. Input geometries must be closed LINESRINGS.';

--
-- TOC entry 894 (class 1255 OID 16710)
-- Name: st_makepolygon(geometry, geometry[]); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_makepolygon(geometry, geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoly';

--
-- TOC entry 5713 (class 0 OID 0)
-- Dependencies: 894
-- Name: FUNCTION st_makepolygon(geometry, geometry[]); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_makepolygon(geometry, geometry[]) IS 'args:
outerlinestring, interiorlinestrings - Creates a Polygon formed by the given shell.
Input geometries must be closed LINESRINGS.';

--
-- TOC entry 1285 (class 1255 OID 17154)
-- Name: st_maxdistance(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_maxdistance(geometry, geometry) RETURNS double precision
LANGUAGE sql IMMUTABLE STRICT

```

```

        AS $$SELECT _ST_MaxDistance(ST_ConvexHull($1), ST_ConvexHull($2))$$;

--
-- TOC entry 5714 (class 0 OID 0)
-- Dependencies: 1285
-- Name: FUNCTION st_maxdistance(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_maxdistance(geometry, geometry) IS 'args: g1, g2 -
Returns the 2-dimensional largest distance between two geometries in projected
units.';

--
-- TOC entry 778 (class 1255 OID 16594)
-- Name: st_mem_size(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_mem_size(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_mem_size';

--
-- TOC entry 5715 (class 0 OID 0)
-- Dependencies: 778
-- Name: FUNCTION st_mem_size(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_mem_size(geometry) IS 'args: geomA - Returns the amount
of space (in bytes) the geometry takes.';

--
-- TOC entry 1417 (class 1255 OID 17325)
-- Name: st_minimumboundingcircle(geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_minimumboundingcircle(geometry) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT ST_MinimumBoundingCircle($1, 48)$$;

--
-- TOC entry 5716 (class 0 OID 0)
-- Dependencies: 1417
-- Name: FUNCTION st_minimumboundingcircle(geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_minimumboundingcircle(geometry) IS 'args: geomA -
Returns the smallest circle polygon that can fully contain a geometry. Default uses
48 segments per quarter circle.';

--
-- TOC entry 1416 (class 1255 OID 17323)
-- Name: st_minimumboundingcircle(geometry, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_minimumboundingcircle(inputgeom geometry, segs_per_quarter
integer) RETURNS geometry
LANGUAGE plpgsql IMMUTABLE STRICT
AS $$

```

```

DECLARE
hull GEOMETRY;
ring GEOMETRY;
center GEOMETRY;
radius DOUBLE PRECISION;
dist DOUBLE PRECISION;
d DOUBLE PRECISION;
idx1 integer;
idx2 integer;
l1 GEOMETRY;
l2 GEOMETRY;
p1 GEOMETRY;
p2 GEOMETRY;
a1 DOUBLE PRECISION;
a2 DOUBLE PRECISION;

BEGIN

-- First compute the ConvexHull of the geometry
hull = ST_ConvexHull(inputgeom);
--A point really has no MBC
IF ST_GeometryType(hull) = 'ST_Point' THEN
    RETURN hull;
END IF;
-- convert the hull perimeter to a linestring so we can manipulate
individual points
--If its already a linestring force it to a closed linestring
ring = CASE WHEN ST_GeometryType(hull) = 'ST_LineString' THEN
ST_AddPoint(hull, ST_StartPoint(hull)) ELSE ST_ExteriorRing(hull) END;

dist = 0;
-- Brute Force - check every pair
FOR i in 1 .. (ST_NumPoints(ring)-2)
    LOOP
        FOR j in i .. (ST_NumPoints(ring)-1)
            LOOP
                d =
ST_Distance(ST_PointN(ring,i),ST_PointN(ring,j));
                -- Check the distance and update if larger
                IF (d > dist) THEN
                    dist = d;
                    idx1 = i;
                    idx2 = j;
                END IF;
            END LOOP;
        END LOOP;
    END LOOP;

-- We now have the diameter of the convex hull. The following line
returns it if desired.
-- RETURN MakeLine(PointN(ring,idx1),PointN(ring,idx2));

-- Now for the Minimum Bounding Circle. Since we know the two points
furthest from each
-- other, the MBC must go through those two points. Start with those
points as a diameter of a circle.

-- The radius is half the distance between them and the center is midway
between them
radius = ST_Distance(ST_PointN(ring,idx1),ST_PointN(ring,idx2)) / 2.0;
center =
ST_Line_interpolate_point(ST_MakeLine(ST_PointN(ring,idx1),ST_PointN(ring,idx2)),0.5)
;

-- Loop through each vertex and check if the distance from the center to
the point
-- is greater than the current radius.
FOR k in 1 .. (ST_NumPoints(ring)-1)
    LOOP
        IF(k <> idx1 and k <> idx2) THEN
            dist = ST_Distance(center,ST_PointN(ring,k));
        END IF;
    END LOOP;
END;

```

```

        IF (dist > radius) THEN
            -- We have to expand the circle.  The new circle
must pass through
            -- three points - the two original diameters and
this point.

            -- Draw a line from the first diameter to this point
            l1 =
ST_Makeline(ST_PointN(ring,idx1),ST_PointN(ring,k));
            -- Compute the midpoint
            p1 = ST_Line_interpolate_point(l1,0.5);
            -- Rotate the line 90 degrees around the midpoint
(perpendicular bisector)
            l1 = ST_Translate(ST_Rotate(ST_Translate(l1,-X(p1),-
Y(p1)),pi()/2),X(p1),Y(p1));
            -- Compute the azimuth of the bisector
            a1 = ST_Azimuth(ST_PointN(l1,1),ST_PointN(l1,2));
            -- Extend the line in each direction the new
computed distance to insure they will intersect
            l1 =
ST_AddPoint(l1,ST_Makepoint(X(ST_PointN(l1,2))+sin(a1)*dist,Y(ST_PointN(l1,2))+cos(a1)
)*dist,-1);
            l1 = ST_AddPoint(l1,ST_Makepoint(X(ST_PointN(l1,1))-
sin(a1)*dist,Y(ST_PointN(l1,1))-cos(a1)*dist),0);

            -- Repeat for the line from the point to the other
diameter point
            l2 =
ST_Makeline(ST_PointN(ring,idx2),ST_PointN(ring,k));
            p2 = ST_Line_interpolate_point(l2,0.5);
            l2 = ST_Translate(ST_Rotate(ST_Translate(l2,-X(p2),-
Y(p2)),pi()/2),X(p2),Y(p2));
            a2 = ST_Azimuth(ST_PointN(l2,1),ST_PointN(l2,2));
            l2 =
ST_AddPoint(l2,ST_Makepoint(X(ST_PointN(l2,2))+sin(a2)*dist,Y(ST_PointN(l2,2))+cos(a2)
)*dist,-1);
            l2 = ST_AddPoint(l2,ST_Makepoint(X(ST_PointN(l2,1))-
sin(a2)*dist,Y(ST_PointN(l2,1))-cos(a2)*dist),0);

            -- The new center is the intersection of the two
bisectors
            center = ST_Intersection(l1,l2);
            -- The new radius is the distance to any of the
three points
            radius = ST_Distance(center,ST_PointN(ring,idx1));
        END IF;
    END IF;
    END LOOP;
    --DONE!! Return the MBC via the buffer command
    RETURN ST_Buffer(center,radius,segs_per_quarter);

END;
$$;

--
-- TOC entry 5717 (class 0 OID 0)
-- Dependencies: 1416
-- Name: FUNCTION st_minimumboundingcircle(inputgeom geometry,
segs_per_quarter integer); Type: COMMENT; Schema: public; Owner: -
--
COMMENT ON FUNCTION st_minimumboundingcircle(inputgeom geometry,
segs_per_quarter integer) IS 'args: geomA, num_segs_per_qt_circ - Returns the
smallest circle polygon that can fully contain a geometry. Default uses 48 segments
per quarter circle.';

--

```

```

-- TOC entry 1207 (class 1255 OID 17077)
-- Name: st_mlinefromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_mlinefromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(ST_GeomFromText($1)) = 'MULTILINESTRING'
  THEN ST_GeomFromText($1)
  ELSE NULL END
  $_$;

--

-- TOC entry 5718 (class 0 OID 0)
-- Dependencies: 1207
-- Name: FUNCTION st_mlinefromtext(text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_mlinefromtext(text) IS 'args: WKT - Return a specified
ST_MultiLineString value from WKT representation.';

--

-- TOC entry 1205 (class 1255 OID 17075)
-- Name: st_mlinefromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_mlinefromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE
  WHEN geometrytype(GeomFromText($1, $2)) = 'MULTILINESTRING'
  THEN GeomFromText($1,$2)
  ELSE NULL END
  $_$;

--

-- TOC entry 5719 (class 0 OID 0)
-- Dependencies: 1205
-- Name: FUNCTION st_mlinefromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_mlinefromtext(text, integer) IS 'args: WKT, srid -
Return a specified ST_MultiLineString value from WKT representation.';

--

-- TOC entry 1270 (class 1255 OID 17139)
-- Name: st_mlinefromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_mlinefromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'MULTILINESTRING'
  THEN ST_GeomFromWKB($1)
  ELSE NULL END
  $_$;

--

-- TOC entry 1268 (class 1255 OID 17137)
-- Name: st_mlinefromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

```



```

CREATE FUNCTION st_mlinefromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1, $2)) =
'MULTILINESTRING'
  THEN ST_GeomFromWKB($1, $2)
  ELSE NULL END
  $_$;

--
-- TOC entry 1215 (class 1255 OID 17085)
-- Name: st_mpointfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_mpointfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(ST_GeomFromText($1)) = 'MULTIPOINT'
  THEN ST_GeomFromText($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 5720 (class 0 OID 0)
-- Dependencies: 1215
-- Name: FUNCTION st_mpointfromtext(text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_mpointfromtext(text) IS 'args: WKT - Makes a Geometry
from WKT with the given SRID. If SRID is not give, it defaults to -1.';

--
-- TOC entry 1213 (class 1255 OID 17083)
-- Name: st_mpointfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_mpointfromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromText($1, $2)) = 'MULTIPOINT'
  THEN GeomFromText($1, $2)
  ELSE NULL END
  $_$;

--
-- TOC entry 5721 (class 0 OID 0)
-- Dependencies: 1213
-- Name: FUNCTION st_mpointfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_mpointfromtext(text, integer) IS 'args: WKT, srid -
Makes a Geometry from WKT with the given SRID. If SRID is not give, it defaults to -
1.';

--
-- TOC entry 1259 (class 1255 OID 17128)
-- Name: st_mpointfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_mpointfromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT

```

```

AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'MULTIPOINT'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$;

--
-- TOC entry 1257 (class 1255 OID 17126)
-- Name: st_mpointfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_mpointfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(GeomFromWKB($1, $2)) = 'MULTIPOINT'
THEN GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 1222 (class 1255 OID 17092)
-- Name: st_mpolyfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_mpolyfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromText($1)) = 'MULTIPOLYGON'
THEN ST_GeomFromText($1)
ELSE NULL END
$_$;

--
-- TOC entry 5722 (class 0 OID 0)
-- Dependencies: 1222
-- Name: FUNCTION st_mpolyfromtext(text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_mpolyfromtext(text) IS 'args: WKT - Makes a
MultiPolygon Geometry from WKT with the given SRID. If SRID is not give, it defaults
to -1.';

--
-- TOC entry 1220 (class 1255 OID 17090)
-- Name: st_mpolyfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_mpolyfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromText($1, $2)) = 'MULTIPOLYGON'
THEN ST_GeomFromText($1,$2)
ELSE NULL END
$_$;

--
-- TOC entry 5723 (class 0 OID 0)
-- Dependencies: 1220
-- Name: FUNCTION st_mpolyfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

```

```
COMMENT ON FUNCTION st_mpolyfromtext(text, integer) IS 'args: WKT, srid -
Makes a MultiPolygon Geometry from WKT with the given SRID. If SRID is not give, it
defaults to -1.';
```

```
--
-- TOC entry 1274 (class 1255 OID 17143)
-- Name: st_mpolyfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_mpolyfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'MULTIPOLYGON'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$;
```

```
--
-- TOC entry 1272 (class 1255 OID 17141)
-- Name: st_mpolyfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_mpolyfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1, $2)) = 'MULTIPOLYGON'
THEN ST_GeomFromWKB($1, $2)
ELSE NULL END
$_$;
```

```
--
-- TOC entry 831 (class 1255 OID 16647)
-- Name: st_multi(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_multi(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_force_multi';
```

```
--
-- TOC entry 5724 (class 0 OID 0)
-- Dependencies: 831
-- Name: FUNCTION st_multi(geometry); Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_multi(geometry) IS 'args: g1 - Returns the geometry as
a MULTI* geometry. If the geometry is already a MULTI*, it is returned unchanged.';
```

```
--
-- TOC entry 1266 (class 1255 OID 17135)
-- Name: st_multilinefromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_multilinefromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'MULTILINESTRING'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$;
```

```
--
```

```

-- TOC entry 1209 (class 1255 OID 17079)
-- Name: st_multilinestringfromtext(text); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_multilinestringfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT ST_MLineFromText($1)$_$_;

--
-- TOC entry 1211 (class 1255 OID 17081)
-- Name: st_multilinestringfromtext(text, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_multilinestringfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT MLineFromText($1, $2)$_$_;

--
-- TOC entry 1218 (class 1255 OID 17088)
-- Name: st_multipointfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_multipointfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT MPointFromText($1)$_$_;

--
-- TOC entry 1263 (class 1255 OID 17132)
-- Name: st_multipointfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_multipointfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'MULTIPOINT'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$_;

--
-- TOC entry 1261 (class 1255 OID 17130)
-- Name: st_multipointfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_multipointfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1,$2)) = 'MULTIPOINT'
THEN ST_GeomFromWKB($1, $2)
ELSE NULL END
$_$_;

--
-- TOC entry 1278 (class 1255 OID 17147)
-- Name: st_multipolyfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_multipolyfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'MULTIPOLYGON'
THEN ST_GeomFromWKB($1)
ELSE NULL END

```

```

        $_$;

--
-- TOC entry 1276 (class 1255 OID 17145)
-- Name: st_multipolyfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_multipolyfromwkb(bytea, integer) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$
        SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1, $2)) = 'MULTIPOLYGON'
            THEN ST_GeomFromWKB($1, $2)
            ELSE NULL END
        $_$;

--
-- TOC entry 1226 (class 1255 OID 17096)
-- Name: st_multipolygonfromtext(text); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_multipolygonfromtext(text) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT MPolyFromText($1)$$_$;

--
-- TOC entry 1224 (class 1255 OID 17094)
-- Name: st_multipolygonfromtext(text, integer); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_multipolygonfromtext(text, integer) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT MPolyFromText($1, $2)$$_$;

--
-- TOC entry 849 (class 1255 OID 16665)
-- Name: st_ndims(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_ndims(geometry) RETURNS smallint
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_ndims';

--
-- TOC entry 5725 (class 0 OID 0)
-- Dependencies: 849
-- Name: FUNCTION st_ndims(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_ndims(geometry) IS 'args: g1 - Returns coordinate
dimension of the geometry as a small int. Values are: 2,3 or 4.';

--
-- TOC entry 782 (class 1255 OID 16598)
-- Name: st_npoints(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_npoints(geometry) RETURNS integer
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_npoints';

```

```

--
-- TOC entry 5726 (class 0 OID 0)
-- Dependencies: 782
-- Name: FUNCTION st_npoints(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_npoints(geometry) IS 'args: g1 - Return the number of
points (vertexes) in a geometry.';

--
-- TOC entry 784 (class 1255 OID 16600)
-- Name: st_nrings(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_nrings(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_nrings';

--
-- TOC entry 5727 (class 0 OID 0)
-- Dependencies: 784
-- Name: FUNCTION st_nrings(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_nrings(geometry) IS 'args: geomA - If the geometry is a
polygon or multi-polygon returns the number of rings.';

--
-- TOC entry 1134 (class 1255 OID 17005)
-- Name: st_numgeometries(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_numgeometries(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_numgeometries_collection';

--
-- TOC entry 5728 (class 0 OID 0)
-- Dependencies: 1134
-- Name: FUNCTION st_numgeometries(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_numgeometries(geometry) IS 'args:
a_multi_or_geomcollection - If geometry is a GEOMETRYCOLLECTION (or MULTI*) return
the number of geometries, otherwise return NULL.';

--
-- TOC entry 1144 (class 1255 OID 17015)
-- Name: st_numinteriorring(geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_numinteriorring(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_numinteriorrings_polygon';

--
-- TOC entry 5729 (class 0 OID 0)
-- Dependencies: 1144
-- Name: FUNCTION st_numinteriorring(geometry); Type: COMMENT; Schema: public;
Owner: -
--

```

```
COMMENT ON FUNCTION st_numinteriorring(geometry) IS 'args: a_polygon - Return
the number of interior rings of the first polygon in the geometry. Synonym to
ST_NumInteriorRings.';
```

```
--
-- TOC entry 1142 (class 1255 OID 17013)
-- Name: st_numinteriorrings(geometry); Type: FUNCTION; Schema: public; Owner:
-
--
```

```
CREATE FUNCTION st_numinteriorrings(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_numinteriorrings_polygon';
```

```
--
-- TOC entry 5730 (class 0 OID 0)
-- Dependencies: 1142
-- Name: FUNCTION st_numinteriorrings(geometry); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_numinteriorrings(geometry) IS 'args: a_polygon - Return
the number of interior rings of the first polygon in the geometry. This will work
with both POLYGON and MULTIPOLYGON types but only looks at the first polygon. Return
NULL if there is no polygon in the geometry.';
```

```
--
-- TOC entry 1132 (class 1255 OID 17003)
-- Name: st_numpoints(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_numpoints(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_numpoints_linestring';
```

```
--
-- TOC entry 5731 (class 0 OID 0)
-- Dependencies: 1132
-- Name: FUNCTION st_numpoints(geometry); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_numpoints(geometry) IS 'args: g1 - Return the number of
points in an ST_LineString or ST_CircularString value.';
```

```
--
-- TOC entry 1316 (class 1255 OID 17182)
-- Name: st_orderingequals(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_orderingequals(geometry, geometry) RETURNS boolean
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT $1 ~= $2 AND _ST_OrderingEquals($1, $2)
$_$;
```

```
--
-- TOC entry 5732 (class 0 OID 0)
-- Dependencies: 1316
-- Name: FUNCTION st_orderingequals(geometry, geometry); Type: COMMENT;
Schema: public; Owner: -
```

```

--
COMMENT ON FUNCTION st_orderingequals(geometry, geometry) IS 'args: A, B -
Returns true if the given geometries represent the same geometry and points are in
the same directional order.';

--
-- TOC entry 1082 (class 1255 OID 16953)
-- Name: st_overlaps(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_overlaps(geometry, geometry) RETURNS boolean
LANGUAGE sql IMMUTABLE
AS $_$SELECT $1 && $2 AND _ST_Overlaps($1,$2)$_$;

--
-- TOC entry 5733 (class 0 OID 0)
-- Dependencies: 1082
-- Name: FUNCTION st_overlaps(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_overlaps(geometry, geometry) IS 'args: A, B - Returns
TRUE if the Geometries share space, are of the same dimension, but are not completely
contained by each other.';

--
-- TOC entry 802 (class 1255 OID 16618)
-- Name: st_perimeter(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_perimeter(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_perimeter2d_poly';

--
-- TOC entry 5734 (class 0 OID 0)
-- Dependencies: 802
-- Name: FUNCTION st_perimeter(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_perimeter(geometry) IS 'args: g1 - Return the length
measurement of the boundary of an ST_Surface or ST_MultiSurface value. (Polygon,
Multipolygon)';

--
-- TOC entry 800 (class 1255 OID 16616)
-- Name: st_perimeter2d(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_perimeter2d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_perimeter2d_poly';

--
-- TOC entry 5735 (class 0 OID 0)
-- Dependencies: 800
-- Name: FUNCTION st_perimeter2d(geometry); Type: COMMENT; Schema: public;
Owner: -
--

```



```
COMMENT ON FUNCTION st_perimeter2d(geometry) IS 'args: geomA - Returns the 2-
dimensional perimeter of the geometry, if it is a polygon or multi-polygon. This is
currently an alias for ST_Perimeter.';
```

```
--
-- TOC entry 798 (class 1255 OID 16614)
-- Name: st_perimeter3d(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_perimeter3d(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_perimeter_poly';
```

```
--
-- TOC entry 5736 (class 0 OID 0)
-- Dependencies: 798
-- Name: FUNCTION st_perimeter3d(geometry); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_perimeter3d(geometry) IS 'args: geomA - Returns the 3-
dimensional perimeter of the geometry, if it is a polygon or multi-polygon.';
```

```
--
-- TOC entry 1319 (class 1255 OID 17185)
-- Name: st_point(double precision, double precision); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_point(double precision, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_makepoint';
```

```
--
-- TOC entry 5737 (class 0 OID 0)
-- Dependencies: 1319
-- Name: FUNCTION st_point(double precision, double precision); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_point(double precision, double precision) IS 'args:
x_lon, y_lat - Returns an ST_Point with the given coordinate values. OGC alias for
ST_MakePoint.';
```

```
--
-- TOC entry 814 (class 1255 OID 16630)
-- Name: st_point_inside_circle(geometry, double precision, double precision,
double precision); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_point_inside_circle(geometry, double precision, double
precision, double precision) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_inside_circle_point';
```

```
--
-- TOC entry 5738 (class 0 OID 0)
-- Dependencies: 814
-- Name: FUNCTION st_point_inside_circle(geometry, double precision, double
precision, double precision); Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_point_inside_circle(geometry, double precision, double
precision, double precision) IS 'args: a_point, center_x, center_y, radius - Is the
point geometry insert circle defined by center_x, center_y , radius';
```

```
--
-- TOC entry 1186 (class 1255 OID 17057)
-- Name: st_pointfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_pointfromtext(text) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromText($1)) = 'POINT'
THEN ST_GeomFromText($1)
ELSE NULL END
$_$;
```

```
--
-- TOC entry 5739 (class 0 OID 0)
-- Dependencies: 1186
-- Name: FUNCTION st_pointfromtext(text); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_pointfromtext(text) IS 'args: WKT - Makes a point
Geometry from WKT with the given SRID. If SRID is not given, it defaults to
unknown.';
```

```
--
-- TOC entry 1188 (class 1255 OID 17059)
-- Name: st_pointfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_pointfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromText($1, $2)) = 'POINT'
THEN ST_GeomFromText($1, $2)
ELSE NULL END
$_$;
```

```
--
-- TOC entry 5740 (class 0 OID 0)
-- Dependencies: 1188
-- Name: FUNCTION st_pointfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_pointfromtext(text, integer) IS 'args: WKT, srid -
Makes a point Geometry from WKT with the given SRID. If SRID is not given, it
defaults to unknown.';
```

```
--
-- TOC entry 1238 (class 1255 OID 17108)
-- Name: st_pointfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_pointfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'POINT'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$;
```

```
--
-- TOC entry 1236 (class 1255 OID 17106)
-- Name: st_pointfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_pointfromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1, $2)) = 'POINT'
  THEN ST_GeomFromWKB($1, $2)
  ELSE NULL END
  $_$;
```

```
--
-- TOC entry 1150 (class 1255 OID 17021)
-- Name: st_pointn(geometry, integer); Type: FUNCTION; Schema: public; Owner:
-
--
```

```
CREATE FUNCTION st_pointn(geometry, integer) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_pointn_linestring';
```

```
--
-- TOC entry 5741 (class 0 OID 0)
-- Dependencies: 1150
-- Name: FUNCTION st_pointn(geometry, integer); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_pointn(geometry, integer) IS 'args: a_linestring, n -
Return the Nth point in the first linestring or circular linestring in the geometry.
Return NULL if there is no linestring in the geometry.';
```

```
--
-- TOC entry 1090 (class 1255 OID 16961)
-- Name: st_pointonsurface(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_pointonsurface(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT COST 100
  AS '$libdir/postgis-1.5', 'pointonsurface';
```

```
--
-- TOC entry 5742 (class 0 OID 0)
-- Dependencies: 1090
-- Name: FUNCTION st_pointonsurface(geometry); Type: COMMENT; Schema: public;
Owner: -
--
```

```
COMMENT ON FUNCTION st_pointonsurface(geometry) IS 'args: g1 - Returns a POINT
guaranteed to lie on the surface.';
```

```
--
-- TOC entry 1197 (class 1255 OID 17067)
-- Name: st_polyfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_polyfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(ST_GeomFromText($1)) = 'POLYGON'
```

```

        THEN ST_GeomFromText($1)
        ELSE NULL END
        $_$;

--
-- TOC entry 1199 (class 1255 OID 17069)
-- Name: st_polyfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_polyfromtext(text, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromText($1, $2)) = 'POLYGON'
THEN ST_GeomFromText($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 1250 (class 1255 OID 17120)
-- Name: st_polyfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_polyfromwkb(bytea) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1)) = 'POLYGON'
THEN ST_GeomFromWKB($1)
ELSE NULL END
$_$;

--
-- TOC entry 1248 (class 1255 OID 17118)
-- Name: st_polyfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_polyfromwkb(bytea, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1, $2)) = 'POLYGON'
THEN ST_GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 1322 (class 1255 OID 17188)
-- Name: st_polygon(geometry, integer); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_polygon(geometry, integer) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$
SELECT setSRID(makepolygon($1), $2)
$_$;

--
-- TOC entry 5743 (class 0 OID 0)
-- Dependencies: 1322
-- Name: FUNCTION st_polygon(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_polygon(geometry, integer) IS 'args: aLineString, srid
- Returns a polygon built from the specified linestring and SRID.';

```

```

--
-- TOC entry 1203 (class 1255 OID 17073)
-- Name: st_polygonfromtext(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_polygonfromtext(text) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT ST_PolyFromText($1)$$_$;

--
-- TOC entry 5744 (class 0 OID 0)
-- Dependencies: 1203
-- Name: FUNCTION st_polygonfromtext(text); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_polygonfromtext(text) IS 'args: WKT - Makes a Geometry
from WKT with the given SRID. If SRID is not give, it defaults to -1.';

--
-- TOC entry 1201 (class 1255 OID 17071)
-- Name: st_polygonfromtext(text, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_polygonfromtext(text, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$SELECT PolyFromText($1, $2)$$_$;

--
-- TOC entry 5745 (class 0 OID 0)
-- Dependencies: 1201
-- Name: FUNCTION st_polygonfromtext(text, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_polygonfromtext(text, integer) IS 'args: WKT, srid -
Makes a Geometry from WKT with the given SRID. If SRID is not give, it defaults to -
1.';

--
-- TOC entry 1255 (class 1255 OID 17124)
-- Name: st_polygonfromwkb(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_polygonfromwkb(bytea) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$
  SELECT CASE WHEN geometrytype(GeomFromWKB($1)) = 'POLYGON'
  THEN GeomFromWKB($1)
  ELSE NULL END
  $_$;

--
-- TOC entry 1253 (class 1255 OID 17122)
-- Name: st_polygonfromwkb(bytea, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_polygonfromwkb(bytea, integer) RETURNS geometry
  LANGUAGE sql IMMUTABLE STRICT
  AS $_$

```

```

SELECT CASE WHEN geometrytype(ST_GeomFromWKB($1,$2)) = 'POLYGON'
THEN ST_GeomFromWKB($1, $2)
ELSE NULL END
$_$;

--
-- TOC entry 901 (class 1255 OID 16717)
-- Name: st_polygonize(geometry[]); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_polygonize(geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'polygonize_garray';

--
-- TOC entry 5746 (class 0 OID 0)
-- Dependencies: 901
-- Name: FUNCTION st_polygonize(geometry[]); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_polygonize(geometry[]) IS 'args: geom_array -
Aggregate. Creates a GeometryCollection containing possible polygons formed from the
constituent linework of a set of geometries.';

--
-- TOC entry 900 (class 1255 OID 16716)
-- Name: st_polygonize_garray(geometry[]); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_polygonize_garray(geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'polygonize_garray';

--
-- TOC entry 718 (class 1255 OID 16501)
-- Name: st_postgis_gist_joinsel(internal, oid, internal, smallint); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_postgis_gist_joinsel(internal, oid, internal, smallint)
RETURNS double precision
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_joinsel';

--
-- TOC entry 717 (class 1255 OID 16500)
-- Name: st_postgis_gist_sel(internal, oid, internal, integer); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_postgis_gist_sel(internal, oid, internal, integer) RETURNS
double precision
LANGUAGE c
AS '$libdir/postgis-1.5', 'LWGEOM_gist_sel';

--
-- TOC entry 1052 (class 1255 OID 16923)
-- Name: st_relate(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_relate(geometry, geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT

```

```

        AS '$libdir/postgis-1.5', 'relate_full';

--
-- TOC entry 5747 (class 0 OID 0)
-- Dependencies: 1052
-- Name: FUNCTION st_relate(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_relate(geometry, geometry) IS 'args: geomA, geomB -
Returns true if this Geometry is spatially related to anotherGeometry, by testing for
intersections between the Interior, Boundary and Exterior of the two geometries as
specified by the values in the intersectionMatrixPattern. If no
intersectionMatrixPattern is passed in, then returns the maximum
intersectionMatrixPattern that relates the 2 geometries.';

--
-- TOC entry 1054 (class 1255 OID 16925)
-- Name: st_relate(geometry, geometry, text); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_relate(geometry, geometry, text) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'relate_pattern';

--
-- TOC entry 5748 (class 0 OID 0)
-- Dependencies: 1054
-- Name: FUNCTION st_relate(geometry, geometry, text); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_relate(geometry, geometry, text) IS 'args: geomA,
geomB, intersectionMatrixPattern - Returns true if this Geometry is spatially related
to anotherGeometry, by testing for intersections between the Interior, Boundary and
Exterior of the two geometries as specified by the values in the
intersectionMatrixPattern. If no intersectionMatrixPattern is passed in, then returns
the maximum intersectionMatrixPattern that relates the 2 geometries.';

--
-- TOC entry 889 (class 1255 OID 16705)
-- Name: st_removepoint(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_removepoint(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_removepoint';

--
-- TOC entry 5749 (class 0 OID 0)
-- Dependencies: 889
-- Name: FUNCTION st_removepoint(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_removepoint(geometry, integer) IS 'args: linestring,
offset - Removes point from a linestring. Offset is 0-based.';

--
-- TOC entry 841 (class 1255 OID 16657)
-- Name: st_reverse(geometry); Type: FUNCTION; Schema: public; Owner: -

```

```

--
CREATE FUNCTION st_reverse(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_reverse';

--
-- TOC entry 5750 (class 0 OID 0)
-- Dependencies: 841
-- Name: FUNCTION st_reverse(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_reverse(geometry) IS 'args: g1 - Returns the geometry
with vertex order reversed.';

--
-- TOC entry 658 (class 1255 OID 16419)
-- Name: st_rotate(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_rotate(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT rotateZ($1, $2)$$_$;

--
-- TOC entry 5751 (class 0 OID 0)
-- Dependencies: 658
-- Name: FUNCTION st_rotate(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_rotate(geometry, double precision) IS 'args: geomA,
rotZRadians - This is a synonym for ST_RotateZ';

--
-- TOC entry 660 (class 1255 OID 16421)
-- Name: st_rotatex(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_rotatex(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT affine($1, 1, 0, 0, 0, cos($2), -sin($2), 0, sin($2),
cos($2), 0, 0, 0)$$_$;

--
-- TOC entry 5752 (class 0 OID 0)
-- Dependencies: 660
-- Name: FUNCTION st_rotatex(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--

COMMENT ON FUNCTION st_rotatex(geometry, double precision) IS 'args: geomA,
rotRadians - Rotate a geometry rotRadians about the X axis.';

--
-- TOC entry 662 (class 1255 OID 16423)
-- Name: st_rotatey(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION st_rotatey(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT

```



```
        AS $$SELECT affine($1, cos($2), 0, sin($2), 0, 1, 0, -sin($2), 0,
cos($2), 0, 0, 0)$$;
```

```
--
-- TOC entry 5753 (class 0 OID 0)
-- Dependencies: 662
-- Name: FUNCTION st_rotatey(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_rotatey(geometry, double precision) IS 'args: geomA,
rotRadians - Rotate a geometry rotRadians about the Y axis.';
```

```
--
-- TOC entry 656 (class 1255 OID 16417)
-- Name: st_rotatez(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_rotatez(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT affine($1, cos($2), -sin($2), 0, sin($2), cos($2), 0, 0,
0, 1, 0, 0, 0)$$;
```

```
--
-- TOC entry 5754 (class 0 OID 0)
-- Dependencies: 656
-- Name: FUNCTION st_rotatez(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_rotatez(geometry, double precision) IS 'args: geomA,
rotRadians - Rotate a geometry rotRadians about the Z axis.';
```

```
--
-- TOC entry 670 (class 1255 OID 16431)
-- Name: st_scale(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_scale(geometry, double precision, double precision) RETURNS
geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT scale($1, $2, $3, 1)$$;
```

```
--
-- TOC entry 5755 (class 0 OID 0)
-- Dependencies: 670
-- Name: FUNCTION st_scale(geometry, double precision, double precision);
Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_scale(geometry, double precision, double precision) IS
'args: geomA, XFactor, YFactor - Scales the geometry to a new size by multiplying the
ordinates with the parameters. Ie: ST_Scale(geom, Xfactor, Yfactor, Zfactor).';
```

```
--
-- TOC entry 668 (class 1255 OID 16429)
-- Name: st_scale(geometry, double precision, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_scale(geometry, double precision, double precision, double
precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT affine($1, $2, 0, 0, 0, $3, 0, 0, 0, $4, 0, 0, 0)$$_$;
```

```
--
-- TOC entry 5756 (class 0 OID 0)
-- Dependencies: 668
-- Name: FUNCTION st_scale(geometry, double precision, double precision,
double precision); Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_scale(geometry, double precision, double precision,
double precision) IS 'args: geomA, XFactor, YFactor, ZFactor - Scales the geometry to
a new size by multiplying the ordinates with the parameters. Ie: ST_Scale(geom,
Xfactor, Yfactor, Zfactor).';
```

```
--
-- TOC entry 998 (class 1255 OID 16854)
-- Name: st_segmentize(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_segmentize(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_segmentize2d';
```

```
--
-- TOC entry 5757 (class 0 OID 0)
-- Dependencies: 998
-- Name: FUNCTION st_segmentize(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_segmentize(geometry, double precision) IS 'args: geomA,
max_length - Return a modified geometry having no segment longer than the given
distance. Distance computation is performed in 2d only.';
```

```
--
-- TOC entry 776 (class 1255 OID 16592)
-- Name: st_setfactor(chip, real); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_setfactor(chip, real) RETURNS chip
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_setFactor';
```

```
--
-- TOC entry 891 (class 1255 OID 16707)
-- Name: st_setpoint(geometry, integer, geometry); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_setpoint(geometry, integer, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_setpoint_linestring';
```

```
--
-- TOC entry 5758 (class 0 OID 0)
-- Dependencies: 891
-- Name: FUNCTION st_setpoint(geometry, integer, geometry); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_setpoint(geometry, integer, geometry) IS 'args:
linestring, zerobasedposition, point - Replace point N of linestring with given
point. Index is 0-based.';
```

```
--
-- TOC entry 1170 (class 1255 OID 17041)
-- Name: st_setsrid(geometry, integer); Type: FUNCTION; Schema: public; Owner:
```

```
CREATE FUNCTION st_setsrid(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_setsrid';
```

```
--
-- TOC entry 5759 (class 0 OID 0)
-- Dependencies: 1170
-- Name: FUNCTION st_setsrid(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
```

```
COMMENT ON FUNCTION st_setsrid(geometry, integer) IS 'args: geom, srid - Sets
the SRID on a geometry to a particular integer value.';
```

```
--
-- TOC entry 674 (class 1255 OID 16435)
-- Name: st_shift_longitude(geometry); Type: FUNCTION; Schema: public; Owner:
```

```
CREATE FUNCTION st_shift_longitude(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_longitude_shift';
```

```
--
-- TOC entry 5760 (class 0 OID 0)
-- Dependencies: 674
-- Name: FUNCTION st_shift_longitude(geometry); Type: COMMENT; Schema: public;
Owner: -
```

```
COMMENT ON FUNCTION st_shift_longitude(geometry) IS 'args: geomA - Reads every
point/vertex in every component of every feature in a geometry, and if the longitude
coordinate is <0, adds 360 to it. The result would be a 0-360 version of the data to
be plotted in a 180 centric map';
```

```
--
-- TOC entry 1287 (class 1255 OID 17156)
-- Name: st_shortestline(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
```

```
CREATE FUNCTION st_shortestline(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_shortestline2d';
```

```
--
-- TOC entry 5761 (class 0 OID 0)
-- Dependencies: 1287
-- Name: FUNCTION st_shortestline(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
```

```
COMMENT ON FUNCTION st_shortestline(geometry, geometry) IS 'args: g1, g2 -
Returns the 2-dimensional shortest line between two geometries';
```

```
--
-- TOC entry 988 (class 1255 OID 16844)
-- Name: st_simplify(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_simplify(geometry, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_simplify2d';
```

```
--
-- TOC entry 5762 (class 0 OID 0)
-- Dependencies: 988
-- Name: FUNCTION st_simplify(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_simplify(geometry, double precision) IS 'args: geomA,
tolerance - Returns a "simplified" version of the given geometry using the Douglas-
Peucker algorithm.';
```

```
--
-- TOC entry 1023 (class 1255 OID 16879)
-- Name: st_simplifypreservetopology(geometry, double precision); Type:
FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_simplifypreservetopology(geometry, double precision)
RETURNS geometry
LANGUAGE c IMMUTABLE STRICT COST 100
AS '$libdir/postgis-1.5', 'topologypreservesimplify';
```

```
--
-- TOC entry 5763 (class 0 OID 0)
-- Dependencies: 1023
-- Name: FUNCTION st_simplifypreservetopology(geometry, double precision);
Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_simplifypreservetopology(geometry, double precision) IS
'args: geomA, tolerance - Returns a "simplified" version of the given geometry using
the Douglas-Peucker algorithm. Will avoid creating derived geometries (polygons in
particular) that are invalid.';
```

```
--
-- TOC entry 994 (class 1255 OID 16850)
-- Name: st_snaptogrid(geometry, double precision); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_snaptogrid(geometry, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT ST_SnapToGrid($1, 0, 0, $2, $2)$$;
```

```
--
-- TOC entry 5764 (class 0 OID 0)
-- Dependencies: 994
-- Name: FUNCTION st_snaptogrid(geometry, double precision); Type: COMMENT;
Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_snaptogrid(geometry, double precision) IS 'args: geomA,
size - Snap all points of the input geometry to the grid defined by its origin and
cell size. Remove consecutive points falling on the same cell, eventually returning
NULL if output points are not enough to define a geometry of the given type.
Collapsed geometries in a collection are stripped from it. Useful for reducing
precision.';
```

```
--
-- TOC entry 992 (class 1255 OID 16848)
-- Name: st_snaptogrid(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_snaptogrid(geometry, double precision, double precision)
RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT ST_SnapToGrid($1, 0, 0, $2, $3)$$;
```

```
--
-- TOC entry 5765 (class 0 OID 0)
-- Dependencies: 992
-- Name: FUNCTION st_snaptogrid(geometry, double precision, double precision);
Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_snaptogrid(geometry, double precision, double
precision) IS 'args: geomA, sizeX, sizeY - Snap all points of the input geometry to
the grid defined by its origin and cell size. Remove consecutive points falling on
the same cell, eventually returning NULL if output points are not enough to define a
geometry of the given type. Collapsed geometries in a collection are stripped from
it. Useful for reducing precision.';
```

```
--
-- TOC entry 990 (class 1255 OID 16846)
-- Name: st_snaptogrid(geometry, double precision, double precision, double
precision, double precision); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_snaptogrid(geometry, double precision, double precision,
double precision, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_snaptogrid';
```

```
--
-- TOC entry 5766 (class 0 OID 0)
-- Dependencies: 990
-- Name: FUNCTION st_snaptogrid(geometry, double precision, double precision,
double precision, double precision); Type: COMMENT; Schema: public; Owner: -
--
```

```
COMMENT ON FUNCTION st_snaptogrid(geometry, double precision, double
precision, double precision, double precision) IS 'args: geomA, originX, originY,
sizeX, sizeY - Snap all points of the input geometry to the grid defined by its
origin and cell size. Remove consecutive points falling on the same cell, eventually
returning NULL if output points are not enough to define a geometry of the given
type. Collapsed geometries in a collection are stripped from it. Useful for reducing
precision.';
```

```
--
-- TOC entry 996 (class 1255 OID 16852)
-- Name: st_snaptogrid(geometry, geometry, double precision, double precision,
double precision, double precision); Type: FUNCTION; Schema: public; Owner: -
--
```

```

CREATE FUNCTION st_snaptogrid(geometry, geometry, double precision, double
precision, double precision, double precision) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_snaptogrid_pointoff';

--
-- TOC entry 5767 (class 0 OID 0)
-- Dependencies: 996
-- Name: FUNCTION st_snaptogrid(geometry, geometry, double precision, double
precision, double precision, double precision); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_snaptogrid(geometry, geometry, double precision, double
precision, double precision, double precision) IS 'args: geomA, pointOrigin, sizeX,
sizeY, sizeZ, sizeM - Snap all points of the input geometry to the grid defined by
its origin and cell size. Remove consecutive points falling on the same cell,
eventually returning NULL if output points are not enough to define a geometry of the
given type. Collapsed geometries in a collection are stripped from it. Useful for
reducing precision.';

--
-- TOC entry 625 (class 1255 OID 16395)
-- Name: st_spheroid_in(cstring); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_spheroid_in(cstring) RETURNS spheroid
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'ellipsoid_in';

--
-- TOC entry 629 (class 1255 OID 16396)
-- Name: st_spheroid_out(spheroid); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_spheroid_out(spheroid) RETURNS cstring
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'ellipsoid_out';

--
-- TOC entry 763 (class 1255 OID 16579)
-- Name: st_srid(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_srid(chip) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_getSRID';

--
-- TOC entry 1168 (class 1255 OID 17039)
-- Name: st_srid(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_srid(geometry) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_getSRID';

--
-- TOC entry 5768 (class 0 OID 0)
-- Dependencies: 1168
-- Name: FUNCTION st_srid(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_srid(geometry) IS 'args: g1 - Returns the spatial
reference identifier for the ST_Geometry as defined in spatial_ref_sys table.';

```

```

--
-- TOC entry 1160 (class 1255 OID 17031)
-- Name: st_startpoint(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_startpoint(geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_startpoint_linestring';

--
-- TOC entry 5769 (class 0 OID 0)
-- Dependencies: 1160
-- Name: FUNCTION st_startpoint(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_startpoint(geometry) IS 'args: geomA - Returns the
first point of a LINESTRING geometry as a POINT.';

--
-- TOC entry 780 (class 1255 OID 16596)
-- Name: st_summary(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_summary(geometry) RETURNS text
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_summary';

--
-- TOC entry 5770 (class 0 OID 0)
-- Dependencies: 780
-- Name: FUNCTION st_summary(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_summary(geometry) IS 'args: g - Returns a text summary
of the contents of the ST_Geometry.';

--
-- TOC entry 1032 (class 1255 OID 16888)
-- Name: st_syndifference(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION st_syndifference(geometry, geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'syndifference';

--
-- TOC entry 5771 (class 0 OID 0)
-- Dependencies: 1032
-- Name: FUNCTION st_syndifference(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_syndifference(geometry, geometry) IS 'args: geomA,
geomB - Returns a geometry that represents the portions of A and B that do not
intersect. It is called a symmetric difference because ST_SymDifference(A,B) =
ST_SymDifference(B,A).';

--

```

```
-- TOC entry 1034 (class 1255 OID 16890)
-- Name: st_symmetricdifference(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--
```

```
CREATE FUNCTION st_symmetricdifference(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'symdifference';
```

```
--
-- TOC entry 969 (class 1255 OID 16803)
-- Name: st_text(geometry); Type: FUNCTION; Schema: public; Owner: -
--
```

```
CREATE FUNCTION st_text(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_text';
```

```
--
-- TOC entry 1059 (class 1255 OID 16930)
-- Name: st_touches(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_touches(geometry, geometry) RETURNS boolean
LANGUAGE sql IMMUTABLE
AS $$SELECT $1 && $2 AND _ST_Touches($1,$2)$_$;
```

```
--
-- TOC entry 5772 (class 0 OID 0)
-- Dependencies: 1059
-- Name: FUNCTION st_touches(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_touches(geometry, geometry) IS 'args: g1, g2 - Returns
TRUE if the geometries have at least one point in common, but their interiors do not
intersect.';
```

```
--
-- TOC entry 951 (class 1255 OID 16785)
-- Name: st_transform(geometry, integer); Type: FUNCTION; Schema: public;
Owner: -
--
```

```
CREATE FUNCTION st_transform(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'transform';
```

```
--
-- TOC entry 5773 (class 0 OID 0)
-- Dependencies: 951
-- Name: FUNCTION st_transform(geometry, integer); Type: COMMENT; Schema:
public; Owner: -
--
```

```
COMMENT ON FUNCTION st_transform(geometry, integer) IS 'args: g1, srid -
Returns a new geometry with its coordinates transformed to the SRID referenced by the
integer parameter.';
```

```
--
-- TOC entry 666 (class 1255 OID 16427)
-- Name: st_translate(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--
```



```

CREATE FUNCTION st_translate(geometry, double precision, double precision)
RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT translate($1, $2, $3, 0)$$_$;

--
-- TOC entry 5774 (class 0 OID 0)
-- Dependencies: 666
-- Name: FUNCTION st_translate(geometry, double precision, double precision);
Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_translate(geometry, double precision, double precision)
IS 'args: g1, deltax, deltax - Translates the geometry to a new location using the
numeric parameters as offsets. Ie: ST_Translate(geom, X, Y) or ST_Translate(geom, X,
Y,Z).';

--
-- TOC entry 664 (class 1255 OID 16425)
-- Name: st_translate(geometry, double precision, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_translate(geometry, double precision, double precision,
double precision) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT affine($1, 1, 0, 0, 0, 1, 0, 0, 0, 1, $2, $3, $4)$$_$;

--
-- TOC entry 5775 (class 0 OID 0)
-- Dependencies: 664
-- Name: FUNCTION st_translate(geometry, double precision, double precision,
double precision); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_translate(geometry, double precision, double precision,
double precision) IS 'args: g1, deltax, deltax, deltax - Translates the geometry to a
new location using the numeric parameters as offsets. Ie: ST_Translate(geom, X, Y) or
ST_Translate(geom, X, Y,Z).';

--
-- TOC entry 672 (class 1255 OID 16433)
-- Name: st_transscale(geometry, double precision, double precision, double
precision, double precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_transscale(geometry, double precision, double precision,
double precision, double precision) RETURNS geometry
    LANGUAGE sql IMMUTABLE STRICT
    AS $_$SELECT affine($1, $4, 0, 0, 0, $5, 0,
0, 0, 1, $2 * $4, $3 * $5, 0)$$_$;

--
-- TOC entry 5776 (class 0 OID 0)
-- Dependencies: 672
-- Name: FUNCTION st_transscale(geometry, double precision, double precision,
double precision, double precision); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_transscale(geometry, double precision, double
precision, double precision, double precision) IS 'args: geomA, deltaX, deltaY,
XFactor, YFactor - Translates the geometry using the deltaX and deltaY args, then
scales it using the XFactor, YFactor args, working in 2D only.';

```

```

--
-- TOC entry 1050 (class 1255 OID 16914)
-- Name: st_union(geometry[]); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_union(geometry[]) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'pgis_union_geometry_array';

--
-- TOC entry 5777 (class 0 OID 0)
-- Dependencies: 1050
-- Name: FUNCTION st_union(geometry[]); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON FUNCTION st_union(geometry[]) IS 'args: g1_array - Returns a
geometry that represents the point set union of the Geometries.';

--
-- TOC entry 1036 (class 1255 OID 16892)
-- Name: st_union(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION st_union(geometry, geometry) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'geomunion';

--
-- TOC entry 5778 (class 0 OID 0)
-- Dependencies: 1036
-- Name: FUNCTION st_union(geometry, geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON FUNCTION st_union(geometry, geometry) IS 'args: g1, g2 - Returns a
geometry that represents the point set union of the Geometries.';

--
-- TOC entry 1049 (class 1255 OID 16913)
-- Name: st_unite_garray(geometry[]); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_unite_garray(geometry[]) RETURNS geometry
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'pgis_union_geometry_array';

--
-- TOC entry 769 (class 1255 OID 16585)
-- Name: st_width(chip); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_width(chip) RETURNS integer
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'CHIP_getWidth';

--
-- TOC entry 1070 (class 1255 OID 16941)
-- Name: st_within(geometry, geometry); Type: FUNCTION; Schema: public; Owner:
-
--

```

```

CREATE FUNCTION st_within(geometry, geometry) RETURNS boolean
    LANGUAGE sql IMMUTABLE
    AS $$SELECT $1 && $2 AND _ST_Within($1,$2)$_$;

--
-- TOC entry 5779 (class 0 OID 0)
-- Dependencies: 1070
-- Name: FUNCTION st_within(geometry, geometry); Type: COMMENT; Schema:
public; Owner: -
--

COMMENT ON FUNCTION st_within(geometry, geometry) IS 'args: A, B - Returns
true if the geometry A is completely inside geometry B';

--
-- TOC entry 1313 (class 1255 OID 17179)
-- Name: st_wkbtosql(bytea); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_wkbtosql(bytea) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_from_WKB';

--
-- TOC entry 5780 (class 0 OID 0)
-- Dependencies: 1313
-- Name: FUNCTION st_wkbtosql(bytea); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_wkbtosql(bytea) IS 'args: WKB - Return a specified
ST_Geometry value from Well-Known Binary representation (WKB). This is an alias name
for ST_GeomFromWKB that takes no srid';

--
-- TOC entry 1312 (class 1255 OID 17178)
-- Name: st_wkttosql(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_wkttosql(text) RETURNS geometry
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_from_text';

--
-- TOC entry 5781 (class 0 OID 0)
-- Dependencies: 1312
-- Name: FUNCTION st_wkttosql(text); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_wkttosql(text) IS 'args: WKT - Return a specified
ST_Geometry value from Well-Known Text representation (WKT). This is an alias name
for ST_GeomFromText';

--
-- TOC entry 1152 (class 1255 OID 17023)
-- Name: st_x(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_x(geometry) RETURNS double precision
    LANGUAGE c IMMUTABLE STRICT
    AS '$libdir/postgis-1.5', 'LWGEOM_x_point';

--

```

```

-- TOC entry 5782 (class 0 OID 0)
-- Dependencies: 1152
-- Name: FUNCTION st_x(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_x(geometry) IS 'args: a_point - Return the X coordinate
of the point, or NULL if not available. Input must be a point.';

--
-- TOC entry 691 (class 1255 OID 16457)
-- Name: st_xmax(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_xmax(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_xmax';

--
-- TOC entry 5783 (class 0 OID 0)
-- Dependencies: 691
-- Name: FUNCTION st_xmax(box3d); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_xmax(box3d) IS 'args: aGeomorBox2DorBox3D - Returns X
maxima of a bounding box 2d or 3d or a geometry.';

--
-- TOC entry 685 (class 1255 OID 16451)
-- Name: st_xmin(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_xmin(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_xmin';

--
-- TOC entry 5784 (class 0 OID 0)
-- Dependencies: 685
-- Name: FUNCTION st_xmin(box3d); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_xmin(box3d) IS 'args: aGeomorBox2DorBox3D - Returns X
minima of a bounding box 2d or 3d or a geometry.';

--
-- TOC entry 1154 (class 1255 OID 17025)
-- Name: st_y(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_y(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_y_point';

--
-- TOC entry 5785 (class 0 OID 0)
-- Dependencies: 1154
-- Name: FUNCTION st_y(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_y(geometry) IS 'args: a_point - Return the Y coordinate
of the point, or NULL if not available. Input must be a point.';

--
-- TOC entry 655 (class 1255 OID 16459)

```

```

-- Name: st_ymax(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_ymax(box3d) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX3D_ymax';

--
-- TOC entry 5786 (class 0 OID 0)
-- Dependencies: 655
-- Name: FUNCTION st_ymax(box3d); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_ymax(box3d) IS 'args: aGeomorBox2DorBox3D - Returns Y
maxima of a bounding box 2d or 3d or a geometry.';

--
-- TOC entry 687 (class 1255 OID 16453)
-- Name: st_ymin(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_ymin(box3d) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX3D_ymin';

--
-- TOC entry 5787 (class 0 OID 0)
-- Dependencies: 687
-- Name: FUNCTION st_ymin(box3d); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_ymin(box3d) IS 'args: aGeomorBox2DorBox3D - Returns Y
minima of a bounding box 2d or 3d or a geometry.';

--
-- TOC entry 1156 (class 1255 OID 17027)
-- Name: st_z(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_z(geometry) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'LWGEOM_z_point';

--
-- TOC entry 5788 (class 0 OID 0)
-- Dependencies: 1156
-- Name: FUNCTION st_z(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_z(geometry) IS 'args: a_point - Return the Z coordinate
of the point, or NULL if not available. Input must be a point.';

--
-- TOC entry 694 (class 1255 OID 16461)
-- Name: st_zmax(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_zmax(box3d) RETURNS double precision
  LANGUAGE c IMMUTABLE STRICT
  AS '$libdir/postgis-1.5', 'BOX3D_zmax';

--

```

```

-- TOC entry 5789 (class 0 OID 0)
-- Dependencies: 694
-- Name: FUNCTION st_zmax(box3d); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_zmax(box3d) IS 'args: aGeomorBox2DorBox3D - Returns Z
minima of a bounding box 2d or 3d or a geometry.';

--
-- TOC entry 847 (class 1255 OID 16663)
-- Name: st_zmflag(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_zmflag(geometry) RETURNS smallint
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_zmflag';

--
-- TOC entry 5790 (class 0 OID 0)
-- Dependencies: 847
-- Name: FUNCTION st_zmflag(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_zmflag(geometry) IS 'args: geomA - Returns ZM
(dimension semantic) flag of the geometries as a small int. Values are: 0=2d, 1=3dm,
2=3dz, 3=4d.';

--
-- TOC entry 689 (class 1255 OID 16455)
-- Name: st_zmin(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION st_zmin(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_zmin';

--
-- TOC entry 5791 (class 0 OID 0)
-- Dependencies: 689
-- Name: FUNCTION st_zmin(box3d); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION st_zmin(box3d) IS 'args: aGeomorBox2DorBox3D - Returns Z
minima of a bounding box 2d or 3d or a geometry.';

--
-- TOC entry 1159 (class 1255 OID 17030)
-- Name: startpoint(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION startpoint(geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_startpoint_linestring';

--
-- TOC entry 779 (class 1255 OID 16595)
-- Name: summary(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION summary(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_summary';

--

```

```

-- TOC entry 1031 (class 1255 OID 16887)
-- Name: symdifference(geometry, geometry); Type: FUNCTION; Schema: public;
Owner: -
--

CREATE FUNCTION symdifference(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'symdifference';

--
-- TOC entry 1033 (class 1255 OID 16889)
-- Name: symmetricdifference(geometry, geometry); Type: FUNCTION; Schema:
public; Owner: -
--

CREATE FUNCTION symmetricdifference(geometry, geometry) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'symdifference';

--
-- TOC entry 979 (class 1255 OID 16819)
-- Name: text(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION text(geometry) RETURNS text
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_to_text';

--
-- TOC entry 1057 (class 1255 OID 16928)
-- Name: touches(geometry, geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION touches(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'touches';

--
-- TOC entry 950 (class 1255 OID 16784)
-- Name: transform(geometry, integer); Type: FUNCTION; Schema: public; Owner:
-
--

CREATE FUNCTION transform(geometry, integer) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'transform';

--
-- TOC entry 665 (class 1255 OID 16426)
-- Name: translate(geometry, double precision, double precision); Type:
FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION translate(geometry, double precision, double precision)
RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $$SELECT translate($1, $2, $3, 0)$$_;

--
-- TOC entry 663 (class 1255 OID 16424)
-- Name: translate(geometry, double precision, double precision, double
precision); Type: FUNCTION; Schema: public; Owner: -
--

```

```

CREATE FUNCTION translate(geometry, double precision, double precision, double
precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT affine($1, 1, 0, 0, 0, 1, 0, 0, 0, 1, $2, $3, $4)$_$_;

--
-- TOC entry 671 (class 1255 OID 16432)
-- Name: transscale(geometry, double precision, double precision, double
precision, double precision); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION transscale(geometry, double precision, double precision,
double precision, double precision) RETURNS geometry
LANGUAGE sql IMMUTABLE STRICT
AS $_$SELECT affine($1, $4, 0, 0, 0, $5, 0,
0, 0, 1, $2 * $4, $3 * $5, 0)$_$_;

--
-- TOC entry 1048 (class 1255 OID 16912)
-- Name: unite_garray(geometry[]); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION unite_garray(geometry[]) RETURNS geometry
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'pgis_union_geometry_array';

--
-- TOC entry 1296 (class 1255 OID 17165)
-- Name: unlockkrows(text); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION unlockkrows(text) RETURNS integer
LANGUAGE plpgsql STRICT
AS $_$
DECLARE
    ret int;
BEGIN
    IF NOT LongTransactionsEnabled() THEN
        RAISE EXCEPTION 'Long transaction support disabled, use
EnableLongTransaction() to enable.';
    END IF;

    EXECUTE 'DELETE FROM authorization_table where authid = ' ||
quote_literal($1);

    GET DIAGNOSTICS ret = ROW_COUNT;

    RETURN ret;
END;
$_$_;

--
-- TOC entry 5792 (class 0 OID 0)
-- Dependencies: 1296
-- Name: FUNCTION unlockkrows(text); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION unlockkrows(text) IS 'args: auth_token - Remove all locks
held by specified authorization id. Returns the number of locks released.';

--
-- TOC entry 945 (class 1255 OID 16780)
-- Name: updategeometrysrid(character varying, character varying, integer);
Type: FUNCTION; Schema: public; Owner: -

```



```

--
CREATE FUNCTION updategeometrysrid(character varying, character varying,
integer) RETURNS text
    LANGUAGE plpgsql STRICT
    AS $_$
DECLARE
    ret text;
BEGIN
    SELECT UpdateGeometrySRID('', '$1,$2,$3') into ret;
    RETURN ret;
END;
$_$;

--
-- TOC entry 5793 (class 0 OID 0)
-- Dependencies: 945
-- Name: FUNCTION updategeometrysrid(character varying, character varying,
integer); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION updategeometrysrid(character varying, character varying,
integer) IS 'args: table_name, column_name, srid - Updates the SRID of all features
in a geometry column, geometry_columns metadata and srid table constraint';

--
-- TOC entry 944 (class 1255 OID 16779)
-- Name: updategeometrysrid(character varying, character varying, character
varying, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION updategeometrysrid(character varying, character varying,
character varying, integer) RETURNS text
    LANGUAGE plpgsql STRICT
    AS $_$
DECLARE
    ret text;
BEGIN
    SELECT UpdateGeometrySRID('', '$1,$2,$3,$4') into ret;
    RETURN ret;
END;
$_$;

--
-- TOC entry 5794 (class 0 OID 0)
-- Dependencies: 944
-- Name: FUNCTION updategeometrysrid(character varying, character varying,
character varying, integer); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON FUNCTION updategeometrysrid(character varying, character varying,
character varying, integer) IS 'args: schema_name, table_name, column_name, srid -
Updates the SRID of all features in a geometry column, geometry_columns metadata and
srid table constraint';

--
-- TOC entry 943 (class 1255 OID 16778)
-- Name: updategeometrysrid(character varying, character varying, character
varying, character varying, integer); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION updategeometrysrid(character varying, character varying,
character varying, character varying, integer) RETURNS text
    LANGUAGE plpgsql STRICT
    AS $_$

```

```

DECLARE
    catalog_name alias for $1;
    schema_name alias for $2;
    table_name alias for $3;
    column_name alias for $4;
    new_srid alias for $5;
    myrec RECORD;
    okay boolean;
    cname varchar;
    real_schema name;

BEGIN

    -- Find, check or fix schema_name
    IF ( schema_name != '' ) THEN
        okay = 'f';

        FOR myrec IN SELECT nspname FROM pg_namespace WHERE text(nspname)
= schema_name LOOP
            okay := 't';
        END LOOP;

        IF ( okay <> 't' ) THEN
            RAISE EXCEPTION 'Invalid schema name';
        ELSE
            real_schema = schema_name;
        END IF;
    ELSE
        SELECT INTO real_schema current_schema()::text;
    END IF;

    -- Ensure that column_name is in geometry_columns
    okay = 'f';
    FOR myrec IN SELECT * from geometry_columns where f_table_schema =
text(real_schema) and f_table_name = table_name and f_geometry_column = column_name
LOOP
        okay := 't';
    END LOOP;
    IF (okay <> 't') THEN
        RAISE EXCEPTION 'column not found in geometry_columns table';
        RETURN 'f';
    END IF;

    -- Ensure that new_srid is valid
    IF ( new_srid != -1 ) THEN
        IF ( SELECT count(*) = 0 from spatial_ref_sys where srid =
new_srid ) THEN
            RAISE EXCEPTION 'invalid SRID: % not found in
spatial_ref_sys', new_srid;
            RETURN false;
        END IF;
    END IF;

    -- Update ref from geometry_columns table
    EXECUTE 'UPDATE geometry_columns SET SRID = ' || new_srid::text ||
' where f_table_schema = ' ||
quote_literal(real_schema) || ' and f_table_name = ' ||
quote_literal(table_name) || ' and f_geometry_column = ' ||
quote_literal(column_name);

    -- Make up constraint name
    cname = 'enforce_srid_' || column_name;

    -- Drop enforce_srid constraint
    EXECUTE 'ALTER TABLE ' || quote_ident(real_schema) ||
'.' || quote_ident(table_name) ||
' DROP constraint ' || quote_ident(cname);

    -- Update geometries SRID
    EXECUTE 'UPDATE ' || quote_ident(real_schema) ||

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```

        '.' || quote_ident(table_name) ||
        ' SET ' || quote_ident(column_name) ||
        ' = ST_SetSRID(' || quote_ident(column_name) ||
        ', ' || new_srid::text || ')';

-- Reset enforce_srid constraint
EXECUTE 'ALTER TABLE ' || quote_ident(real_schema) ||
        '.' || quote_ident(table_name) ||
        ' ADD constraint ' || quote_ident(cname) ||
        ' CHECK (st_srid(' || quote_ident(column_name) ||
        ') = ' || new_srid::text || ')';

RETURN real_schema || '.' || table_name || '.' || column_name || ' SRID
changed to ' || new_srid::text;

END;
$_$;

--
-- TOC entry 5795 (class 0 OID 0)
-- Dependencies: 943
-- Name: FUNCTION updategeometrysrid(character varying, character varying,
character varying, character varying, integer); Type: COMMENT; Schema: public; Owner:
-
--
COMMENT ON FUNCTION updategeometrysrid(character varying, character varying,
character varying, character varying, integer) IS 'args: catalog_name, schema_name,
table_name, column_name, srid - Updates the SRID of all features in a geometry
column, geometry_columns metadata and srid table constraint';

--
-- TOC entry 768 (class 1255 OID 16584)
-- Name: width(chip); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION width(chip) RETURNS integer
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'CHIP_getWidth';

--
-- TOC entry 1068 (class 1255 OID 16939)
-- Name: within(geometry, geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION within(geometry, geometry) RETURNS boolean
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'within';

--
-- TOC entry 1151 (class 1255 OID 17022)
-- Name: x(geometry); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION x(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_x_point';

--
-- TOC entry 690 (class 1255 OID 16456)
-- Name: xmax(box3d); Type: FUNCTION; Schema: public; Owner: -
--
CREATE FUNCTION xmax(box3d) RETURNS double precision

```

```

LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_xmax';

--
-- TOC entry 684 (class 1255 OID 16450)
-- Name: xmin(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION xmin(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_xmin';

--
-- TOC entry 1153 (class 1255 OID 17024)
-- Name: y(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION y(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_y_point';

--
-- TOC entry 692 (class 1255 OID 16458)
-- Name: ymax(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION ymax(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_ymax';

--
-- TOC entry 686 (class 1255 OID 16452)
-- Name: ymin(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION ymin(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_ymin';

--
-- TOC entry 1155 (class 1255 OID 17026)
-- Name: z(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION z(geometry) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'LWGEOM_z_point';

--
-- TOC entry 693 (class 1255 OID 16460)
-- Name: zmax(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION zmax(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_zmax';

--
-- TOC entry 846 (class 1255 OID 16662)
-- Name: zmflag(geometry); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION zmflag(geometry) RETURNS smallint
LANGUAGE c IMMUTABLE STRICT

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```

AS '$libdir/postgis-1.5', 'LWGEOM_zmflag';

--
-- TOC entry 688 (class 1255 OID 16454)
-- Name: zmin(box3d); Type: FUNCTION; Schema: public; Owner: -
--

CREATE FUNCTION zmin(box3d) RETURNS double precision
LANGUAGE c IMMUTABLE STRICT
AS '$libdir/postgis-1.5', 'BOX3D_zmin';

--
-- TOC entry 3157 (class 1255 OID 16910)
-- Name: accum(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE accum(geometry) (
SFUNC = pgis_geometry_accum_transfn,
STYPE = pgis_abs,
FINALFUNC = pgis_geometry_accum_finalfn
);

--
-- TOC entry 3160 (class 1255 OID 16916)
-- Name: collect(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE collect(geometry) (
SFUNC = pgis_geometry_accum_transfn,
STYPE = pgis_abs,
FINALFUNC = pgis_geometry_collect_finalfn
);

--
-- TOC entry 3150 (class 1255 OID 16733)
-- Name: extent(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE extent(geometry) (
SFUNC = public.st_combine_bbox,
STYPE = box3d_extent
);

--
-- TOC entry 3149 (class 1255 OID 16737)
-- Name: extent3d(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE extent3d(geometry) (
SFUNC = public.combine_bbox,
STYPE = box3d
);

--
-- TOC entry 3164 (class 1255 OID 16920)
-- Name: makeline(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE makeline(geometry) (
SFUNC = pgis_geometry_accum_transfn,
STYPE = pgis_abs,
FINALFUNC = pgis_geometry_makeline_finalfn
);

```

```

--
-- TOC entry 3153 (class 1255 OID 16895)
-- Name: memcollect(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE memcollect(geometry) (
    SFUNC = public.st_collect,
    STYPE = geometry
);

--
-- TOC entry 3155 (class 1255 OID 16898)
-- Name: memgeomunion(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE memgeomunion(geometry) (
    SFUNC = geomunion,
    STYPE = geometry
);

--
-- TOC entry 3162 (class 1255 OID 16918)
-- Name: polygonize(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE polygonize(geometry) (
    SFUNC = pgis_geometry_accum_transfn,
    STYPE = pgis_abs,
    FINALFUNC = pgis_geometry_polygonize_finalfn
);

--
-- TOC entry 3158 (class 1255 OID 16911)
-- Name: st_accum(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_accum(geometry) (
    SFUNC = pgis_geometry_accum_transfn,
    STYPE = pgis_abs,
    FINALFUNC = pgis_geometry_accum_finalfn
);

--
-- TOC entry 5796 (class 0 OID 0)
-- Dependencies: 3158
-- Name: AGGREGATE st_accum(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON AGGREGATE st_accum(geometry) IS 'args: geomfield - Aggregate.
Constructs an array of geometries.';

--
-- TOC entry 3161 (class 1255 OID 16917)
-- Name: st_collect(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_collect(geometry) (
    SFUNC = pgis_geometry_accum_transfn,
    STYPE = pgis_abs,
    FINALFUNC = pgis_geometry_collect_finalfn
);

--

```

```

-- TOC entry 5797 (class 0 OID 0)
-- Dependencies: 3161
-- Name: AGGREGATE st_collect(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON AGGREGATE st_collect(geometry) IS 'args: glfield - Return a
specified ST_Geometry value from a collection of other geometries.';

--
--
-- TOC entry 3151 (class 1255 OID 16734)
-- Name: st_extent(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_extent(geometry) (
    SFUNC = public.st_combine_bbox,
    STYPE = box3d_extent
);

--
--
-- TOC entry 5798 (class 0 OID 0)
-- Dependencies: 3151
-- Name: AGGREGATE st_extent(geometry); Type: COMMENT; Schema: public; Owner:
-
--

COMMENT ON AGGREGATE st_extent(geometry) IS 'args: geomfield - an aggregate
function that returns the bounding box that bounds rows of geometries.';

--
--
-- TOC entry 3152 (class 1255 OID 16738)
-- Name: st_extent3d(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_extent3d(geometry) (
    SFUNC = public.st_combine_bbox,
    STYPE = box3d
);

--
--
-- TOC entry 5799 (class 0 OID 0)
-- Dependencies: 3152
-- Name: AGGREGATE st_extent3d(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON AGGREGATE st_extent3d(geometry) IS 'args: geomfield - an aggregate
function that returns the box3D bounding box that bounds rows of geometries.';

--
--
-- TOC entry 3165 (class 1255 OID 16921)
-- Name: st_makeline(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_makeline(geometry) (
    SFUNC = pgis_geometry_accum_transfn,
    STYPE = pgis_abs,
    FINALFUNC = pgis_geometry_makeline_finalfn
);

--
--
-- TOC entry 5800 (class 0 OID 0)
-- Dependencies: 3165

```

```

-- Name: AGGREGATE st_makeline(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON AGGREGATE st_makeline(geometry) IS 'args: pointfield - Creates a
Linestring from point geometries.';

--
-- TOC entry 3154 (class 1255 OID 16896)
-- Name: st_memcollect(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_memcollect(geometry) (
    SFUNC = public.st_collect,
    STYPE = geometry
);

--
-- TOC entry 3156 (class 1255 OID 16899)
-- Name: st_memunion(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_memunion(geometry) (
    SFUNC = public.st_union,
    STYPE = geometry
);

--
-- TOC entry 5801 (class 0 OID 0)
-- Dependencies: 3156
-- Name: AGGREGATE st_memunion(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON AGGREGATE st_memunion(geometry) IS 'args: geomfield - Same as
ST_Union, only memory-friendly (uses less memory and more processor time).';

--
-- TOC entry 3163 (class 1255 OID 16919)
-- Name: st_polygonize(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_polygonize(geometry) (
    SFUNC = pgis_geometry_accum_transfn,
    STYPE = pgis_abs,
    FINALFUNC = pgis_geometry_polygonize_finalfn
);

--
-- TOC entry 5802 (class 0 OID 0)
-- Dependencies: 3163
-- Name: AGGREGATE st_polygonize(geometry); Type: COMMENT; Schema: public;
Owner: -
--

COMMENT ON AGGREGATE st_polygonize(geometry) IS 'args: geomfield - Aggregate.
Creates a GeometryCollection containing possible polygons formed from the constituent
linework of a set of geometries.';

--
-- TOC entry 3159 (class 1255 OID 16915)
-- Name: st_union(geometry); Type: AGGREGATE; Schema: public; Owner: -
--

CREATE AGGREGATE st_union(geometry) (

```



```

        SFUNC = pgis_geometry_accum_transfn,
        STYPE = pgis_abs,
        FINALFUNC = pgis_geometry_union_finalfn
    );

--
-- TOC entry 5803 (class 0 OID 0)
-- Dependencies: 3159
-- Name: AGGREGATE st_union(geometry); Type: COMMENT; Schema: public; Owner: -
--

COMMENT ON AGGREGATE st_union(geometry) IS 'args: glfield - Returns a geometry
that represents the point set union of the Geometries.';

--
-- TOC entry 3881 (class 2617 OID 16537)
-- Name: &&; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR && (
    PROCEDURE = geometry_overlap,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = &&,
    RESTRICT = geometry_gist_sel,
    JOIN = geometry_gist_joinsel
);

--
-- TOC entry 3889 (class 2617 OID 17234)
-- Name: &&; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR && (
    PROCEDURE = geography_overlaps,
    LEFTARG = geography,
    RIGHTARG = geography,
    COMMUTATOR = &&,
    RESTRICT = geography_gist_selectivity,
    JOIN = geography_gist_join_selectivity
);

--
-- TOC entry 3878 (class 2617 OID 16532)
-- Name: &<; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR &< (
    PROCEDURE = geometry_overleft,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = &>,
    RESTRICT = positionsel,
    JOIN = positionjoinsel
);

--
-- TOC entry 3880 (class 2617 OID 16536)
-- Name: &<|; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR &<| (
    PROCEDURE = geometry_overbelow,
    LEFTARG = geometry,

```

```

    RIGHTARG = geometry,
    COMMUTATOR = |&>,
    RESTRICT = positionsel,
    JOIN = positionjoinsel
);

--
-- TOC entry 3882 (class 2617 OID 16531)
-- Name: &>; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR &> (
    PROCEDURE = geometry_outright,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = &<,
    RESTRICT = positionsel,
    JOIN = positionjoinsel
);

--
-- TOC entry 3872 (class 2617 OID 16487)
-- Name: <; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR < (
    PROCEDURE = geometry_lt,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = >,
    NEGATOR = >=,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3890 (class 2617 OID 17253)
-- Name: <; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR < (
    PROCEDURE = geography_lt,
    LEFTARG = geography,
    RIGHTARG = geography,
    COMMUTATOR = >,
    NEGATOR = >=,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3877 (class 2617 OID 16530)
-- Name: <<; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR << (
    PROCEDURE = geometry_left,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = >>,
    RESTRICT = positionsel,
    JOIN = positionjoinsel
);

--
-- TOC entry 3879 (class 2617 OID 16534)

```

```

-- Name: <<|; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR <<| (
    PROCEDURE = geometry_below,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = |>>,
    RESTRICT = positionsel,
    JOIN = positionjoinsel
);

--
-- TOC entry 3873 (class 2617 OID 16488)
-- Name: <=; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR <= (
    PROCEDURE = geometry_le,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = >=,
    NEGATOR = >,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3891 (class 2617 OID 17254)
-- Name: <=; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR <= (
    PROCEDURE = geography_le,
    LEFTARG = geography,
    RIGHTARG = geography,
    COMMUTATOR = >=,
    NEGATOR = >,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3874 (class 2617 OID 16489)
-- Name: =; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR = (
    PROCEDURE = geometry_eq,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = =,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3892 (class 2617 OID 17255)
-- Name: =; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR = (
    PROCEDURE = geography_eq,
    LEFTARG = geography,
    RIGHTARG = geography,

```

```

        COMMUTATOR = =,
        RESTRICT = contsel,
        JOIN = contjoinsel
    );

--
-- TOC entry 3876 (class 2617 OID 16485)
-- Name: >; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR > (
    PROCEDURE = geometry_gt,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = <,
    NEGATOR = <=,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3894 (class 2617 OID 17251)
-- Name: >; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR > (
    PROCEDURE = geography_gt,
    LEFTARG = geography,
    RIGHTARG = geography,
    COMMUTATOR = <,
    NEGATOR = <=,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3875 (class 2617 OID 16486)
-- Name: >=; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR >= (
    PROCEDURE = geometry_ge,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = <=,
    NEGATOR = <,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--
-- TOC entry 3893 (class 2617 OID 17252)
-- Name: >=; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR >= (
    PROCEDURE = geography_ge,
    LEFTARG = geography,
    RIGHTARG = geography,
    COMMUTATOR = <=,
    NEGATOR = <,
    RESTRICT = contsel,
    JOIN = contjoinsel
);

--

```

```

-- TOC entry 3883 (class 2617 OID 16529)
-- Name: >>; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR >> (
    PROCEDURE = geometry_right,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = <<,
    RESTRICT = positionsel,
    JOIN = positionjoinself
);

--
-- TOC entry 3887 (class 2617 OID 16540)
-- Name: @; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR @ (
    PROCEDURE = geometry_contained,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = ~,
    RESTRICT = contsel,
    JOIN = contjoinself
);

--
-- TOC entry 3884 (class 2617 OID 16535)
-- Name: |&>; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR |&> (
    PROCEDURE = geometry_overabove,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = &<|,
    RESTRICT = positionsel,
    JOIN = positionjoinself
);

--
-- TOC entry 3885 (class 2617 OID 16533)
-- Name: |>>; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR |>> (
    PROCEDURE = geometry_above,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = <<|,
    RESTRICT = positionsel,
    JOIN = positionjoinself
);

--
-- TOC entry 3888 (class 2617 OID 16539)
-- Name: ~; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR ~ (
    PROCEDURE = geometry_contain,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = @,

```

```

        RESTRICT = contsel,
        JOIN = contjoinsel
    );

--
-- TOC entry 3886 (class 2617 OID 16538)
-- Name: ~=; Type: OPERATOR; Schema: public; Owner: -
--

CREATE OPERATOR ~= (
    PROCEDURE = geometry_samebox,
    LEFTARG = geometry,
    RIGHTARG = geometry,
    COMMUTATOR = ~=,
    RESTRICT = eqsel,
    JOIN = eqjoinsel
);

--
-- TOC entry 4011 (class 2616 OID 17257)
-- Name: btree_geography_ops; Type: OPERATOR CLASS; Schema: public; Owner: -
--

CREATE OPERATOR CLASS btree_geography_ops
    DEFAULT FOR TYPE geography USING btree AS
    OPERATOR 1 <(geography,geography) ,
    OPERATOR 2 <=(geography,geography) ,
    OPERATOR 3 =(geography,geography) ,
    OPERATOR 4 >=(geography,geography) ,
    OPERATOR 5 >(geography,geography) ,
    FUNCTION 1 (geography, geography) geography_cmp(geography,geography);

--
-- TOC entry 4008 (class 2616 OID 16491)
-- Name: btree_geometry_ops; Type: OPERATOR CLASS; Schema: public; Owner: -
--

CREATE OPERATOR CLASS btree_geometry_ops
    DEFAULT FOR TYPE geometry USING btree AS
    OPERATOR 1 <(geometry,geometry) ,
    OPERATOR 2 <=(geometry,geometry) ,
    OPERATOR 3 =(geometry,geometry) ,
    OPERATOR 4 >=(geometry,geometry) ,
    OPERATOR 5 >(geometry,geometry) ,
    FUNCTION 1 (geometry, geometry) geometry_cmp(geometry,geometry);

--
-- TOC entry 4010 (class 2616 OID 17236)
-- Name: gist_geography_ops; Type: OPERATOR CLASS; Schema: public; Owner: -
--

CREATE OPERATOR CLASS gist_geography_ops
    DEFAULT FOR TYPE geography USING gist AS
    STORAGE gidx ,
    OPERATOR 3 &&(geography,geography) ,
    FUNCTION 1 (geography, geography)
geography_gist_consistent(internal,geometry,integer) ,
    FUNCTION 2 (geography, geography) geography_gist_union(bytea,internal) ,
    FUNCTION 3 (geography, geography) geography_gist_compress(internal) ,
    FUNCTION 4 (geography, geography) geography_gist_decompress(internal) ,
    FUNCTION 5 (geography, geography)
geography_gist_penalty(internal,internal,internal) ,
    FUNCTION 6 (geography, geography)
geography_gist_picksplit(internal,internal) ,
    FUNCTION 7 (geography, geography)
geography_gist_same(box2d,box2d,internal);

```

```

--
-- TOC entry 4009 (class 2616 OID 16549)
-- Name: gist_geometry_ops; Type: OPERATOR CLASS; Schema: public; Owner: -
--

CREATE OPERATOR CLASS gist_geometry_ops
    DEFAULT FOR TYPE geometry USING gist AS
    STORAGE box2d ,
    OPERATOR 1 <<(geometry,geometry) ,
    OPERATOR 2 &<(geometry,geometry) ,
    OPERATOR 3 &&(geometry,geometry) ,
    OPERATOR 4 &>(geometry,geometry) ,
    OPERATOR 5 >>(geometry,geometry) ,
    OPERATOR 6 ~=(geometry,geometry) ,
    OPERATOR 7 ~(geometry,geometry) ,
    OPERATOR 8 @(geometry,geometry) ,
    OPERATOR 9 &<|(geometry,geometry) ,
    OPERATOR 10 <<|(geometry,geometry) ,
    OPERATOR 11 |>>(geometry,geometry) ,
    OPERATOR 12 |&>(geometry,geometry) ,
    FUNCTION 1 (geometry, geometry)
lwgeom_gist_consistent(internal,geometry,integer) ,
    FUNCTION 2 (geometry, geometry) lwgeom_gist_union(bytea,internal) ,
    FUNCTION 3 (geometry, geometry) lwgeom_gist_compress(internal) ,
    FUNCTION 4 (geometry, geometry) lwgeom_gist_decompress(internal) ,
    FUNCTION 5 (geometry, geometry)
lwgeom_gist_penalty(internal,internal,internal) ,
    FUNCTION 6 (geometry, geometry) lwgeom_gist_picksplit(internal,internal) ,
    FUNCTION 7 (geometry, geometry) lwgeom_gist_same(box2d,box2d,internal);

SET search_path = pg_catalog;

--
-- TOC entry 4470 (class 2605 OID 16831)
-- Name: CAST (public.box2d AS public.box3d); Type: CAST; Schema: pg_catalog;
Owner: -
--

CREATE CAST (public.box2d AS public.box3d) WITH FUNCTION
public.box3d(public.box2d) AS IMPLICIT;

--
-- TOC entry 4469 (class 2605 OID 16832)
-- Name: CAST (public.box2d AS public.geometry); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.box2d AS public.geometry) WITH FUNCTION
public.geometry(public.box2d) AS IMPLICIT;

--
-- TOC entry 4463 (class 2605 OID 16833)
-- Name: CAST (public.box3d AS box); Type: CAST; Schema: pg_catalog; Owner: -
--

CREATE CAST (public.box3d AS box) WITH FUNCTION public.box(public.box3d) AS
IMPLICIT;

--
-- TOC entry 4465 (class 2605 OID 16830)
-- Name: CAST (public.box3d AS public.box2d); Type: CAST; Schema: pg_catalog;
Owner: -
--

```

```

CREATE CAST (public.box3d AS public.box2d) WITH FUNCTION
public.box2d(public.box3d) AS IMPLICIT;

--
-- TOC entry 4464 (class 2605 OID 16834)
-- Name: CAST (public.box3d AS public.geometry); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.box3d AS public.geometry) WITH FUNCTION
public.geometry(public.box3d) AS IMPLICIT;

--
-- TOC entry 4468 (class 2605 OID 16841)
-- Name: CAST (public.box3d_extent AS public.box2d); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.box3d_extent AS public.box2d) WITH FUNCTION
public.box2d(public.box3d_extent) AS IMPLICIT;

--
-- TOC entry 4467 (class 2605 OID 16840)
-- Name: CAST (public.box3d_extent AS public.box3d); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.box3d_extent AS public.box3d) WITH FUNCTION
public.box3d_extent(public.box3d_extent) AS IMPLICIT;

--
-- TOC entry 4466 (class 2605 OID 16842)
-- Name: CAST (public.box3d_extent AS public.geometry); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.box3d_extent AS public.geometry) WITH FUNCTION
public.geometry(public.box3d_extent) AS IMPLICIT;

--
-- TOC entry 4263 (class 2605 OID 16838)
-- Name: CAST (bytea AS public.geometry); Type: CAST; Schema: pg_catalog;
Owner: -
--

CREATE CAST (bytea AS public.geometry) WITH FUNCTION public.geometry(bytea) AS
IMPLICIT;

--
-- TOC entry 4471 (class 2605 OID 16837)
-- Name: CAST (public.chip AS public.geometry); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.chip AS public.geometry) WITH FUNCTION
public.geometry(public.chip) AS IMPLICIT;

--
-- TOC entry 4473 (class 2605 OID 17204)
-- Name: CAST (public.geography AS public.geography); Type: CAST; Schema:
pg_catalog; Owner: -
--

```



```

CREATE CAST (public.geography AS public.geography) WITH FUNCTION
public.geography(public.geography, integer, boolean) AS IMPLICIT;

--
-- TOC entry 4472 (class 2605 OID 17223)
-- Name: CAST (public.geography AS public.geometry); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.geography AS public.geometry) WITH FUNCTION
public.geometry(public.geography);

--
-- TOC entry 4459 (class 2605 OID 16829)
-- Name: CAST (public.geometry AS box); Type: CAST; Schema: pg_catalog; Owner:
-
--

CREATE CAST (public.geometry AS box) WITH FUNCTION public.box(public.geometry)
AS IMPLICIT;

--
-- TOC entry 4461 (class 2605 OID 16827)
-- Name: CAST (public.geometry AS public.box2d); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.geometry AS public.box2d) WITH FUNCTION
public.box2d(public.geometry) AS IMPLICIT;

--
-- TOC entry 4460 (class 2605 OID 16828)
-- Name: CAST (public.geometry AS public.box3d); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.geometry AS public.box3d) WITH FUNCTION
public.box3d(public.geometry) AS IMPLICIT;

--
-- TOC entry 4457 (class 2605 OID 16839)
-- Name: CAST (public.geometry AS bytea); Type: CAST; Schema: pg_catalog;
Owner: -
--

CREATE CAST (public.geometry AS bytea) WITH FUNCTION
public.bytea(public.geometry) AS IMPLICIT;

--
-- TOC entry 4462 (class 2605 OID 17221)
-- Name: CAST (public.geometry AS public.geography); Type: CAST; Schema:
pg_catalog; Owner: -
--

CREATE CAST (public.geometry AS public.geography) WITH FUNCTION
public.geography(public.geometry) AS IMPLICIT;

--
-- TOC entry 4458 (class 2605 OID 16836)
-- Name: CAST (public.geometry AS text); Type: CAST; Schema: pg_catalog;
Owner: -
--

```

```

CREATE CAST (public.geometry AS text) WITH FUNCTION
public.text(public.geometry) AS IMPLICIT;

--
-- TOC entry 4331 (class 2605 OID 16835)
-- Name: CAST (text AS public.geometry); Type: CAST; Schema: pg_catalog;
Owner: -
--

CREATE CAST (text AS public.geometry) WITH FUNCTION public.geometry(text) AS
IMPLICIT;

SET search_path = public, pg_catalog;

SET default_tablespace = '';

SET default_with_oids = false;

--
-- TOC entry 605 (class 1259 OID 261828)
-- Name: aptidao_agricola; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE aptidao_agricola (
    gid integer NOT NULL,
    tiporelevo character varying(100),
    classesolo character varying(254),
    siglaclassesolo2 character varying(10),
    classesoloperh character varying(50),
    siglaclassesoloradam character varying(10),
    regimehidricoarea character varying(10),
    cod_espac integer,
    siglaclasseaptidaoagricola character varying(10),
    the_geom geometry,
    identificador integer NOT NULL,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 604 (class 1259 OID 261826)
-- Name: aptidao_agricola_gid_seq; Type: SEQUENCE; Schema: public; Owner: -
--

CREATE SEQUENCE aptidao_agricola_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

--
-- TOC entry 5804 (class 0 OID 0)
-- Dependencies: 604
-- Name: aptidao_agricola_gid_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: -
--

ALTER SEQUENCE aptidao_agricola_gid_seq OWNED BY aptidao_agricola.gid;

--
-- TOC entry 607 (class 1259 OID 277724)

```

```

-- Name: aptidao_agricola_x_classe_terra_ativ_agricola; Type: TABLE; Schema:
public; Owner: -; Tablespace:
--

CREATE TABLE aptidao_agricola_x_classe_terra_ativ_agricola (
    identificadoraptidaoagricola integer NOT NULL,
    codigoclasseterraativagricola character(8) NOT NULL
);

--
-- TOC entry 613 (class 1259 OID 277808)
-- Name: aptidao_agricola_x_classe_terra_ao_indicada; Type: TABLE; Schema:
public; Owner: -; Tablespace:
--

CREATE TABLE aptidao_agricola_x_classe_terra_ao_indicada (
    identificadoraptidaoagricola integer NOT NULL,
    codigoclasseterranaoindicada character(8) NOT NULL
);

--
-- TOC entry 611 (class 1259 OID 277780)
-- Name: aptidao_agricola_x_classe_terra_pasto_natural; Type: TABLE; Schema:
public; Owner: -; Tablespace:
--

CREATE TABLE aptidao_agricola_x_classe_terra_pasto_natural (
    identificadoraptidaoagricola integer NOT NULL,
    codigoclasseterrapastonatural character(8) NOT NULL
);

--
-- TOC entry 609 (class 1259 OID 277752)
-- Name: aptidao_agricola_x_classe_terra_pasto_plantado; Type: TABLE; Schema:
public; Owner: -; Tablespace:
--

CREATE TABLE aptidao_agricola_x_classe_terra_pasto_plantado (
    identificadoraptidaoagricola integer NOT NULL,
    codigoclasseterrapastoplantado character(8) NOT NULL
);

--
-- TOC entry 266 (class 1259 OID 184843)
-- Name: area_conservacao; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE area_conservacao (
    gid integer NOT NULL,
    codigo character varying(10),
    classeprobio character varying(50),
    observacao character varying(254),
    classezee character varying(254),
    the_geom geometry,
    codigoclassee character(8),
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 384 (class 1259 OID 237002)
-- Name: classe_algodao; Type: TABLE; Schema: public; Owner: -; Tablespace:

```

```

--
CREATE TABLE classe_algodao (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 301 (class 1259 OID 223339)
-- Name: classe_alliance_zero_extinction; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE classe_alliance_zero_extinction (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 386 (class 1259 OID 237025)
-- Name: classe_apicultura; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_apicultura (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 306 (class 1259 OID 223421)
-- Name: classe_area_carstica; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_area_carstica (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 311 (class 1259 OID 223486)
-- Name: classe_area_conservacao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_area_conservacao (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--

```

```

-- TOC entry 305 (class 1259 OID 223408)
-- Name: classe_area_holistica_geodivers; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE classe_area_holistica_geodivers (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 303 (class 1259 OID 223365)
-- Name: classe_area_importancia_biolog; Type: TABLE; Schema: public; Owner: -
; Tablespace:
--

CREATE TABLE classe_area_importancia_biolog (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 308 (class 1259 OID 223447)
-- Name: classe_area_suscep_desertific; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_area_suscep_desertific (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 364 (class 1259 OID 236472)
-- Name: classe_area_viveiro_maricult; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_area_viveiro_maricult (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 599 (class 1259 OID 257077)
-- Name: classe_arranjo_minerario; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_arranjo_minerario (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,

```

```

        limitacoes text,
        recomendacoes text
    );

--
-- TOC entry 388 (class 1259 OID 237048)
-- Name: classe_avicultura; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_avicultura (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 390 (class 1259 OID 237071)
-- Name: classe_bovinocultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_bovinocultura (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 392 (class 1259 OID 237094)
-- Name: classe_cacau; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_cacau (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 595 (class 1259 OID 257028)
-- Name: classe_cadeia_producao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_cadeia_producao (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 394 (class 1259 OID 237117)
-- Name: classe_cafe; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_cafe (
    codigo character(8) NOT NULL,
    criterio character varying(255),

```

```

        potencialidade text,
        limitacoes text,
        recomendacoes text
    );

--
-- TOC entry 396 (class 1259 OID 237140)
-- Name: classe_cana; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_cana (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 398 (class 1259 OID 237163)
-- Name: classe_caprinocultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_caprinocultura (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 307 (class 1259 OID 223434)
-- Name: classe_caverna; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_caverna (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 400 (class 1259 OID 237186)
-- Name: classe_citros; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_citros (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 402 (class 1259 OID 237209)
-- Name: classe_coco; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_coco (

```

```

        codigo character(8) NOT NULL,
        criterio character varying(255),
        potencialidade text,
        limitacoes text,
        recomendacoes text
    );

--
-- TOC entry 335 (class 1259 OID 234884)
-- Name: classe_conserv_aguas_subterraneas; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE classe_conserv_aguas_subterraneas (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 343 (class 1259 OID 235239)
-- Name: classe_conserv_aguas_sup; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_conserv_aguas_sup (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 358 (class 1259 OID 236394)
-- Name: classe_corpo_dagua_contin; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corpo_dagua_contin (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 549 (class 1259 OID 241512)
-- Name: classe_corredor_ns_inter; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_ns_inter (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 551 (class 1259 OID 241535)

```



```

-- Name: classe_corredor_ns_interp; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_ns_interp (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 547 (class 1259 OID 241489)
-- Name: classe_corredor_ns_litor; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_ns_litor (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 559 (class 1259 OID 241627)
-- Name: classe_corredor_ns_marit; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_ns_marit (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 561 (class 1259 OID 241650)
-- Name: classe_corredor_ns_maritp; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_ns_maritp (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 553 (class 1259 OID 241558)
-- Name: classe_corredor_ns_oeste; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_ns_oeste (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,

```

```

        recomendacoes text
    );

--
-- TOC entry 557 (class 1259 OID 241604)
-- Name: classe_corredor_transv_n; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_transv_n (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 555 (class 1259 OID 241581)
-- Name: classe_corredor_transv_ol; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_corredor_transv_ol (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 404 (class 1259 OID 237232)
-- Name: classe_dende; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_dende (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 337 (class 1259 OID 235170)
-- Name: classe_disp_hidrica_superf; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_disp_hidrica_superf (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 331 (class 1259 OID 234838)
-- Name: classe_disponib_hidrica_subterranea; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE classe_disponib_hidrica_subterranea (
    codigo character(8) NOT NULL,

```

```

        criterio character varying(255),
        potencialidade text,
        limitacoes text,
        recomendacoes text
    );

--
-- TOC entry 597 (class 1259 OID 257054)
-- Name: classe_distrito_industrial; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_distrito_industrial (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 406 (class 1259 OID 237255)
-- Name: classe_feijao; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_feijao (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 408 (class 1259 OID 237278)
-- Name: classe_fruticultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_fruticultura (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 410 (class 1259 OID 237301)
-- Name: classe_heveicultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_heveicultura (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 302 (class 1259 OID 223352)

```

```

-- Name: classe_important_bird_area; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_important_bird_area (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 442 (class 1259 OID 239446)
-- Name: classe_investim_privados; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_investim_privados (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 500 (class 1259 OID 240913)
-- Name: classe_it_acesso_aeroviario; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_it_acesso_aeroviario (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 506 (class 1259 OID 240982)
-- Name: classe_it_acesso_ferrovionario; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_it_acesso_ferrovionario (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 502 (class 1259 OID 240936)
-- Name: classe_it_acesso_hidroviario; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_it_acesso_hidroviario (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

```

```
--
-- TOC entry 504 (class 1259 OID 240959)
-- Name: classe_it_acesso_rodoviario; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_it_acesso_rodoviario (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 508 (class 1259 OID 241005)
-- Name: classe_it_comunicacao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_it_comunicacao (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 510 (class 1259 OID 241028)
-- Name: classe_it_infraestr_basica; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_it_infraestr_basica (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 512 (class 1259 OID 241051)
-- Name: classe_it_infraestr_hoteleira; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_it_infraestr_hoteleira (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 300 (class 1259 OID 223326)
-- Name: classe_key_biodiversity_area; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_key_biodiversity_area (
```

```

        codigo character(8) NOT NULL,
        criterio character varying(255),
        potencialidade text,
        limitacoes text,
        recomendacoes text
    );

--
-- TOC entry 412 (class 1259 OID 237324)
-- Name: classe_mamao; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_mamao (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 414 (class 1259 OID 237347)
-- Name: classe_mamona; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_mamona (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 416 (class 1259 OID 237370)
-- Name: classe_mandioca; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_mandioca (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 418 (class 1259 OID 237393)
-- Name: classe_maracuja; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_maracuja (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 420 (class 1259 OID 237416)
-- Name: classe_milho; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_milho (
    codigo character(8) NOT NULL,

```

```

        criterio character varying(255),
        potencialidade text,
        limitacoes text,
        recomendacoes text
    );

--
-- TOC entry 360 (class 1259 OID 236419)
-- Name: classe_num_pescadores; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_num_pescadores (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 440 (class 1259 OID 239423)
-- Name: classe_partic_colegiados; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_partic_colegiados (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 257 (class 1259 OID 184309)
-- Name: classe_patrim_arqueol; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_patrim_arqueol (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 253 (class 1259 OID 184262)
-- Name: classe_patrim_imaterial; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_patrim_imaterial (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 255 (class 1259 OID 184285)

```

```

-- Name: classe_patrim_material; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE classe_patrim_material (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 488 (class 1259 OID 240774)
-- Name: classe_phm_monum_historico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE classe_phm_monum_historico (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 486 (class 1259 OID 240750)
-- Name: classe_phm_nucleo_historico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE classe_phm_nucleo_historico (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 494 (class 1259 OID 240844)
-- Name: classe_pi_comunid_autentica; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE classe_pi_comunid_autentica (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 496 (class 1259 OID 240867)
-- Name: classe_pi_comunid_etnica; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE classe_pi_comunid_etnica (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

```



```
--
-- TOC entry 498 (class 1259 OID 240890)
-- Name: classe_pi_manifest_artistica; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_pi_manifest_artistica (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 539 (class 1259 OID 241404)
-- Name: classe_pl_vulnerab_social; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_pl_vulnerab_social (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 476 (class 1259 OID 240635)
-- Name: classe_pn_conj_geogr; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_pn_conj_geogr (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 478 (class 1259 OID 240658)
-- Name: classe_pn_conj_nat_integ; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_pn_conj_nat_integ (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 480 (class 1259 OID 240681)
-- Name: classe_pn_ecossistema; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_pn_ecossistema (
```

```

        codigo character(8) NOT NULL,
        criterio character varying(255),
        potencialidade text,
        limitacoes text,
        recomendacoes text
    );

--
-- TOC entry 482 (class 1259 OID 240704)
-- Name: classe_pn_paisagem_costeira; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_pn_paisagem_costeira (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 484 (class 1259 OID 240727)
-- Name: classe_pn_sistema_hidrografico; Type: TABLE; Schema: public; Owner: -
; Tablespace:
--

CREATE TABLE classe_pn_sistema_hidrografico (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 490 (class 1259 OID 240798)
-- Name: classe_pne_patrim_espeleologico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_pne_patrim_espeleologico (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 492 (class 1259 OID 240821)
-- Name: classe_pne_recurso_hidrotermico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_pne_recurso_hidrotermico (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 446 (class 1259 OID 239492)

```

```

-- Name: classe_politicas_estaduais; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_politicas_estaduais (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 444 (class 1259 OID 239469)
-- Name: classe_politicas_federais; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_politicas_federais (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 436 (class 1259 OID 239377)
-- Name: classe_presenca_instituicoes; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_presenca_instituicoes (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 278 (class 1259 OID 210392)
-- Name: classe_qab; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_qab (
  identificador integer NOT NULL,
  descricao character varying(254),
  intervalo character varying(50)
);

--
-- TOC entry 333 (class 1259 OID 234861)
-- Name: classe_qualid_aguas_subterraneas; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE classe_qualid_aguas_subterraneas (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

```

```
--
-- TOC entry 341 (class 1259 OID 235216)
-- Name: classe_qualid_aguas_superf; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_qualid_aguas_superf (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 339 (class 1259 OID 235193)
-- Name: classe_salin_aguas_superf; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_salin_aguas_superf (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 422 (class 1259 OID 237439)
-- Name: classe_silvicultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_silvicultura (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 424 (class 1259 OID 237462)
-- Name: classe_sisal; Type: TABLE; Schema: public; Owner: -; Tablespace:
--
```

```
CREATE TABLE classe_sisal (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);
```

```
--
-- TOC entry 438 (class 1259 OID 239400)
-- Name: classe_sist_gestao_ambient; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE classe_sist_gestao_ambient (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  potencialidade text,
  limitacoes text,
```

```

        recomendacoes text
    );

--
-- TOC entry 541 (class 1259 OID 241433)
-- Name: classe_sistemas_sociais; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_sistemas_sociais (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 426 (class 1259 OID 237485)
-- Name: classe_soja; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_soja (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 514 (class 1259 OID 241088)
-- Name: classe_sustentab_socioecon_local; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE classe_sustentab_socioecon_local (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 516 (class 1259 OID 241111)
-- Name: classe_sustentab_socioecon_regional; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE classe_sustentab_socioecon_regional (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 606 (class 1259 OID 277711)
-- Name: classe_terra_ativ_agricola; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

```

```

CREATE TABLE classe_terra_ativ_agricola (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 310 (class 1259 OID 223473)
-- Name: classe_terra_indigena; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_terra_indigena (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 612 (class 1259 OID 277795)
-- Name: classe_terra_ao_indicada; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_terra_ao_indicada (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 610 (class 1259 OID 277767)
-- Name: classe_terra_pasto_natural; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_terra_pasto_natural (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 608 (class 1259 OID 277739)
-- Name: classe_terra_pasto_plantado; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_terra_pasto_plantado (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 309 (class 1259 OID 223460)

```

```

-- Name: classe_territorio_quilombola; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_territorio_quilombola (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 545 (class 1259 OID 241466)
-- Name: classe_tic; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_tic (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 563 (class 1259 OID 241673)
-- Name: classe_transp_aeroviario; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_transp_aeroviario (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 313 (class 1259 OID 223512)
-- Name: classe_unid_conserv_estadual; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_unid_conserv_estadual (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 312 (class 1259 OID 223499)
-- Name: classe_unid_conserv_federal; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_unid_conserv_federal (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

```

```

);

--
-- TOC entry 304 (class 1259 OID 223381)
-- Name: classe_vegetacao_remanesc; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_vegetacao_remanesc (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 618 (class 1259 OID 277920)
-- Name: classe_vulner_erosao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_vulner_erosao (
    codigo character(8) NOT NULL,
    intervalo character varying(20),
    conceito character varying(20)
);

--
-- TOC entry 621 (class 1259 OID 277945)
-- Name: classe_vulner_rh_superf; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_vulner_rh_superf (
    codigo character(8) NOT NULL,
    intervalo character varying(20),
    conceito character varying(20)
);

--
-- TOC entry 290 (class 1259 OID 222247)
-- Name: classe_vulnerab_biodivers; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_vulnerab_biodivers (
    codigo character(8) NOT NULL,
    intervalo character varying(20),
    descricao character varying(254)
);

--
-- TOC entry 381 (class 1259 OID 236934)
-- Name: classe_vulnerab_social; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_vulnerab_social (
    codigo integer NOT NULL,
    descricao character varying(120)
);

--
-- TOC entry 583 (class 1259 OID 242853)

```



```

-- Name: classe_zim_energetico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_zim_energetico (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  recursomineral character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 581 (class 1259 OID 242830)
-- Name: classe_zim_gema; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE classe_zim_gema (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  recursomineral character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 579 (class 1259 OID 242807)
-- Name: classe_zim_metalico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_zim_metalico (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  recursomineral character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 577 (class 1259 OID 242784)
-- Name: classe_zim_nao_metalico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE classe_zim_nao_metalico (
  codigo character(8) NOT NULL,
  criterio character varying(255),
  recursomineral character varying(255),
  potencialidade text,
  limitacoes text,
  recomendacoes text
);

--
-- TOC entry 376 (class 1259 OID 236909)
-- Name: conceito_qualid_social; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE conceito_qualid_social (
  codigo character(2) NOT NULL,

```

```

        descricao character varying(30)
    );

--
-- TOC entry 362 (class 1259 OID 236442)
-- Name: corpo_dagua_marinho; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE corpo_dagua_marinho (
    identificador integer NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    recomendacoes text
);

--
-- TOC entry 249 (class 1259 OID 183947)
-- Name: dires; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE dires (
    codigo integer NOT NULL,
    nome character varying(100)
);

--
-- TOC entry 269 (class 1259 OID 186118)
-- Name: dominio_morfologico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE dominio_morfologico (
    codigo character varying(8) NOT NULL,
    descricao character varying(127)
);

--
-- TOC entry 330 (class 1259 OID 234833)
-- Name: dsmr; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE dsmr (
    codigo integer NOT NULL,
    descricao character varying(255)
);

--
-- TOC entry 336 (class 1259 OID 234892)
-- Name: dsmr_x_classe_conserv_aguas_subter; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE dsmr_x_classe_conserv_aguas_subter (
    codigodsmr integer NOT NULL,
    codigoclasseconservaguassubter character(8) NOT NULL
);

--
-- TOC entry 332 (class 1259 OID 234846)
-- Name: dsmr_x_classe_disp_hidr_subter; Type: TABLE; Schema: public; Owner: -
; Tablespace:
--

```

```

CREATE TABLE dsmr_x_classe_disp_hidr_subter (
    codigodsmr integer NOT NULL,
    codigoclassedisphidrsubter character(8) NOT NULL
);

--
-- TOC entry 334 (class 1259 OID 234869)
-- Name: dsmr_x_classe_qualid_aguas_subter; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE dsmr_x_classe_qualid_aguas_subter (
    codigodsmr integer NOT NULL,
    codigoclassequalidaguassubter character(8) NOT NULL
);

--
-- TOC entry 246 (class 1259 OID 183927)
-- Name: eixo_desenvolvimento; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE eixo_desenvolvimento (
    codigo integer NOT NULL,
    nome character varying(100)
);

--
-- TOC entry 370 (class 1259 OID 236567)
-- Name: fonte_potenc_energia; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE fonte_potenc_energia (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    impactosambientais text,
    recomendacoes text
);

--
-- TOC entry 372 (class 1259 OID 236602)
-- Name: fonte_potenc_produc_combust; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE fonte_potenc_produc_combust (
    codigo character(8) NOT NULL,
    criterio character varying(255),
    potencialidade text,
    limitacoes text,
    impactosambientais text,
    recomendacoes text
);

--
-- TOC entry 550 (class 1259 OID 241520)
-- Name: gargalo_x_classe_corredor_ns_inter; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_corredor_ns_inter (

```

```

        identificadoreixo integer NOT NULL,
        codigoclassecorredornsinter character(8) NOT NULL
    );

--
-- TOC entry 552 (class 1259 OID 241543)
-- Name: gargalo_x_classe_corredor_ns_interp; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_corredor_ns_interp (
    identificadoreixo integer NOT NULL,
    codigoclassecorredornsinter character(8) NOT NULL
);

--
-- TOC entry 548 (class 1259 OID 241497)
-- Name: gargalo_x_classe_corredor_ns_litor; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_corredor_ns_litor (
    identificadoreixo integer NOT NULL,
    codigoclassecorredornslitor character(8) NOT NULL
);

--
-- TOC entry 560 (class 1259 OID 241635)
-- Name: gargalo_x_classe_corredor_ns_marit; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_corredor_ns_marit (
    identificadoreixo integer NOT NULL,
    codigoclassecorredornsmarit character(8) NOT NULL
);

--
-- TOC entry 562 (class 1259 OID 241658)
-- Name: gargalo_x_classe_corredor_ns_maritp; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_corredor_ns_maritp (
    identificadoreixo integer NOT NULL,
    codigoclassecorredornsmaritp character(8) NOT NULL
);

--
-- TOC entry 554 (class 1259 OID 241566)
-- Name: gargalo_x_classe_corredor_ns_oeste; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_corredor_ns_oeste (
    identificadoreixo integer NOT NULL,
    codigoclassecorredornsoeste character(8) NOT NULL
);

--
-- TOC entry 558 (class 1259 OID 241612)
-- Name: gargalo_x_classe_corredor_transv_n; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

```

```

CREATE TABLE gargalo_x_classe_corredor_transv_n (
    identificadoreixo integer NOT NULL,
    codigoclassecorredortransvn character(8) NOT NULL
);

--
-- TOC entry 556 (class 1259 OID 241589)
-- Name: gargalo_x_classe_corredor_transv_ol; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_corredor_transv_ol (
    identificadoreixo integer NOT NULL,
    codigoclassecorredortransvol character(8) NOT NULL
);

--
-- TOC entry 564 (class 1259 OID 241681)
-- Name: gargalo_x_classe_transp_aeroviario; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE gargalo_x_classe_transp_aeroviario (
    identificadoreixo integer NOT NULL,
    codigoclassetranspaeroviario character(8) NOT NULL
);

--
-- TOC entry 429 (class 1259 OID 238753)
-- Name: gargalos_aeroporto; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE gargalos_aeroporto (
    gid integer NOT NULL,
    geometriaaproximada character varying(3),
    nome character varying(100),
    sigla character varying(4),
    codigotipouso character varying(8),
    codigotipopavimento character varying(5),
    descricaootipopavimento character varying(30),
    numeropistas character varying(2),
    extensaomaiorpista character varying(4),
    larguramaiorpista character varying(3),
    uf character varying(2),
    dataalteracao character varying(8),
    metodoalteracao character varying(50),
    fonteinformacao character varying(100),
    altitude character varying(8),
    latitude numeric,
    longitude numeric,
    criterioclassificacao character varying(250),
    aspectoindicacaogargalo character varying(100),
    the_geom geometry,
    identificador integer,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'POINT'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 428 (class 1259 OID 238751)
-- Name: gargalos_aeroporto_gid_seq; Type: SEQUENCE; Schema: public; Owner: -
--

```

```

CREATE SEQUENCE gargalos_aeroporto_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

--
-- TOC entry 5805 (class 0 OID 0)
-- Dependencies: 428
-- Name: gargalos_aeroporto_gid_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: -
--

ALTER SEQUENCE gargalos_aeroporto_gid_seq OWNED BY gargalos_aeroporto.gid;

--
-- TOC entry 431 (class 1259 OID 238769)
-- Name: gargalos_limite_costeiro; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE gargalos_limite_costeiro (
    gid integer NOT NULL,
    localocorrencia character varying(254),
    nomeregiaoesteira character varying(254),
    the_geom geometry,
    identificador integer,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTILINESTRING'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 430 (class 1259 OID 238767)
-- Name: gargalos_limite_costeiro_gid_seq; Type: SEQUENCE; Schema: public;
Owner: -
--

CREATE SEQUENCE gargalos_limite_costeiro_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

--
-- TOC entry 5806 (class 0 OID 0)
-- Dependencies: 430
-- Name: gargalos_limite_costeiro_gid_seq; Type: SEQUENCE OWNED BY; Schema:
public; Owner: -
--

ALTER SEQUENCE gargalos_limite_costeiro_gid_seq OWNED BY
gargalos_limite_costeiro.gid;

--
-- TOC entry 433 (class 1259 OID 238787)
-- Name: gargalos_porto; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE gargalos_porto (
    gid integer NOT NULL,
    nome character varying(254),

```

```

latitude numeric,
longitude numeric,
localocorrencia character varying(254),
corredor character varying(200),
the_geom geometry,
identificador integer,
CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'POINT'::text) OR (the_geom IS NULL))),
CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 432 (class 1259 OID 238785)
-- Name: gargalos_porto_gid_seq; Type: SEQUENCE; Schema: public; Owner: -
--

CREATE SEQUENCE gargalos_porto_gid_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

--
-- TOC entry 5807 (class 0 OID 0)
-- Dependencies: 432
-- Name: gargalos_porto_gid_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: -
--

ALTER SEQUENCE gargalos_porto_gid_seq OWNED BY gargalos_porto.gid;

--
-- TOC entry 435 (class 1259 OID 238803)
-- Name: gargalos_sistema_transporte; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE gargalos_sistema_transporte (
gid integer NOT NULL,
categoria character varying(50),
situacao character varying(20),
nomeeixo character varying(254),
fonteinformacao character varying(50),
extensao numeric,
peso numeric,
graudificuldadefluicao character varying(254),
corredor character varying(254),
aspectoindicacaogargalo character varying(250),
the_geom geometry,
identificador integer,
CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTILINESTRING'::text) OR (the_geom IS NULL))),
CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 434 (class 1259 OID 238801)
-- Name: gargalos_sistema_transporte_gid_seq; Type: SEQUENCE; Schema: public;
Owner: -
--

CREATE SEQUENCE gargalos_sistema_transporte_gid_seq

```

```

        START WITH 1
        INCREMENT BY 1
        NO MINVALUE
        NO MAXVALUE
        CACHE 1;

--
-- TOC entry 5808 (class 0 OID 0)
-- Dependencies: 434
-- Name: gargalos_sistema_transporte_gid_seq; Type: SEQUENCE OWNED BY; Schema:
public; Owner: -
--

        ALTER SEQUENCE gargalos_sistema_transporte_gid_seq OWNED BY
gargalos_sistema_transporte.gid;

--
-- TOC entry 282 (class 1259 OID 210421)
-- Name: genero_disposic_residuo; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE genero_disposic_residuo (
        identificador integer NOT NULL,
        nome character varying(25)
);

--
-- TOC entry 165 (class 1259 OID 17215)
-- Name: geography_columns; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW geography_columns AS
SELECT current_database() AS f_table_catalog, n.nspname AS f_table_schema,
c.relname AS f_table_name, a.attname AS f_geography_column,
geography_typmod_dims(a.atttypmod) AS coord_dimension,
geography_typmod_srid(a.atttypmod) AS srid, geography_typmod_type(a.atttypmod) AS
type FROM pg_class c, pg_attribute a, pg_type t, pg_namespace n WHERE (((((t.typname
= 'geography'::name) AND (a.attisdropped = false)) AND (a.atttypid = t.oid)) AND
(a.attrelid = c.oid)) AND (c.relnamespace = n.oid)) AND (NOT
pg_is_other_temp_schema(c.relnamespace)));

SET default_with_oids = true;

--
-- TOC entry 164 (class 1259 OID 16755)
-- Name: geometry_columns; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE geometry_columns (
        f_table_catalog character varying(256) NOT NULL,
        f_table_schema character varying(256) NOT NULL,
        f_table_name character varying(256) NOT NULL,
        f_geometry_column character varying(256) NOT NULL,
        coord_dimension integer NOT NULL,
        srid integer NOT NULL,
        type character varying(30) NOT NULL
);

SET default_with_oids = false;

--
-- TOC entry 252 (class 1259 OID 184229)
-- Name: macro_regiao; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

```



```

CREATE TABLE macro_regiao (
    gid integer NOT NULL,
    nome character varying(80),
    perimetropoligono numeric,
    areapoligono numeric,
    the_geom geometry,
    anodereferencia integer,
    nomeabrev character varying(50),
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 251 (class 1259 OID 184227)
-- Name: macro_regiao_gid_seq; Type: SEQUENCE; Schema: public; Owner: -
--

CREATE SEQUENCE macro_regiao_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

--
-- TOC entry 5809 (class 0 OID 0)
-- Dependencies: 251
-- Name: macro_regiao_gid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner:
--

ALTER SEQUENCE macro_regiao_gid_seq OWNED BY macro_regiao.gid;

--
-- TOC entry 247 (class 1259 OID 183932)
-- Name: meso_regiao; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE meso_regiao (
    codigo integer NOT NULL,
    nome character varying(100)
);

--
-- TOC entry 248 (class 1259 OID 183937)
-- Name: micro_regiao; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE micro_regiao (
    codigo integer NOT NULL,
    nome character varying(100),
    codigomesoregiao integer
);

--
-- TOC entry 385 (class 1259 OID 237010)
-- Name: munic_x_classe_algodao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_algodao (
    geocodigomunicípio character(7) NOT NULL,

```

```

        codigoclassealgodao character(8) NOT NULL
    );

--
-- TOC entry 387 (class 1259 OID 237033)
-- Name: munic_x_classe_apicultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_apicultura (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseapicultura character(8) NOT NULL
);

--
-- TOC entry 365 (class 1259 OID 236480)
-- Name: munic_x_classe_area_viveiro_maricult; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_area_viveiro_maricult (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseareaviveiromaricultura character(8) NOT NULL
);

--
-- TOC entry 600 (class 1259 OID 257085)
-- Name: munic_x_classe_arranjo_minerario; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE munic_x_classe_arranjo_minerario (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassearranjominerario character(8) NOT NULL
);

--
-- TOC entry 389 (class 1259 OID 237056)
-- Name: munic_x_classe_avicultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_avicultura (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseavicultura character(8) NOT NULL
);

--
-- TOC entry 391 (class 1259 OID 237079)
-- Name: munic_x_classe_bovinocultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_bovinocultura (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassebovinocultura character(8) NOT NULL
);

--
-- TOC entry 393 (class 1259 OID 237102)
-- Name: munic_x_classe_cacau; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_cacau (

```

```

        geocodigomunicipio character(7) NOT NULL,
        codigoclassecacau character(8) NOT NULL
    );

--
-- TOC entry 395 (class 1259 OID 237125)
-- Name: munic_x_classe_cafe; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_cafe (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassecafe character(8) NOT NULL
);

--
-- TOC entry 397 (class 1259 OID 237148)
-- Name: munic_x_classe_cana; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_cana (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassecana character(8) NOT NULL
);

--
-- TOC entry 399 (class 1259 OID 237171)
-- Name: munic_x_classe_caprinocultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_caprinocultura (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassecaprinocultura character(8) NOT NULL
);

--
-- TOC entry 401 (class 1259 OID 237194)
-- Name: munic_x_classe_citros; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_citros (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassecitros character(8) NOT NULL
);

--
-- TOC entry 403 (class 1259 OID 237217)
-- Name: munic_x_classe_coco; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_coco (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassecoco character(8) NOT NULL
);

--
-- TOC entry 359 (class 1259 OID 236404)
-- Name: munic_x_classe_corpo_dagua_contin; Type: TABLE; Schema: public;
Owner: -; Tablespace:

```

```

--
CREATE TABLE munic_x_classe_corpo_dagua_contin (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassecorpodaguacontinental character(8) NOT NULL
);

--
-- TOC entry 405 (class 1259 OID 237240)
-- Name: munic_x_classe_dende; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE munic_x_classe_dende (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassedende character(8) NOT NULL
);

--
-- TOC entry 407 (class 1259 OID 237263)
-- Name: munic_x_classe_feijao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE munic_x_classe_feijao (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassefeijao character(8) NOT NULL
);

--
-- TOC entry 409 (class 1259 OID 237286)
-- Name: munic_x_classe_fruticultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE munic_x_classe_fruticultura (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassefruticultura character(8) NOT NULL
);

--
-- TOC entry 411 (class 1259 OID 237309)
-- Name: munic_x_classe_heveicultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE munic_x_classe_heveicultura (
    geocodigomunicipio character(7) NOT NULL,
    codigoclasseheveicultura character(8) NOT NULL
);

--
-- TOC entry 501 (class 1259 OID 240921)
-- Name: munic_x_classe_it_acesso_aeroviario; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--
CREATE TABLE munic_x_classe_it_acesso_aeroviario (
    geocodigomunicipio character(7) NOT NULL,
    codigoclasseitacessoaeroviario character(8) NOT NULL
);

--
-- TOC entry 507 (class 1259 OID 240990)

```

```

-- Name: munic_x_classe_it_acesso_ferrovuario; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_it_acesso_ferrovuario (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseitacessoferrovuario character(8) NOT NULL
);

--
-- TOC entry 503 (class 1259 OID 240944)
-- Name: munic_x_classe_it_acesso_hidrovuario; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_it_acesso_hidrovuario (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseitacessohidrovuario character(8) NOT NULL
);

--
-- TOC entry 505 (class 1259 OID 240967)
-- Name: munic_x_classe_it_acesso_rodovuario; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_it_acesso_rodovuario (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseitacessorodovuario character(8) NOT NULL
);

--
-- TOC entry 509 (class 1259 OID 241013)
-- Name: munic_x_classe_it_comunicacao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_it_comunicacao (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseitcomunicacao character(8) NOT NULL
);

--
-- TOC entry 511 (class 1259 OID 241036)
-- Name: munic_x_classe_it_infraestr_basica; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_it_infraestr_basica (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseitinfraestrbasica character(8) NOT NULL
);

--
-- TOC entry 513 (class 1259 OID 241073)
-- Name: munic_x_classe_it_infraestr_hoteleira; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_it_infraestr_hoteleira (
    geocodigomunicípio character(7) NOT NULL,
    codigoclasseitinfraestrhoteleira character(8) NOT NULL
);

```

```

--
-- TOC entry 413 (class 1259 OID 237332)
-- Name: munic_x_classe_mamao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_mamao (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassemamao character(8) NOT NULL
);

--
-- TOC entry 415 (class 1259 OID 237355)
-- Name: munic_x_classe_mamona; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_mamona (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassemamona character(8) NOT NULL
);

--
-- TOC entry 417 (class 1259 OID 237378)
-- Name: munic_x_classe_mandioca; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_mandioca (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassemandioca character(8) NOT NULL
);

--
-- TOC entry 419 (class 1259 OID 237401)
-- Name: munic_x_classe_maracuja; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_maracuja (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassemaracuja character(8) NOT NULL
);

--
-- TOC entry 421 (class 1259 OID 237424)
-- Name: munic_x_classe_milho; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_milho (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassemilho character(8) NOT NULL
);

--
-- TOC entry 361 (class 1259 OID 236427)
-- Name: munic_x_classe_num_pescadores; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_num_pescadores (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassexnumeropescadores character(8) NOT NULL
);

```

```

--
-- TOC entry 258 (class 1259 OID 184318)
-- Name: munic_x_classe_patrim_arqueol; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_patrim_arqueol (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepatriमारqueol character(8) NOT NULL
);

--
-- TOC entry 254 (class 1259 OID 184270)
-- Name: munic_x_classe_patrim_imaterial; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE munic_x_classe_patrim_imaterial (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepatriमimaterial character(8) NOT NULL
);

--
-- TOC entry 256 (class 1259 OID 184294)
-- Name: munic_x_classe_patrim_material; Type: TABLE; Schema: public; Owner: -
; Tablespace:
--

CREATE TABLE munic_x_classe_patrim_material (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepatriमmaterial character(8) NOT NULL
);

--
-- TOC entry 489 (class 1259 OID 240783)
-- Name: munic_x_classe_phm_monum_historico; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_phm_monum_historico (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassephtmmonumhistorico character(8) NOT NULL
);

--
-- TOC entry 487 (class 1259 OID 240759)
-- Name: munic_x_classe_phm_nucleo_historico; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_phm_nucleo_historico (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassephtm nucleo historico character(8) NOT NULL
);

--
-- TOC entry 495 (class 1259 OID 240852)
-- Name: munic_x_classe_pi_comunid_autentica; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_pi_comunid_autentica (

```

```

        geocodigomunicipio character(7) NOT NULL,
        codigoclassepicomunidaautentica character(8) NOT NULL
    );

--
-- TOC entry 497 (class 1259 OID 240875)
-- Name: munic_x_classe_pi_comunid_etnica; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE munic_x_classe_pi_comunid_etnica (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassepicomunidetnica character(8) NOT NULL
);

--
-- TOC entry 499 (class 1259 OID 240898)
-- Name: munic_x_classe_pi_manifest_artistica; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_pi_manifest_artistica (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassepimanifestartistica character(8) NOT NULL
);

--
-- TOC entry 540 (class 1259 OID 241418)
-- Name: munic_x_classe_pl_vulnerab_social; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_pl_vulnerab_social (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassepplvulnerabsocial character(8) NOT NULL
);

--
-- TOC entry 477 (class 1259 OID 240643)
-- Name: munic_x_classe_pn_conj_geogr; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_pn_conj_geogr (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassepncnjgeogr character(8) NOT NULL
);

--
-- TOC entry 479 (class 1259 OID 240666)
-- Name: munic_x_classe_pn_conj_nat_integ; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE munic_x_classe_pn_conj_nat_integ (
    geocodigomunicipio character(7) NOT NULL,
    codigoclassepncnjnatinteg character(8) NOT NULL
);

--
-- TOC entry 481 (class 1259 OID 240689)
-- Name: munic_x_classe_pn_ecossistema; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

```



```

CREATE TABLE munic_x_classe_pn_ecossistema (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepneccossistema character(8) NOT NULL
);

--
-- TOC entry 483 (class 1259 OID 240712)
-- Name: munic_x_classe_pn_paisagem_costeira; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_pn_paisagem_costeira (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepnpaisagemcosteira character(8) NOT NULL
);

--
-- TOC entry 485 (class 1259 OID 240735)
-- Name: munic_x_classe_pn_sistema_hidrografico; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_pn_sistema_hidrografico (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepnsistemahidrografico character(8) NOT NULL
);

--
-- TOC entry 491 (class 1259 OID 240806)
-- Name: munic_x_classe_pne_patrim_espeleologico; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_pne_patrim_espeleologico (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepnepatrimesperleologico character(8) NOT NULL
);

--
-- TOC entry 493 (class 1259 OID 240829)
-- Name: munic_x_classe_pne_recurso_hidrotermico; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE munic_x_classe_pne_recurso_hidrotermico (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassepnerrecursohidrotermico character(8) NOT NULL
);

--
-- TOC entry 423 (class 1259 OID 237447)
-- Name: munic_x_classe_silvicultura; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE munic_x_classe_silvicultura (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassesilvicultura character(8) NOT NULL
);

--
-- TOC entry 425 (class 1259 OID 237470)

```

```

-- Name: munic_x_classe_sisal; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE munic_x_classe_sisal (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassesisal character(8) NOT NULL
);

--
-- TOC entry 542 (class 1259 OID 241441)
-- Name: munic_x_classe_sistemas_sociais; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--
CREATE TABLE munic_x_classe_sistemas_sociais (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassesistemassociais character(8) NOT NULL
);

--
-- TOC entry 427 (class 1259 OID 237493)
-- Name: munic_x_classe_soja; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE munic_x_classe_soja (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassesoja character(8) NOT NULL
);

--
-- TOC entry 515 (class 1259 OID 241096)
-- Name: munic_x_classe_sustentab_socioecon_local; Type: TABLE; Schema:
public; Owner: -; Tablespace:
--
CREATE TABLE munic_x_classe_sustentab_socioecon_local (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassesustentabsocioeconlocal character(8) NOT NULL
);

--
-- TOC entry 517 (class 1259 OID 241119)
-- Name: munic_x_classe_sustentab_socioecon_regional; Type: TABLE; Schema:
public; Owner: -; Tablespace:
--
CREATE TABLE munic_x_classe_sustentab_socioecon_regional (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassesustentabsocioeconregional character(8) NOT NULL
);

--
-- TOC entry 546 (class 1259 OID 241474)
-- Name: munic_x_classe_tic; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
CREATE TABLE munic_x_classe_tic (
    geocodigomunicípio character(7) NOT NULL,
    codigoclassetic character(8) NOT NULL
);

--

```

```
-- TOC entry 363 (class 1259 OID 236457)
-- Name: munic_x_corpo_dagua_marinho; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE munic_x_corpo_dagua_marinho (
    geocodigomunicípio character(7) NOT NULL,
    identificadorcorpodaguamarinho integer NOT NULL
);
```

```
--
-- TOC entry 371 (class 1259 OID 236587)
-- Name: munic_x_fonte_potenc_energia; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--
```

```
CREATE TABLE munic_x_fonte_potenc_energia (
    geocodigomunicípio character(7) NOT NULL,
    codigofontepotencenergia character(8) NOT NULL
);
```

```
--
-- TOC entry 373 (class 1259 OID 236620)
-- Name: munic_x_fonte_potenc_produc_combust; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--
```

```
CREATE TABLE munic_x_fonte_potenc_produc_combust (
    geocodigomunicípio character(7) NOT NULL,
    codigofontepotencproduccombust character(8) NOT NULL
);
```

```
--
-- TOC entry 241 (class 1259 OID 182508)
-- Name: municipio; Type: TABLE; Schema: public; Owner: -; Tablespace:
--
```

```
CREATE TABLE municipio (
    gid integer NOT NULL,
    nome character varying(100),
    populacao2007 numeric,
    areakm2 numeric,
    perimetropoligono numeric,
    areapoligono numeric,
    the_geom geometry,
    geocodigo character(7),
    anodereferencia integer,
    nomeabrev character varying(50),
    semiarido boolean,
    poligonoseca boolean,
    codigoregiaoeconomica integer,
    codigoregiaoadministrativa integer,
    codigoeixodesenvolvimento integer,
    codigomicroregiao integer,
    codigodires integer,
    codigoterritorioidentidade integer,
    identificadormacrorregiao integer,
    populacao2010 numeric,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);
```

```
--
```

```

-- TOC entry 240 (class 1259 OID 182506)
-- Name: municipio_gid_seq; Type: SEQUENCE; Schema: public; Owner: -
--

CREATE SEQUENCE municipio_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

--

-- TOC entry 5810 (class 0 OID 0)
-- Dependencies: 240
-- Name: municipio_gid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: -
--

ALTER SEQUENCE municipio_gid_seq OWNED BY municipio.gid;

--

-- TOC entry 262 (class 1259 OID 184516)
-- Name: pasto_quilombolas_pescadores; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE pasto_quilombolas_pescadores (
    geocodigomunicipio character(7) NOT NULL,
    numcomunquilombola integer,
    numcomunfundopasto integer,
    numcomunpescadores integer
);

--

-- TOC entry 329 (class 1259 OID 228483)
-- Name: poligono_rh_subterraneo; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE poligono_rh_subterraneo (
    gid integer NOT NULL,
    profundmediapoco numeric,
    nivelestaticomediopoco numeric,
    niveldinamicomediopoco numeric,
    vazaomediapoco numeric,
    rebaixamento numeric,
    vazaoespecifica numeric,
    espessurasaturada numeric,
    volume numeric,
    reservapermanente numeric,
    reservareguladora numeric,
    potencialidadeannual numeric,
    disponibvirtual numeric,
    disponibefetiva numeric,
    disponibatual numeric,
    numeropocos numeric,
    aquifero character varying(50),
    rpgaunidadebalanco character varying(70),
    isoietasannual numeric,
    isoietasmensal numeric,
    subdominiohidrogeo character varying(100),
    dominiohidrogeo character varying(100),
    codigodsmr integer,
    the_geom geometry,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

```

```

--
-- TOC entry 273 (class 1259 OID 186203)
-- Name: poligono_up; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE poligono_up (
    gid integer NOT NULL,
    perimetrok m numeric,
    areakm2 numeric,
    the_geom geometry,
    identificador integer,
    identificadorup integer,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 268 (class 1259 OID 185104)
-- Name: poligono_utb; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE poligono_utb (
    gid integer NOT NULL,
    areakm2 numeric,
    identificador integer,
    the_geom geometry,
    identificadorutb integer,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 619 (class 1259 OID 277925)
-- Name: poligutb_x_classe_vulner_erosao; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE poligutb_x_classe_vulner_erosao (
    identificadorpoligonoutb integer NOT NULL,
    codigoclassevulnererosao character(8) NOT NULL
);

--
-- TOC entry 280 (class 1259 OID 210406)
-- Name: popul_n_atend_esgoto; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE popul_n_atend_esgoto (
    geocodigomunicipio character(7) NOT NULL,
    populacao double precision
);

--
-- TOC entry 378 (class 1259 OID 236919)
-- Name: porte_municipio; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE porte_municipio (

```

```

        codigo character(2) NOT NULL,
        descricao character varying(20)
    );

--
-- TOC entry 277 (class 1259 OID 200199)
-- Name: qab; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE qab (
    gid integer NOT NULL,
    identificadorclasseqab integer,
    perimetrok numeric,
    areakm2 numeric,
    the_geom geometry,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 245 (class 1259 OID 183922)
-- Name: regioao_administrativa; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE regioao_administrativa (
    codigo integer NOT NULL,
    nome character varying(100)
);

--
-- TOC entry 244 (class 1259 OID 183917)
-- Name: regioao_economica; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE regioao_economica (
    codigo integer NOT NULL,
    nome character varying(100)
);

--
-- TOC entry 286 (class 1259 OID 210456)
-- Name: sede_x_numero_veiculos; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE sede_x_numero_veiculos (
    geocodigomunicipio character(7) NOT NULL,
    quantidadeveiculos integer
);

--
-- TOC entry 284 (class 1259 OID 210436)
-- Name: sede_x_tipos_disposic_residuo; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE sede_x_tipos_disposic_residuo (
    geocodigomunicipio character(7) NOT NULL,
    identificadortipodisposicao integer NOT NULL
);

--

```

```

-- TOC entry 163 (class 1259 OID 16747)
-- Name: spatial_ref_sys; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE spatial_ref_sys (
  srid integer NOT NULL,
  auth_name character varying(256),
  auth_srid integer,
  srtext character varying(2048),
  proj4text character varying(2048)
);

--
-- TOC entry 243 (class 1259 OID 183457)
-- Name: territorio_identidade; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE territorio_identidade (
  gid integer NOT NULL,
  perimetropoligono numeric,
  areapoligono numeric,
  the_geom geometry,
  codigo integer,
  nome character varying(254),
  CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
  CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
  CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 242 (class 1259 OID 183455)
-- Name: territorio_identidade_gid_seq; Type: SEQUENCE; Schema: public; Owner:
-
--

CREATE SEQUENCE territorio_identidade_gid_seq
  START WITH 1
  INCREMENT BY 1
  NO MINVALUE
  NO MAXVALUE
  CACHE 1;

--
-- TOC entry 5811 (class 0 OID 0)
-- Dependencies: 242
-- Name: territorio_identidade_gid_seq; Type: SEQUENCE OWNED BY; Schema:
public; Owner: -
--

ALTER SEQUENCE territorio_identidade_gid_seq OWNED BY
territorio_identidade.gid;

--
-- TOC entry 596 (class 1259 OID 257039)
-- Name: ti_x_classe_cadeia_producao; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE ti_x_classe_cadeia_producao (
  codigoti integer NOT NULL,
  codigoclassecadeiaproducao character(8) NOT NULL
);

```

```

--
-- TOC entry 598 (class 1259 OID 257062)
-- Name: ti_x_classe_distrito_industrial; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE ti_x_classe_distrito_industrial (
    codigoti integer NOT NULL,
    codigoclassedistritoindustrial character(8) NOT NULL
);

--
-- TOC entry 443 (class 1259 OID 239454)
-- Name: ti_x_classe_investim_privados; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE ti_x_classe_investim_privados (
    codigoti integer NOT NULL,
    codigoclasseinvestimprivados character(8) NOT NULL
);

--
-- TOC entry 441 (class 1259 OID 239431)
-- Name: ti_x_classe_partic_colegiados; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE ti_x_classe_partic_colegiados (
    codigoti integer NOT NULL,
    codigoclasseparticcolegiados character(8) NOT NULL
);

--
-- TOC entry 447 (class 1259 OID 239500)
-- Name: ti_x_classe_politicas_estaduais; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE ti_x_classe_politicas_estaduais (
    codigoti integer NOT NULL,
    codigoclassepoliticasestaduais character(8) NOT NULL
);

--
-- TOC entry 445 (class 1259 OID 239477)
-- Name: ti_x_classe_politicas_federais; Type: TABLE; Schema: public; Owner: -
; Tablespace:
--

CREATE TABLE ti_x_classe_politicas_federais (
    codigoti integer NOT NULL,
    codigoclassepoliticasfederais character(8) NOT NULL
);

--
-- TOC entry 437 (class 1259 OID 239385)
-- Name: ti_x_classe_presenca_instituicoes; Type: TABLE; Schema: public;
Owner: -; Tablespace:
--

CREATE TABLE ti_x_classe_presenca_instituicoes (
    codigoti integer NOT NULL,
    codigoclassepresencainstituicoes character(8) NOT NULL
);

```



```

--
-- TOC entry 439 (class 1259 OID 239408)
-- Name: ti_x_classe_sist_gestao_ambient; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE ti_x_classe_sist_gestao_ambient (
    codigoti integer NOT NULL,
    codigoclassesistgestaoambient character(8) NOT NULL
);

--
-- TOC entry 377 (class 1259 OID 236914)
-- Name: tipo_concentracao_pib; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE tipo_concentracao_pib (
    codigo character(2) NOT NULL,
    descricao character varying(30)
);

--
-- TOC entry 283 (class 1259 OID 210426)
-- Name: tipo_disposic_residuo; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE tipo_disposic_residuo (
    identificador integer NOT NULL,
    nome character varying(60),
    identificadorgenero integer
);

--
-- TOC entry 379 (class 1259 OID 236924)
-- Name: tipo_predominancia_popul; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE tipo_predominancia_popul (
    codigo character(2) NOT NULL,
    descricao character varying(20)
);

--
-- TOC entry 380 (class 1259 OID 236929)
-- Name: tipo_tendencia_popul; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE tipo_tendencia_popul (
    codigo character(1) NOT NULL,
    descricao character varying(20)
);

--
-- TOC entry 344 (class 1259 OID 235247)
-- Name: ub_x_classe_conserv_aguas_sup; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

```

```

CREATE TABLE ub_x_classe_conserv_aguas_sup (
    codigounidadebalanco character(8) NOT NULL,
    codigoclasseconservacaoaguassuperficiais character(8) NOT NULL
);

--
-- TOC entry 338 (class 1259 OID 235178)
-- Name: ub_x_classe_disp_hidrica_superf; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE ub_x_classe_disp_hidrica_superf (
    codigounidadebalanco character(8) NOT NULL,
    codigoclassedisponibilidadehidricasuperficial character(8) NOT NULL
);

--
-- TOC entry 342 (class 1259 OID 235224)
-- Name: ub_x_classe_qualid_aguas_superf; Type: TABLE; Schema: public; Owner:
-; Tablespace:
--

CREATE TABLE ub_x_classe_qualid_aguas_superf (
    codigounidadebalanco character(8) NOT NULL,
    codigoclassequalidadeaguassuperficiais character(8) NOT NULL
);

--
-- TOC entry 340 (class 1259 OID 235201)
-- Name: ub_x_classe_salin_aguas_superf; Type: TABLE; Schema: public; Owner: -
; Tablespace:
--

CREATE TABLE ub_x_classe_salin_aguas_superf (
    codigounidadebalanco character(8) NOT NULL,
    codigoclassesalinizacaoaguassuperficiais character(8) NOT NULL
);

--
-- TOC entry 622 (class 1259 OID 277950)
-- Name: ub_x_classe_vulner_rh_superf; Type: TABLE; Schema: public; Owner: -;
Tablesapce:
--

CREATE TABLE ub_x_classe_vulner_rh_superf (
    codigoub character(8) NOT NULL,
    codigoclassevulnerrrhsuperf character(8) NOT NULL
);

--
-- TOC entry 274 (class 1259 OID 189952)
-- Name: unidade_paisagem; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

CREATE TABLE unidade_paisagem (
    identificador integer NOT NULL,
    simbolo character varying(8),
    descricao character varying(254),
    nome character varying(254)
);

--
-- TOC entry 270 (class 1259 OID 186123)
-- Name: utb; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

```

```

CREATE TABLE utb (
    identificador integer NOT NULL,
    numero integer,
    nome character varying(50),
    descricao character varying(254),
    codigodominiomorfologico character varying(254),
    zonafitoclimatica character varying(254)
);

--
-- TOC entry 448 (class 1259 OID 240063)
-- Name: v_classe_algodao; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_algodao AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_algodao.codigo AS
codigoclassealgodao, classe_algodao.criterio, replace('\n'::text ||
classe_algodao.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_algodao.limitacoes), '\n'::text, '<br
/><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_algodao.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS recomendacoes
FROM ((munic_x_classe_algodao LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_algodao.geocodigomunicipio))) LEFT JOIN classe_algodao ON
((classe_algodao.codigo = munic_x_classe_algodao.codigoclassealgodao)));

--
-- TOC entry 315 (class 1259 OID 223530)
-- Name: v_classe_alliance_zero_extinction; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_alliance_zero_extinction AS
SELECT alliancezeroextinction_baze_2010.gid,
alliancezeroextinction_baze_2010.id, alliancezeroextinction_baze_2010.hectares,
alliancezeroextinction_baze_2010.shape_leng,
alliancezeroextinction_baze_2010.shape_area,
alliancezeroextinction_baze_2010.the_geom,
alliancezeroextinction_baze_2010.codigoclasse,
classe_alliance_zero_extinction.criterio, replace('\n'::text ||
classe_alliance_zero_extinction.potencialidade), '\n'::text, '<br /><b>o</b> '::text)
AS potencialidade, replace('\n'::text ||
classe_alliance_zero_extinction.limitacoes), '\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace('\n'::text || classe_alliance_zero_extinction.recomendacoes),
'\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
(original.alliancezeroextinction_baze_2010 LEFT JOIN classe_alliance_zero_extinction
ON ((classe_alliance_zero_extinction.codigo =
alliancezeroextinction_baze_2010.codigoclasse)));

--
-- TOC entry 449 (class 1259 OID 240068)
-- Name: v_classe_apicultura; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_apicultura AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_apicultura.codigo AS
codigoclasseapicultura, classe_apicultura.criterio, replace('\n'::text ||
classe_apicultura.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_apicultura.limitacoes), '\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_apicultura.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((munic_x_classe_apicultura LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_apicultura.geocodigomunicipio))) LEFT JOIN

```

```
classe_apicultura ON ((classe_apicultura.codigo =
munic_x_classe_apicultura.codigoclasseapicultura)));
```

```
--
-- TOC entry 320 (class 1259 OID 223553)
-- Name: v_classe_area_carstica; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_area_carstica AS
SELECT icmbio_regiao_carstica_2009.gid,
icmbio_regiao_carstica_2009.r_carstica, icmbio_regiao_carstica_2009.count,
icmbio_regiao_carstica_2009.ave_area, icmbio_regiao_carstica_2009.ave_perime,
icmbio_regiao_carstica_2009.first_prov, icmbio_regiao_carstica_2009.first_hier,
icmbio_regiao_carstica_2009.first_eon, icmbio_regiao_carstica_2009.first_era,
icmbio_regiao_carstica_2009.first_orig, icmbio_regiao_carstica_2009.shape_leng,
icmbio_regiao_carstica_2009.shape_area, icmbio_regiao_carstica_2009.the_geom,
icmbio_regiao_carstica_2009.codigoclasse, classe_area_carstica.criterio,
replace(('\\n'::text || classe_area_carstica.potencialidade), '\\n'::text, '<br
/><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||
classe_area_carstica.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS limitacoes,
replace(('\\n'::text || classe_area_carstica.recomendacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM (original.icmbio_regiao_carstica_2009 LEFT
JOIN classe_area_carstica ON ((classe_area_carstica.codigo =
icmbio_regiao_carstica_2009.codigoclasse)));
```

```
--
-- TOC entry 325 (class 1259 OID 223576)
-- Name: v_classe_area_conservacao; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_area_conservacao AS
SELECT area_conservacao.gid, area_conservacao.codigo,
area_conservacao.classeprobio, area_conservacao.observacao,
area_conservacao.classezee, area_conservacao.the_geom, area_conservacao.codigoclasse,
classe_area_conservacao.criterio, replace(('\\n'::text ||
classe_area_conservacao.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_area_conservacao.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_area_conservacao.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM (area_conservacao LEFT JOIN classe_area_conservacao ON
((classe_area_conservacao.codigo = area_conservacao.codigoclasse)));
```

```
--
-- TOC entry 319 (class 1259 OID 223549)
-- Name: v_classe_area_holistica_geodivers; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_area_holistica_geodivers AS
SELECT cprm_area_holisticas_geodiversidade_2009.gid,
cprm_area_holisticas_geodiversidade_2009.geo_nom,
cprm_area_holisticas_geodiversidade_2009.geo_tem,
cprm_area_holisticas_geodiversidade_2009.shape_leng,
cprm_area_holisticas_geodiversidade_2009.shape_area,
cprm_area_holisticas_geodiversidade_2009.the_geom,
cprm_area_holisticas_geodiversidade_2009.codigoclasse,
classe_area_holistica_geodivers.criterio, replace(('\\n'::text ||
classe_area_holistica_geodivers.potencialidade), '\\n'::text, '<br /><b>o</b> '::text)
AS potencialidade, replace(('\\n'::text ||
classe_area_holistica_geodivers.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_area_holistica_geodivers.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
(original.cprm_area_holisticas_geodiversidade_2009 LEFT JOIN
classe_area_holistica_geodivers ON ((classe_area_holistica_geodivers.codigo =
cprm_area_holisticas_geodiversidade_2009.codigoclasse)));
```

```
--
```

```
-- TOC entry 317 (class 1259 OID 223539)
-- Name: v_classe_area_importancia_biolog; Type: VIEW; Schema: public; Owner:
-
--
```

```
CREATE VIEW v_classe_area_importancia_biolog AS
SELECT mma_importancia_biologica_2007.gid,
mma_importancia_biologica_2007.gid0, mma_importancia_biologica_2007.acao_pril,
mma_importancia_biologica_2007.bioma2, mma_importancia_biologica_2007.sub_biom3,
mma_importancia_biologica_2007.nome4, mma_importancia_biologica_2007.cod_id5,
mma_importancia_biologica_2007.tipo6, mma_importancia_biologica_2007.importan7,
mma_importancia_biologica_2007.priorida8, mma_importancia_biologica_2007.acao19,
mma_importancia_biologica_2007.acao210, mma_importancia_biologica_2007.acao311,
mma_importancia_biologica_2007.acao412, mma_importancia_biologica_2007.acao513,
mma_importancia_biologica_2007.acao614, mma_importancia_biologica_2007.cria_ucl15,
mma_importancia_biologica_2007.grupo_ucl16, mma_importancia_biologica_2007.caracter17,
mma_importancia_biologica_2007.oportun18, mma_importancia_biologica_2007.ameacas19,
mma_importancia_biologica_2007.shape_leng, mma_importancia_biologica_2007.shape_area,
mma_importancia_biologica_2007.the_geom, mma_importancia_biologica_2007.codigoclasse,
classe_area_importancia_biolog.criterio, replace(('\\n'::text ||
classe_area_importancia_biolog.potencialidade), '\\n'::text, '<br /><b>o</b> '::text)
AS potencialidade, replace(('\\n'::text || classe_area_importancia_biolog.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_area_importancia_biolog.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text)
AS recomendacoes FROM (original.mma_importancia_biologica_2007 LEFT JOIN
classe_area_importancia_biolog ON ((classe_area_importancia_biolog.codigo =
mma_importancia_biologica_2007.codigoclasse)));
```

```
--
-- TOC entry 322 (class 1259 OID 223563)
-- Name: v_classe_area_suscep_desertific; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_area_suscep_desertific AS
SELECT mma_desertificacao_2004.gid, mma_desertificacao_2004.asd0,
mma_desertificacao_2004.descricao, mma_desertificacao_2004.shape_leng,
mma_desertificacao_2004.shape_area, mma_desertificacao_2004.the_geom,
mma_desertificacao_2004.codigoclasse, classe_area_suscep_desertific.criterio,
replace(('\\n'::text || classe_area_suscep_desertific.potencialidade), '\\n'::text,
'<br /><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||
classe_area_suscep_desertific.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_area_suscep_desertific.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
(original.mma_desertificacao_2004 LEFT JOIN classe_area_suscep_desertific ON
((classe_area_suscep_desertific.codigo = mma_desertificacao_2004.codigoclasse)));
```

```
--
-- TOC entry 369 (class 1259 OID 236510)
-- Name: v_classe_area_viveiro_maricult; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_area_viveiro_maricult AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_area_viveiro_maricult.codigo
AS codigoclasseareaviveiromaricultura, classe_area_viveiro_maricult.criterio,
classe_area_viveiro_maricult.potencialidade, replace(('\\n'::text ||
classe_area_viveiro_maricult.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_area_viveiro_maricult.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((munic_x_classe_area_viveiro_maricult LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_area_viveiro_maricult.geocodigomunicipio))) LEFT JOIN
classe_area_viveiro_maricult ON ((classe_area_viveiro_maricult.codigo =
munic_x_classe_area_viveiro_maricult.codigoclasseareaviveiromaricultura)));
```

```
--
-- TOC entry 603 (class 1259 OID 257110)
```

```
-- Name: v_classe_arranjo_minerario; Type: VIEW; Schema: public; Owner: -  
--
```

```
CREATE VIEW v_classe_arranjo_minerario AS  
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS  
nomemunicipio, municipio.gid, municipio.the_geom, classe_arranjo_minerario.codigo AS  
codigoclassearranjominerario, classe_arranjo_minerario.criterio, replace('\n':text ||  
classe_arranjo_minerario.potencialidade), '\n':text, '<br /><b>o</b>'::text) AS  
potencialidade, replace('\n':text || classe_arranjo_minerario.limitacoes),  
\n':text, '<br /><b>o</b>'::text) AS limitacoes, replace('\n':text ||  
classe_arranjo_minerario.recomendacoes), '\n':text, '<br /><b>o</b>'::text) AS  
recomendacoes FROM ((munic_x_classe_arranjo_minerario LEFT JOIN municipio ON  
((municipio.geocodigo = munic_x_classe_arranjo_minerario.geocodigomunicipio))) LEFT  
JOIN classe_arranjo_minerario ON ((classe_arranjo_minerario.codigo =  
munic_x_classe_arranjo_minerario.codigoclassearranjominerario)));
```

```
--  
-- TOC entry 450 (class 1259 OID 240073)  
-- Name: v_classe_avicultura; Type: VIEW; Schema: public; Owner: -  
--
```

```
CREATE VIEW v_classe_avicultura AS  
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS  
nomemunicipio, municipio.gid, municipio.the_geom, classe_avicultura.codigo AS  
codigoclasseavicultura, classe_avicultura.criterio, replace('\n':text ||  
classe_avicultura.potencialidade), '\n':text, '<br /><b>o</b>'::text) AS  
potencialidade, replace('\n':text || classe_avicultura.limitacoes), '\n':text,  
<br /><b>o</b>'::text) AS limitacoes, replace('\n':text ||  
classe_avicultura.recomendacoes), '\n':text, '<br /><b>o</b>'::text) AS  
recomendacoes FROM ((munic_x_classe_avicultura LEFT JOIN municipio ON  
((municipio.geocodigo = munic_x_classe_avicultura.geocodigomunicipio))) LEFT JOIN  
classe_avicultura ON ((classe_avicultura.codigo =  
munic_x_classe_avicultura.codigoclasseavicultura)));
```

```
--  
-- TOC entry 451 (class 1259 OID 240078)  
-- Name: v_classe_bovinocultura; Type: VIEW; Schema: public; Owner: -  
--
```

```
CREATE VIEW v_classe_bovinocultura AS  
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS  
nomemunicipio, municipio.gid, municipio.the_geom, classe_bovinocultura.codigo AS  
codigoclassebovinocultura, classe_bovinocultura.criterio, replace('\n':text ||  
classe_bovinocultura.potencialidade), '\n':text, '<br /><b>o</b>'::text) AS  
potencialidade, replace('\n':text || classe_bovinocultura.limitacoes), '\n':text,  
<br /><b>o</b>'::text) AS limitacoes, replace('\n':text ||  
classe_bovinocultura.recomendacoes), '\n':text, '<br /><b>o</b>'::text) AS  
recomendacoes FROM ((munic_x_classe_bovinocultura LEFT JOIN municipio ON  
((municipio.geocodigo = munic_x_classe_bovinocultura.geocodigomunicipio))) LEFT JOIN  
classe_bovinocultura ON ((classe_bovinocultura.codigo =  
munic_x_classe_bovinocultura.codigoclassebovinocultura)));
```

```
--  
-- TOC entry 452 (class 1259 OID 240083)  
-- Name: v_classe_cacau; Type: VIEW; Schema: public; Owner: -  
--
```

```
CREATE VIEW v_classe_cacau AS  
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS  
nomemunicipio, municipio.gid, municipio.the_geom, classe_cacau.codigo AS  
codigoclassecacau, classe_cacau.criterio, replace('\n':text ||  
classe_cacau.potencialidade), '\n':text, '<br /><b>o</b>'::text) AS potencialidade,  
replace('\n':text || classe_cacau.limitacoes), '\n':text, '<br /><b>o</b>'::text) AS  
limitacoes, replace('\n':text || classe_cacau.recomendacoes), '\n':text, '<br  
><b>o</b>'::text) AS recomendacoes FROM ((munic_x_classe_cacau LEFT JOIN municipio  
ON ((municipio.geocodigo = munic_x_classe_cacau.geocodigomunicipio))) LEFT JOIN  
classe_cacau ON ((classe_cacau.codigo = munic_x_classe_cacau.codigoclassecacau)));
```

```
--
-- TOC entry 601 (class 1259 OID 257100)
-- Name: v_classe_cadeia_producao; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_cadeia_producao AS
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,
classe_cadeia_producao.codigo AS codigoclassecadeiaproducao,
classe_cadeia_producao.criterio, replace('\n'::text ||
classe_cadeia_producao.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_cadeia_producao.limitacoes),
'\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_cadeia_producao.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_cadeia_producao LEFT JOIN territorio_identidade ON
((territorio_identidade.codigo = ti_x_classe_cadeia_producao.codigoti))) LEFT JOIN
classe_cadeia_producao ON ((classe_cadeia_producao.codigo =
ti_x_classe_cadeia_producao.codigoclassecadeiaproducao)));
```

```
--
-- TOC entry 453 (class 1259 OID 240088)
-- Name: v_classe_cafe; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_cafe AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_cafe.codigo AS
codigoclassecafe, classe_cafe.criterio, replace('\n'::text ||
classe_cafe.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS potencialidade,
replace('\n'::text || classe_cafe.limitacoes), '\n'::text, '<br /><b>o</b> '::text)
AS limitacoes, replace('\n'::text || classe_cafe.recomendacoes), '\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_cafe LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_cafe.geocodigomunicipio))) LEFT JOIN
classe_cafe ON ((classe_cafe.codigo = munic_x_classe_cafe.codigoclassecafe)));
```

```
--
-- TOC entry 454 (class 1259 OID 240093)
-- Name: v_classe_cana; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_cana AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_cana.codigo AS
codigoclassecana, classe_cana.criterio, replace('\n'::text ||
classe_cana.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS potencialidade,
replace('\n'::text || classe_cana.limitacoes), '\n'::text, '<br /><b>o</b> '::text)
AS limitacoes, replace('\n'::text || classe_cana.recomendacoes), '\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_cana LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_cana.geocodigomunicipio))) LEFT JOIN
classe_cana ON ((classe_cana.codigo = munic_x_classe_cana.codigoclassecana)));
```

```
--
-- TOC entry 455 (class 1259 OID 240098)
-- Name: v_classe_caprinocultura; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_caprinocultura AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_caprinocultura.codigo AS
codigoclassecaprinocultura, classe_caprinocultura.criterio, replace('\n'::text ||
classe_caprinocultura.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_caprinocultura.limitacoes), '\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_caprinocultura.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((munic_x_classe_caprinocultura LEFT JOIN municipio ON
```

```
((municipio.geocodigo = munic_x_classe_caprinocultura.geocodigomunicipio))) LEFT JOIN
classe_caprinocultura ON ((classe_caprinocultura.codigo =
munic_x_classe_caprinocultura.codigoclassecaprinocultura));
```

```
--
```

```
-- TOC entry 321 (class 1259 OID 223558)
-- Name: v_classe_caverna; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_caverna AS
SELECT icmbio_caverna_2009.gid, icmbio_caverna_2009.estado,
icmbio_caverna_2009.cnc_sbe, icmbio_caverna_2009.codex, icmbio_caverna_2009.nome,
icmbio_caverna_2009.municipio, icmbio_caverna_2009.localidade,
icmbio_caverna_2009.litologia, icmbio_caverna_2009.lat_dd,
icmbio_caverna_2009.long_dd, icmbio_caverna_2009.the_geom,
icmbio_caverna_2009.codigoclasse, classe_caverna.criterio, replace(('\\n'::text ||
classe_caverna.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_caverna.limitacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_caverna.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes
FROM (original.icmbio_caverna_2009 LEFT JOIN classe_caverna ON
((classe_caverna.codigo = icmbio_caverna_2009.codigoclasse)));
```

```
--
```

```
-- TOC entry 456 (class 1259 OID 240103)
-- Name: v_classe_citros; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_citros AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_citros.codigo AS
codigoclassecitros, classe_citros.criterio, replace(('\\n'::text ||
classe_citros.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_citros.limitacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_citros.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes
FROM ((munic_x_classe_citros LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_citros.geocodigomunicipio))) LEFT JOIN classe_citros ON
((classe_citros.codigo = munic_x_classe_citros.codigoclassecitros)));
```

```
--
```

```
-- TOC entry 457 (class 1259 OID 240108)
-- Name: v_classe_coco; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_coco AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_coco.codigo AS
codigoclassecoco, classe_coco.criterio, replace(('\\n'::text ||
classe_coco.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS potencialidade,
replace(('\\n'::text || classe_coco.limitacoes), '\\n'::text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\\n'::text || classe_coco.recomendacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_coco LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_coco.geocodigomunicipio))) LEFT JOIN
classe_coco ON ((classe_coco.codigo = munic_x_classe_coco.codigoclassecoco)));
```

```
--
```

```
-- TOC entry 353 (class 1259 OID 236106)
-- Name: v_classe_conserv_aguas_subterraneas; Type: VIEW; Schema: public;
Owner: -
--
```

```
CREATE VIEW v_classe_conserv_aguas_subterraneas AS
SELECT poligono_rh_subterraneo.gid, poligono_rh_subterraneo.profundmediapoco,
poligono_rh_subterraneo.nivelestaticomediopoco,
poligono_rh_subterraneo.niveldinamicomediopoco,
poligono_rh_subterraneo.vazaomediapoco, poligono_rh_subterraneo.rebaixamento,
```



```

poligono_rh_subterraneo.vazaoespecifica, poligono_rh_subterraneo.espressurasaturada,
poligono_rh_subterraneo.volume, poligono_rh_subterraneo.reservapermanente,
poligono_rh_subterraneo.reservareguladora,
poligono_rh_subterraneo.potencialidadeanual, poligono_rh_subterraneo.disponibvirtual,
poligono_rh_subterraneo.disponibefetiva, poligono_rh_subterraneo.disponibatual,
poligono_rh_subterraneo.numeropocos, poligono_rh_subterraneo.aquifero,
poligono_rh_subterraneo.rpgaunidadebalanco, poligono_rh_subterraneo.isoietas anual,
poligono_rh_subterraneo.isoietasmensal, poligono_rh_subterraneo.subdominiohidrogeo,
poligono_rh_subterraneo.dominiohidrogeo, poligono_rh_subterraneo.codigodsmr,
poligono_rh_subterraneo.the_geom, classe_conserv_aguas_subterraneas.codigo AS
codigoclasseconservaguassubter, classe_conserv_aguas_subterraneas.criterio,
replace(('\\n'::text || classe_conserv_aguas_subterraneas.potencialidade), '\\n'::text,
'<br /><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||
classe_conserv_aguas_subterraneas.limitacoes), '\\n'::text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\\n'::text ||
classe_conserv_aguas_subterraneas.recomendacoes), '\\n'::text, '<br /><b>o</b>
'::text) AS recomendacoes FROM ((dsmr_x_classe_conserv_aguas_subter LEFT JOIN
poligono_rh_subterraneo ON ((poligono_rh_subterraneo.codigodsmr =
dsmr_x_classe_conserv_aguas_subter.codigodsmr))) LEFT JOIN
classe_conserv_aguas_subterraneas ON ((classe_conserv_aguas_subterraneas.codigo =
dsmr_x_classe_conserv_aguas_subter.codigoclasseconservaguassubter)));

```

```

--
-- TOC entry 366 (class 1259 OID 236495)
-- Name: v_classe_corpo_dagua_contin; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corpo_dagua_contin AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_corpo_dagua_contin.codigo AS
codigoclassecorpodaguacontinental, classe_corpo_dagua_contin.criterio,
classe_corpo_dagua_contin.potencialidade, replace(('\\n'::text ||
classe_corpo_dagua_contin.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_corpo_dagua_contin.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((munic_x_classe_corpo_dagua_contin LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_corpo_dagua_contin.geocodigomunicipio))) LEFT JOIN
classe_corpo_dagua_contin ON ((classe_corpo_dagua_contin.codigo =
munic_x_classe_corpo_dagua_contin.codigoclassecorpodaguacontinental)));

```

```

--
-- TOC entry 567 (class 1259 OID 241757)
-- Name: v_classe_corredor_ns_inter; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_ns_inter AS
SELECT gargalo_x_classe_corredor_ns_inter.identificadoreixo,
gargalos_sistema_transporte.nomeeixo,
gargalos_sistema_transporte.graudificuldadefluicao,
gargalos_sistema_transporte.aspectoindicacaogargalo, gargalos_sistema_transporte.gid,
gargalos_sistema_transporte.the_geom, classe_corredor_ns_inter.codigo AS
codigoclassecorredornsinter, classe_corredor_ns_inter.criterio, replace(('\\n'::text
|| classe_corredor_ns_inter.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_corredor_ns_inter.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_corredor_ns_inter.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_ns_inter LEFT JOIN
gargalos_sistema_transporte ON ((gargalos_sistema_transporte.identificador =
gargalo_x_classe_corredor_ns_inter.identificadoreixo))) LEFT JOIN
classe_corredor_ns_inter ON ((classe_corredor_ns_inter.codigo =
gargalo_x_classe_corredor_ns_inter.codigoclassecorredornsinter)));

```

```

--
-- TOC entry 568 (class 1259 OID 241762)
-- Name: v_classe_corredor_ns_interp; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_ns_interp AS
SELECT gargalo_x_classe_corredor_ns_interp.identificadoreixo,
gargalos_porto.nome, gargalos_porto.localocorrenca, gargalos_porto.corredor,
gargalos_porto.gid, gargalos_porto.the_geom, classe_corredor_ns_interp.codigo AS
codigoclassecorredornsiinterp, classe_corredor_ns_interp.criterio, replace(('\\n'::text
|| classe_corredor_ns_interp.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_corredor_ns_interp.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_corredor_ns_interp.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_ns_interp LEFT JOIN gargalos_porto ON
((gargalos_porto.identificador =
gargalo_x_classe_corredor_ns_interp.identificadoreixo))) LEFT JOIN
classe_corredor_ns_interp ON ((classe_corredor_ns_interp.codigo =
gargalo_x_classe_corredor_ns_interp.codigoclassecorredornsiinterp)));

```

```

--
-- TOC entry 566 (class 1259 OID 241752)
-- Name: v_classe_corredor_ns_litor; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_ns_litor AS
SELECT gargalo_x_classe_corredor_ns_litor.identificadoreixo,
gargalos_sistema_transporte.nomeeixo,
gargalos_sistema_transporte.graudificuldadefluicao,
gargalos_sistema_transporte.aspectoindicacaogargalo, gargalos_sistema_transporte.gid,
gargalos_sistema_transporte.the_geom, classe_corredor_ns_litor.codigo AS
codigoclassecorredornslitor, classe_corredor_ns_litor.criterio, replace(('\\n'::text
|| classe_corredor_ns_litor.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_corredor_ns_litor.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_corredor_ns_litor.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_ns_litor LEFT JOIN
gargalos_sistema_transporte ON ((gargalos_sistema_transporte.identificador =
gargalo_x_classe_corredor_ns_litor.identificadoreixo))) LEFT JOIN
classe_corredor_ns_litor ON ((classe_corredor_ns_litor.codigo =
gargalo_x_classe_corredor_ns_litor.codigoclassecorredornslitor)));

```

```

--
-- TOC entry 572 (class 1259 OID 241782)
-- Name: v_classe_corredor_ns_marit; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_ns_marit AS
SELECT gargalo_x_classe_corredor_ns_marit.identificadoreixo,
gargalos_limite_costeiro.nomeregiaoocosteira,
gargalos_limite_costeiro.localocorrenca, gargalos_limite_costeiro.gid,
gargalos_limite_costeiro.the_geom, classe_corredor_ns_marit.codigo AS
codigoclassecorredornsmarit, classe_corredor_ns_marit.criterio, replace(('\\n'::text
|| classe_corredor_ns_marit.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_corredor_ns_marit.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_corredor_ns_marit.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_ns_marit LEFT JOIN
gargalos_limite_costeiro ON ((gargalos_limite_costeiro.identificador =
gargalo_x_classe_corredor_ns_marit.identificadoreixo))) LEFT JOIN
classe_corredor_ns_marit ON ((classe_corredor_ns_marit.codigo =
gargalo_x_classe_corredor_ns_marit.codigoclassecorredornsmarit)));

```

```

--
-- TOC entry 573 (class 1259 OID 241787)
-- Name: v_classe_corredor_ns_maritp; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_ns_maritp AS
SELECT gargalo_x_classe_corredor_ns_maritp.identificadoreixo,
gargalos_porto.nome, gargalos_porto.localocorrenca, gargalos_porto.corredor,
gargalos_porto.gid, gargalos_porto.the_geom, classe_corredor_ns_maritp.codigo AS

```

```

codigoclassecorredornsmaritp, classe_corredor_ns_maritp.criterio, replace(('\\n'::text
|| classe_corredor_ns_maritp.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_corredor_ns_maritp.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_corredor_ns_maritp.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_ns_maritp LEFT JOIN gargalos_porto ON
((gargalos_porto.identificador =
gargalo_x_classe_corredor_ns_maritp.identificadoreixo))) LEFT JOIN
classe_corredor_ns_maritp ON ((classe_corredor_ns_maritp.codigo =
gargalo_x_classe_corredor_ns_maritp.codigoclassecorredornsmaritp)));

```

```

--
-- TOC entry 569 (class 1259 OID 241767)
-- Name: v_classe_corredor_ns_oeste; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_ns_oeste AS
SELECT gargalo_x_classe_corredor_ns_oeste.identificadoreixo,
gargalos_sistema_transporte.nomeeixo,
gargalos_sistema_transporte.graudificuldadefluicao,
gargalos_sistema_transporte.aspectoindicacaogargalo, gargalos_sistema_transporte.gid,
gargalos_sistema_transporte.the_geom, classe_corredor_ns_oeste.codigo AS
codigoclassecorredornsoeste, classe_corredor_ns_oeste.criterio, replace(('\\n'::text
|| classe_corredor_ns_oeste.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_corredor_ns_oeste.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_corredor_ns_oeste.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_ns_oeste LEFT JOIN
gargalos_sistema_transporte ON ((gargalos_sistema_transporte.identificador =
gargalo_x_classe_corredor_ns_oeste.identificadoreixo))) LEFT JOIN
classe_corredor_ns_oeste ON ((classe_corredor_ns_oeste.codigo =
gargalo_x_classe_corredor_ns_oeste.codigoclassecorredornsoeste)));

```

```

--
-- TOC entry 571 (class 1259 OID 241777)
-- Name: v_classe_corredor_transv_n; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_transv_n AS
SELECT gargalo_x_classe_corredor_transv_n.identificadoreixo,
gargalos_sistema_transporte.nomeeixo,
gargalos_sistema_transporte.graudificuldadefluicao,
gargalos_sistema_transporte.aspectoindicacaogargalo, gargalos_sistema_transporte.gid,
gargalos_sistema_transporte.the_geom, classe_corredor_transv_n.codigo AS
codigoclassecorredortransvn, classe_corredor_transv_n.criterio, replace(('\\n'::text
|| classe_corredor_transv_n.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_corredor_transv_n.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_corredor_transv_n.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_transv_n LEFT JOIN
gargalos_sistema_transporte ON ((gargalos_sistema_transporte.identificador =
gargalo_x_classe_corredor_transv_n.identificadoreixo))) LEFT JOIN
classe_corredor_transv_n ON ((classe_corredor_transv_n.codigo =
gargalo_x_classe_corredor_transv_n.codigoclassecorredortransvn)));

```

```

--
-- TOC entry 570 (class 1259 OID 241772)
-- Name: v_classe_corredor_transv_ol; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_corredor_transv_ol AS
SELECT gargalo_x_classe_corredor_transv_ol.identificadoreixo,
gargalos_sistema_transporte.nomeeixo,
gargalos_sistema_transporte.graudificuldadefluicao,
gargalos_sistema_transporte.aspectoindicacaogargalo, gargalos_sistema_transporte.gid,
gargalos_sistema_transporte.the_geom, classe_corredor_transv_ol.codigo AS

```

```

codigoclassecorredortransvol, classe_corredor_transv_ol.criterio, replace(('\\n':text
|| classe_corredor_transv_ol.potencialidade), '\\n':text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n':text || classe_corredor_transv_ol.limitacoes),
 '\\n':text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n':text ||
classe_corredor_transv_ol.recomendacoes), '\\n':text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((gargalo_x_classe_corredor_transv_ol LEFT JOIN
gargalos_sistema_transporte ON ((gargalos_sistema_transporte.identificador =
gargalo_x_classe_corredor_transv_ol.identificadoreixo))) LEFT JOIN
classe_corredor_transv_ol ON ((classe_corredor_transv_ol.codigo =
gargalo_x_classe_corredor_transv_ol.codigoclassecorredortransvol)));

```

```

--
-- TOC entry 458 (class 1259 OID 240113)
-- Name: v_classe_dende; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_dende AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_dende.codigo AS
codigoclassedende, classe_dende.criterio, replace(('\\n':text ||
classe_dende.potencialidade), '\\n':text, '<br /><b>o</b> '::text) AS potencialidade,
replace(('\\n':text || classe_dende.limitacoes), '\\n':text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\\n':text || classe_dende.recomendacoes), '\\n':text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_dende LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_dende.geocodigomunicipio))) LEFT JOIN
classe_dende ON ((classe_dende.codigo = munic_x_classe_dende.codigoclassedende)));

```

```

--
-- TOC entry 351 (class 1259 OID 236096)
-- Name: v_classe_disponib_hidrica_subterranea; Type: VIEW; Schema: public;
Owner: -
--

```

```

CREATE VIEW v_classe_disponib_hidrica_subterranea AS
SELECT poligono_rh_subterraneo.gid, poligono_rh_subterraneo.profundmediapoco,
poligono_rh_subterraneo.nivelestaticomediopoco,
poligono_rh_subterraneo.niveldinamicomediopoco,
poligono_rh_subterraneo.vazaomediapoco, poligono_rh_subterraneo.rebaixamento,
poligono_rh_subterraneo.vazaoespecifica, poligono_rh_subterraneo.essurasaturada,
poligono_rh_subterraneo.volume, poligono_rh_subterraneo.reservapermanente,
poligono_rh_subterraneo.reservareguladora,
poligono_rh_subterraneo.potencialidadeanual, poligono_rh_subterraneo.disponibvirtual,
poligono_rh_subterraneo.disponibefetiva, poligono_rh_subterraneo.disponibatual,
poligono_rh_subterraneo.numeropocos, poligono_rh_subterraneo.aquifero,
poligono_rh_subterraneo.rpgaunidadebalanco, poligono_rh_subterraneo.isoietasanual,
poligono_rh_subterraneo.isoietasmensal, poligono_rh_subterraneo.subdominiohidrogeo,
poligono_rh_subterraneo.dominiohidrogeo, poligono_rh_subterraneo.codigodsmr,
poligono_rh_subterraneo.the_geom, classe_disponib_hidrica_subterranea.codigo AS
codigoclassedisphdrsubter, classe_disponib_hidrica_subterranea.criterio,
replace(('\\n':text || classe_disponib_hidrica_subterranea.potencialidade),
 '\\n':text, '<br /><b>o</b> '::text) AS potencialidade, replace(('\\n':text ||
classe_disponib_hidrica_subterranea.limitacoes), '\\n':text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\\n':text ||
classe_disponib_hidrica_subterranea.recomendacoes), '\\n':text, '<br /><b>o</b>
 '::text) AS recomendacoes FROM ((dsmr_x_classe_disp_hidr_subter LEFT JOIN
poligono_rh_subterraneo ON ((poligono_rh_subterraneo.codigodsmr =
dsmr_x_classe_disp_hidr_subter.codigodsmr))) LEFT JOIN
classe_disponib_hidrica_subterranea ON ((classe_disponib_hidrica_subterranea.codigo =
dsmr_x_classe_disp_hidr_subter.codigoclassedisphdrsubter)));

```

```

--
-- TOC entry 602 (class 1259 OID 257105)
-- Name: v_classe_distrito_industrial; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_distrito_industrial AS
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,

```

```

classe_distrito_industrial.codigo AS codigoclassedistritoindustrial,
classe_distrito_industrial.criterio, replace(('\\n'::text ||
classe_distrito_industrial.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_distrito_industrial.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_distrito_industrial.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_distrito_industrial LEFT JOIN territorio_identidade
ON ((territorio_identidade.codigo = ti_x_classe_distrito_industrial.codigoti)) LEFT
JOIN classe_distrito_industrial ON ((classe_distrito_industrial.codigo =
ti_x_classe_distrito_industrial.codigoclassedistritoindustrial)));

```

```

--
-- TOC entry 459 (class 1259 OID 240118)
-- Name: v_classe_feijao; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_feijao AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_feijao.codigo AS
codigoclassefeijao, classe_feijao.criterio, replace(('\\n'::text ||
classe_feijao.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_feijao.limitacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_feijao.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes
FROM ((munic_x_classe_feijao LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_feijao.geocodigomunicipio)) LEFT JOIN classe_feijao ON
((classe_feijao.codigo = munic_x_classe_feijao.codigoclassefeijao)));

```

```

--
-- TOC entry 460 (class 1259 OID 240123)
-- Name: v_classe_fruticultura; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_fruticultura AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_fruticultura.codigo AS
codigoclassefruticultura, classe_fruticultura.criterio, replace(('\\n'::text ||
classe_fruticultura.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_fruticultura.limitacoes), '\\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_fruticultura.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((munic_x_classe_fruticultura LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_fruticultura.geocodigomunicipio)) LEFT JOIN
classe_fruticultura ON ((classe_fruticultura.codigo =
munic_x_classe_fruticultura.codigoclassefruticultura)));

```

```

--
-- TOC entry 461 (class 1259 OID 240128)
-- Name: v_classe_heveicultura; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_heveicultura AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_heveicultura.codigo AS
codigoclasseheveicultura, classe_heveicultura.criterio, replace(('\\n'::text ||
classe_heveicultura.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_heveicultura.limitacoes), '\\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_heveicultura.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((munic_x_classe_heveicultura LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_heveicultura.geocodigomunicipio)) LEFT JOIN
classe_heveicultura ON ((classe_heveicultura.codigo =
munic_x_classe_heveicultura.codigoclasseheveicultura)));

```

```

--

```

```
-- TOC entry 316 (class 1259 OID 223534)
-- Name: v_classe_important_bird_area; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_important_bird_area AS
SELECT inema_iba_2009.gid, inema_iba_2009.id, inema_iba_2009.cod_ibge,
inema_iba_2009.municipio, inema_iba_2009.cod_ibas, inema_iba_2009.shape_leng,
inema_iba_2009.shape_area, inema_iba_2009.the_geom, inema_iba_2009.codigoclasse,
classe_important_bird_area.criterio, replace(('\\n'::text ||
classe_important_bird_area.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_important_bird_area.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_important_bird_area.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM (original.inema_iba_2009 LEFT JOIN classe_important_bird_area ON
((classe_important_bird_area.codigo = inema_iba_2009.codigoclasse)));
```

```
--
-- TOC entry 473 (class 1259 OID 240620)
-- Name: v_classe_investim_privados; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_investim_privados AS
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,
classe_investim_privados.codigo AS codigoclasseinvestimprivados,
classe_investim_privados.criterio, replace(('\\n'::text ||
classe_investim_privados.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_investim_privados.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_investim_privados.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_investim_privados LEFT JOIN territorio_identidade ON
((territorio_identidade.codigo = ti_x_classe_investim_privados.codigoti))) LEFT JOIN
classe_investim_privados ON ((classe_investim_privados.codigo =
ti_x_classe_investim_privados.codigoclasseinvestimprivados)));
```

```
--
-- TOC entry 530 (class 1259 OID 241307)
-- Name: v_classe_it_acesso_aeroviario; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_it_acesso_aeroviario AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_it_acesso_aeroviario.codigo
AS codigoclasseitacessoaeroviario, classe_it_acesso_aeroviario.criterio,
replace(('\\n'::text || classe_it_acesso_aeroviario.potencialidade), '\\n'::text, '<br
/><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||
classe_it_acesso_aeroviario.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_it_acesso_aeroviario.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((munic_x_classe_it_acesso_aeroviario LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_it_acesso_aeroviario.geocodigomunicipio))) LEFT JOIN
classe_it_acesso_aeroviario ON ((classe_it_acesso_aeroviario.codigo =
munic_x_classe_it_acesso_aeroviario.codigoclasseitacessoaeroviario)));
```

```
--
-- TOC entry 533 (class 1259 OID 241322)
-- Name: v_classe_it_acesso_ferroviano; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_it_acesso_ferroviano AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_it_acesso_ferroviano.codigo
AS codigoclasseitacessoferroviano, classe_it_acesso_ferroviano.criterio,
replace(('\\n'::text || classe_it_acesso_ferroviano.potencialidade), '\\n'::text, '<br
/><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||
classe_it_acesso_ferroviano.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_it_acesso_ferroviano.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
```



```
((munic_x_classe_it_acesso_ferrovuario LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_it_acesso_ferrovuario.geocodigomunicipio))) LEFT JOIN
classe_it_acesso_ferrovuario ON ((classe_it_acesso_ferrovuario.codigo =
munic_x_classe_it_acesso_ferrovuario.codigoclasseitacessoferrovuario)));
```

```
--
-- TOC entry 531 (class 1259 OID 241312)
-- Name: v_classe_it_acesso_hidrovuario; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_it_acesso_hidrovuario AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_it_acesso_hidrovuario.codigo AS
codigoclasseitacessohidrovuario, classe_it_acesso_hidrovuario.criterio,
replace(('\\n'::text || classe_it_acesso_hidrovuario.potencialidade), '\\n'::text, '<br
/><b>o</b>'::text) AS potencialidade, replace(('\\n'::text ||
classe_it_acesso_hidrovuario.limitacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
limitacoes, replace(('\\n'::text || classe_it_acesso_hidrovuario.recomendacoes),
'\\n'::text, '<br
/><b>o</b>'::text) AS recomendacoes FROM
((munic_x_classe_it_acesso_hidrovuario LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_it_acesso_hidrovuario.geocodigomunicipio))) LEFT JOIN
classe_it_acesso_hidrovuario ON ((classe_it_acesso_hidrovuario.codigo =
munic_x_classe_it_acesso_hidrovuario.codigoclasseitacessohidrovuario)));
```

```
--
-- TOC entry 532 (class 1259 OID 241317)
-- Name: v_classe_it_acesso_rodovuario; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_it_acesso_rodovuario AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_it_acesso_rodovuario.codigo AS
codigoclasseitacessorodovuario, classe_it_acesso_rodovuario.criterio,
replace(('\\n'::text || classe_it_acesso_rodovuario.potencialidade), '\\n'::text, '<br
/><b>o</b>'::text) AS potencialidade, replace(('\\n'::text ||
classe_it_acesso_rodovuario.limitacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
limitacoes, replace(('\\n'::text || classe_it_acesso_rodovuario.recomendacoes),
'\\n'::text, '<br
/><b>o</b>'::text) AS recomendacoes FROM
((munic_x_classe_it_acesso_rodovuario LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_it_acesso_rodovuario.geocodigomunicipio))) LEFT JOIN
classe_it_acesso_rodovuario ON ((classe_it_acesso_rodovuario.codigo =
munic_x_classe_it_acesso_rodovuario.codigoclasseitacessorodovuario)));
```

```
--
-- TOC entry 534 (class 1259 OID 241327)
-- Name: v_classe_it_comunicacao; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_it_comunicacao AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_it_comunicacao.codigo AS
codigoclasseitcomunicacao, classe_it_comunicacao.criterio, replace(('\\n'::text ||
classe_it_comunicacao.potencialidade), '\\n'::text, '<br
/><b>o</b>'::text) AS
potencialidade, replace(('\\n'::text || classe_it_comunicacao.limitacoes), '\\n'::text,
'<br
/><b>o</b>'::text) AS limitacoes, replace(('\\n'::text ||
classe_it_comunicacao.recomendacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
recomendacoes FROM ((munic_x_classe_it_comunicacao LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_it_comunicacao.geocodigomunicipio))) LEFT JOIN
classe_it_comunicacao ON ((classe_it_comunicacao.codigo =
munic_x_classe_it_comunicacao.codigoclasseitcomunicacao)));
```

```
--
-- TOC entry 535 (class 1259 OID 241332)
-- Name: v_classe_it_infraestr_basica; Type: VIEW; Schema: public; Owner: -
--
```

```

CREATE VIEW v_classe_it_infraestr_basica AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_it_infraestr_basica.codigo
AS codigoclasseitinfraestrbasica, classe_it_infraestr_basica.criterio,
replace(('\\n'::text || classe_it_infraestr_basica.potencialidade), '\\n'::text, '<br
/><b>o</b>'::text) AS potencialidade, replace(('\\n'::text ||
classe_it_infraestr_basica.limitacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
limitacoes, replace(('\\n'::text || classe_it_infraestr_basica.recomendacoes),
'\\n'::text, '<br
/><b>o</b>'::text) AS recomendacoes FROM
((munic_x_classe_it_infraestr_basica LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_it_infraestr_basica.geocodigomunicipio))) LEFT JOIN
classe_it_infraestr_basica ON ((classe_it_infraestr_basica.codigo =
munic_x_classe_it_infraestr_basica.codigoclasseitinfraestrbasica)));

```

```

--
-- TOC entry 536 (class 1259 OID 241337)
-- Name: v_classe_it_infraestr_hoteleira; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_it_infraestr_hoteleira AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom,
classe_it_infraestr_hoteleira.codigo AS codigoclasseitinfraestrhoteleira,
classe_it_infraestr_hoteleira.criterio, replace(('\\n'::text ||
classe_it_infraestr_hoteleira.potencialidade), '\\n'::text, '<br
/><b>o</b>'::text)
AS potencialidade, replace(('\\n'::text || classe_it_infraestr_hoteleira.limitacoes),
'\\n'::text, '<br
/><b>o</b>'::text) AS limitacoes, replace(('\\n'::text ||
classe_it_infraestr_hoteleira.recomendacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
recomendacoes FROM ((munic_x_classe_it_infraestr_hoteleira LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_it_infraestr_hoteleira.geocodigomunicipio)))
LEFT JOIN classe_it_infraestr_hoteleira ON ((classe_it_infraestr_hoteleira.codigo =
munic_x_classe_it_infraestr_hoteleira.codigoclasseitinfraestrhoteleira)));

```

```

--
-- TOC entry 314 (class 1259 OID 223525)
-- Name: v_classe_key_biodiversity_area; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_key_biodiversity_area AS
SELECT conservacaointernacional_kba_2008.gid,
conservacaointernacional_kba_2008.nome_uc, conservacaointernacional_kba_2008.uso,
conservacaointernacional_kba_2008.categoria,
conservacaointernacional_kba_2008.data_criac, conservacaointernacional_kba_2008.obs_,
conservacaointernacional_kba_2008.cod5, conservacaointernacional_kba_2008.kba,
conservacaointernacional_kba_2008.hectares,
conservacaointernacional_kba_2008.shape_leng,
conservacaointernacional_kba_2008.shape_area,
conservacaointernacional_kba_2008.the_geom,
conservacaointernacional_kba_2008.codigoclassee,
classe_key_biodiversity_area.criterio, replace(('\\n'::text ||
classe_key_biodiversity_area.potencialidade), '\\n'::text, '<br
/><b>o</b>'::text) AS
potencialidade, replace(('\\n'::text || classe_key_biodiversity_area.limitacoes),
'\\n'::text, '<br
/><b>o</b>'::text) AS limitacoes, replace(('\\n'::text ||
classe_key_biodiversity_area.recomendacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
recomendacoes FROM (original.conservacaointernacional_kba_2008 LEFT JOIN
classe_key_biodiversity_area ON ((classe_key_biodiversity_area.codigo =
conservacaointernacional_kba_2008.codigoclassee)));

```

```

--
-- TOC entry 462 (class 1259 OID 240133)
-- Name: v_classe_mamao; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_mamao AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_mamao.codigo AS
codigoclassemamao, classe_mamao.criterio, replace(('\\n'::text ||

```



```
classe_mamao.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS potencialidade,
replace('\n':text || classe_mamao.limitacoes), '\n':text, '<br /><b>o</b> '::text)
AS limitacoes, replace('\n':text || classe_mamao.recomendacoes), '\n':text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_mamao LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_mamao.geocodigomunicipio))) LEFT JOIN
classe_mamao ON ((classe_mamao.codigo = munic_x_classe_mamao.codigoclassemamao)));
```

```
--
-- TOC entry 463 (class 1259 OID 240138)
-- Name: v_classe_mamona; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_mamona AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_mamona.codigo AS
codigoclassemamona, classe_mamona.criterio, replace('\n':text ||
classe_mamona.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n':text || classe_mamona.limitacoes), '\n':text, '<br
/><b>o</b> '::text) AS limitacoes, replace('\n':text ||
classe_mamona.recomendacoes), '\n':text, '<br /><b>o</b> '::text) AS recomendacoes
FROM ((munic_x_classe_mamona LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_mamona.geocodigomunicipio))) LEFT JOIN classe_mamona ON
((classe_mamona.codigo = munic_x_classe_mamona.codigoclassemamona)));
```

```
--
-- TOC entry 464 (class 1259 OID 240143)
-- Name: v_classe_mandioca; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_mandioca AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_mandioca.codigo AS
codigoclassemandioca, classe_mandioca.criterio, replace('\n':text ||
classe_mandioca.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n':text || classe_mandioca.limitacoes), '\n':text, '<br
/><b>o</b> '::text) AS limitacoes, replace('\n':text ||
classe_mandioca.recomendacoes), '\n':text, '<br /><b>o</b> '::text) AS recomendacoes
FROM ((munic_x_classe_mandioca LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_mandioca.geocodigomunicipio))) LEFT JOIN classe_mandioca ON
((classe_mandioca.codigo = munic_x_classe_mandioca.codigoclassemandioca)));
```

```
--
-- TOC entry 465 (class 1259 OID 240148)
-- Name: v_classe_maracuja; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_maracuja AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_maracuja.codigo AS
codigoclassemaracuja, classe_maracuja.criterio, replace('\n':text ||
classe_maracuja.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n':text || classe_maracuja.limitacoes), '\n':text, '<br
/><b>o</b> '::text) AS limitacoes, replace('\n':text ||
classe_maracuja.recomendacoes), '\n':text, '<br /><b>o</b> '::text) AS recomendacoes
FROM ((munic_x_classe_maracuja LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_maracuja.geocodigomunicipio))) LEFT JOIN classe_maracuja ON
((classe_maracuja.codigo = munic_x_classe_maracuja.codigoclassemaracuja)));
```

```
--
-- TOC entry 466 (class 1259 OID 240153)
-- Name: v_classe_milho; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_milho AS
```

```
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_milho.codigo AS
codigoclassemilho, classe_milho.criterio, replace('\n'::text ||
classe_milho.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS potencialidade,
replace('\n'::text || classe_milho.limitacoes), '\n'::text, '<br /><b>o</b> '::text)
AS limitacoes, replace('\n'::text || classe_milho.recomendacoes), '\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_milho LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_milho.geocodigomunicipio))) LEFT JOIN
classe_milho ON ((classe_milho.codigo = munic_x_classe_milho.codigoclassemilho)));
```

```
--
```

```
-- TOC entry 367 (class 1259 OID 236500)
```

```
-- Name: v_classe_num_pescadores; Type: VIEW; Schema: public; Owner: -
```

```
--
```

```
CREATE VIEW v_classe_num_pescadores AS
```

```
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_num_pescadores.codigo AS
codigoclasenumeropescadores, classe_num_pescadores.criterio,
classe_num_pescadores.potencialidade, replace('\n'::text ||
classe_num_pescadores.limitacoes), '\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace('\n'::text || classe_num_pescadores.recomendacoes), '\n'::text,
'<br /><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_num_pescadores LEFT
JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_num_pescadores.geocodigomunicipio))) LEFT JOIN classe_num_pescadores
ON ((classe_num_pescadores.codigo =
munic_x_classe_num_pescadores.codigoclasenumeropescadores)));
```

```
--
```

```
-- TOC entry 472 (class 1259 OID 240615)
```

```
-- Name: v_classe_partic_colegiados; Type: VIEW; Schema: public; Owner: -
```

```
--
```

```
CREATE VIEW v_classe_partic_colegiados AS
```

```
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,
classe_partic_colegiados.codigo AS codigoclasseparticcolegiados,
classe_partic_colegiados.criterio, replace('\n'::text ||
classe_partic_colegiados.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_partic_colegiados.limitacoes),
'\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_partic_colegiados.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_partic_colegiados LEFT JOIN territorio_identidade ON
((territorio_identidade.codigo = ti_x_classe_partic_colegiados.codigoti))) LEFT JOIN
classe_partic_colegiados ON ((classe_partic_colegiados.codigo =
ti_x_classe_partic_colegiados.codigoclasseparticcolegiados)));
```

```
--
```

```
-- TOC entry 261 (class 1259 OID 184343)
```

```
-- Name: v_classe_patrim_arqueol; Type: VIEW; Schema: public; Owner: -
```

```
--
```

```
CREATE VIEW v_classe_patrim_arqueol AS
```

```
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_patrim_arqueol.codigo AS
codigoclassepatrimarqueol, classe_patrim_arqueol.criterio, replace('\n'::text ||
classe_patrim_arqueol.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_patrim_arqueol.limitacoes), '\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_patrim_arqueol.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((munic_x_classe_patrim_arqueol LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_patrim_arqueol.geocodigomunicipio))) LEFT JOIN
classe_patrim_arqueol ON ((classe_patrim_arqueol.codigo =
munic_x_classe_patrim_arqueol.codigoclassepatrimarqueol)));
```

```
--
```

```
-- TOC entry 259 (class 1259 OID 184333)
```

```

-- Name: v_classe_patrim_imaterial; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_patrim_imaterial AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_patrim_imaterial.codigo AS
codigoclassepatriimaterial, classe_patrim_imaterial.criterio, replace('\n':text ||
classe_patrim_imaterial.potencialidade), '\n':text, '<br /><b>o</b> ':text) AS
potencialidade, replace('\n':text || classe_patrim_imaterial.limitacoes),
'\n':text, '<br /><b>o</b> ':text) AS limitacoes, replace('\n':text ||
classe_patrim_imaterial.recomendacoes), '\n':text, '<br /><b>o</b> ':text) AS
recomendacoes FROM ((munic_x_classe_patrim_imaterial LEFT JOIN municipio ON
(municipio.geocodigo = munic_x_classe_patrim_imaterial.geocodigomunicipio)) LEFT
JOIN classe_patrim_imaterial ON ((classe_patrim_imaterial.codigo =
munic_x_classe_patrim_imaterial.codigoclassepatriimaterial)));

--
-- TOC entry 260 (class 1259 OID 184338)
-- Name: v_classe_patrim_material; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_patrim_material AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_patrim_material.codigo AS
codigoclassepatriimaterial, classe_patrim_material.criterio, replace('\n':text ||
classe_patrim_material.potencialidade), '\n':text, '<br /><b>o</b> ':text) AS
potencialidade, replace('\n':text || classe_patrim_material.limitacoes),
'\n':text, '<br /><b>o</b> ':text) AS limitacoes, replace('\n':text ||
classe_patrim_material.recomendacoes), '\n':text, '<br /><b>o</b> ':text) AS
recomendacoes FROM ((munic_x_classe_patrim_material LEFT JOIN municipio ON
(municipio.geocodigo = munic_x_classe_patrim_material.geocodigomunicipio)) LEFT
JOIN classe_patrim_material ON ((classe_patrim_material.codigo =
munic_x_classe_patrim_material.codigoclassepatriimaterial)));

--
-- TOC entry 524 (class 1259 OID 241277)
-- Name: v_classe_phm_monum_historico; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_phm_monum_historico AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_phm_monum_historico.codigo
AS codigoclassepshmmonumhistorico, classe_phm_monum_historico.criterio,
replace('\n':text || classe_phm_monum_historico.potencialidade), '\n':text, '<br
/><b>o</b> ':text) AS potencialidade, replace('\n':text ||
classe_phm_monum_historico.limitacoes), '\n':text, '<br /><b>o</b> ':text) AS
limitacoes, replace('\n':text || classe_phm_monum_historico.recomendacoes),
'\n':text, '<br /><b>o</b> ':text) AS recomendacoes FROM
((munic_x_classe_phm_monum_historico LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_phm_monum_historico.geocodigomunicipio)) LEFT JOIN
classe_phm_monum_historico ON ((classe_phm_monum_historico.codigo =
munic_x_classe_phm_monum_historico.codigoclassepshmmonumhistorico)));

--
-- TOC entry 523 (class 1259 OID 241272)
-- Name: v_classe_phm_nucleo_historico; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_phm_nucleo_historico AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_phm_nucleo_historico.codigo
AS codigoclassepshmnucleohistorico, classe_phm_nucleo_historico.criterio,
replace('\n':text || classe_phm_nucleo_historico.potencialidade), '\n':text, '<br
/><b>o</b> ':text) AS potencialidade, replace('\n':text ||
classe_phm_nucleo_historico.limitacoes), '\n':text, '<br /><b>o</b> ':text) AS
limitacoes, replace('\n':text || classe_phm_nucleo_historico.recomendacoes),

```

```
'\n'::text, '<br /><b></b> '::text) AS recomendacoes FROM
((munic_x_classe_phm_nucleo_historico LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_phm_nucleo_historico.geocodigomunicipio))) LEFT JOIN
classe_phm_nucleo_historico ON ((classe_phm_nucleo_historico.codigo =
munic_x_classe_phm_nucleo_historico.codigoclassephmnucleohistorico)));
```

```
--
-- TOC entry 527 (class 1259 OID 241292)
-- Name: v_classe_pi_comunid_autentica; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_pi_comunid_autentica AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_pi_comunid_autentica.codigo
AS codigoclassepicomunidautentica, classe_pi_comunid_autentica.criterio,
replace('\n'::text || classe_pi_comunid_autentica.potencialidade), '\n'::text, '<br
/><b></b> '::text) AS potencialidade, replace('\n'::text ||
classe_pi_comunid_autentica.limitacoes), '\n'::text, '<br /><b></b> '::text) AS
limitacoes, replace('\n'::text || classe_pi_comunid_autentica.recomendacoes),
'\n'::text, '<br /><b></b> '::text) AS recomendacoes FROM
((munic_x_classe_pi_comunid_autentica LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_pi_comunid_autentica.geocodigomunicipio))) LEFT JOIN
classe_pi_comunid_autentica ON ((classe_pi_comunid_autentica.codigo =
munic_x_classe_pi_comunid_autentica.codigoclassepicomunidautentica)));
```

```
--
-- TOC entry 528 (class 1259 OID 241297)
-- Name: v_classe_pi_comunid_etnica; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_pi_comunid_etnica AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_pi_comunid_etnica.codigo AS
codigoclassepicomunidetnica, classe_pi_comunid_etnica.criterio, replace('\n'::text
|| classe_pi_comunid_etnica.potencialidade), '\n'::text, '<br /><b></b> '::text) AS
potencialidade, replace('\n'::text || classe_pi_comunid_etnica.limitacoes),
'\n'::text, '<br /><b></b> '::text) AS limitacoes, replace('\n'::text ||
classe_pi_comunid_etnica.recomendacoes), '\n'::text, '<br /><b></b> '::text) AS
recomendacoes FROM ((munic_x_classe_pi_comunid_etnica LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_pi_comunid_etnica.geocodigomunicipio))) LEFT
JOIN classe_pi_comunid_etnica ON ((classe_pi_comunid_etnica.codigo =
munic_x_classe_pi_comunid_etnica.codigoclassepicomunidetnica)));
```

```
--
-- TOC entry 529 (class 1259 OID 241302)
-- Name: v_classe_pi_manifest_artistica; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_pi_manifest_artistica AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_pi_manifest_artistica.codigo
AS codigoclassepimanifestartistica, classe_pi_manifest_artistica.criterio,
replace('\n'::text || classe_pi_manifest_artistica.potencialidade), '\n'::text, '<br
/><b></b> '::text) AS potencialidade, replace('\n'::text ||
classe_pi_manifest_artistica.limitacoes), '\n'::text, '<br /><b></b> '::text) AS
limitacoes, replace('\n'::text || classe_pi_manifest_artistica.recomendacoes),
'\n'::text, '<br /><b></b> '::text) AS recomendacoes FROM
((munic_x_classe_pi_manifest_artistica LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_classe_pi_manifest_artistica.geocodigomunicipio))) LEFT JOIN
classe_pi_manifest_artistica ON ((classe_pi_manifest_artistica.codigo =
munic_x_classe_pi_manifest_artistica.codigoclassepimanifestartistica)));
```

```
--
-- TOC entry 543 (class 1259 OID 241456)
-- Name: v_classe_pl_vulnerab_social; Type: VIEW; Schema: public; Owner: -
--
```

```

CREATE VIEW v_classe_pl_vulnerab_social AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_pl_vulnerab_social.codigo AS
codigoclassepvlvulnerabsocial, classe_pl_vulnerab_social.criterio, replace(('\'n\'::text
|| classe_pl_vulnerab_social.potencialidade), \'n\'::text, '<br /><b>o</b> \'::text) AS
potencialidade, replace(('\'n\'::text || classe_pl_vulnerab_social.limitacoes),
\'n\'::text, '<br /><b>o</b> \'::text) AS limitacoes, replace(('\'n\'::text ||
classe_pl_vulnerab_social.recomendacoes), \'n\'::text, '<br /><b>o</b> \'::text) AS
recomendacoes FROM ((munic_x_classe_pl_vulnerab_social LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_pl_vulnerab_social.geocodigomunicipio))) LEFT
JOIN classe_pl_vulnerab_social ON ((classe_pl_vulnerab_social.codigo =
munic_x_classe_pl_vulnerab_social.codigoclassepvlvulnerabsocial)));

```

```

--
-- TOC entry 518 (class 1259 OID 241247)
-- Name: v_classe_pn_conj_geogr; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_pn_conj_geogr AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_pn_conj_geogr.codigo AS
codigoclassepncnjgeogr, classe_pn_conj_geogr.criterio, replace(('\'n\'::text ||
classe_pn_conj_geogr.potencialidade), \'n\'::text, '<br /><b>o</b> \'::text) AS
potencialidade, replace(('\'n\'::text || classe_pn_conj_geogr.limitacoes), \'n\'::text,
\'<br /><b>o</b> \'::text) AS limitacoes, replace(('\'n\'::text ||
classe_pn_conj_geogr.recomendacoes), \'n\'::text, '<br /><b>o</b> \'::text) AS
recomendacoes FROM ((munic_x_classe_pn_conj_geogr LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_pn_conj_geogr.geocodigomunicipio))) LEFT JOIN
classe_pn_conj_geogr ON ((classe_pn_conj_geogr.codigo =
munic_x_classe_pn_conj_geogr.codigoclassepncnjgeogr)));

```

```

--
-- TOC entry 519 (class 1259 OID 241252)
-- Name: v_classe_pn_conj_nat_integ; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_pn_conj_nat_integ AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_pn_conj_nat_integ.codigo AS
codigoclassepncnjnatinteg, classe_pn_conj_nat_integ.criterio, replace(('\'n\'::text ||
classe_pn_conj_nat_integ.potencialidade), \'n\'::text, '<br /><b>o</b> \'::text) AS
potencialidade, replace(('\'n\'::text || classe_pn_conj_nat_integ.limitacoes),
\'n\'::text, '<br /><b>o</b> \'::text) AS limitacoes, replace(('\'n\'::text ||
classe_pn_conj_nat_integ.recomendacoes), \'n\'::text, '<br /><b>o</b> \'::text) AS
recomendacoes FROM ((munic_x_classe_pn_conj_nat_integ LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_pn_conj_nat_integ.geocodigomunicipio))) LEFT
JOIN classe_pn_conj_nat_integ ON ((classe_pn_conj_nat_integ.codigo =
munic_x_classe_pn_conj_nat_integ.codigoclassepncnjnatinteg)));

```

```

--
-- TOC entry 520 (class 1259 OID 241257)
-- Name: v_classe_pn_ecossistema; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_pn_ecossistema AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_pn_ecossistema.codigo AS
codigoclassepneccossistema, classe_pn_ecossistema.criterio, replace(('\'n\'::text ||
classe_pn_ecossistema.potencialidade), \'n\'::text, '<br /><b>o</b> \'::text) AS
potencialidade, replace(('\'n\'::text || classe_pn_ecossistema.limitacoes), \'n\'::text,
\'<br /><b>o</b> \'::text) AS limitacoes, replace(('\'n\'::text ||
classe_pn_ecossistema.recomendacoes), \'n\'::text, '<br /><b>o</b> \'::text) AS
recomendacoes FROM ((munic_x_classe_pn_ecossistema LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_pn_ecossistema.geocodigomunicipio))) LEFT JOIN
classe_pn_ecossistema ON ((classe_pn_ecossistema.codigo =
munic_x_classe_pn_ecossistema.codigoclassepneccossistema)));

```

```
--  
-- TOC entry 521 (class 1259 OID 241262)  
-- Name: v_classe_pn_paisagem_costeira; Type: VIEW; Schema: public; Owner: -  
--
```

```
CREATE VIEW v_classe_pn_paisagem_costeira AS  
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS  
nomemunicipio, municipio.gid, municipio.the_geom, classe_pn_paisagem_costeira.codigo  
AS codigoclassepnpaisagemcosteira, classe_pn_paisagem_costeira.criterio,  
replace(('\\n'::text || classe_pn_paisagem_costeira.potencialidade), '\\n'::text, '<br  
><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||  
classe_pn_paisagem_costeira.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS  
limitacoes, replace(('\\n'::text || classe_pn_paisagem_costeira.recomendacoes),  
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM  
(munic_x_classe_pn_paisagem_costeira LEFT JOIN municipio ON ((municipio.geocodigo =  
munic_x_classe_pn_paisagem_costeira.geocodigomunicipio))) LEFT JOIN  
classe_pn_paisagem_costeira ON ((classe_pn_paisagem_costeira.codigo =  
munic_x_classe_pn_paisagem_costeira.codigoclassepnpaisagemcosteira));
```

```
--  
-- TOC entry 522 (class 1259 OID 241267)  
-- Name: v_classe_pn_sistema_hidrografico; Type: VIEW; Schema: public; Owner: -  
--
```

```
CREATE VIEW v_classe_pn_sistema_hidrografico AS  
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS  
nomemunicipio, municipio.gid, municipio.the_geom,  
classe_pn_sistema_hidrografico.codigo AS codigoclassepnsistemahidrografico,  
classe_pn_sistema_hidrografico.criterio, replace(('\\n'::text ||  
classe_pn_sistema_hidrografico.potencialidade), '\\n'::text, '<br /><b>o</b> '::text)  
AS potencialidade, replace(('\\n'::text || classe_pn_sistema_hidrografico.limitacoes),  
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||  
classe_pn_sistema_hidrografico.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text)  
AS recomendacoes FROM ((munic_x_classe_pn_sistema_hidrografico LEFT JOIN municipio ON  
(municipio.geocodigo = munic_x_classe_pn_sistema_hidrografico.geocodigomunicipio))  
LEFT JOIN classe_pn_sistema_hidrografico ON ((classe_pn_sistema_hidrografico.codigo =  
munic_x_classe_pn_sistema_hidrografico.codigoclassepnsistemahidrografico)));
```

```
--  
-- TOC entry 525 (class 1259 OID 241282)  
-- Name: v_classe_pne_patrim_espeleologico; Type: VIEW; Schema: public; Owner: -  
--
```

```
CREATE VIEW v_classe_pne_patrim_espeleologico AS  
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS  
nomemunicipio, municipio.gid, municipio.the_geom,  
classe_pne_patrim_espeleologico.codigo AS codigoclassepnepatrimessespeleologico,  
classe_pne_patrim_espeleologico.criterio, replace(('\\n'::text ||  
classe_pne_patrim_espeleologico.potencialidade), '\\n'::text, '<br /><b>o</b> '::text)  
AS potencialidade, replace(('\\n'::text ||  
classe_pne_patrim_espeleologico.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS  
limitacoes, replace(('\\n'::text || classe_pne_patrim_espeleologico.recomendacoes),  
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM  
(munic_x_classe_pne_patrim_espeleologico LEFT JOIN municipio ON  
(municipio.geocodigo = munic_x_classe_pne_patrim_espeleologico.geocodigomunicipio))  
LEFT JOIN classe_pne_patrim_espeleologico ON ((classe_pne_patrim_espeleologico.codigo  
= munic_x_classe_pne_patrim_espeleologico.codigoclassepnepatrimessespeleologico));
```

```
--  
-- TOC entry 526 (class 1259 OID 241287)  
-- Name: v_classe_pne_recurso_hidrotermico; Type: VIEW; Schema: public; Owner: -  
--
```



```

CREATE VIEW v_classe_pne_recurso_hidrotermico AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom,
classe_pne_recurso_hidrotermico.codigo AS codigoclassepnerrecursohidrotermico,
classe_pne_recurso_hidrotermico.criterio, replace('\n'::text ||
classe_pne_recurso_hidrotermico.potencialidade), '\n'::text, '<br /><b>o</b> '::text)
AS potencialidade, replace('\n'::text ||
classe_pne_recurso_hidrotermico.limitacoes), '\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace('\n'::text || classe_pne_recurso_hidrotermico.recomendacoes),
'\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((munic_x_classe_pne_recurso_hidrotermico LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_pne_recurso_hidrotermico.geocodigomunicipio)))
LEFT JOIN classe_pne_recurso_hidrotermico ON ((classe_pne_recurso_hidrotermico.codigo
= munic_x_classe_pne_recurso_hidrotermico.codigoclassepnerrecursohidrotermico)));

```

```

--
-- TOC entry 475 (class 1259 OID 240630)
-- Name: v_classe_politicas_estaduais; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_politicas_estaduais AS
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,
classe_politicas_estaduais.codigo AS codigoclassepolicasestaduais,
classe_politicas_estaduais.criterio, replace('\n'::text ||
classe_politicas_estaduais.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_politicas_estaduais.limitacoes),
'\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_politicas_estaduais.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_politicas_estaduais LEFT JOIN territorio_identidade
ON ((territorio_identidade.codigo = ti_x_classe_politicas_estaduais.codigoti))) LEFT
JOIN classe_politicas_estaduais ON ((classe_politicas_estaduais.codigo =
ti_x_classe_politicas_estaduais.codigoclassepolicasestaduais)));

```

```

--
-- TOC entry 474 (class 1259 OID 240625)
-- Name: v_classe_politicas_federais; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_politicas_federais AS
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,
classe_politicas_federais.codigo AS codigoclassepolicasfederais,
classe_politicas_federais.criterio, replace('\n'::text ||
classe_politicas_federais.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_politicas_federais.limitacoes),
'\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_politicas_federais.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_politicas_federais LEFT JOIN territorio_identidade
ON ((territorio_identidade.codigo = ti_x_classe_politicas_federais.codigoti))) LEFT
JOIN classe_politicas_federais ON ((classe_politicas_federais.codigo =
ti_x_classe_politicas_federais.codigoclassepolicasfederais)));

```

```

--
-- TOC entry 470 (class 1259 OID 240605)
-- Name: v_classe_presenca_instituicoes; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_presenca_instituicoes AS
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,
classe_presenca_instituicoes.codigo AS codigoclassepresencainstituicoes,
classe_presenca_instituicoes.criterio, replace('\n'::text ||
classe_presenca_instituicoes.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_presenca_instituicoes.limitacoes),
'\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||

```

```
classe_presenca_instituicoes.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_presenca_instituicoes LEFT JOIN
territorio_identidade ON ((territorio_identidade.codigo =
ti_x_classe_presenca_instituicoes.codigoti))) LEFT JOIN classe_presenca_instituicoes
ON ((classe_presenca_instituicoes.codigo =
ti_x_classe_presenca_instituicoes.codigoclasepresencainstituicoes))));
```

```
--
-- TOC entry 352 (class 1259 OID 236101)
-- Name: v_classe_qualid_aguas_subterraneas; Type: VIEW; Schema: public;
Owner: -
--
```

```
CREATE VIEW v_classe_qualid_aguas_subterraneas AS
SELECT poligono_rh_subterraneo.gid, poligono_rh_subterraneo.profundmediapoco,
poligono_rh_subterraneo.nivelestaticomediopoco,
poligono_rh_subterraneo.niveldinamicomediopoco,
poligono_rh_subterraneo.vazaomediapoco, poligono_rh_subterraneo.rebaixamento,
poligono_rh_subterraneo.vazaoespecifica, poligono_rh_subterraneo.espessurasaturada,
poligono_rh_subterraneo.volume, poligono_rh_subterraneo.reservapermanente,
poligono_rh_subterraneo.reservareguladora,
poligono_rh_subterraneo.potencialidadeanual, poligono_rh_subterraneo.disponibvirtual,
poligono_rh_subterraneo.disponibefetiva, poligono_rh_subterraneo.disponibatual,
poligono_rh_subterraneo.numeropocos, poligono_rh_subterraneo.aquifero,
poligono_rh_subterraneo.rpgaunidadebalanco, poligono_rh_subterraneo.isoietasanual,
poligono_rh_subterraneo.isoietasmensal, poligono_rh_subterraneo.subdominiohidrogeo,
poligono_rh_subterraneo.dominiohidrogeo, poligono_rh_subterraneo.codigodsmr,
poligono_rh_subterraneo.the_geom, classe_qualid_aguas_subterraneas.codigo AS
codigoclasesequalidaguassubter, classe_qualid_aguas_subterraneas.criterio,
replace('\n'::text || classe_qualid_aguas_subterraneas.potencialidade), '\n'::text,
'<br /><b>o</b> '::text) AS potencialidade, replace('\n'::text ||
classe_qualid_aguas_subterraneas.limitacoes), '\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace('\n'::text || classe_qualid_aguas_subterraneas.recomendacoes),
'\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
(dsmr_x_classe_qualid_aguas_subter LEFT JOIN poligono_rh_subterraneo ON
((poligono_rh_subterraneo.codigodsmr =
dsmr_x_classe_qualid_aguas_subter.codigodsmr))) LEFT JOIN
classe_qualid_aguas_subterraneas ON ((classe_qualid_aguas_subterraneas.codigo =
dsmr_x_classe_qualid_aguas_subter.codigoclasesequalidaguassubter))));
```

```
--
-- TOC entry 467 (class 1259 OID 240158)
-- Name: v_classe_silvicultura; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_silvicultura AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_silvicultura.codigo AS
codigoclassesilvicultura, classe_silvicultura.criterio, replace('\n'::text ||
classe_silvicultura.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_silvicultura.limitacoes), '\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_silvicultura.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((munic_x_classe_silvicultura LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_silvicultura.geocodigomunicipio))) LEFT JOIN
classe_silvicultura ON ((classe_silvicultura.codigo =
munic_x_classe_silvicultura.codigoclassesilvicultura))));
```

```
--
-- TOC entry 468 (class 1259 OID 240163)
-- Name: v_classe_sisal; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_sisal AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_sisal.codigo AS
codigoclassesisal, classe_sisal.criterio, replace('\n'::text ||
classe_sisal.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS potencialidade,
```



```
replace(('\n':text || classe_sisal.limitacoes), '\n':text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\n':text || classe_sisal.recomendacoes), '\n':text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_sisal LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_sisal.geocodigomunicipio))) LEFT JOIN
classe_sisal ON ((classe_sisal.codigo = munic_x_classe_sisal.codigoclassesisal)));
```

```
--
-- TOC entry 471 (class 1259 OID 240610)
-- Name: v_classe_sist_gestao_ambient; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_sist_gestao_ambient AS
SELECT territorio_identidade.codigo AS codigoti, territorio_identidade.nome AS
nometi, territorio_identidade.gid, territorio_identidade.the_geom,
classe_sist_gestao_ambient.codigo AS codigoclassesistgestaoambient,
classe_sist_gestao_ambient.criterio, replace(('\n':text ||
classe_sist_gestao_ambient.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\n':text || classe_sist_gestao_ambient.limitacoes),
'\n':text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\n':text ||
classe_sist_gestao_ambient.recomendacoes), '\n':text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((ti_x_classe_sist_gestao_ambient LEFT JOIN territorio_identidade
ON ((territorio_identidade.codigo = ti_x_classe_sist_gestao_ambient.codigoti))) LEFT
JOIN classe_sist_gestao_ambient ON ((classe_sist_gestao_ambient.codigo =
ti_x_classe_sist_gestao_ambient.codigoclassesistgestaoambient)));
```

```
--
-- TOC entry 544 (class 1259 OID 241461)
-- Name: v_classe_sistemas_sociais; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_sistemas_sociais AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_sistemas_sociais.codigo AS
codigoclassesistemassociais, classe_sistemas_sociais.criterio, replace(('\n':text ||
classe_sistemas_sociais.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\n':text || classe_sistemas_sociais.limitacoes),
'\n':text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\n':text ||
classe_sistemas_sociais.recomendacoes), '\n':text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((munic_x_classe_sistemas_sociais LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_sistemas_sociais.geocodigomunicipio))) LEFT
JOIN classe_sistemas_sociais ON ((classe_sistemas_sociais.codigo =
munic_x_classe_sistemas_sociais.codigoclassesistemassociais)));
```

```
--
-- TOC entry 469 (class 1259 OID 240168)
-- Name: v_classe_soja; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_soja AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_soja.codigo AS
codigoclassesoja, classe_soja.criterio, replace(('\n':text ||
classe_soja.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS potencialidade,
replace(('\n':text || classe_soja.limitacoes), '\n':text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\n':text || classe_soja.recomendacoes), '\n':text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_soja LEFT JOIN municipio
ON ((municipio.geocodigo = munic_x_classe_soja.geocodigomunicipio))) LEFT JOIN
classe_soja ON ((classe_soja.codigo = munic_x_classe_soja.codigoclassesoja)));
```

```
--
-- TOC entry 537 (class 1259 OID 241342)
-- Name: v_classe_sustentab_socioecon_local; Type: VIEW; Schema: public;
Owner: -
--
```

```

CREATE VIEW v_classe_sustentab_socioecon_local AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom,
classe_sustentab_socioecon_local.codigo AS codigoclassesustentabsocioeconlocal,
classe_sustentab_socioecon_local.criterio, replace(('\\n'::text ||
classe_sustentab_socioecon_local.potencialidade), '\\n'::text, '<br /><b>o</b>
'::text) AS potencialidade, replace(('\\n'::text ||
classe_sustentab_socioecon_local.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_sustentab_socioecon_local.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((munic_x_classe_sustentab_socioecon_local LEFT JOIN municipio ON
(municipio.geocodigo =
munic_x_classe_sustentab_socioecon_local.geocodigomunicipio)) LEFT JOIN
classe_sustentab_socioecon_local ON ((classe_sustentab_socioecon_local.codigo =
munic_x_classe_sustentab_socioecon_local.codigoclassesustentabsocioeconlocal)));

```

```

--
-- TOC entry 538 (class 1259 OID 241347)
-- Name: v_classe_sustentab_socioecon_regional; Type: VIEW; Schema: public;
Owner: -
--

```

```

CREATE VIEW v_classe_sustentab_socioecon_regional AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom,
classe_sustentab_socioecon_regional.codigo AS codigoclassesustentabsocioeconregional,
classe_sustentab_socioecon_regional.criterio, replace(('\\n'::text ||
classe_sustentab_socioecon_regional.potencialidade), '\\n'::text, '<br /><b>o</b>
'::text) AS potencialidade, replace(('\\n'::text ||
classe_sustentab_socioecon_regional.limitacoes), '\\n'::text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\\n'::text ||
classe_sustentab_socioecon_regional.recomendacoes), '\\n'::text, '<br /><b>o</b>
'::text) AS recomendacoes FROM ((munic_x_classe_sustentab_socioecon_regional LEFT
JOIN municipio ON (municipio.geocodigo =
munic_x_classe_sustentab_socioecon_regional.geocodigomunicipio)) LEFT JOIN
classe_sustentab_socioecon_regional ON ((classe_sustentab_socioecon_regional.codigo =
munic_x_classe_sustentab_socioecon_regional.codigoclassesustentabsocioeconregional)))
;

```

```

--
-- TOC entry 614 (class 1259 OID 277830)
-- Name: v_classe_terra_ativ_agricola; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_terra_ativ_agricola AS
SELECT
aptidao_agricola_x_classe_terra_ativ_agricola.identificadoraptidaoagricola,
aptidao_agricola.siglaclasseaptidaoagricola, aptidao_agricola.tiporelevo,
aptidao_agricola.classesolo, aptidao_agricola.siglaclasseesolo2,
aptidao_agricola.classesoloperh, aptidao_agricola.siglaclasseesoloradam,
aptidao_agricola.regimehidricoarea, aptidao_agricola.gid, aptidao_agricola.the_geom,
classe_terra_ativ_agricola.codigo AS codigoclasseterraativagricola,
classe_terra_ativ_agricola.criterio, replace(('\\n'::text ||
classe_terra_ativ_agricola.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_terra_ativ_agricola.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_terra_ativ_agricola.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((aptidao_agricola_x_classe_terra_ativ_agricola LEFT JOIN
aptidao_agricola ON ((aptidao_agricola.identificador =
aptidao_agricola_x_classe_terra_ativ_agricola.identificadoraptidaoagricola)) LEFT
JOIN classe_terra_ativ_agricola ON ((classe_terra_ativ_agricola.codigo =
aptidao_agricola_x_classe_terra_ativ_agricola.codigoclasseterraativagricola)));

```

```

--
-- TOC entry 324 (class 1259 OID 223571)
-- Name: v_classe_terra_indigena; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_terra_indigena AS
SELECT funai_terra_indigena_2010.gid, funai_terra_indigena_2010.sigla,
funai_terra_indigena_2010.obs, funai_terra_indigena_2010.rev,
funai_terra_indigena_2010.em_revisao, funai_terra_indigena_2010.cod_area_r,
funai_terra_indigena_2010.adr_antiga, funai_terra_indigena_2010.populacao,
funai_terra_indigena_2010.grupos, funai_terra_indigena_2010.municipios,
funai_terra_indigena_2010.etapa, funai_terra_indigena_2010.situacao,
funai_terra_indigena_2010.titulo, funai_terra_indigena_2010.documento,
funai_terra_indigena_2010.perimetro, funai_terra_indigena_2010.area_ha,
funai_terra_indigena_2010.data_doc, funai_terra_indigena_2010.extenso,
funai_terra_indigena_2010.tipo, funai_terra_indigena_2010.c_doc,
funai_terra_indigena_2010.cod_ti, funai_terra_indigena_2010.nome_area,
funai_terra_indigena_2010.nome_ti, funai_terra_indigena_2010.cod_area,
funai_terra_indigena_2010.coor_reg, funai_terra_indigena_2010.shape_leng,
funai_terra_indigena_2010.shape_area, funai_terra_indigena_2010.the_geom,
funai_terra_indigena_2010.codigoclasse, classe_terra_indigena.criterio,
replace(('\\n'::text || classe_terra_indigena.potencialidade), '\\n'::text, '<br
/><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||
classe_terra_indigena.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_terra_indigena.recomendacoes), '\\n'::text,
'<br /><b>o</b> '::text) AS recomendacoes FROM (original.funai_terra_indigena_2010
LEFT JOIN classe_terra_indigena ON ((classe_terra_indigena.codigo =
funai_terra_indigena_2010.codigoclasse)));

```

```

--
-- TOC entry 617 (class 1259 OID 277845)
-- Name: v_classe_terra_nao_indicada; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_terra_nao_indicada AS
SELECT
aptidao_agricola_x_classe_terra_nao_indicada.identificadoraptidaoagricola,
aptidao_agricola.siglaclasseaptidaoagricola, aptidao_agricola.tiporelevo,
aptidao_agricola.classesolo, aptidao_agricola.siglaclassesolo2,
aptidao_agricola.classesoloperh, aptidao_agricola.siglaclassesoloradam,
aptidao_agricola.regimehidricoarea, aptidao_agricola.gid, aptidao_agricola.the_geom,
classe_terra_nao_indicada.codigo AS codigoclasseterranaoindicada,
classe_terra_nao_indicada.criterio, replace(('\\n'::text ||
classe_terra_nao_indicada.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_terra_nao_indicada.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_terra_nao_indicada.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((aptidao_agricola_x_classe_terra_nao_indicada LEFT JOIN
aptidao_agricola ON ((aptidao_agricola.identificador =
aptidao_agricola_x_classe_terra_nao_indicada.identificadoraptidaoagricola))) LEFT
JOIN classe_terra_nao_indicada ON ((classe_terra_nao_indicada.codigo =
aptidao_agricola_x_classe_terra_nao_indicada.codigoclasseterranaoindicada)));

```

```

--
-- TOC entry 616 (class 1259 OID 277840)
-- Name: v_classe_terra_pasto_natural; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_terra_pasto_natural AS
SELECT
aptidao_agricola_x_classe_terra_pasto_natural.identificadoraptidaoagricola,
aptidao_agricola.siglaclasseaptidaoagricola, aptidao_agricola.tiporelevo,
aptidao_agricola.classesolo, aptidao_agricola.siglaclassesolo2,
aptidao_agricola.classesoloperh, aptidao_agricola.siglaclassesoloradam,
aptidao_agricola.regimehidricoarea, aptidao_agricola.gid, aptidao_agricola.the_geom,
classe_terra_pasto_natural.codigo AS codigoclasseterrapastonatural,
classe_terra_pasto_natural.criterio, replace(('\\n'::text ||
classe_terra_pasto_natural.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_terra_pasto_natural.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_terra_pasto_natural.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((aptidao_agricola_x_classe_terra_pasto_natural LEFT JOIN

```

```
aptidao_agricola ON ((aptidao_agricola.identificador =
aptidao_agricola_x_classe_terra_pasto_natural.identificadoraptidaoagricola))) LEFT
JOIN classe_terra_pasto_natural ON ((classe_terra_pasto_natural.codigo =
aptidao_agricola_x_classe_terra_pasto_natural.codigoclasseterrapastonatural));
```

```
--
-- TOC entry 615 (class 1259 OID 277835)
-- Name: v_classe_terra_pasto_plantado; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_terra_pasto_plantado AS
SELECT
aptidao_agricola_x_classe_terra_pasto_plantado.identificadoraptidaoagricola,
aptidao_agricola.siglaclasseaptidaoagricola, aptidao_agricola.tiporelevo,
aptidao_agricola.classesolo, aptidao_agricola.siglaclasseesolo2,
aptidao_agricola.classesoloperh, aptidao_agricola.siglaclasseesoloradam,
aptidao_agricola.regimehidricoarea, aptidao_agricola.gid, aptidao_agricola.the_geom,
classe_terra_pasto_plantado.codigo AS codigoclasseterrapastoplantado,
classe_terra_pasto_plantado.criterio, replace(('\\n'::text ||
classe_terra_pasto_plantado.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_terra_pasto_plantado.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_terra_pasto_plantado.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((aptidao_agricola_x_classe_terra_pasto_plantado LEFT JOIN
aptidao_agricola ON ((aptidao_agricola.identificador =
aptidao_agricola_x_classe_terra_pasto_plantado.identificadoraptidaoagricola))) LEFT
JOIN classe_terra_pasto_plantado ON ((classe_terra_pasto_plantado.codigo =
aptidao_agricola_x_classe_terra_pasto_plantado.codigoclasseterrapastoplantado)));
```

```
--
-- TOC entry 323 (class 1259 OID 223567)
-- Name: v_classe_territorio_quilombola; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_territorio_quilombola AS
SELECT incra_territorio_quilombolas_2010.gid,
incra_territorio_quilombolas_2010.shape_leng,
incra_territorio_quilombolas_2010.shape_area,
incra_territorio_quilombolas_2010.tema_tq,
incra_territorio_quilombolas_2010.the_geom,
incra_territorio_quilombolas_2010.codigoclasse,
classe_territorio_quilombola.criterio, replace(('\\n'::text ||
classe_territorio_quilombola.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_territorio_quilombola.limitacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_territorio_quilombola.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM (original.incra_territorio_quilombolas_2010 LEFT JOIN
classe_territorio_quilombola ON ((classe_territorio_quilombola.codigo =
incra_territorio_quilombolas_2010.codigoclasse)));
```

```
--
-- TOC entry 565 (class 1259 OID 241747)
-- Name: v_classe_tic; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_tic AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, classe_tic.codigo AS
codigoclassetic, classe_tic.criterio, replace(('\\n'::text ||
classe_tic.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS potencialidade,
replace(('\\n'::text || classe_tic.limitacoes), '\\n'::text, '<br /><b>o</b> '::text)
AS limitacoes, replace(('\\n'::text || classe_tic.recomendacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_classe_tic LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_classe_tic.geocodigomunicipio))) LEFT JOIN classe_tic
ON ((classe_tic.codigo = munic_x_classe_tic.codigoclassetic)));
```

```
--
```

```
-- TOC entry 574 (class 1259 OID 241792)
-- Name: v_classe_transp_aeroviario; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_transp_aeroviario AS
SELECT gargalo_x_classe_transp_aeroviario.identificadoreixo,
gargalos_aeroporto.nome AS nomeaeroporto, gargalos_aeroporto.sigla AS siglaaeroporto,
gargalos_aeroporto.codigotipouso, gargalos_aeroporto.codigotipopavimento,
gargalos_aeroporto.descricaotipopavimento, gargalos_aeroporto.numeropistas,
gargalos_aeroporto.extensaomaiorpista, gargalos_aeroporto.larguramaiorpista,
gargalos_aeroporto.gid, gargalos_aeroporto.the_geom, classe_transp_aeroviario.codigo
AS codigoclassetranspaeroviario, classe_transp_aeroviario.criterio,
replace(('\\n'::text || classe_transp_aeroviario.potencialidade), '\\n'::text, '<br
/><b>o</b> '::text) AS potencialidade, replace(('\\n'::text ||
classe_transp_aeroviario.limitacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_transp_aeroviario.recomendacoes),
'\\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM
((gargalo_x_classe_transp_aeroviario LEFT JOIN gargalos_aeroporto ON
(gargalos_aeroporto.identificador =
gargalo_x_classe_transp_aeroviario.identificadoreixo)) LEFT JOIN
classe_transp_aeroviario ON ((classe_transp_aeroviario.codigo =
gargalo_x_classe_transp_aeroviario.codigoclassetranspaeroviario)));
```

```
--
-- TOC entry 327 (class 1259 OID 223585)
-- Name: v_classe_unid_conserv_estadual; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_unid_conserv_estadual AS
SELECT inema_unidade_conservacao_estadual_2011.gid,
inema_unidade_conservacao_estadual_2011.id,
inema_unidade_conservacao_estadual_2011.bioma,
inema_unidade_conservacao_estadual_2011.municipios,
inema_unidade_conservacao_estadual_2011.gestor,
inema_unidade_conservacao_estadual_2011.nome_uc,
inema_unidade_conservacao_estadual_2011.l_vigente,
inema_unidade_conservacao_estadual_2011.p_manejo,
inema_unidade_conservacao_estadual_2011.jurisdicao,
inema_unidade_conservacao_estadual_2011.l_criacao,
inema_unidade_conservacao_estadual_2011.n_decreto,
inema_unidade_conservacao_estadual_2011.r_cepram,
inema_unidade_conservacao_estadual_2011.c_gestor,
inema_unidade_conservacao_estadual_2011.cepram_alt,
inema_unidade_conservacao_estadual_2011.grupo,
inema_unidade_conservacao_estadual_2011.org_gestor,
inema_unidade_conservacao_estadual_2011.categori_1,
inema_unidade_conservacao_estadual_2011.area_ha,
inema_unidade_conservacao_estadual_2011.t_inden,
inema_unidade_conservacao_estadual_2011.area_decre,
inema_unidade_conservacao_estadual_2011.ordem_cate,
inema_unidade_conservacao_estadual_2011.sigla_cat,
inema_unidade_conservacao_estadual_2011.shape_leng,
inema_unidade_conservacao_estadual_2011.shape_area,
inema_unidade_conservacao_estadual_2011.the_geom,
inema_unidade_conservacao_estadual_2011.sigla_gr,
classe_unid_conserv_estadual.criterio, replace(('\\n'::text ||
classe_unid_conserv_estadual.potencialidade), '\\n'::text, '<br
/><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_unid_conserv_estadual.limitacoes),
'\\n'::text, '<br
/><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_unid_conserv_estadual.recomendacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS
recomendacoes FROM (original.inema_unidade_conservacao_estadual_2011 LEFT JOIN
classe_unid_conserv_estadual ON ((classe_unid_conserv_estadual.codigo =
inema_unidade_conservacao_estadual_2011.sigla_gr)));
```

```
--
-- TOC entry 326 (class 1259 OID 223580)
-- Name: v_classe_unid_conserv_federal; Type: VIEW; Schema: public; Owner: -
```

```

--

CREATE VIEW v_classe_unid_conserv_federal AS
SELECT inema_unidades_conservacao_federal_2011.gid,
inema_unidades_conservacao_federal_2011.objectid,
inema_unidades_conservacao_federal_2011.nome_uc,
inema_unidades_conservacao_federal_2011.cod_cat,
inema_unidades_conservacao_federal_2011.cod_uso,
inema_unidades_conservacao_federal_2011.ano_cria,
inema_unidades_conservacao_federal_2011.bioma,
inema_unidades_conservacao_federal_2011.sigla_gr,
inema_unidades_conservacao_federal_2011.sigla_cat,
inema_unidades_conservacao_federal_2011.perimeter,
inema_unidades_conservacao_federal_2011.uf,
inema_unidades_conservacao_federal_2011.hectares,
inema_unidades_conservacao_federal_2011.municipios,
inema_unidades_conservacao_federal_2011.coord_reg,
inema_unidades_conservacao_federal_2011.nome_area,
inema_unidades_conservacao_federal_2011.nom_dec,
inema_unidades_conservacao_federal_2011.cod_cnuc,
inema_unidades_conservacao_federal_2011.escala_pol,
inema_unidades_conservacao_federal_2011.datum_orig,
inema_unidades_conservacao_federal_2011.qualid_pol,
inema_unidades_conservacao_federal_2011.situacao,
inema_unidades_conservacao_federal_2011.shape_leng,
inema_unidades_conservacao_federal_2011.shape_area,
inema_unidades_conservacao_federal_2011.the_geom,
classe_unid_conserv_federal.criterio, replace('\n'::text ||
classe_unid_conserv_federal.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_unid_conserv_federal.limitacoes),
'\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_unid_conserv_federal.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM (original.inema_unidades_conservacao_federal_2011 LEFT JOIN
classe_unid_conserv_federal ON ((classe_unid_conserv_federal.codigo =
(inema_unidades_conservacao_federal_2011.sigla_gr)::bpchar));

```

```

--
-- TOC entry 318 (class 1259 OID 223544)
-- Name: v_classe_vegetacao_remanesc; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_vegetacao_remanesc AS
SELECT ibama_vegetacao_remanescente_2008_2009.gid,
ibama_vegetacao_remanescente_2008_2009.objectid,
ibama_vegetacao_remanescente_2008_2009.vegetacao,
ibama_vegetacao_remanescente_2008_2009.vre_tem,
ibama_vegetacao_remanescente_2008_2009.shape_leng,
ibama_vegetacao_remanescente_2008_2009.shape_area,
ibama_vegetacao_remanescente_2008_2009.the_geom,
ibama_vegetacao_remanescente_2008_2009.codigoclasse,
classe_vegetacao_remanesc.criterio, replace('\n'::text ||
classe_vegetacao_remanesc.potencialidade), '\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n'::text || classe_vegetacao_remanesc.limitacoes),
'\n'::text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n'::text ||
classe_vegetacao_remanesc.recomendacoes), '\n'::text, '<br /><b>o</b> '::text) AS
recomendacoes FROM (original.ibama_vegetacao_remanescente_2008_2009 LEFT JOIN
classe_vegetacao_remanesc ON ((classe_vegetacao_remanesc.codigo =
ibama_vegetacao_remanescente_2008_2009.codigoclasse));

```

```

--
-- TOC entry 620 (class 1259 OID 277940)
-- Name: v_classe_vulner_erosao; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_vulner_erosao AS
SELECT utb.numero AS numeroutb, utb.nome AS nomeutb, utb.descricao AS
descricaoutb, utb.zonafitoclimatica, dominio_morfologico.descricao AS
dominiomorfologico, poligono_utb.identificador AS identificadorpoligoutb,
poligono_utb.areaqm2, poligono_utb.gid, poligono_utb.the_geom,

```

```

classe_vulner_erosao.codigo AS codigoclassevulnererosao,
classe_vulner_erosao.intervalo, classe_vulner_erosao.conceito FROM
(((poligutb_x_classe_vulner_erosao LEFT JOIN poligono_utb ON
((poligono_utb.identificador =
poligutb_x_classe_vulner_erosao.identificadorpoligonoutb))) LEFT JOIN
classe_vulner_erosao ON ((classe_vulner_erosao.codigo =
poligutb_x_classe_vulner_erosao.codigoclassevulnererosao))) LEFT JOIN utb ON
((poligono_utb.identificadorutb = utb.identificador))) LEFT JOIN dominio_morfologico
ON ((utb.codigodominiomorfologico)::text = (dominio_morfologico.codigo)::text));

```

```

--
-- TOC entry 623 (class 1259 OID 277965)
-- Name: v_classe_vulner_rh_superf; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_vulner_rh_superf AS
SELECT perh_unidade_balanco_2011.codigo AS codigoub,
perh_unidade_balanco_2011.nm_ub AS nomeub, perh_unidade_balanco_2011.descricao AS
descricaoub, perh_unidade_balanco_2011.gid, perh_unidade_balanco_2011.the_geom,
perh_unidade_balanco_2011.nm_rpga AS nomerpga, classe_vulner_rh_superf.codigo AS
codigoclassevulnererrhsuperf, classe_vulner_rh_superf.intervalo,
classe_vulner_rh_superf.conceito FROM ((ub_x_classe_vulner_rh_superf LEFT JOIN
original.perh_unidade_balanco_2011 ON (((perh_unidade_balanco_2011.codigo)::bpchar =
ub_x_classe_vulner_rh_superf.codigoub))) LEFT JOIN classe_vulner_rh_superf ON
((classe_vulner_rh_superf.codigo =
ub_x_classe_vulner_rh_superf.codigoclassevulnererrhsuperf)));

```

```

--
-- TOC entry 382 (class 1259 OID 236939)
-- Name: vulnerab_social; Type: TABLE; Schema: public; Owner: -; Tablespace:
--

```

```

CREATE TABLE vulnerab_social (
geocodigomunicipio character(7) NOT NULL,
indicequalidvida double precision,
indicecondiceconomica double precision,
codigoconceitoqualidvida character(2),
codigoconceitocondicvida character(2),
codigoconceitocondicecon character(2),
codigotipoconcentrpib character(2),
indiceginiterrras double precision,
indicecondvida double precision,
codigoportemunicipio character(2),
codigotipotendenciapopul character(1),
codigotipopredominpopul character(2),
perspecotimista character(3),
perspecnegativa character(3),
indicdimzonaproximal character varying(30),
tipoproximootimista integer,
tipoproximonegativo integer,
codigoclassevulnerabsocial integer
);

```

```

--
-- TOC entry 383 (class 1259 OID 236989)
-- Name: v_classe_vulnerab_social; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_classe_vulnerab_social AS
SELECT vulnerab_social.indicequalidvida,
vulnerab_social.indicecondiceconomica, vulnerab_social.indiceginiterrras,
vulnerab_social.indicecondvida, vulnerab_social.perspecotimista,
vulnerab_social.perspecnegativa, vulnerab_social.indicdimzonaproximal,
vulnerab_social.tipoproximootimista, vulnerab_social.tipoproximonegativo,
classe_vulnerab_social.codigo AS codigoclasse, classe_vulnerab_social.descricao AS
descricaoclasse, municipio.nome AS nomemunicipio, municipio.gid, municipio.the_geom,

```



```

macro_regiao.nome AS nomemacroregiao, conceito_qualid_vida.descricao AS
descricaoqualidadevida, conceito_condic_vida.descricao AS descricaocondicaovida,
conceito_condic_econ.descricao AS descricaocondicaoeconomica,
tipo_concentracao_pib.descricao AS descricaoconcentrpib, porte_municipio.descricao AS
descricaoportemunicipio, tipo_predominancia_popul.descricao AS descricaopredompopul,
tipo_tendencia_popul.descricao AS descricaootendencpopul FROM
((((((((((vulnerab_social JOIN municipio ON ((municipio.geocodigo =
vulnerab_social.geocodigomunicipio))) JOIN macro_regiao ON
((municipio.identificadormacrorregiao = macro_regiao.gid))) JOIN
conceito_qualid_social conceito_qualid_vida ON ((conceito_qualid_vida.codigo =
vulnerab_social.codigoconceitoqualidvida))) JOIN conceito_qualid_social
conceito_condic_vida ON ((conceito_condic_vida.codigo =
vulnerab_social.codigoconceitocondicvida))) JOIN conceito_qualid_social
conceito_condic_econ ON ((conceito_condic_econ.codigo =
vulnerab_social.codigoconceitocondicecon))) JOIN tipo_concentracao_pib ON
((tipo_concentracao_pib.codigo = vulnerab_social.codigotipoconcentrpib))) JOIN
porte_municipio ON ((porte_municipio.codigo = vulnerab_social.codigoportemunicipio)))
JOIN tipo_predominancia_popul ON ((tipo_predominancia_popul.codigo =
vulnerab_social.codigotipopredominpopul))) JOIN tipo_tendencia_popul ON
((tipo_tendencia_popul.codigo = vulnerab_social.codigotipotendenciapopul))) JOIN
classe_vulnerab_social ON ((classe_vulnerab_social.codigo =
vulnerab_social.codigoclassevulnerabsocial)));

```

```
--
```

```
-- TOC entry 584 (class 1259 OID 242861)
```

```
-- Name: zim_x_classe_zim_energetico; Type: TABLE; Schema: public; Owner: -;
```

```
Tablespace:
```

```
--
```

```

CREATE TABLE zim_x_classe_zim_energetico (
    identificadorzim integer NOT NULL,
    codigoclassezimenergetico character(8) NOT NULL
);

```

```
--
```

```
-- TOC entry 576 (class 1259 OID 241799)
```

```
-- Name: zona_interesse_mineral; Type: TABLE; Schema: public; Owner: -;
```

```
Tablespace:
```

```
--
```

```

CREATE TABLE zona_interesse_mineral (
    gid integer NOT NULL,
    areakm2 numeric,
    recursomineral character varying(50),
    the_geom geometry,
    identificador integer,
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

```

```
--
```

```
-- TOC entry 588 (class 1259 OID 242892)
```

```
-- Name: v_classe_zim_energetico; Type: VIEW; Schema: public; Owner: -
```

```
--
```

```

CREATE VIEW v_classe_zim_energetico AS
SELECT zona_interesse_mineral.identificador AS identificadorzim,
zona_interesse_mineral.recursomineral AS recursomineralzona,
zona_interesse_mineral.gid, zona_interesse_mineral.the_geom,
zona_interesse_mineral.areakm2, classe_zim_energetico.codigo AS
codigoclassezimenergetico, classe_zim_energetico.criterio,
classe_zim_energetico.recursomineral, replace(('\\n'::text ||
classe_zim_energetico.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || classe_zim_energetico.limitacoes), '\\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
classe_zim_energetico.recomendacoes), '\\n'::text, '<br /><b>o</b> '::text) AS

```



```
recomendacoes FROM ((zim_x_classe_zim_energetico LEFT JOIN zona_interesse_mineral ON
((zona_interesse_mineral.identificador =
zim_x_Classe_zim_energetico.identificadorzim))) LEFT JOIN classe_zim_energetico ON
((classe_zim_energetico.codigo =
zim_x_classe_zim_energetico.codigoclassezimenergetico)));
```

```
--
-- TOC entry 582 (class 1259 OID 242838)
-- Name: zim_x_classe_zim_gema; Type: TABLE; Schema: public; Owner: -;
```

Tablespace:

```
--
```

```
CREATE TABLE zim_x_classe_zim_gema (
    identificadorzim integer NOT NULL,
    codigoclassezimgema character(8) NOT NULL
);
```

```
--
-- TOC entry 587 (class 1259 OID 242887)
-- Name: v_classe_zim_gema; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_zim_gema AS
SELECT zona_interesse_mineral.identificador AS identificadorzim,
zona_interesse_mineral.recurso_mineral AS recursomineralzona,
zona_interesse_mineral.gid, zona_interesse_mineral.the_geom,
zona_interesse_mineral.areakm2, classe_zim_gema.codigo AS codigoclassezimgema,
classe_zim_gema.criterio, classe_zim_gema.recurso_mineral, replace(('n':text ||
classe_zim_gema.potencialidade), 'n':text, '<br /><b>o</b> ':text) AS
potencialidade, replace(('n':text || classe_zim_gema.limitacoes), 'n':text, '<br
/><b>o</b> ':text) AS limitacoes, replace(('n':text ||
classe_zim_gema.recomendacoes), 'n':text, '<br /><b>o</b> ':text) AS recomendacoes
FROM ((zim_x_classe_zim_gema LEFT JOIN zona_interesse_mineral ON
((zona_interesse_mineral.identificador = zim_x_classe_zim_gema.identificadorzim)))
LEFT JOIN classe_zim_gema ON ((classe_zim_gema.codigo =
zim_x_classe_zim_gema.codigoclassezimgema)));
```

```
--
-- TOC entry 580 (class 1259 OID 242815)
-- Name: zim_x_classe_zim_metalico; Type: TABLE; Schema: public; Owner: -;
```

Tablespace:

```
--
```

```
CREATE TABLE zim_x_classe_zim_metalico (
    identificadorzim integer NOT NULL,
    codigoclassezimmetalico character(8) NOT NULL
);
```

```
--
-- TOC entry 586 (class 1259 OID 242882)
-- Name: v_classe_zim_metalico; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_classe_zim_metalico AS
SELECT zona_interesse_mineral.identificador AS identificadorzim,
zona_interesse_mineral.recurso_mineral AS recursomineralzona,
zona_interesse_mineral.gid, zona_interesse_mineral.the_geom,
zona_interesse_mineral.areakm2, classe_zim_metalico.codigo AS
codigoclassezimmetalico, classe_zim_metalico.criterio,
classe_zim_metalico.recurso_mineral, replace(('n':text ||
classe_zim_metalico.potencialidade), 'n':text, '<br /><b>o</b> ':text) AS
potencialidade, replace(('n':text || classe_zim_metalico.limitacoes), 'n':text,
'<br /><b>o</b> ':text) AS limitacoes, replace(('n':text ||
classe_zim_metalico.recomendacoes), 'n':text, '<br /><b>o</b> ':text) AS
recomendacoes FROM ((zim_x_classe_zim_metalico LEFT JOIN zona_interesse_mineral ON
```

```

((zona_interesse_mineral.identificador =
zim_x_classe_zim_metalico.identificadorzim)) LEFT JOIN classe_zim_metalico ON
((classe_zim_metalico.codigo = zim_x_classe_zim_metalico.codigoclassezimmetalico));

--
-- TOC entry 578 (class 1259 OID 242792)
-- Name: zim_x_classe_zim_nao_metalico; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE zim_x_classe_zim_nao_metalico (
    identificadorzim integer NOT NULL,
    codigoclassezimnaometalico character(8) NOT NULL
);

--
-- TOC entry 585 (class 1259 OID 242877)
-- Name: v_classe_zim_nao_metalico; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_classe_zim_nao_metalico AS
SELECT zona_interesse_mineral.identificador AS identificadorzim,
zona_interesse_mineral.recurso_mineral AS recursomineralzona,
zona_interesse_mineral.gid, zona_interesse_mineral.the_geom,
zona_interesse_mineral.areakm2, classe_zim_nao_metalico.codigo AS
codigoclassezimnaometalico, classe_zim_nao_metalico.criterio,
classe_zim_nao_metalico.recurso_mineral, replace('\n':text ||
classe_zim_nao_metalico.potencialidade), '\n':text, '<br /><b>o</b> '::text) AS
potencialidade, replace('\n':text || classe_zim_nao_metalico.limitacoes),
'\n':text, '<br /><b>o</b> '::text) AS limitacoes, replace('\n':text ||
classe_zim_nao_metalico.recomendacoes), '\n':text, '<br /><b>o</b> '::text) AS
recomendacoes FROM ((zim_x_classe_zim_nao_metalico LEFT JOIN zona_interesse_mineral
ON ((zona_interesse_mineral.identificador =
zim_x_classe_zim_nao_metalico.identificadorzim)) LEFT JOIN classe_zim_nao_metalico
ON ((classe_zim_nao_metalico.codigo =
zim_x_classe_zim_nao_metalico.codigoclassezimnaometalico)));

--
-- TOC entry 348 (class 1259 OID 235277)
-- Name: v_conserv_aguas_sup; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_conserv_aguas_sup AS
SELECT perh_unidade_balanco_2011.codigo AS codigounidadebalanco,
perh_unidade_balanco_2011.nm_ub AS nomeunidadebalanco, perh_unidade_balanco_2011.gid,
perh_unidade_balanco_2011.the_geom, classe_conserv_aguas_sup.codigo AS
codigoclasseconservacaoaguassuperficiais, classe_conserv_aguas_sup.criterio,
classe_conserv_aguas_sup.potencialidade, replace('\n':text ||
classe_conserv_aguas_sup.limitacoes), '\n':text, '<br /><b>o</b> '::text) AS
limitacoes, replace('\n':text || classe_conserv_aguas_sup.recomendacoes),
'\n':text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((ub_x_classe_conserv_aguas_sup LEFT JOIN original.perh_unidade_balanco_2011 ON
(((perh_unidade_balanco_2011.codigo)::bpchar =
ub_x_classe_conserv_aguas_sup.codigounidadebalanco))) LEFT JOIN
classe_conserv_aguas_sup ON ((classe_conserv_aguas_sup.codigo =
ub_x_classe_conserv_aguas_sup.codigoclasseconservacaoaguassuperficiais)));

--
-- TOC entry 368 (class 1259 OID 236505)
-- Name: v_corpo_dagua_marinho; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_corpo_dagua_marinho AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, corpo_dagua_marinho.identificador
AS identificadorcorpodaguamarinho, corpo_dagua_marinho.criterio,
corpo_dagua_marinho.potencialidade, replace('\n':text ||

```

```

corpo_dagua_marinho.limitacoes), '\n'::text, '<br /><b>o</b> '::text) AS limitacoes,
replace(('\\n'::text || corpo_dagua_marinho.recomendacoes), '\\n'::text, '<br
/><b>o</b> '::text) AS recomendacoes FROM ((munic_x_corpo_dagua_marinho LEFT JOIN
municipio ON ((municipio.geocodigo =
munic_x_corpo_dagua_marinho.geocodigomunicipio))) LEFT JOIN corpo_dagua_marinho ON
((corpo_dagua_marinho.identificador =
munic_x_corpo_dagua_marinho.identificadorcorpodaguamarinho)));

```

```

--
-- TOC entry 345 (class 1259 OID 235262)
-- Name: v_disp_hidrica_superf; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_disp_hidrica_superf AS
SELECT perh_unidade_balanco_2011.codigo AS codigounidadebalanco,
perh_unidade_balanco_2011.nm_ub AS nomeunidadebalanco, perh_unidade_balanco_2011.gid,
perh_unidade_balanco_2011.the_geom, classe_disp_hidrica_superf.codigo AS
codigoclassedisponibilidadehidricasuperficial, classe_disp_hidrica_superf.criterio,
classe_disp_hidrica_superf.potencialidade, replace(('\\n'::text ||
classe_disp_hidrica_superf.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_disp_hidrica_superf.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((ub_x_classe_disp_hidrica_superf LEFT JOIN original.perh_unidade_balanco_2011 ON
((perh_unidade_balanco_2011.codigo)::bpchar =
ub_x_classe_disp_hidrica_superf.codigounidadebalanco))) LEFT JOIN
classe_disp_hidrica_superf ON ((classe_disp_hidrica_superf.codigo =
ub_x_classe_disp_hidrica_superf.codigoclassedisponibilidadehidricasuperficial)));

```

```

--
-- TOC entry 285 (class 1259 OID 210451)
-- Name: v_dispos_residuos; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_dispos_residuos AS
SELECT sei_sede_municipal_2010.nome AS nomecidade,
sei_sede_municipal_2010.cod_ibge_1 AS geocodigomunicipio, tipo_disposic_residuo.nome
AS tipodisposicao, genero_disposic_residuo.identificador AS
identificadorgenerodisposicao, genero_disposic_residuo.nome AS generodisposicao,
sei_sede_municipal_2010.gid, sei_sede_municipal_2010.the_geom FROM
((sede_x_tipos_disposic_residuo LEFT JOIN original.sei_sede_municipal_2010 ON
((sede_x_tipos_disposic_residuo.geocodigomunicipio =
(sei_sede_municipal_2010.cod_ibge_1)::bpchar))) LEFT JOIN tipo_disposic_residuo ON
((sede_x_tipos_disposic_residuo.identificador ==
tipo_disposic_residuo.identificador))) LEFT JOIN genero_disposic_residuo ON
((tipo_disposic_residuo.identificador ==
genero_disposic_residuo.identificador)));

```

```

--
-- TOC entry 374 (class 1259 OID 236635)
-- Name: v_fonte_potenc_energia; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_fonte_potenc_energia AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, fonte_potenc_energia.codigo AS
codigofontepotencenergia, fonte_potenc_energia.criterio, replace(('\\n'::text ||
fonte_potenc_energia.potencialidade), '\\n'::text, '<br /><b>o</b> '::text) AS
potencialidade, replace(('\\n'::text || fonte_potenc_energia.limitacoes), '\\n'::text,
'<br /><b>o</b> '::text) AS limitacoes, replace(('\\n'::text ||
fonte_potenc_energia.impactosambientais), '\\n'::text, '<br /><b>o</b> '::text) AS
impactosambientais, replace(('\\n'::text || fonte_potenc_energia.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((munic_x_fonte_potenc_energia LEFT JOIN municipio ON ((municipio.geocodigo =
munic_x_fonte_potenc_energia.geocodigomunicipio))) LEFT JOIN fonte_potenc_energia ON
((fonte_potenc_energia.codigo =
munic_x_fonte_potenc_energia.codigofontepotencenergia)));

```

```
--
-- TOC entry 375 (class 1259 OID 236640)
-- Name: v_fonte_potenc_produc_combust; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_fonte_potenc_produc_combust AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom, fonte_potenc_produc_combust.codigo
AS codigofontepotencproduccombust, fonte_potenc_produc_combust.criterio,
replace(('\\n'::text || fonte_potenc_produc_combust.potencialidade), '\\n'::text, '<br
/><b>o</b>'::text) AS potencialidade, replace(('\\n'::text ||
fonte_potenc_produc_combust.limitacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
limitacoes, replace(('\\n'::text || fonte_potenc_produc_combust.impactosambientais),
'\\n'::text, '<br
/><b>o</b>'::text) AS impactosambientais, replace(('\\n'::text ||
fonte_potenc_produc_combust.recomendacoes), '\\n'::text, '<br
/><b>o</b>'::text) AS
recomendacoes FROM ((munic_x_fonte_potenc_produc_combust LEFT JOIN municipio ON
((municipio.geocodigo = munic_x_fonte_potenc_produc_combust.geocodigomunicipio)))
LEFT JOIN fonte_potenc_produc_combust ON ((fonte_potenc_produc_combust.codigo =
munic_x_fonte_potenc_produc_combust.codigofontepotencproduccombust)));
```

```
--
-- TOC entry 250 (class 1259 OID 183993)
-- Name: v_municipio; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_municipio AS
SELECT municipio.geocodigo, municipio.nome, CASE WHEN (municipio.semiarido =
true) THEN 'Sim'::character varying ELSE 'NÃO'::character varying END AS semiarido,
CASE WHEN (municipio.poligonoseca = true) THEN 'Sim'::character varying ELSE
'NÃO'::character varying END AS poligonoseca, floor(municipio.populacao2007) AS
populacao2007, floor(municipio.areakm2) AS areakm2, municipio.gid,
municipio.the_geom, meso_regiao.nome AS nomemesoregiao, micro_regiao.nome AS
nomemicroregiao, dires.nome AS nomedires, regiao_administrativa.nome AS
nomeregiaoadministrativa, regiao_economica.nome AS nomeregiaoeconomica,
territorio_identidade.nome AS nometerritorioidentidade, eixo_desenvolvimento.nome AS
nomeeixodesenvolvimento FROM ((((((municipio JOIN eixo_desenvolvimento ON
((municipio.codigoeixodesenvolvimento = eixo_desenvolvimento.codigo))) JOIN
territorio_identidade ON ((municipio.codigoterritorioidentidade =
territorio_identidade.codigo))) JOIN regiao_economica ON
((municipio.codigoregiaoeconomica = regiao_economica.codigo))) JOIN
regiao_administrativa ON ((municipio.codigoregiaoadministrativa =
regiao_administrativa.codigo))) JOIN dires ON ((municipio.codigodires =
dires.codigo))) JOIN micro_regiao ON ((municipio.codigomicroregiao =
micro_regiao.codigo))) JOIN meso_regiao ON ((micro_regiao.codigomesoregiao =
meso_regiao.codigo)));
```

```
--
-- TOC entry 350 (class 1259 OID 235586)
-- Name: v_organizacao_social; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_organizacao_social AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom,
geografar_setre_organizacao_social_2010_2011.numcindpatronagric,
geografar_setre_organizacao_social_2010_2011.numcindpatronind,
geografar_setre_organizacao_social_2010_2011.numcindpatroncom,
geografar_setre_organizacao_social_2010_2011.numcindpatrontot,
geografar_setre_organizacao_social_2010_2011.numcindtrabagric,
geografar_setre_organizacao_social_2010_2011.numdelegtrabagric,
geografar_setre_organizacao_social_2010_2011.numpolotrabagric,
geografar_setre_organizacao_social_2010_2011.numcindtrabind,
geografar_setre_organizacao_social_2010_2011.numcindtrabcom,
geografar_setre_organizacao_social_2010_2011.numcindtrabserv,
geografar_setre_organizacao_social_2010_2011.numcindtrabt,
geografar_setre_organizacao_social_2010_2011.numacamp,
geografar_setre_organizacao_social_2010_2011.numassentrural,
```

```

geografar_setre_organizacao_social_2010_2011.numcedterrarural,
geografar_setre_organizacao_social_2010_2011.credfundestad,
geografar_setre_organizacao_social_2010_2011.fundopasto,
geografar_setre_organizacao_social_2010_2011.povoindigena,
geografar_setre_organizacao_social_2010_2011.pescadartesan,
geografar_setre_organizacao_social_2010_2011.comunquilomb,
geografar_setre_organizacao_social_2010_2011.sindtotal,
geografar_setre_organizacao_social_2010_2011.organiztotal,
geografar_setre_organizacao_social_2010_2011.grauquant FROM
(original.geografar_setre_organizacao_social_2010_2011 LEFT JOIN municipio ON
((municipio.geocodigo =
geografar_setre_organizacao_social_2010_2011.geocodigomunicipio)));

```

```

--
-- TOC entry 263 (class 1259 OID 184526)
-- Name: v_pasto_quilombolas_pescadores; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_pasto_quilombolas_pescadores AS
SELECT municipio.geocodigo AS geocodigomunicipio, municipio.nome AS
nomemunicipio, municipio.gid, municipio.the_geom,
pasto_quilombolas_pescadores.numcomunquilombola,
pasto_quilombolas_pescadores.numcomunfundopasto,
pasto_quilombolas_pescadores.numcomunpescadores FROM (pasto_quilombolas_pescadores
LEFT JOIN municipio ON ((municipio.geocodigo =
pasto_quilombolas_pescadores.geocodigomunicipio)));

```

```

--
-- TOC entry 275 (class 1259 OID 189979)
-- Name: v_poligono_up; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_poligono_up AS
SELECT unidade_paisagem.simbolo AS simboloup, unidade_paisagem.nome AS nomeup,
unidade_paisagem.descricao AS descricaoup, poligono_up.perimetrom,
poligono_up.areakm2, poligono_up.gid, poligono_up.the_geom FROM (poligono_up LEFT
JOIN unidade_paisagem ON ((poligono_up.identificadorup =
unidade_paisagem.identificador)));

```

```

--
-- TOC entry 271 (class 1259 OID 186143)
-- Name: v_poligono_utb; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_poligono_utb AS
SELECT utb.numero AS numeroutb, utb.nome AS nomeutb, utb.descricao AS
descricaoutb, utb.zonafitoclimatica, dominio_morfologico.descricao AS
dominiomorfologico, poligono_utb.areakm2, poligono_utb.identificador AS
identificadorpoligoutb, poligono_utb.gid, poligono_utb.the_geom FROM ((poligono_utb
LEFT JOIN utb ON ((poligono_utb.identificadorutb = utb.identificador))) LEFT JOIN
dominio_morfologico ON ((utb.codigodominiomorfologico)::text =
(dominio_morfologico.codigo)::text));

```

```

--
-- TOC entry 281 (class 1259 OID 210416)
-- Name: v_popul_n_atend_esgoto; Type: VIEW; Schema: public; Owner: -
--

```

```

CREATE VIEW v_popul_n_atend_esgoto AS
SELECT round(popul_n_atend_esgoto.populacao) AS populacaonatend,
municipio.nome AS nomemunicipio, municipio.geocodigo AS geocodigomunicipio,
municipio.gid, municipio.the_geom FROM (popul_n_atend_esgoto LEFT JOIN municipio ON
((popul_n_atend_esgoto.geocodigomunicipio = municipio.geocodigo)));

```

```
--
-- TOC entry 279 (class 1259 OID 210402)
-- Name: v_qab; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_qab AS
SELECT classe_qab.descricao AS descricao, classe_qab.intervalo AS
intervalo, classe_qab.perimetrokm, qab.identificadorclasseqab, qab.areakm2,
qab.gid, qab.the_geom FROM (qab LEFT JOIN classe_qab ON ((qab.identificadorclasseqab
= classe_qab.identificador)));
```

```
--
-- TOC entry 347 (class 1259 OID 235272)
-- Name: v_qualid_aguas_superf; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_qualid_aguas_superf AS
SELECT perh_unidade_balanco_2011.codigo AS codigounidadebalanco,
perh_unidade_balanco_2011.nm_ub AS nomeunidadebalanco, perh_unidade_balanco_2011.gid,
perh_unidade_balanco_2011.the_geom, classe_qualid_aguas_superf.codigo AS
codigoclassequalidadeaguassuperficiais, classe_qualid_aguas_superf.criterio,
classe_qualid_aguas_superf.potencialidade, replace(('\\n'::text ||
classe_qualid_aguas_superf.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_qualid_aguas_superf.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((ub_x_classe_qualid_aguas_superf LEFT JOIN original.perh_unidade_balanco_2011 ON
((perh_unidade_balanco_2011.codigo)::bpchar =
ub_x_classe_qualid_aguas_superf.codigounidadebalanco)) LEFT JOIN
classe_qualid_aguas_superf ON ((classe_qualid_aguas_superf.codigo =
ub_x_classe_qualid_aguas_superf.codigoclassequalidadeaguassuperficiais)));
```

```
--
-- TOC entry 346 (class 1259 OID 235267)
-- Name: v_salin_aguas_superf; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_salin_aguas_superf AS
SELECT perh_unidade_balanco_2011.codigo AS codigounidadebalanco,
perh_unidade_balanco_2011.nm_ub AS nomeunidadebalanco, perh_unidade_balanco_2011.gid,
perh_unidade_balanco_2011.the_geom, classe_salin_aguas_superf.codigo AS
codigoclassesalinizacaoaguassuperficiais, classe_salin_aguas_superf.criterio,
classe_salin_aguas_superf.potencialidade, replace(('\\n'::text ||
classe_salin_aguas_superf.limitacoes), '\\n'::text, '<br /><b>o</b> '::text) AS
limitacoes, replace(('\\n'::text || classe_salin_aguas_superf.recomendacoes),
'\\n'::text, '<br /><b>o</b> '::text) AS recomendacoes FROM
((ub_x_classe_salin_aguas_superf LEFT JOIN original.perh_unidade_balanco_2011 ON
((perh_unidade_balanco_2011.codigo)::bpchar =
ub_x_classe_salin_aguas_superf.codigounidadebalanco)) LEFT JOIN
classe_salin_aguas_superf ON ((classe_salin_aguas_superf.codigo =
ub_x_classe_salin_aguas_superf.codigoclassesalinizacaoaguassuperficiais)));
```

```
--
-- TOC entry 287 (class 1259 OID 210466)
-- Name: v_veiculos_sede; Type: VIEW; Schema: public; Owner: -
--
```

```
CREATE VIEW v_veiculos_sede AS
SELECT sei_sede_municipal_2010.nome AS nomecidade,
sei_sede_municipal_2010.cod_ibge_1 AS geocodigomunicipio,
sede_x_numero_veiculos.quantidadeveiculos, sei_sede_municipal_2010.gid,
sei_sede_municipal_2010.the_geom FROM (sede_x_numero_veiculos LEFT JOIN
original.sei_sede_municipal_2010 ON ((sede_x_numero_veiculos.geocodigomunicipio =
(sei_sede_municipal_2010.cod_ibge_1)::bpchar)));
```

```
--
-- TOC entry 289 (class 1259 OID 210472)
```

```

-- Name: vulnerab_biodivers; Type: TABLE; Schema: public; Owner: -;
Tablespace:
--

CREATE TABLE vulnerab_biodivers (
    gid integer NOT NULL,
    areakm2 numeric,
    the_geom geometry,
    codigoclassevulnerabbio character varying(8),
    CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
    CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
    CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);

--
-- TOC entry 291 (class 1259 OID 222313)
-- Name: v_vulnerab_biodivers; Type: VIEW; Schema: public; Owner: -
--

CREATE VIEW v_vulnerab_biodivers AS
SELECT classe_vulnerab_biodivers.descricao AS descricaoqab,
classe_vulnerab_biodivers.intervalo AS intervaloqab,
vulnerab_biodivers.codigoclassevulnerabbio, vulnerab_biodivers.areakm2,
vulnerab_biodivers.gid, vulnerab_biodivers.the_geom FROM (vulnerab_biodivers LEFT
JOIN classe_vulnerab_biodivers ON
((vulnerab_biodivers.codigoclassevulnerabbio)::bpchar =
classe_vulnerab_biodivers.codigo));

--
-- TOC entry 265 (class 1259 OID 184841)
-- Name: zee_areas_conservacao_2013_gid_seq; Type: SEQUENCE; Schema: public;
Owner: -
--

CREATE SEQUENCE zee_areas_conservacao_2013_gid_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

--
-- TOC entry 5812 (class 0 OID 0)
-- Dependencies: 265
-- Name: zee_areas_conservacao_2013_gid_seq; Type: SEQUENCE OWNED BY; Schema:
public; Owner: -
--

ALTER SEQUENCE zee_areas_conservacao_2013_gid_seq OWNED BY
area_conservacao.gid;

--
-- TOC entry 276 (class 1259 OID 200197)
-- Name: zee_qab_2013_gid_seq; Type: SEQUENCE; Schema: public; Owner: -
--

CREATE SEQUENCE zee_qab_2013_gid_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

```

```

--
-- TOC entry 5813 (class 0 OID 0)
-- Dependencies: 276
-- Name: zee_qab_2013_gid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner:
-
--

ALTER SEQUENCE zee_qab_2013_gid_seq OWNED BY qab.gid;

--
-- TOC entry 328 (class 1259 OID 228481)
-- Name: zee_recurso_hidrico_subterraneo_2013_gid_seq; Type: SEQUENCE; Schema:
public; Owner: -
--

CREATE SEQUENCE zee_recurso_hidrico_subterraneo_2013_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

--
-- TOC entry 5814 (class 0 OID 0)
-- Dependencies: 328
-- Name: zee_recurso_hidrico_subterraneo_2013_gid_seq; Type: SEQUENCE OWNED
BY; Schema: public; Owner: -
--

ALTER SEQUENCE zee_recurso_hidrico_subterraneo_2013_gid_seq OWNED BY
poligono_rh_subterraneo.gid;

--
-- TOC entry 272 (class 1259 OID 186201)
-- Name: zee_unidades_de_paisagem_082013_gid_seq; Type: SEQUENCE; Schema:
public; Owner: -
--

CREATE SEQUENCE zee_unidades_de_paisagem_082013_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

--
-- TOC entry 5815 (class 0 OID 0)
-- Dependencies: 272
-- Name: zee_unidades_de_paisagem_082013_gid_seq; Type: SEQUENCE OWNED BY;
Schema: public; Owner: -
--

ALTER SEQUENCE zee_unidades_de_paisagem_082013_gid_seq OWNED BY
poligono_up.gid;

--
-- TOC entry 267 (class 1259 OID 185102)
-- Name: zee_utb_2013_sig_gid_seq; Type: SEQUENCE; Schema: public; Owner: -
--

CREATE SEQUENCE zee_utb_2013_sig_gid_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

```



```

--
-- TOC entry 5816 (class 0 OID 0)
-- Dependencies: 267
-- Name: zee_utb_2013_sig_gid_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: -
--

ALTER SEQUENCE zee_utb_2013_sig_gid_seq OWNED BY poligono_utb.gid;

--
-- TOC entry 288 (class 1259 OID 210470)
-- Name: zee_vulnerabilidade_biodiversidade_2013_gid_seq; Type: SEQUENCE;
Schema: public; Owner: -
--

CREATE SEQUENCE zee_vulnerabilidade_biodiversidade_2013_gid_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

--
-- TOC entry 5817 (class 0 OID 0)
-- Dependencies: 288
-- Name: zee_vulnerabilidade_biodiversidade_2013_gid_seq; Type: SEQUENCE OWNED
BY; Schema: public; Owner: -
--

ALTER SEQUENCE zee_vulnerabilidade_biodiversidade_2013_gid_seq OWNED BY
vulnerab_biodivers.gid;

--
-- TOC entry 575 (class 1259 OID 241797)
-- Name: zona_interesse_mineral_gid_seq; Type: SEQUENCE; Schema: public;
Owner: -
--

CREATE SEQUENCE zona_interesse_mineral_gid_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

--
-- TOC entry 5818 (class 0 OID 0)
-- Dependencies: 575
-- Name: zona_interesse_mineral_gid_seq; Type: SEQUENCE OWNED BY; Schema:
public; Owner: -
--

ALTER SEQUENCE zona_interesse_mineral_gid_seq OWNED BY
zona_interesse_mineral.gid;

--
-- TOC entry 264 (class 1259 OID 184725)
-- Name: zoneamento_ecologico_economico; Type: TABLE; Schema: public; Owner: -
; Tablespace:
--

CREATE TABLE zoneamento_ecologico_economico (

```

```
numero integer NOT NULL,
nome character varying(100),
caracterizacao character varying(254),
the_geom geometry,
CONSTRAINT enforce_dims_the_geom CHECK ((st_ndims(the_geom) = 2)),
CONSTRAINT enforce_geotype_the_geom CHECK (((geometrytype(the_geom) =
'MULTIPOLYGON'::text) OR (the_geom IS NULL))),
CONSTRAINT enforce_srid_the_geom CHECK ((st_srid(the_geom) = 4674))
);
```

```
--
-- TOC entry 4533 (class 2604 OID 261831)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY aptidao_agricola ALTER COLUMN gid SET DEFAULT
nextval('aptidao_agricola_gid_seq'::regclass);
```

```
--
-- TOC entry 4489 (class 2604 OID 184846)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY area_conservacao ALTER COLUMN gid SET DEFAULT
nextval('zee_areas_conservacao_2013_gid_seq'::regclass);
```

```
--
-- TOC entry 4513 (class 2604 OID 238756)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalos_aeroporto ALTER COLUMN gid SET DEFAULT
nextval('gargalos_aeroporto_gid_seq'::regclass);
```

```
--
-- TOC entry 4517 (class 2604 OID 238772)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalos_limite_costeiro ALTER COLUMN gid SET DEFAULT
nextval('gargalos_limite_costeiro_gid_seq'::regclass);
```

```
--
-- TOC entry 4521 (class 2604 OID 238790)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalos_porto ALTER COLUMN gid SET DEFAULT
nextval('gargalos_porto_gid_seq'::regclass);
```

```
--
-- TOC entry 4525 (class 2604 OID 238806)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalos_sistema_transporte ALTER COLUMN gid SET DEFAULT
nextval('gargalos_sistema_transporte_gid_seq'::regclass);
```

```
--
-- TOC entry 4482 (class 2604 OID 184232)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY macro_regiao ALTER COLUMN gid SET DEFAULT
nextval('macro_regiao_gid_seq'::regclass);
```

```
--
-- TOC entry 4474 (class 2604 OID 182511)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY municipio ALTER COLUMN gid SET DEFAULT
nextval('municipio_gid_seq'::regclass);
```

```
--
-- TOC entry 4509 (class 2604 OID 228486)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY poligono_rh_subterraneo ALTER COLUMN gid SET DEFAULT
nextval('zee_recurso_hidrico_subterraneo_2013_gid_seq'::regclass);
```

```
--
-- TOC entry 4497 (class 2604 OID 186206)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY poligono_up ALTER COLUMN gid SET DEFAULT
nextval('zee_unidades_de_paisagem_082013_gid_seq'::regclass);
```

```
--
-- TOC entry 4493 (class 2604 OID 185107)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY poligono_utb ALTER COLUMN gid SET DEFAULT
nextval('zee_utb_2013_sig_gid_seq'::regclass);
```

```
--
-- TOC entry 4501 (class 2604 OID 200202)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY qab ALTER COLUMN gid SET DEFAULT
nextval('zee_qab_2013_gid_seq'::regclass);
```

```
--
-- TOC entry 4478 (class 2604 OID 183460)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY territorio_identidade ALTER COLUMN gid SET DEFAULT
nextval('territorio_identidade_gid_seq'::regclass);
```

```
--
-- TOC entry 4505 (class 2604 OID 210475)
-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY vulnerab_biodivers ALTER COLUMN gid SET DEFAULT
nextval('zee_vulnerabilidade_biodiversidade_2013_gid_seq'::regclass);
```

```
--
-- TOC entry 4529 (class 2604 OID 241802)
```

```

-- Name: gid; Type: DEFAULT; Schema: public; Owner: -
--

ALTER TABLE ONLY zona_interesse_mineral ALTER COLUMN gid SET DEFAULT
nextval('zona_interesse_mineral_gid_seq'::regclass);

--
-- TOC entry 5018 (class 2606 OID 271192)
-- Name: aptidao_agricola_identificador_key; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY aptidao_agricola
    ADD CONSTRAINT aptidao_agricola_identificador_key UNIQUE (identificador);

--
-- TOC entry 5020 (class 2606 OID 261836)
-- Name: aptidao_agricola_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY aptidao_agricola
    ADD CONSTRAINT aptidao_agricola_pkey PRIMARY KEY (gid);

--
-- TOC entry 5025 (class 2606 OID 277728)
-- Name: aptidao_agricola_x_classe_terra_ativ_agricola_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_ativ_agricola
    ADD CONSTRAINT aptidao_agricola_x_classe_terra_ativ_agricola_pkey PRIMARY
KEY (identificadoraptidaoagricola, codigoclasseterraativagricola);

--
-- TOC entry 5037 (class 2606 OID 277812)
-- Name: aptidao_agricola_x_classe_terra_ao_indicada_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_ao_indicada
    ADD CONSTRAINT aptidao_agricola_x_classe_terra_ao_indicada_pkey PRIMARY
KEY (identificadoraptidaoagricola, codigoclasseterraoindicada);

--
-- TOC entry 5033 (class 2606 OID 277784)
-- Name: aptidao_agricola_x_classe_terra_pasto_natural_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_pasto_natural
    ADD CONSTRAINT aptidao_agricola_x_classe_terra_pasto_natural_pkey PRIMARY
KEY (identificadoraptidaoagricola, codigoclasseterrapastonatural);

--
-- TOC entry 5029 (class 2606 OID 277756)
-- Name: aptidao_agricola_x_classe_terra_pasto_plantado_pkey; Type:
CONSTRAINT; Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_pasto_plantado
    ADD CONSTRAINT aptidao_agricola_x_classe_terra_pasto_plantado_pkey PRIMARY
KEY (identificadoraptidaoagricola, codigoclasseterrapastoplantado);

```

```
--
-- TOC entry 4721 (class 2606 OID 237009)
-- Name: classe_algodao_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--
```

```
ALTER TABLE ONLY classe_algodao
    ADD CONSTRAINT classe_algodao_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4624 (class 2606 OID 223346)
-- Name: classe_alliance_zero_extinction_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_alliance_zero_extinction
    ADD CONSTRAINT classe_alliance_zero_extinction_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4725 (class 2606 OID 237032)
-- Name: classe_apicultura_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--
```

```
ALTER TABLE ONLY classe_apicultura
    ADD CONSTRAINT classe_apicultura_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4634 (class 2606 OID 223428)
-- Name: classe_area_carstica_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--
```

```
ALTER TABLE ONLY classe_area_carstica
    ADD CONSTRAINT classe_area_carstica_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4644 (class 2606 OID 223493)
-- Name: classe_area_conservacao_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_area_conservacao
    ADD CONSTRAINT classe_area_conservacao_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4632 (class 2606 OID 223415)
-- Name: classe_area_holistica_geodivers_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_area_holistica_geodivers
    ADD CONSTRAINT classe_area_holistica_geodivers_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4628 (class 2606 OID 223372)
-- Name: classe_area_importancia_biolog_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_area_importancia_biolog
    ADD CONSTRAINT classe_area_importancia_biolog_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4638 (class 2606 OID 223454)
-- Name: classe_area_suscep_desertific_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_area_suscep_desertific
    ADD CONSTRAINT classe_area_suscep_desertific_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4695 (class 2606 OID 236479)
-- Name: classe_area_viveiro_maricult_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_area_viveiro_maricult
    ADD CONSTRAINT classe_area_viveiro_maricult_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 5014 (class 2606 OID 257084)
-- Name: classe_arranjo_minerario_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_arranjo_minerario
    ADD CONSTRAINT classe_arranjo_minerario_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4729 (class 2606 OID 237055)
-- Name: classe_avicultura_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--
```

```
ALTER TABLE ONLY classe_avicultura
    ADD CONSTRAINT classe_avicultura_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4733 (class 2606 OID 237078)
-- Name: classe_bovinocultura_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
; Tablespace:
--
```

```
ALTER TABLE ONLY classe_bovinocultura
    ADD CONSTRAINT classe_bovinocultura_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4737 (class 2606 OID 237101)
-- Name: classe_cacau_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--
```

```
ALTER TABLE ONLY classe_cacau
    ADD CONSTRAINT classe_cacau_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 5006 (class 2606 OID 257035)
-- Name: classe_cadeia_producao_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
; Tablespace:
--
```

```
ALTER TABLE ONLY classe_cadeia_producao
    ADD CONSTRAINT classe_cadeia_producao_pkey PRIMARY KEY (codigo);
```

```

--
-- TOC entry 4741 (class 2606 OID 237124)
-- Name: classe_cafe_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_cafe
    ADD CONSTRAINT classe_cafe_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4745 (class 2606 OID 237147)
-- Name: classe_cana_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_cana
    ADD CONSTRAINT classe_cana_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4749 (class 2606 OID 237170)
-- Name: classe_caprinocultura_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_caprinocultura
    ADD CONSTRAINT classe_caprinocultura_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4636 (class 2606 OID 223441)
-- Name: classe_caverna_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_caverna
    ADD CONSTRAINT classe_caverna_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4753 (class 2606 OID 237193)
-- Name: classe_citros_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_citros
    ADD CONSTRAINT classe_citros_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4757 (class 2606 OID 237216)
-- Name: classe_coco_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_coco
    ADD CONSTRAINT classe_coco_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4663 (class 2606 OID 234891)
-- Name: classe_conserv_aguas_subterraneas_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_conserv_aguas_subterraneas
    ADD CONSTRAINT classe_conserv_aguas_subterraneas_pkey PRIMARY KEY
(codigo);

```

```
--
-- TOC entry 4679 (class 2606 OID 235246)
-- Name: classe_conserv_aguas_sup_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_conserv_aguas_sup
    ADD CONSTRAINT classe_conserv_aguas_sup_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4683 (class 2606 OID 236401)
-- Name: classe_corpo_dagua_contin_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corpo_dagua_contin
    ADD CONSTRAINT classe_corpo_dagua_contin_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4953 (class 2606 OID 241519)
-- Name: classe_corredor_ns_inter_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_ns_inter
    ADD CONSTRAINT classe_corredor_ns_inter_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4957 (class 2606 OID 241542)
-- Name: classe_corredor_ns_interp_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_ns_interp
    ADD CONSTRAINT classe_corredor_ns_interp_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4949 (class 2606 OID 241496)
-- Name: classe_corredor_ns_litor_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_ns_litor
    ADD CONSTRAINT classe_corredor_ns_litor_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4973 (class 2606 OID 241634)
-- Name: classe_corredor_ns_marit_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_ns_marit
    ADD CONSTRAINT classe_corredor_ns_marit_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4977 (class 2606 OID 241657)
-- Name: classe_corredor_ns_maritp_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_ns_maritp
    ADD CONSTRAINT classe_corredor_ns_maritp_pkey PRIMARY KEY (codigo);
```



```
--
-- TOC entry 4961 (class 2606 OID 241565)
-- Name: classe_corredor_ns_oeste_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_ns_oeste
    ADD CONSTRAINT classe_corredor_ns_oeste_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4969 (class 2606 OID 241611)
-- Name: classe_corredor_transv_n_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_transv_n
    ADD CONSTRAINT classe_corredor_transv_n_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4965 (class 2606 OID 241588)
-- Name: classe_corredor_transv_ol_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_corredor_transv_ol
    ADD CONSTRAINT classe_corredor_transv_ol_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4761 (class 2606 OID 237239)
-- Name: classe_dende_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--
```

```
ALTER TABLE ONLY classe_dende
    ADD CONSTRAINT classe_dende_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4667 (class 2606 OID 235177)
-- Name: classe_disp_hidrica_superf_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_disp_hidrica_superf
    ADD CONSTRAINT classe_disp_hidrica_superf_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4655 (class 2606 OID 234845)
-- Name: classe_disponib_hidrica_subterranea_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_disponib_hidrica_subterranea
    ADD CONSTRAINT classe_disponib_hidrica_subterranea_pkey PRIMARY KEY
(codigo);
```

```
--
-- TOC entry 5010 (class 2606 OID 257061)
-- Name: classe_distrito_industrial_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_distrito_industrial
```

```

        ADD CONSTRAINT classe_distrito_industrial_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4765 (class 2606 OID 237262)
-- Name: classe_feijao_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_feijao
    ADD CONSTRAINT classe_feijao_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4769 (class 2606 OID 237285)
-- Name: classe_fruticultura_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_fruticultura
    ADD CONSTRAINT classe_fruticultura_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4773 (class 2606 OID 237308)
-- Name: classe_heveicultura_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_heveicultura
    ADD CONSTRAINT classe_heveicultura_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4626 (class 2606 OID 223359)
-- Name: classe_important_bird_area_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_important_bird_area
    ADD CONSTRAINT classe_important_bird_area_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4841 (class 2606 OID 239453)
-- Name: classe_investim_privados_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_investim_privados
    ADD CONSTRAINT classe_investim_privados_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4901 (class 2606 OID 240920)
-- Name: classe_it_acesso_aeroviario_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_it_acesso_aeroviario
    ADD CONSTRAINT classe_it_acesso_aeroviario_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4913 (class 2606 OID 240989)
-- Name: classe_it_acesso_ferrovuario_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_it_acesso_ferrovuario
    ADD CONSTRAINT classe_it_acesso_ferrovuario_pkey PRIMARY KEY (codigo);

```

```
--
-- TOC entry 4905 (class 2606 OID 240943)
-- Name: classe_it_acesso_hidroviario_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_it_acesso_hidroviario
    ADD CONSTRAINT classe_it_acesso_hidroviario_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4909 (class 2606 OID 240966)
-- Name: classe_it_acesso_rodoviario_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_it_acesso_rodoviario
    ADD CONSTRAINT classe_it_acesso_rodoviario_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4917 (class 2606 OID 241012)
-- Name: classe_it_comunicacao_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--
```

```
ALTER TABLE ONLY classe_it_comunicacao
    ADD CONSTRAINT classe_it_comunicacao_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4921 (class 2606 OID 241035)
-- Name: classe_it_infraestr_basica_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_it_infraestr_basica
    ADD CONSTRAINT classe_it_infraestr_basica_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4925 (class 2606 OID 241058)
-- Name: classe_it_infraestr_hoteleira_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_it_infraestr_hoteleira
    ADD CONSTRAINT classe_it_infraestr_hoteleira_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4622 (class 2606 OID 223333)
-- Name: classe_key_biodiversity_area_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY classe_key_biodiversity_area
    ADD CONSTRAINT classe_key_biodiversity_area_pkey PRIMARY KEY (codigo);
```

```
--
-- TOC entry 4777 (class 2606 OID 237331)
-- Name: classe_mamao_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--
```

```
ALTER TABLE ONLY classe_mamao
```

```

        ADD CONSTRAINT classe_mamao_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4781 (class 2606 OID 237354)
-- Name: classe_mamona_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_mamona
    ADD CONSTRAINT classe_mamona_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4785 (class 2606 OID 237377)
-- Name: classe_mandioca_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_mandioca
    ADD CONSTRAINT classe_mandioca_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4789 (class 2606 OID 237400)
-- Name: classe_maracuja_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_maracuja
    ADD CONSTRAINT classe_maracuja_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4793 (class 2606 OID 237423)
-- Name: classe_milho_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_milho
    ADD CONSTRAINT classe_milho_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4687 (class 2606 OID 236426)
-- Name: classe_num_pescadores_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_num_pescadores
    ADD CONSTRAINT classe_num_pescadores_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4837 (class 2606 OID 239430)
-- Name: classe_partic_colegiados_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_partic_colegiados
    ADD CONSTRAINT classe_partic_colegiados_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4575 (class 2606 OID 184316)
-- Name: classe_patrim_arqueol_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_patrim_arqueol
    ADD CONSTRAINT classe_patrim_arqueol_pkey PRIMARY KEY (codigo);

```

```

--
-- TOC entry 4567 (class 2606 OID 184269)
-- Name: classe_patrim_imaterial_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_patrim_imaterial
    ADD CONSTRAINT classe_patrim_imaterial_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4571 (class 2606 OID 184292)
-- Name: classe_patrim_material_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_patrim_material
    ADD CONSTRAINT classe_patrim_material_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4877 (class 2606 OID 240781)
-- Name: classe_phm_monum_historico_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_phm_monum_historico
    ADD CONSTRAINT classe_phm_monum_historico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4873 (class 2606 OID 240757)
-- Name: classe_phm_nucleo_historico_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_phm_nucleo_historico
    ADD CONSTRAINT classe_phm_nucleo_historico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4889 (class 2606 OID 240851)
-- Name: classe_pi_comunid_autentica_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pi_comunid_autentica
    ADD CONSTRAINT classe_pi_comunid_autentica_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4893 (class 2606 OID 240874)
-- Name: classe_pi_comunid_etnica_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pi_comunid_etnica
    ADD CONSTRAINT classe_pi_comunid_etnica_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4897 (class 2606 OID 240897)
-- Name: classe_pi_manifest_artistica_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pi_manifest_artistica

```

```

        ADD CONSTRAINT classe_pi_manifest_artistica_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4937 (class 2606 OID 241411)
-- Name: classe_pl_vulnerab_social_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pl_vulnerab_social
    ADD CONSTRAINT classe_pl_vulnerab_social_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4853 (class 2606 OID 240642)
-- Name: classe_pn_conj_geogr_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY classe_pn_conj_geogr
    ADD CONSTRAINT classe_pn_conj_geogr_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4857 (class 2606 OID 240665)
-- Name: classe_pn_conj_nat_integ_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pn_conj_nat_integ
    ADD CONSTRAINT classe_pn_conj_nat_integ_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4861 (class 2606 OID 240688)
-- Name: classe_pn_ecossistema_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_pn_ecossistema
    ADD CONSTRAINT classe_pn_ecossistema_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4865 (class 2606 OID 240711)
-- Name: classe_pn_paisagem_costeira_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pn_paisagem_costeira
    ADD CONSTRAINT classe_pn_paisagem_costeira_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4869 (class 2606 OID 240734)
-- Name: classe_pn_sistema_hidrografico_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pn_sistema_hidrografico
    ADD CONSTRAINT classe_pn_sistema_hidrografico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4881 (class 2606 OID 240805)
-- Name: classe_pne_patrim_espeleologico_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pne_patrim_espeleologico
    ADD CONSTRAINT classe_pne_patrim_espeleologico_pkey PRIMARY KEY (codigo);

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--
-- TOC entry 4885 (class 2606 OID 240828)
-- Name: classe_pne_recurso_hidrotermico_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_pne_recurso_hidrotermico
    ADD CONSTRAINT classe_pne_recurso_hidrotermico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4849 (class 2606 OID 239499)
-- Name: classe_politicas_estaduais_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_politicas_estaduais
    ADD CONSTRAINT classe_politicas_estaduais_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4845 (class 2606 OID 239476)
-- Name: classe_politicas_federais_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_politicas_federais
    ADD CONSTRAINT classe_politicas_federais_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4829 (class 2606 OID 239384)
-- Name: classe_presenca_instituicoes_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_presenca_instituicoes
    ADD CONSTRAINT classe_presenca_instituicoes_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4605 (class 2606 OID 210396)
-- Name: classe_qab_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_qab
    ADD CONSTRAINT classe_qab_pkey PRIMARY KEY (identificador);

--
-- TOC entry 4659 (class 2606 OID 234868)
-- Name: classe_qualid_aguas_subterraneas_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_qualid_aguas_subterraneas
    ADD CONSTRAINT classe_qualid_aguas_subterraneas_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4675 (class 2606 OID 235223)
-- Name: classe_qualid_aguas_superf_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_qualid_aguas_superf

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        ADD CONSTRAINT classe_qualid_aguas_superf_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4671 (class 2606 OID 235200)
-- Name: classe_salin_aguas_superf_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_salin_aguas_superf
    ADD CONSTRAINT classe_salin_aguas_superf_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4797 (class 2606 OID 237446)
-- Name: classe_silvicultura_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_silvicultura
    ADD CONSTRAINT classe_silvicultura_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4801 (class 2606 OID 237469)
-- Name: classe_sisal_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_sisal
    ADD CONSTRAINT classe_sisal_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4833 (class 2606 OID 239407)
-- Name: classe_sist_gestao_ambient_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_sist_gestao_ambient
    ADD CONSTRAINT classe_sist_gestao_ambient_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4941 (class 2606 OID 241440)
-- Name: classe_sistemas_sociais_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_sistemas_sociais
    ADD CONSTRAINT classe_sistemas_sociais_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4805 (class 2606 OID 237492)
-- Name: classe_soja_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_soja
    ADD CONSTRAINT classe_soja_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4929 (class 2606 OID 241095)
-- Name: classe_sustentab_socioecon_local_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_sustentab_socioecon_local
    ADD CONSTRAINT classe_sustentab_socioecon_local_pkey PRIMARY KEY (codigo);

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--
-- TOC entry 4933 (class 2606 OID 241118)
-- Name: classe_sustentab_socioecon_regional_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_sustentab_socioecon_regional
    ADD CONSTRAINT classe_sustentab_socioecon_regional_pkey PRIMARY KEY
(codigo);

--
-- TOC entry 5023 (class 2606 OID 277718)
-- Name: classe_terra_ativ_agricola_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_terra_ativ_agricola
    ADD CONSTRAINT classe_terra_ativ_agricola_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4642 (class 2606 OID 223480)
-- Name: classe_terra_indigena_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_terra_indigena
    ADD CONSTRAINT classe_terra_indigena_pkey PRIMARY KEY (codigo);

--
-- TOC entry 5035 (class 2606 OID 277802)
-- Name: classe_terra_ao_indicada_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_terra_ao_indicada
    ADD CONSTRAINT classe_terra_ao_indicada_pkey PRIMARY KEY (codigo);

--
-- TOC entry 5031 (class 2606 OID 277774)
-- Name: classe_terra_pasto_natural_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_terra_pasto_natural
    ADD CONSTRAINT classe_terra_pasto_natural_pkey PRIMARY KEY (codigo);

--
-- TOC entry 5027 (class 2606 OID 277746)
-- Name: classe_terra_pasto_plantado_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_terra_pasto_plantado
    ADD CONSTRAINT classe_terra_pasto_plantado_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4640 (class 2606 OID 223467)
-- Name: classe_territorio_quilombola_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

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ALTER TABLE ONLY classe_territorio_quilombola
    ADD CONSTRAINT classe_territorio_quilombola_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4945 (class 2606 OID 241473)
-- Name: classe_tic_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_tic
    ADD CONSTRAINT classe_tic_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4981 (class 2606 OID 241680)
-- Name: classe_transp_aeroviario_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_transp_aeroviario
    ADD CONSTRAINT classe_transp_aeroviario_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4648 (class 2606 OID 223519)
-- Name: classe_unid_conserv_estadual_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_unid_conserv_estadual
    ADD CONSTRAINT classe_unid_conserv_estadual_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4646 (class 2606 OID 223506)
-- Name: classe_unid_conserv_federal_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_unid_conserv_federal
    ADD CONSTRAINT classe_unid_conserv_federal_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4630 (class 2606 OID 223388)
-- Name: classe_vegetacao_remanesc_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_vegetacao_remanesc
    ADD CONSTRAINT classe_vegetacao_remanesc_pkey PRIMARY KEY (codigo);

--
-- TOC entry 5039 (class 2606 OID 277924)
-- Name: classe_vulner_erosao_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY classe_vulner_erosao
    ADD CONSTRAINT classe_vulner_erosao_pkey PRIMARY KEY (codigo);

--
-- TOC entry 5043 (class 2606 OID 277949)
-- Name: classe_vulner_rh_superf_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_vulner_rh_superf

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        ADD CONSTRAINT classe_vulner_rh_superf_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4620 (class 2606 OID 222251)
-- Name: classe_vulnerab_biodivers_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_vulnerab_biodivers
    ADD CONSTRAINT classe_vulnerab_biodivers_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4717 (class 2606 OID 236938)
-- Name: classe_vulnerab_social_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_vulnerab_social
    ADD CONSTRAINT classe_vulnerab_social_pkey PRIMARY KEY (codigo);

--
-- TOC entry 5002 (class 2606 OID 242860)
-- Name: classe_zim_energetico_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY classe_zim_energetico
    ADD CONSTRAINT classe_zim_energetico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4998 (class 2606 OID 242837)
-- Name: classe_zim_gema_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_zim_gema
    ADD CONSTRAINT classe_zim_gema_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4994 (class 2606 OID 242814)
-- Name: classe_zim_metalico_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY classe_zim_metalico
    ADD CONSTRAINT classe_zim_metalico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4990 (class 2606 OID 242791)
-- Name: classe_zim_nao_metalico_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY classe_zim_nao_metalico
    ADD CONSTRAINT classe_zim_nao_metalico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4691 (class 2606 OID 236449)
-- Name: corpo_dagua_marinho_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

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ALTER TABLE ONLY corpo_dagua_marinho
    ADD CONSTRAINT corpo_dagua_marinho_pkey PRIMARY KEY (identificador);

--
-- TOC entry 4562 (class 2606 OID 183951)
-- Name: dires_pkey; Type: CONSTRAINT; Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY dires
    ADD CONSTRAINT dires_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4591 (class 2606 OID 186122)
-- Name: dominio_morfologico_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY dominio_morfologico
    ADD CONSTRAINT dominio_morfologico_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4653 (class 2606 OID 234837)
-- Name: dsmr_pkey; Type: CONSTRAINT; Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY dsmr
    ADD CONSTRAINT dsmr_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4665 (class 2606 OID 234896)
-- Name: dsmr_x_classe_conserv_aguas_subter_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY dsmr_x_classe_conserv_aguas_subter
    ADD CONSTRAINT dsmr_x_classe_conserv_aguas_subter_pkey PRIMARY KEY
(codigodsmr, codigoclasseconservaguassubter);

--
-- TOC entry 4657 (class 2606 OID 234850)
-- Name: dsmr_x_classe_disp_hidr_subter_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY dsmr_x_classe_disp_hidr_subter
    ADD CONSTRAINT dsmr_x_classe_disp_hidr_subter_pkey PRIMARY KEY
(codigodsmr, codigoclassedisphidrsubter);

--
-- TOC entry 4661 (class 2606 OID 234873)
-- Name: dsmr_x_classe_qualid_aguas_subter_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY dsmr_x_classe_qualid_aguas_subter
    ADD CONSTRAINT dsmr_x_classe_qualid_aguas_subter_pkey PRIMARY KEY
(codigodsmr, codigoclassequalidaguassubter);

--
-- TOC entry 4556 (class 2606 OID 183931)
-- Name: eixo_desenvolvimento_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

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```

ALTER TABLE ONLY eixo_desenvolvimento
    ADD CONSTRAINT eixo_desenvolvimento_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4699 (class 2606 OID 236574)
-- Name: fonte_potenc_energia_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY fonte_potenc_energia
    ADD CONSTRAINT fonte_potenc_energia_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4703 (class 2606 OID 236609)
-- Name: fonte_potenc_produc_combust_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY fonte_potenc_produc_combust
    ADD CONSTRAINT fonte_potenc_produc_combust_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4955 (class 2606 OID 241524)
-- Name: gargalo_x_classe_corredor_ns_inter_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_inter
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_inter_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredornsinter);

--
-- TOC entry 4959 (class 2606 OID 241547)
-- Name: gargalo_x_classe_corredor_ns_interp_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_interp
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_interp_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredornsinterp);

--
-- TOC entry 4951 (class 2606 OID 241501)
-- Name: gargalo_x_classe_corredor_ns_litor_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_litor
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_litor_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredornslitor);

--
-- TOC entry 4975 (class 2606 OID 241639)
-- Name: gargalo_x_classe_corredor_ns_marit_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_marit
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_marit_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredornsmarit);

--

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```

-- TOC entry 4979 (class 2606 OID 241662)
-- Name: gargalo_x_classe_corredor_ns_maritp_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_maritp
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_maritp_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredornsmaritp);

--
-- TOC entry 4963 (class 2606 OID 241570)
-- Name: gargalo_x_classe_corredor_ns_oeste_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_oeste
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_oeste_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredornsoeste);

--
-- TOC entry 4971 (class 2606 OID 241616)
-- Name: gargalo_x_classe_corredor_transv_n_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_transv_n
    ADD CONSTRAINT gargalo_x_classe_corredor_transv_n_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredortransvn);

--
-- TOC entry 4967 (class 2606 OID 241593)
-- Name: gargalo_x_classe_corredor_transv_ol_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_corredor_transv_ol
    ADD CONSTRAINT gargalo_x_classe_corredor_transv_ol_pkey PRIMARY KEY
(identificadoreixo, codigoclassecorredortransvol);

--
-- TOC entry 4983 (class 2606 OID 241685)
-- Name: gargalo_x_classe_transp_aeroviario_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalo_x_classe_transp_aeroviario
    ADD CONSTRAINT gargalo_x_classe_transp_aeroviario_pkey PRIMARY KEY
(identificadoreixo, codigoclassetranspaeroviario);

--
-- TOC entry 4809 (class 2606 OID 238944)
-- Name: gargalos_aeroporto_identificador_key; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalos_aeroporto
    ADD CONSTRAINT gargalos_aeroporto_identificador_key UNIQUE
(identificador);

--
-- TOC entry 4811 (class 2606 OID 238761)
-- Name: gargalos_aeroporto_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

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ALTER TABLE ONLY gargalos_aeroporto
    ADD CONSTRAINT gargalos_aeroporto_pkey PRIMARY KEY (gid);

--
-- TOC entry 4814 (class 2606 OID 238946)
-- Name: gargalos_limite_costeiro_identificador_key; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalos_limite_costeiro
    ADD CONSTRAINT gargalos_limite_costeiro_identificador_key UNIQUE
(identificador);

--
-- TOC entry 4816 (class 2606 OID 238777)
-- Name: gargalos_limite_costeiro_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalos_limite_costeiro
    ADD CONSTRAINT gargalos_limite_costeiro_pkey PRIMARY KEY (gid);

--
-- TOC entry 4819 (class 2606 OID 238948)
-- Name: gargalos_porto_identificador_key; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalos_porto
    ADD CONSTRAINT gargalos_porto_identificador_key UNIQUE (identificador);

--
-- TOC entry 4821 (class 2606 OID 238795)
-- Name: gargalos_porto_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY gargalos_porto
    ADD CONSTRAINT gargalos_porto_pkey PRIMARY KEY (gid);

--
-- TOC entry 4824 (class 2606 OID 238950)
-- Name: gargalos_sistema_transporte_identificador_key; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalos_sistema_transporte
    ADD CONSTRAINT gargalos_sistema_transporte_identificador_key UNIQUE
(identificador);

--
-- TOC entry 4826 (class 2606 OID 238811)
-- Name: gargalos_sistema_transporte_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY gargalos_sistema_transporte
    ADD CONSTRAINT gargalos_sistema_transporte_pkey PRIMARY KEY (gid);

--
-- TOC entry 4609 (class 2606 OID 210425)

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-- Name: genero_disposic_residuo_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY genero_disposic_residuo
    ADD CONSTRAINT genero_disposic_residuo_pkey PRIMARY KEY (identificador);

--
-- TOC entry 4540 (class 2606 OID 16762)
-- Name: geometry_columns_pk; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY geometry_columns
    ADD CONSTRAINT geometry_columns_pk PRIMARY KEY (f_table_catalog,
f_table_schema, f_table_name, f_geometry_column);

--
-- TOC entry 4707 (class 2606 OID 236913)
-- Name: indice_qualid_social_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY conceito_qualid_social
    ADD CONSTRAINT indice_qualid_social_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4564 (class 2606 OID 184237)
-- Name: macro_regiao_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY macro_regiao
    ADD CONSTRAINT macro_regiao_pkey PRIMARY KEY (gid);

--
-- TOC entry 4558 (class 2606 OID 183936)
-- Name: meso_regiao_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY meso_regiao
    ADD CONSTRAINT meso_regiao_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4560 (class 2606 OID 183941)
-- Name: micro_regiao_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY micro_regiao
    ADD CONSTRAINT micro_regiao_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4723 (class 2606 OID 237014)
-- Name: munic_x_classe_algodao_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_algodao
    ADD CONSTRAINT munic_x_classe_algodao_pkey PRIMARY KEY
(geocodigomunicípio, codigoclasseealgodao);

--

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-- TOC entry 4727 (class 2606 OID 237037)
-- Name: munic_x_classe_apicultura_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_apicultura
    ADD CONSTRAINT munic_x_classe_apicultura_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclasseapicultura);

--
-- TOC entry 4697 (class 2606 OID 236484)
-- Name: munic_x_classe_area_viveiro_maricult_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_area_viveiro_maricult
    ADD CONSTRAINT munic_x_classe_area_viveiro_maricult_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclasseareaviveiromaricultura);

--
-- TOC entry 5016 (class 2606 OID 257089)
-- Name: munic_x_classe_arranjo_minerario_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_arranjo_minerario
    ADD CONSTRAINT munic_x_classe_arranjo_minerario_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassearranjominerario);

--
-- TOC entry 4731 (class 2606 OID 237060)
-- Name: munic_x_classe_avicultura_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_avicultura
    ADD CONSTRAINT munic_x_classe_avicultura_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclasseavicultura);

--
-- TOC entry 4735 (class 2606 OID 237083)
-- Name: munic_x_classe_bovinocultura_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_bovinocultura
    ADD CONSTRAINT munic_x_classe_bovinocultura_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassebovinocultura);

--
-- TOC entry 4739 (class 2606 OID 237106)
-- Name: munic_x_classe_cacau_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_cacau
    ADD CONSTRAINT munic_x_classe_cacau_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassecacau);

--
-- TOC entry 4743 (class 2606 OID 237129)
-- Name: munic_x_classe_cafe_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:

```

```

--

ALTER TABLE ONLY munic_x_classe_cafe
    ADD CONSTRAINT munic_x_classe_cafe_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassecafe);

--
-- TOC entry 4747 (class 2606 OID 237152)
-- Name: munic_x_classe_cana_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY munic_x_classe_cana
    ADD CONSTRAINT munic_x_classe_cana_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassecana);

--
-- TOC entry 4751 (class 2606 OID 237175)
-- Name: munic_x_classe_caprinocultura_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_caprinocultura
    ADD CONSTRAINT munic_x_classe_caprinocultura_pkey PRIMARY KEY
(geocodigomunicipio, codigoclassecaprinocultura);

--
-- TOC entry 4755 (class 2606 OID 237198)
-- Name: munic_x_classe_citros_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_citros
    ADD CONSTRAINT munic_x_classe_citros_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassecitros);

--
-- TOC entry 4759 (class 2606 OID 237221)
-- Name: munic_x_classe_coco_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY munic_x_classe_coco
    ADD CONSTRAINT munic_x_classe_coco_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassecoco);

--
-- TOC entry 4685 (class 2606 OID 236408)
-- Name: munic_x_classe_corpo_dagua_contin_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_corpo_dagua_contin
    ADD CONSTRAINT munic_x_classe_corpo_dagua_contin_pkey PRIMARY KEY
(geocodigomunicipio, codigoclassecorpodaguacontinental);

--
-- TOC entry 4763 (class 2606 OID 237244)
-- Name: munic_x_classe_dende_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_dende
    ADD CONSTRAINT munic_x_classe_dende_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassedende);

```

```

--
-- TOC entry 4767 (class 2606 OID 237267)
-- Name: munic_x_classe_feijao_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_feijao
    ADD CONSTRAINT munic_x_classe_feijao_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassefeijao);

--
-- TOC entry 4771 (class 2606 OID 237290)
-- Name: munic_x_classe_fruticultura_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_fruticultura
    ADD CONSTRAINT munic_x_classe_fruticultura_pkey PRIMARY KEY
(geocodigomunicipio, codigoclassefruticultura);

--
-- TOC entry 4775 (class 2606 OID 237313)
-- Name: munic_x_classe_heveicultura_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_heveicultura
    ADD CONSTRAINT munic_x_classe_heveicultura_pkey PRIMARY KEY
(geocodigomunicipio, codigoclasseheveicultura);

--
-- TOC entry 4903 (class 2606 OID 240925)
-- Name: munic_x_classe_it_acesso_aeroviario_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_it_acesso_aeroviario
    ADD CONSTRAINT munic_x_classe_it_acesso_aeroviario_pkey PRIMARY KEY
(geocodigomunicipio, codigoclasseitacessoaeroviario);

--
-- TOC entry 4915 (class 2606 OID 240994)
-- Name: munic_x_classe_it_acesso_ferrovuario_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_it_acesso_ferrovuario
    ADD CONSTRAINT munic_x_classe_it_acesso_ferrovuario_pkey PRIMARY KEY
(geocodigomunicipio, codigoclasseitacessoferrovuario);

--
-- TOC entry 4907 (class 2606 OID 240948)
-- Name: munic_x_classe_it_acesso_hidrovuario_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_it_acesso_hidrovuario
    ADD CONSTRAINT munic_x_classe_it_acesso_hidrovuario_pkey PRIMARY KEY
(geocodigomunicipio, codigoclasseitacessohidrovuario);

--

```

```

-- TOC entry 4911 (class 2606 OID 240971)
-- Name: munic_x_classe_it_acesso_rodoviario_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_it_acesso_rodoviario
    ADD CONSTRAINT munic_x_classe_it_acesso_rodoviario_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclasseitacessorodoviario);

--
-- TOC entry 4919 (class 2606 OID 241017)
-- Name: munic_x_classe_it_comunicacao_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_it_comunicacao
    ADD CONSTRAINT munic_x_classe_it_comunicacao_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclasseitcomunicacao);

--
-- TOC entry 4923 (class 2606 OID 241040)
-- Name: munic_x_classe_it_infraestr_basica_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_it_infraestr_basica
    ADD CONSTRAINT munic_x_classe_it_infraestr_basica_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclasseitinfraestrbasica);

--
-- TOC entry 4927 (class 2606 OID 241077)
-- Name: munic_x_classe_it_infraestr_hoteleira_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_it_infraestr_hoteleira
    ADD CONSTRAINT munic_x_classe_it_infraestr_hoteleira_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclasseitinfraestrhoteleira);

--
-- TOC entry 4779 (class 2606 OID 237336)
-- Name: munic_x_classe_mamao_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_mamao
    ADD CONSTRAINT munic_x_classe_mamao_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassemamao);

--
-- TOC entry 4783 (class 2606 OID 237359)
-- Name: munic_x_classe_mamona_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_mamona
    ADD CONSTRAINT munic_x_classe_mamona_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassemamona);

--
-- TOC entry 4787 (class 2606 OID 237382)
-- Name: munic_x_classe_mandioca_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

```

```

ALTER TABLE ONLY munic_x_classe_mandioca
    ADD CONSTRAINT munic_x_classe_mandioca_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassemandioca);

--
-- TOC entry 4791 (class 2606 OID 237405)
-- Name: munic_x_classe_maracuja_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_maracuja
    ADD CONSTRAINT munic_x_classe_maracuja_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassemaracuja);

--
-- TOC entry 4795 (class 2606 OID 237428)
-- Name: munic_x_classe_milho_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_milho
    ADD CONSTRAINT munic_x_classe_milho_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassemilho);

--
-- TOC entry 4689 (class 2606 OID 236431)
-- Name: munic_x_classe_num_pescadores_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_num_pescadores
    ADD CONSTRAINT munic_x_classe_num_pescadores_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassenumeropescadores);

--
-- TOC entry 4577 (class 2606 OID 184322)
-- Name: munic_x_classe_patrim_arqueol_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_patrim_arqueol
    ADD CONSTRAINT munic_x_classe_patrim_arqueol_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepatriमारqueol);

--
-- TOC entry 4569 (class 2606 OID 184274)
-- Name: munic_x_classe_patrim_imaterial_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_patrim_imaterial
    ADD CONSTRAINT munic_x_classe_patrim_imaterial_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepatriमimaterial);

--
-- TOC entry 4573 (class 2606 OID 184298)
-- Name: munic_x_classe_patrim_material_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_patrim_material
    ADD CONSTRAINT munic_x_classe_patrim_material_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepatriमmaterial);

```

```

--
-- TOC entry 4879 (class 2606 OID 240787)
-- Name: munic_x_classe_phm_monum_historico_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_phm_monum_historico
    ADD CONSTRAINT munic_x_classe_phm_monum_historico_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepmmmonumhistorico);

--
-- TOC entry 4875 (class 2606 OID 240763)
-- Name: munic_x_classe_phm_nucleo_historico_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_phm_nucleo_historico
    ADD CONSTRAINT munic_x_classe_phm_nucleo_historico_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepmmnucleohistorico);

--
-- TOC entry 4891 (class 2606 OID 240856)
-- Name: munic_x_classe_pi_comunid_autentica_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_pi_comunid_autentica
    ADD CONSTRAINT munic_x_classe_pi_comunid_autentica_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepicomunidaautentica);

--
-- TOC entry 4895 (class 2606 OID 240879)
-- Name: munic_x_classe_pi_comunid_etnica_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_pi_comunid_etnica
    ADD CONSTRAINT munic_x_classe_pi_comunid_etnica_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepicomunidetnica);

--
-- TOC entry 4899 (class 2606 OID 240902)
-- Name: munic_x_classe_pi_manifest_artistica_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_pi_manifest_artistica
    ADD CONSTRAINT munic_x_classe_pi_manifest_artistica_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepimanifestartistica);

--
-- TOC entry 4939 (class 2606 OID 241422)
-- Name: munic_x_classe_pl_vulnerab_social_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_classe_pl_vulnerab_social
    ADD CONSTRAINT munic_x_classe_pl_vulnerab_social_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepplvulnerabsocial);

--
-- TOC entry 4855 (class 2606 OID 240647)

```

```
-- Name: munic_x_classe_pn_conj_geogr_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_conj_geogr
    ADD CONSTRAINT munic_x_classe_pn_conj_geogr_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepncnjgeogr);
```

```
--
-- TOC entry 4859 (class 2606 OID 240670)
-- Name: munic_x_classe_pn_conj_nat_integ_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_conj_nat_integ
    ADD CONSTRAINT munic_x_classe_pn_conj_nat_integ_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepncnjnatinteg);
```

```
--
-- TOC entry 4863 (class 2606 OID 240693)
-- Name: munic_x_classe_pn_ecossistema_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_ecossistema
    ADD CONSTRAINT munic_x_classe_pn_ecossistema_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepnecosystema);
```

```
--
-- TOC entry 4867 (class 2606 OID 240716)
-- Name: munic_x_classe_pn_paisagem_costeira_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_paisagem_costeira
    ADD CONSTRAINT munic_x_classe_pn_paisagem_costeira_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepnpaisagemcosteira);
```

```
--
-- TOC entry 4871 (class 2606 OID 240739)
-- Name: munic_x_classe_pn_sistema_hidrografico_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_sistema_hidrografico
    ADD CONSTRAINT munic_x_classe_pn_sistema_hidrografico_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepnsistemahidrografico);
```

```
--
-- TOC entry 4883 (class 2606 OID 240810)
-- Name: munic_x_classe_pne_patrim_espeleologico_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY munic_x_classe_pne_patrim_espeleologico
    ADD CONSTRAINT munic_x_classe_pne_patrim_espeleologico_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassepnepatrimesperleologico);
```

```
--
-- TOC entry 4887 (class 2606 OID 240833)
-- Name: munic_x_classe_pne_recurso_hidrotermico_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--
```

```
ALTER TABLE ONLY munic_x_classe_pne_recurso_hidrotermico
    ADD CONSTRAINT munic_x_classe_pne_recurso_hidrotermico_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassespnerecursohidrotermico);
```

```
--
-- TOC entry 4799 (class 2606 OID 237451)
-- Name: munic_x_classe_silvicultura_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
```

```
ALTER TABLE ONLY munic_x_classe_silvicultura
    ADD CONSTRAINT munic_x_classe_silvicultura_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassesilvicultura);
```

```
--
-- TOC entry 4803 (class 2606 OID 237474)
-- Name: munic_x_classe_sisal_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
```

```
ALTER TABLE ONLY munic_x_classe_sisal
    ADD CONSTRAINT munic_x_classe_sisal_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassesisal);
```

```
--
-- TOC entry 4943 (class 2606 OID 241445)
-- Name: munic_x_classe_sistemas_sociais_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
```

```
ALTER TABLE ONLY munic_x_classe_sistemas_sociais
    ADD CONSTRAINT munic_x_classe_sistemas_sociais_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassesistemassociais);
```

```
--
-- TOC entry 4807 (class 2606 OID 237497)
-- Name: munic_x_classe_soja_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
```

```
ALTER TABLE ONLY munic_x_classe_soja
    ADD CONSTRAINT munic_x_classe_soja_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassesoja);
```

```
--
-- TOC entry 4931 (class 2606 OID 241100)
-- Name: munic_x_classe_sustentab_socioecon_local_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
```

```
ALTER TABLE ONLY munic_x_classe_sustentab_socioecon_local
    ADD CONSTRAINT munic_x_classe_sustentab_socioecon_local_pkey PRIMARY KEY
    (geocodigomunicipio, codigoclassesustentabsocioeconlocal);
```

```
--
-- TOC entry 4935 (class 2606 OID 241123)
-- Name: munic_x_classe_sustentab_socioecon_regional_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
```

```
ALTER TABLE ONLY munic_x_classe_sustentab_socioecon_regional
    ADD CONSTRAINT munic_x_classe_sustentab_socioecon_regional_pkey PRIMARY
KEY (geocodigomunicipio, codigoclassesustentabsocioeconregional);
```



```

--
-- TOC entry 4947 (class 2606 OID 241478)
-- Name: munic_x_classe_tic_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY munic_x_classe_tic
    ADD CONSTRAINT munic_x_classe_tic_pkey PRIMARY KEY (geocodigomunicipio,
codigoclassetic);

--
-- TOC entry 4693 (class 2606 OID 236461)
-- Name: munic_x_corpo_dagua_marinho_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_corpo_dagua_marinho
    ADD CONSTRAINT munic_x_corpo_dagua_marinho_pkey PRIMARY KEY
(geocodigomunicipio, identificadorcorpodaguamarinho);

--
-- TOC entry 4701 (class 2606 OID 236591)
-- Name: munic_x_fonte_potenc_energia_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_fonte_potenc_energia
    ADD CONSTRAINT munic_x_fonte_potenc_energia_pkey PRIMARY KEY
(geocodigomunicipio, codigofontepotencenergia);

--
-- TOC entry 4705 (class 2606 OID 236624)
-- Name: munic_x_fonte_potenc_produc_combust_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY munic_x_fonte_potenc_produc_combust
    ADD CONSTRAINT munic_x_fonte_potenc_produc_combust_pkey PRIMARY KEY
(geocodigomunicipio, codigofontepotencproduccombust);

--
-- TOC entry 4542 (class 2606 OID 183955)
-- Name: municipio_geocodigo_key; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_geocodigo_key UNIQUE (geocodigo);

--
-- TOC entry 4544 (class 2606 OID 182516)
-- Name: municipio_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_pkey PRIMARY KEY (gid);

--
-- TOC entry 4579 (class 2606 OID 184520)
-- Name: pasto_quilombolas_pescadores_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:

```

```

--
ALTER TABLE ONLY pasto_quilombolas_pescadores
ADD CONSTRAINT pasto_quilombolas_pescadores_pkey PRIMARY KEY
(geocodigomunicípio);

--
-- TOC entry 4595 (class 2606 OID 189978)
-- Name: poligono_up_identificador_key; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY poligono_up
ADD CONSTRAINT poligono_up_identificador_key UNIQUE (identificador);

--
-- TOC entry 4586 (class 2606 OID 186142)
-- Name: poligono_utb_identificador_key; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY poligono_utb
ADD CONSTRAINT poligono_utb_identificador_key UNIQUE (identificador);

--
-- TOC entry 5041 (class 2606 OID 277929)
-- Name: poligutb_x_classe_vulner_erosao_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY poligutb_x_classe_vulner_erosao
ADD CONSTRAINT poligutb_x_classe_vulner_erosao_pkey PRIMARY KEY
(identificadorpoligonoutb, codigoclassevulnererosao);

--
-- TOC entry 4607 (class 2606 OID 210410)
-- Name: popul_n_atend_esgoto_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY popul_n_atend_esgoto
ADD CONSTRAINT popul_n_atend_esgoto_pkey PRIMARY KEY (geocodigomunicípio);

--
-- TOC entry 4711 (class 2606 OID 236923)
-- Name: porte_município_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY porte_município
ADD CONSTRAINT porte_município_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4554 (class 2606 OID 183926)
-- Name: regio administrativa_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY regio administrativa
ADD CONSTRAINT regio administrativa_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4552 (class 2606 OID 183921)

```

```

-- Name: regio_economica_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY regio_economica
    ADD CONSTRAINT regio_economica_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4615 (class 2606 OID 210460)
-- Name: sede_x_numero_veiculos_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY sede_x_numero_veiculos
    ADD CONSTRAINT sede_x_numero_veiculos_pkey PRIMARY KEY
    (geocodigomunicipio);

--
-- TOC entry 4613 (class 2606 OID 210440)
-- Name: sede_x_tipos_disposic_residuo_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY sede_x_tipos_disposic_residuo
    ADD CONSTRAINT sede_x_tipos_disposic_residuo_pkey PRIMARY KEY
    (geocodigomunicipio, identificadortipodisposicao);

--
-- TOC entry 4538 (class 2606 OID 16754)
-- Name: spatial_ref_sys_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY spatial_ref_sys
    ADD CONSTRAINT spatial_ref_sys_pkey PRIMARY KEY (srid);

--
-- TOC entry 4547 (class 2606 OID 183953)
-- Name: territorio_identidade_codigo_key; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY territorio_identidade
    ADD CONSTRAINT territorio_identidade_codigo_key UNIQUE (codigo);

--
-- TOC entry 4549 (class 2606 OID 183465)
-- Name: territorio_identidade_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY territorio_identidade
    ADD CONSTRAINT territorio_identidade_pkey PRIMARY KEY (gid);

--
-- TOC entry 5008 (class 2606 OID 257043)
-- Name: ti_x_classe_cadeia_producao_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_cadeia_producao
    ADD CONSTRAINT ti_x_classe_cadeia_producao_pkey PRIMARY KEY (codigoti,
    codigoclassecadeiaproducao);

```

```

--
-- TOC entry 5012 (class 2606 OID 257066)
-- Name: ti_x_classe_distrito_industrial_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_distrito_industrial
    ADD CONSTRAINT ti_x_classe_distrito_industrial_pkey PRIMARY KEY (codigoti,
codigoclassedistritoindustrial);

--
-- TOC entry 4843 (class 2606 OID 239458)
-- Name: ti_x_classe_investim_privados_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_investim_privados
    ADD CONSTRAINT ti_x_classe_investim_privados_pkey PRIMARY KEY (codigoti,
codigoclasseinvestimprivados);

--
-- TOC entry 4839 (class 2606 OID 239435)
-- Name: ti_x_classe_partic_colegiados_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_partic_colegiados
    ADD CONSTRAINT ti_x_classe_partic_colegiados_pkey PRIMARY KEY (codigoti,
codigoclasseparticcolegiados);

--
-- TOC entry 4851 (class 2606 OID 239504)
-- Name: ti_x_classe_politicas_estaduais_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_politicas_estaduais
    ADD CONSTRAINT ti_x_classe_politicas_estaduais_pkey PRIMARY KEY (codigoti,
codigoclassepoliticasestaduais);

--
-- TOC entry 4847 (class 2606 OID 239481)
-- Name: ti_x_classe_politicas_federais_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_politicas_federais
    ADD CONSTRAINT ti_x_classe_politicas_federais_pkey PRIMARY KEY (codigoti,
codigoclassepoliticasfederais);

--
-- TOC entry 4831 (class 2606 OID 239389)
-- Name: ti_x_classe_presenca_instituicoes_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_presenca_instituicoes
    ADD CONSTRAINT ti_x_classe_presenca_instituicoes_pkey PRIMARY KEY
(codigoti, codigoclassepresencainstituicoes);

--
-- TOC entry 4835 (class 2606 OID 239412)

```

```

-- Name: ti_x_classe_sist_gestao_ambient_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ti_x_classe_sist_gestao_ambient
    ADD CONSTRAINT ti_x_classe_sist_gestao_ambient_pkey PRIMARY KEY (codigoti,
codigoclassesistgestaoambient);

--
-- TOC entry 4709 (class 2606 OID 236918)
-- Name: tipo_concentracao_pib_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY tipo_concentracao_pib
    ADD CONSTRAINT tipo_concentracao_pib_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4611 (class 2606 OID 210430)
-- Name: tipo_disposic_residuo_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY tipo_disposic_residuo
    ADD CONSTRAINT tipo_disposic_residuo_pkey PRIMARY KEY (identificador);

--
-- TOC entry 4713 (class 2606 OID 236928)
-- Name: tipo_predominancia_popul_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY tipo_predominancia_popul
    ADD CONSTRAINT tipo_predominancia_popul_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4715 (class 2606 OID 236933)
-- Name: tipo_tendencia_popul_pkey; Type: CONSTRAINT; Schema: public; Owner: -
; Tablespace:
--

ALTER TABLE ONLY tipo_tendencia_popul
    ADD CONSTRAINT tipo_tendencia_popul_pkey PRIMARY KEY (codigo);

--
-- TOC entry 4681 (class 2606 OID 235251)
-- Name: ub_x_classe_conserv_aguas_sup_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY ub_x_classe_conserv_aguas_sup
    ADD CONSTRAINT ub_x_classe_conserv_aguas_sup_pkey PRIMARY KEY
(codigounidadebalanco, codigoclasseconservacaoaguassuperficiais);

--
-- TOC entry 4669 (class 2606 OID 235182)
-- Name: ub_x_classe_disp_hidrica_superf_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ub_x_classe_disp_hidrica_superf
    ADD CONSTRAINT ub_x_classe_disp_hidrica_superf_pkey PRIMARY KEY
(codigounidadebalanco, codigoclassedisponibilidadehidricasuperficial);

```

```

--
-- TOC entry 4677 (class 2606 OID 235228)
-- Name: ub_x_classe_qualid_aguas_superf_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ub_x_classe_qualid_aguas_superf
    ADD CONSTRAINT ub_x_classe_qualid_aguas_superf_pkey PRIMARY KEY
(codigounidadebalanco, codigoclassequalidadeaguassuperficiais);

--
-- TOC entry 4673 (class 2606 OID 235205)
-- Name: ub_x_classe_salin_aguas_superf_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY ub_x_classe_salin_aguas_superf
    ADD CONSTRAINT ub_x_classe_salin_aguas_superf_pkey PRIMARY KEY
(codigounidadebalanco, codigoclassesalinizacaoaguassuperficiais);

--
-- TOC entry 5045 (class 2606 OID 277954)
-- Name: ub_x_classe_vulner_rh_superf_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY ub_x_classe_vulner_rh_superf
    ADD CONSTRAINT ub_x_classe_vulner_rh_superf_pkey PRIMARY KEY (codigoub,
codigoclassevulnerrhsuperf);

--
-- TOC entry 4600 (class 2606 OID 189959)
-- Name: unidade_paisagem_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY unidade_paisagem
    ADD CONSTRAINT unidade_paisagem_pkey PRIMARY KEY (identificador);

--
-- TOC entry 4593 (class 2606 OID 186130)
-- Name: utb_pkey; Type: CONSTRAINT; Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY utb
    ADD CONSTRAINT utb_pkey PRIMARY KEY (identificador);

--
-- TOC entry 4719 (class 2606 OID 236943)
-- Name: vulnerab_social_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_pkey PRIMARY KEY (geocodigomunicipio);

--
-- TOC entry 4583 (class 2606 OID 184851)
-- Name: zee_areas_conservacao_2013_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY area_conservacao

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```

        ADD CONSTRAINT zee_areas_conservacao_2013_pkey PRIMARY KEY (gid);

--
-- TOC entry 4602 (class 2606 OID 200207)
-- Name: zee_qab_2013_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY qab
    ADD CONSTRAINT zee_qab_2013_pkey PRIMARY KEY (gid);

--
-- TOC entry 4650 (class 2606 OID 228491)
-- Name: zee_recurso_hidrico_subterraneo_2013_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY poligono_rh_subterraneo
    ADD CONSTRAINT zee_recurso_hidrico_subterraneo_2013_pkey PRIMARY KEY
(gid);

--
-- TOC entry 4597 (class 2606 OID 186211)
-- Name: zee_unidades_de_paisagem_082013_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY poligono_up
    ADD CONSTRAINT zee_unidades_de_paisagem_082013_pkey PRIMARY KEY (gid);

--
-- TOC entry 4588 (class 2606 OID 185112)
-- Name: zee_utb_2013_sig_pkey; Type: CONSTRAINT; Schema: public; Owner: -;
Tablespace:
--

ALTER TABLE ONLY poligono_utb
    ADD CONSTRAINT zee_utb_2013_sig_pkey PRIMARY KEY (gid);

--
-- TOC entry 4617 (class 2606 OID 210480)
-- Name: zee_vulnerabilidade_biodiversidade_2013_pkey; Type: CONSTRAINT;
Schema: public; Owner: -; Tablespace:
--

ALTER TABLE ONLY vulnerab_biodivers
    ADD CONSTRAINT zee_vulnerabilidade_biodiversidade_2013_pkey PRIMARY KEY
(gid);

--
-- TOC entry 5004 (class 2606 OID 242865)
-- Name: zim_x_classe_zim_energetico_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY zim_x_classe_zim_energetico
    ADD CONSTRAINT zim_x_classe_zim_energetico_pkey PRIMARY KEY
(identificadorzim, codigoclassezimenergetico);

--
-- TOC entry 5000 (class 2606 OID 242842)

```

```

-- Name: zim_x_classe_zim_gema_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY zim_x_classe_zim_gema
    ADD CONSTRAINT zim_x_classe_zim_gema_pkey PRIMARY KEY (identificadorzim,
codigoclassezimgema);

--
-- TOC entry 4996 (class 2606 OID 242819)
-- Name: zim_x_classe_zim_metalico_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY zim_x_classe_zim_metalico
    ADD CONSTRAINT zim_x_classe_zim_metalico_pkey PRIMARY KEY
(identificadorzim, codigoclassezimmetalico);

--
-- TOC entry 4992 (class 2606 OID 242796)
-- Name: zim_x_classe_zim_ao_metalico_pkey; Type: CONSTRAINT; Schema: public;
Owner: -; Tablespace:
--

ALTER TABLE ONLY zim_x_classe_zim_ao_metalico
    ADD CONSTRAINT zim_x_classe_zim_ao_metalico_pkey PRIMARY KEY
(identificadorzim, codigoclassezimnaometalico);

--
-- TOC entry 4985 (class 2606 OID 242630)
-- Name: zona_interesse_mineral_identificador_key; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY zona_interesse_mineral
    ADD CONSTRAINT zona_interesse_mineral_identificador_key UNIQUE
(identificador);

--
-- TOC entry 4987 (class 2606 OID 241807)
-- Name: zona_interesse_mineral_pkey; Type: CONSTRAINT; Schema: public; Owner:
-; Tablespace:
--

ALTER TABLE ONLY zona_interesse_mineral
    ADD CONSTRAINT zona_interesse_mineral_pkey PRIMARY KEY (gid);

--
-- TOC entry 4581 (class 2606 OID 184729)
-- Name: zoneamento_ecologico_economico_pkey; Type: CONSTRAINT; Schema:
public; Owner: -; Tablespace:
--

ALTER TABLE ONLY zoneamento_ecologico_economico
    ADD CONSTRAINT zoneamento_ecologico_economico_pkey PRIMARY KEY (numero);

--
-- TOC entry 5021 (class 1259 OID 266504)
-- Name: aptidao_agricola_the_geom_gist; Type: INDEX; Schema: public; Owner: -
; Tablespace:
--

CREATE INDEX aptidao_agricola_the_geom_gist ON aptidao_agricola USING gist
(the_geom);

```



```

--
-- TOC entry 4812 (class 1259 OID 238766)
-- Name: gargalos_aeroporto_the_geom_gist; Type: INDEX; Schema: public; Owner:
-; Tablespace:
--

CREATE INDEX gargalos_aeroporto_the_geom_gist ON gargalos_aeroporto USING gist
(the_geom);

--
-- TOC entry 4817 (class 1259 OID 238784)
-- Name: gargalos_limite_costeiro_the_geom_gist; Type: INDEX; Schema: public;
Owner: -; Tablespace:
--

CREATE INDEX gargalos_limite_costeiro_the_geom_gist ON
gargalos_limite_costeiro USING gist (the_geom);

--
-- TOC entry 4822 (class 1259 OID 238800)
-- Name: gargalos_porto_the_geom_gist; Type: INDEX; Schema: public; Owner: -;
Tablespace:
--

CREATE INDEX gargalos_porto_the_geom_gist ON gargalos_porto USING gist
(the_geom);

--
-- TOC entry 4827 (class 1259 OID 238942)
-- Name: gargalos_sistema_transporte_the_geom_gist; Type: INDEX; Schema:
public; Owner: -; Tablespace:
--

CREATE INDEX gargalos_sistema_transporte_the_geom_gist ON
gargalos_sistema_transporte USING gist (the_geom);

--
-- TOC entry 4565 (class 1259 OID 184247)
-- Name: macro_regiao_the_geom_gist; Type: INDEX; Schema: public; Owner: -;
Tablespace:
--

CREATE INDEX macro_regiao_the_geom_gist ON macro_regiao USING gist (the_geom);

--
-- TOC entry 4545 (class 1259 OID 183454)
-- Name: municipio_the_geom_gist; Type: INDEX; Schema: public; Owner: -;
Tablespace:
--

CREATE INDEX municipio_the_geom_gist ON municipio USING gist (the_geom);

--
-- TOC entry 4550 (class 1259 OID 183508)
-- Name: territorio_identidade_the_geom_gist; Type: INDEX; Schema: public;
Owner: -; Tablespace:
--

CREATE INDEX territorio_identidade_the_geom_gist ON territorio_identidade
USING gist (the_geom);

```

```

--
-- TOC entry 4584 (class 1259 OID 185099)
-- Name: zee_areas_conservacao_2013_the_geom_gist; Type: INDEX; Schema:
public; Owner: -; Tablespace:
--

CREATE INDEX zee_areas_conservacao_2013_the_geom_gist ON area_conservacao
USING gist (the_geom);

--
-- TOC entry 4603 (class 1259 OID 210390)
-- Name: zee_qab_2013_the_geom_gist; Type: INDEX; Schema: public; Owner: -;
Tablespace:
--

CREATE INDEX zee_qab_2013_the_geom_gist ON qab USING gist (the_geom);

--
-- TOC entry 4651 (class 1259 OID 234819)
-- Name: zee_recurso_hidrico_subterraneo_2013_the_geom_gist; Type: INDEX;
Schema: public; Owner: -; Tablespace:
--

CREATE INDEX zee_recurso_hidrico_subterraneo_2013_the_geom_gist ON
poligono_rh_subterraneo USING gist (the_geom);

--
-- TOC entry 4598 (class 1259 OID 189946)
-- Name: zee_unidades_de_paisagem_082013_the_geom_gist; Type: INDEX; Schema:
public; Owner: -; Tablespace:
--

CREATE INDEX zee_unidades_de_paisagem_082013_the_geom_gist ON poligono_up
USING gist (the_geom);

--
-- TOC entry 4589 (class 1259 OID 186117)
-- Name: zee_utb_2013_sig_the_geom_gist; Type: INDEX; Schema: public; Owner: -
; Tablespace:
--

CREATE INDEX zee_utb_2013_sig_the_geom_gist ON poligono_utb USING gist
(the_geom);

--
-- TOC entry 4618 (class 1259 OID 222246)
-- Name: zee_vulnerabilidade_biodiversidade_2013_the_geom_gist; Type: INDEX;
Schema: public; Owner: -; Tablespace:
--

CREATE INDEX zee_vulnerabilidade_biodiversidade_2013_the_geom_gist ON
vulnerab_biodivers USING gist (the_geom);

--
-- TOC entry 4988 (class 1259 OID 242627)
-- Name: zona_interesse_mineral_the_geom_gist; Type: INDEX; Schema: public;
Owner: -; Tablespace:
--

CREATE INDEX zona_interesse_mineral_the_geom_gist ON zona_interesse_mineral
USING gist (the_geom);

--
-- TOC entry 5245 (class 2606 OID 277734)

```

```

-- Name: aptidao_agricola_x_classe_terra_ativ_agricola_codigoclasseterra;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_ativ_agricola
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_ativ_agricola_codigoclasseterra FOREIGN KEY
(codigoclasseterraativagricola) REFERENCES classe_terra_ativ_agricola(codigo);

--
-- TOC entry 5244 (class 2606 OID 277729)
-- Name: aptidao_agricola_x_classe_terra_ativ_agricola_identificadorapti;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_ativ_agricola
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_ativ_agricola_identificadorapti FOREIGN KEY
(identificadoraptidaoagricola) REFERENCES aptidao_agricola(identificador);

--
-- TOC entry 5251 (class 2606 OID 277818)
-- Name: aptidao_agricola_x_classe_terra_ao_indicada_codigoclasseterra;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_ao_indicada
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_ao_indicada_codigoclasseterra FOREIGN KEY
(codigoclasseterraaoindicada) REFERENCES classe_terra_ao_indicada(codigo);

--
-- TOC entry 5250 (class 2606 OID 277813)
-- Name: aptidao_agricola_x_classe_terra_ao_indicada_identificadoraptid;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_ao_indicada
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_ao_indicada_identificadoraptid FOREIGN KEY
(identificadoraptidaoagricola) REFERENCES aptidao_agricola(identificador);

--
-- TOC entry 5249 (class 2606 OID 277790)
-- Name: aptidao_agricola_x_classe_terra_pasto_natural_codigoclasseterra;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_pasto_natural
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_pasto_natural_codigoclasseterra FOREIGN KEY
(codigoclasseterrapastonatural) REFERENCES classe_terra_pasto_natural(codigo);

--
-- TOC entry 5248 (class 2606 OID 277785)
-- Name: aptidao_agricola_x_classe_terra_pasto_natural_identificadorapti;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_pasto_natural
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_pasto_natural_identificadorapti FOREIGN KEY
(identificadoraptidaoagricola) REFERENCES aptidao_agricola(identificador);

```

```

--
-- TOC entry 5247 (class 2606 OID 277762)
-- Name: aptidao_agricola_x_classe_terra_pasto_plantado_codigoclasseterr;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_pasto_plantado
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_pasto_plantado_codigoclasseterr FOREIGN KEY
(codigoclasseterrapastoplantado) REFERENCES classe_terra_pasto_plantado(codigo);

--
-- TOC entry 5246 (class 2606 OID 277757)
-- Name: aptidao_agricola_x_classe_terra_pasto_plantado_identificadorapt;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY aptidao_agricola_x_classe_terra_pasto_plantado
ADD CONSTRAINT
aptidao_agricola_x_classe_terra_pasto_plantado_identificadorapt FOREIGN KEY
(identificadoraptidaoagricola) REFERENCES aptidao_agricola(identificador);

--
-- TOC entry 5061 (class 2606 OID 223494)
-- Name: area_conservacao_codigoclasse_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY area_conservacao
ADD CONSTRAINT area_conservacao_codigoclasse_fkey FOREIGN KEY
(codigoclasse) REFERENCES classe_area_conservacao(codigo);

--
-- TOC entry 5078 (class 2606 OID 234902)
-- Name: dsmr_x_classe_conserv_aguas_subter_codigoclasseconservaguassubt;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY dsmr_x_classe_conserv_aguas_subter
ADD CONSTRAINT
dsmr_x_classe_conserv_aguas_subter_codigoclasseconservaguassubt FOREIGN KEY
(codigoclasseconservaguassubter) REFERENCES
classe_conserv_aguas_subterraneas(codigo);

--
-- TOC entry 5077 (class 2606 OID 234897)
-- Name: dsmr_x_classe_conserv_aguas_subter_codigodsmr_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY dsmr_x_classe_conserv_aguas_subter
ADD CONSTRAINT dsmr_x_classe_conserv_aguas_subter_codigodsmr_fkey FOREIGN
KEY (codigodsmr) REFERENCES dsmr(codigo);

--
-- TOC entry 5074 (class 2606 OID 234856)
-- Name: dsmr_x_classe_disp_hidr_subter_codigoclassedisphidrsubter_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY dsmr_x_classe_disp_hidr_subter
ADD CONSTRAINT
dsmr_x_classe_disp_hidr_subter_codigoclassedisphidrsubter_fkey FOREIGN KEY
(codigoclassedisphidrsubter) REFERENCES classe_disponib_hidrica_subterranea(codigo);

```

```

--
-- TOC entry 5073 (class 2606 OID 234851)
-- Name: dsmr_x_classe_disp_hidr_subter_codigodsmr_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY dsmr_x_classe_disp_hidr_subter
    ADD CONSTRAINT dsmr_x_classe_disp_hidr_subter_codigodsmr_fkey FOREIGN KEY
(codigodsmr) REFERENCES dsmr(codigo);

--
-- TOC entry 5076 (class 2606 OID 234879)
-- Name: dsmr_x_classe_qualid_aguas_subter_codigoclassequalidaguassubter;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY dsmr_x_classe_qualid_aguas_subter
    ADD CONSTRAINT
dsmr_x_classe_qualid_aguas_subter_codigoclassequalidaguassubter FOREIGN KEY
(codigoclassequalidaguassubter) REFERENCES classe_qualid_aguas_subterraneas(codigo);

--
-- TOC entry 5075 (class 2606 OID 234874)
-- Name: dsmr_x_classe_qualid_aguas_subter_codigodsmr_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY dsmr_x_classe_qualid_aguas_subter
    ADD CONSTRAINT dsmr_x_classe_qualid_aguas_subter_codigodsmr_fkey FOREIGN
KEY (codigodsmr) REFERENCES dsmr(codigo);

--
-- TOC entry 5215 (class 2606 OID 241530)
-- Name: gargalo_x_classe_corredor_ns_inter_codigoclassecorredornsinter_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_inter
    ADD CONSTRAINT
gargalo_x_classe_corredor_ns_inter_codigoclassecorredornsinter_ FOREIGN KEY
(codigoclassecorredornsinter) REFERENCES classe_corredor_ns_inter(codigo);

--
-- TOC entry 5214 (class 2606 OID 241525)
-- Name: gargalo_x_classe_corredor_ns_inter_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_inter
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_inter_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES
gargalos_sistema_transporte(identificador);

--
-- TOC entry 5217 (class 2606 OID 241553)
-- Name: gargalo_x_classe_corredor_ns_interp_codigoclassecorredornsinter;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_interp
    ADD CONSTRAINT
gargalo_x_classe_corredor_ns_interp_codigoclassecorredornsinter FOREIGN KEY
(codigoclassecorredornsinterp) REFERENCES classe_corredor_ns_interp(codigo);

```

```
--
-- TOC entry 5216 (class 2606 OID 241548)
-- Name: gargalo_x_classe_corredor_ns_interp_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_corredor_ns_interp
  ADD CONSTRAINT gargalo_x_classe_corredor_ns_interp_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES gargalos_porto(identificador);
```

```
--
-- TOC entry 5213 (class 2606 OID 241507)
-- Name: gargalo_x_classe_corredor_ns_litor_codigoclassecorredornslitor_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_corredor_ns_litor
  ADD CONSTRAINT
gargalo_x_classe_corredor_ns_litor_codigoclassecorredornslitor FOREIGN KEY
(codigoclassecorredornslitor) REFERENCES classe_corredor_ns_litor(codigo);
```

```
--
-- TOC entry 5212 (class 2606 OID 241502)
-- Name: gargalo_x_classe_corredor_ns_litor_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_corredor_ns_litor
  ADD CONSTRAINT gargalo_x_classe_corredor_ns_litor_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES
gargalos_sistema_transporte(identificador);
```

```
--
-- TOC entry 5225 (class 2606 OID 241645)
-- Name: gargalo_x_classe_corredor_ns_marit_codigoclassecorredornsmarit_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_corredor_ns_marit
  ADD CONSTRAINT
gargalo_x_classe_corredor_ns_marit_codigoclassecorredornsmarit FOREIGN KEY
(codigoclassecorredornsmarit) REFERENCES classe_corredor_ns_marit(codigo);
```

```
--
-- TOC entry 5224 (class 2606 OID 241640)
-- Name: gargalo_x_classe_corredor_ns_marit_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_corredor_ns_marit
  ADD CONSTRAINT gargalo_x_classe_corredor_ns_marit_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES gargalos_limite_costeiro(identificador);
```

```
--
-- TOC entry 5227 (class 2606 OID 241668)
-- Name: gargalo_x_classe_corredor_ns_maritp_codigoclassecorredornsmaritp;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_corredor_ns_maritp
  ADD CONSTRAINT
gargalo_x_classe_corredor_ns_maritp_codigoclassecorredornsmaritp FOREIGN KEY
(codigoclassecorredornsmaritp) REFERENCES classe_corredor_ns_maritp(codigo);
```

```

--
-- TOC entry 5226 (class 2606 OID 241663)
-- Name: gargalo_x_classe_corredor_ns_maritp_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_maritp
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_maritp_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES gargalos_porto(identificador);

--
-- TOC entry 5219 (class 2606 OID 241576)
-- Name: gargalo_x_classe_corredor_ns_oeste_codigoclassecorredornsoeste_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_oeste
    ADD CONSTRAINT
gargalo_x_classe_corredor_ns_oeste_codigoclassecorredornsoeste_ FOREIGN KEY
(codigoclassecorredornsoeste) REFERENCES classe_corredor_ns_oeste(codigo);

--
-- TOC entry 5218 (class 2606 OID 241571)
-- Name: gargalo_x_classe_corredor_ns_oeste_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_ns_oeste
    ADD CONSTRAINT gargalo_x_classe_corredor_ns_oeste_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES gargalos_porto(identificador);

--
-- TOC entry 5223 (class 2606 OID 241622)
-- Name: gargalo_x_classe_corredor_transv_n_codigoclassecorredortransv_n_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_transv_n
    ADD CONSTRAINT
gargalo_x_classe_corredor_transv_n_codigoclassecorredortransv_n_ FOREIGN KEY
(codigoclassecorredortransv_n) REFERENCES classe_corredor_transv_n(codigo);

--
-- TOC entry 5222 (class 2606 OID 241617)
-- Name: gargalo_x_classe_corredor_transv_n_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_transv_n
    ADD CONSTRAINT gargalo_x_classe_corredor_transv_n_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES
gargalos_sistema_transporte(identificador);

--
-- TOC entry 5221 (class 2606 OID 241599)
-- Name: gargalo_x_classe_corredor_transv_ol_codigoclassecorredortransvo;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY gargalo_x_classe_corredor_transv_ol
    ADD CONSTRAINT
gargalo_x_classe_corredor_transv_ol_codigoclassecorredortransvo FOREIGN KEY
(codigoclassecorredortransvol) REFERENCES classe_corredor_transv_ol(codigo);

```

```
--
-- TOC entry 5220 (class 2606 OID 241594)
-- Name: gargalo_x_classe_corredor_transv_ol_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_corredor_transv_ol
    ADD CONSTRAINT gargalo_x_classe_corredor_transv_ol_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES
gargalos_sistema_transporte(identificador);
```

```
--
-- TOC entry 5229 (class 2606 OID 241691)
-- Name: gargalo_x_classe_transp_aeroviario_codigoclasetranspaeroviario;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_transp_aeroviario
    ADD CONSTRAINT
gargalo_x_classe_transp_aeroviario_codigoclasetranspaeroviario FOREIGN KEY
(codigoclasetranspaeroviario) REFERENCES classe_transp_aeroviario(codigo);
```

```
--
-- TOC entry 5228 (class 2606 OID 241686)
-- Name: gargalo_x_classe_transp_aeroviario_identificadoreixo_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY gargalo_x_classe_transp_aeroviario
    ADD CONSTRAINT gargalo_x_classe_transp_aeroviario_identificadoreixo_fkey
FOREIGN KEY (identificadoreixo) REFERENCES gargalos_aeroporto(identificador);
```

```
--
-- TOC entry 5053 (class 2606 OID 183942)
-- Name: micro_regiao_codigomesoregiao_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--
```

```
ALTER TABLE ONLY micro_regiao
    ADD CONSTRAINT micro_regiao_codigomesoregiao_fkey FOREIGN KEY
(codigomesoregiao) REFERENCES meso_regiao(codigo);
```

```
--
-- TOC entry 5109 (class 2606 OID 237020)
-- Name: munic_x_classe_algodao_codigoclassealgodao_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_algodao
    ADD CONSTRAINT munic_x_classe_algodao_codigoclassealgodao_fkey FOREIGN KEY
(codigoclassealgodao) REFERENCES classe_algodao(codigo);
```

```
--
-- TOC entry 5108 (class 2606 OID 237015)
-- Name: munic_x_classe_algodao_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_algodao
    ADD CONSTRAINT munic_x_classe_algodao_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
```



```
-- TOC entry 5111 (class 2606 OID 237043)
-- Name: munic_x_classe_apicultura_codigoclasseapicultura_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_apicultura
    ADD CONSTRAINT munic_x_classe_apicultura_codigoclasseapicultura_fkey
FOREIGN KEY (codigoclasseapicultura) REFERENCES classe_apicultura(codigo);
```

```
--
-- TOC entry 5110 (class 2606 OID 237038)
-- Name: munic_x_classe_apicultura_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_apicultura
    ADD CONSTRAINT munic_x_classe_apicultura_geocodigomunicipio_fkey FOREIGN
KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5094 (class 2606 OID 236490)
-- Name: munic_x_classe_area_viveiro_maricult_codigoclasseareaviveiromar;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_area_viveiro_maricult
    ADD CONSTRAINT
munic_x_classe_area_viveiro_maricult_codigoclasseareaviveiromar FOREIGN KEY
(codigoclasseareaviveiromaricultura) REFERENCES classe_area_viveiro_maricult(codigo);
```

```
--
-- TOC entry 5093 (class 2606 OID 236485)
-- Name: munic_x_classe_area_viveiro_maricult_geocodigomunicipio_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_area_viveiro_maricult
    ADD CONSTRAINT
munic_x_classe_area_viveiro_maricult_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5243 (class 2606 OID 257095)
-- Name: munic_x_classe_arranjo_minerario_codigoclassearranjominerario_f;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_arranjo_minerario
    ADD CONSTRAINT
munic_x_classe_arranjo_minerario_codigoclassearranjominerario_f FOREIGN KEY
(codigoclassearranjominerario) REFERENCES classe_arranjo_minerario(codigo);
```

```
--
-- TOC entry 5242 (class 2606 OID 257090)
-- Name: munic_x_classe_arranjo_minerario_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_arranjo_minerario
    ADD CONSTRAINT munic_x_classe_arranjo_minerario_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
```

```

-- TOC entry 5113 (class 2606 OID 237066)
-- Name: munic_x_classe_avicultura_codigoclasseavicultura_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_avicultura
    ADD CONSTRAINT munic_x_classe_avicultura_codigoclasseavicultura_fkey
FOREIGN KEY (codigoclasseavicultura) REFERENCES classe_avicultura(codigo);

--
-- TOC entry 5112 (class 2606 OID 237061)
-- Name: munic_x_classe_avicultura_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_avicultura
    ADD CONSTRAINT munic_x_classe_avicultura_geocodigomunicipio_fkey FOREIGN
KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5115 (class 2606 OID 237089)
-- Name: munic_x_classe_bovinocultura_codigoclassebovinocultura_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_bovinocultura
    ADD CONSTRAINT munic_x_classe_bovinocultura_codigoclassebovinocultura_fkey
FOREIGN KEY (codigoclassebovinocultura) REFERENCES classe_bovinocultura(codigo);

--
-- TOC entry 5114 (class 2606 OID 237084)
-- Name: munic_x_classe_bovinocultura_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_bovinocultura
    ADD CONSTRAINT munic_x_classe_bovinocultura_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5117 (class 2606 OID 237112)
-- Name: munic_x_classe_cacau_codigoclassecacau_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_cacau
    ADD CONSTRAINT munic_x_classe_cacau_codigoclassecacau_fkey FOREIGN KEY
(codigoclassecacau) REFERENCES classe_cacau(codigo);

--
-- TOC entry 5116 (class 2606 OID 237107)
-- Name: munic_x_classe_cacau_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_cacau
    ADD CONSTRAINT munic_x_classe_cacau_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5119 (class 2606 OID 237135)
-- Name: munic_x_classe_cafe_codigoclassecafe_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

```

```

ALTER TABLE ONLY munic_x_classe_cafe
    ADD CONSTRAINT munic_x_classe_cafe_codigoclassecafe_fkey FOREIGN KEY
(codigoclassecafe) REFERENCES classe_cafe(codigo);

--
-- TOC entry 5118 (class 2606 OID 237130)
-- Name: munic_x_classe_cafe_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_cafe
    ADD CONSTRAINT munic_x_classe_cafe_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5121 (class 2606 OID 237158)
-- Name: munic_x_classe_cana_codigoclassecana_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_cana
    ADD CONSTRAINT munic_x_classe_cana_codigoclassecana_fkey FOREIGN KEY
(codigoclassecana) REFERENCES classe_cana(codigo);

--
-- TOC entry 5120 (class 2606 OID 237153)
-- Name: munic_x_classe_cana_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_cana
    ADD CONSTRAINT munic_x_classe_cana_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5123 (class 2606 OID 237181)
-- Name: munic_x_classe_caprinocultura_codigoclassecaprinocultura_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_caprinocultura
    ADD CONSTRAINT
munic_x_classe_caprinocultura_codigoclassecaprinocultura_fkey FOREIGN KEY
(codigoclassecaprinocultura) REFERENCES classe_caprinocultura(codigo);

--
-- TOC entry 5122 (class 2606 OID 237176)
-- Name: munic_x_classe_caprinocultura_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_caprinocultura
    ADD CONSTRAINT munic_x_classe_caprinocultura_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5125 (class 2606 OID 237204)
-- Name: munic_x_classe_citros_codigoclassecitros_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_citros

```

```

        ADD CONSTRAINT munic_x_classe_citros_codigoclassecitros_fkey FOREIGN KEY
(codigoclassecitros) REFERENCES classe_citros(codigo);

--
-- TOC entry 5124 (class 2606 OID 237199)
-- Name: munic_x_classe_citros_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_citros
        ADD CONSTRAINT munic_x_classe_citros_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5127 (class 2606 OID 237227)
-- Name: munic_x_classe_coco_codigoclassecoco_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_coco
        ADD CONSTRAINT munic_x_classe_coco_codigoclassecoco_fkey FOREIGN KEY
(codigoclassecoco) REFERENCES classe_coco(codigo);

--
-- TOC entry 5126 (class 2606 OID 237222)
-- Name: munic_x_classe_coco_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_coco
        ADD CONSTRAINT munic_x_classe_coco_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5088 (class 2606 OID 236414)
-- Name: munic_x_classe_corpo_dagua_contin_codigoclassecorpodaguacontine;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_corpo_dagua_contin
        ADD CONSTRAINT
munic_x_classe_corpo_dagua_contin_codigoclassecorpodaguacontine FOREIGN KEY
(codigoclassecorpodaguacontinental) REFERENCES classe_corpo_dagua_contin(codigo);

--
-- TOC entry 5087 (class 2606 OID 236409)
-- Name: munic_x_classe_corpo_dagua_contin_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_corpo_dagua_contin
        ADD CONSTRAINT munic_x_classe_corpo_dagua_contin_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5129 (class 2606 OID 237250)
-- Name: munic_x_classe_dende_codigoclassedende_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_dende
        ADD CONSTRAINT munic_x_classe_dende_codigoclassedende_fkey FOREIGN KEY
(codigoclassedende) REFERENCES classe_dende(codigo);

```

```
--
-- TOC entry 5128 (class 2606 OID 237245)
-- Name: munic_x_classe_dende_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_dende
    ADD CONSTRAINT munic_x_classe_dende_geocodigomunicipio_fkey FOREIGN KEY
    (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5131 (class 2606 OID 237273)
-- Name: munic_x_classe_feijao_codigoclassefeijao_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_feijao
    ADD CONSTRAINT munic_x_classe_feijao_codigoclassefeijao_fkey FOREIGN KEY
    (codigoclassefeijao) REFERENCES classe_feijao(codigo);
```

```
--
-- TOC entry 5130 (class 2606 OID 237268)
-- Name: munic_x_classe_feijao_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_feijao
    ADD CONSTRAINT munic_x_classe_feijao_geocodigomunicipio_fkey FOREIGN KEY
    (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5133 (class 2606 OID 237296)
-- Name: munic_x_classe_fruticultura_codigoclassefruticultura_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_fruticultura
    ADD CONSTRAINT munic_x_classe_fruticultura_codigoclassefruticultura_fkey
    FOREIGN KEY (codigoclassefruticultura) REFERENCES classe_fruticultura(codigo);
```

```
--
-- TOC entry 5132 (class 2606 OID 237291)
-- Name: munic_x_classe_fruticultura_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_fruticultura
    ADD CONSTRAINT munic_x_classe_fruticultura_geocodigomunicipio_fkey FOREIGN
    KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5135 (class 2606 OID 237319)
-- Name: munic_x_classe_heveicultura_codigoclasseheveicultura_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_heveicultura
    ADD CONSTRAINT munic_x_classe_heveicultura_codigoclasseheveicultura_fkey
    FOREIGN KEY (codigoclasseheveicultura) REFERENCES classe_heveicultura(codigo);
```

```
--
-- TOC entry 5134 (class 2606 OID 237314)
```

```

-- Name: munic_x_classe_heveicultura_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_heveicultura
    ADD CONSTRAINT munic_x_classe_heveicultura_geocodigomunicipio_fkey FOREIGN
KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5189 (class 2606 OID 240931)
-- Name: munic_x_classe_it_acesso_aeroviario_codigoclasseitacessoaerovia;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_acesso_aeroviario
    ADD CONSTRAINT
munic_x_classe_it_acesso_aeroviario_codigoclasseitacessoaerovia FOREIGN KEY
(codigoclasseitacessoaeroviario) REFERENCES classe_it_acesso_aeroviario(codigo);

--
-- TOC entry 5188 (class 2606 OID 240926)
-- Name: munic_x_classe_it_acesso_aeroviario_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_acesso_aeroviario
    ADD CONSTRAINT munic_x_classe_it_acesso_aeroviario_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5195 (class 2606 OID 241000)
-- Name: munic_x_classe_it_acesso_ferroviano_codigoclasseitacessoferrov;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_acesso_ferroviano
    ADD CONSTRAINT
munic_x_classe_it_acesso_ferroviano_codigoclasseitacessoferrov FOREIGN KEY
(codigoclasseitacessoferroviano) REFERENCES classe_it_acesso_ferroviano(codigo);

--
-- TOC entry 5194 (class 2606 OID 240995)
-- Name: munic_x_classe_it_acesso_ferroviano_geocodigomunicipio_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_acesso_ferroviano
    ADD CONSTRAINT
munic_x_classe_it_acesso_ferroviano_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5191 (class 2606 OID 240954)
-- Name: munic_x_classe_it_acesso_hidroviano_codigoclasseitacessohidrov;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_acesso_hidroviano
    ADD CONSTRAINT
munic_x_classe_it_acesso_hidroviano_codigoclasseitacessohidrov FOREIGN KEY
(codigoclasseitacessohidroviano) REFERENCES classe_it_acesso_hidroviano(codigo);

--
-- TOC entry 5190 (class 2606 OID 240949)

```

```
-- Name: munic_x_classe_it_acesso_hidroviario_geocodigomunicipio_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_it_acesso_hidroviario
ADD CONSTRAINT
munic_x_classe_it_acesso_hidroviario_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5193 (class 2606 OID 240977)
-- Name: munic_x_classe_it_acesso_rodoviario_codigoclasseitacessorodovia;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_it_acesso_rodoviario
ADD CONSTRAINT
munic_x_classe_it_acesso_rodoviario_codigoclasseitacessorodovia FOREIGN KEY
(codigoclasseitacessorodoviario) REFERENCES classe_it_acesso_rodoviario(codigo);
```

```
--
-- TOC entry 5192 (class 2606 OID 240972)
-- Name: munic_x_classe_it_acesso_rodoviario_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_it_acesso_rodoviario
ADD CONSTRAINT munic_x_classe_it_acesso_rodoviario_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5197 (class 2606 OID 241023)
-- Name: munic_x_classe_it_comunicacao_codigoclasseitcomunicacao_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_it_comunicacao
ADD CONSTRAINT
munic_x_classe_it_comunicacao_codigoclasseitcomunicacao_fkey FOREIGN KEY
(codigoclasseitcomunicacao) REFERENCES classe_it_comunicacao(codigo);
```

```
--
-- TOC entry 5196 (class 2606 OID 241018)
-- Name: munic_x_classe_it_comunicacao_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_it_comunicacao
ADD CONSTRAINT munic_x_classe_it_comunicacao_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5199 (class 2606 OID 241046)
-- Name: munic_x_classe_it_infraestr_basica_codigoclasseitinfraestrbasic;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_it_infraestr_basica
ADD CONSTRAINT
munic_x_classe_it_infraestr_basica_codigoclasseitinfraestrbasic FOREIGN KEY
(codigoclasseitinfraestrbasica) REFERENCES classe_it_infraestr_basica(codigo);
```

```
--
```

```

-- TOC entry 5198 (class 2606 OID 241041)
-- Name: munic_x_classe_it_infraestr_basica_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_infraestr_basica
ADD CONSTRAINT munic_x_classe_it_infraestr_basica_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--

-- TOC entry 5201 (class 2606 OID 241083)
-- Name: munic_x_classe_it_infraestr_hoteleira_codigoclasseitinfraestrho;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_infraestr_hoteleira
ADD CONSTRAINT
munic_x_classe_it_infraestr_hoteleira_codigoclasseitinfraestrho FOREIGN KEY
(codigoclasseitinfraestrhoteleira) REFERENCES classe_it_infraestr_hoteleira(codigo);

--

-- TOC entry 5200 (class 2606 OID 241078)
-- Name: munic_x_classe_it_infraestr_hoteleira_geocodigomunicipio_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_it_infraestr_hoteleira
ADD CONSTRAINT
munic_x_classe_it_infraestr_hoteleira_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--

-- TOC entry 5137 (class 2606 OID 237342)
-- Name: munic_x_classe_mamao_codigoclassemamao_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_mamao
ADD CONSTRAINT munic_x_classe_mamao_codigoclassemamao_fkey FOREIGN KEY
(codigoclassemamao) REFERENCES classe_mamao(codigo);

--

-- TOC entry 5136 (class 2606 OID 237337)
-- Name: munic_x_classe_mamao_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_mamao
ADD CONSTRAINT munic_x_classe_mamao_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--

-- TOC entry 5139 (class 2606 OID 237365)
-- Name: munic_x_classe_mamona_codigoclassemamona_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_mamona
ADD CONSTRAINT munic_x_classe_mamona_codigoclassemamona_fkey FOREIGN KEY
(codigoclassemamona) REFERENCES classe_mamona(codigo);

--

-- TOC entry 5138 (class 2606 OID 237360)
-- Name: munic_x_classe_mamona_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -

```



```

--

ALTER TABLE ONLY munic_x_classe_mamona
    ADD CONSTRAINT munic_x_classe_mamona_geocodigomunicipio_fkey FOREIGN KEY
    (geocodigomunicipio) REFERENCES municipio(geocodigo);

--

-- TOC entry 5141 (class 2606 OID 237388)
-- Name: munic_x_classe_mandioca_codigoclassemandioca_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_mandioca
    ADD CONSTRAINT munic_x_classe_mandioca_codigoclassemandioca_fkey FOREIGN
    KEY (codigoclassemandioca) REFERENCES classe_mandioca(codigo);

--

-- TOC entry 5140 (class 2606 OID 237383)
-- Name: munic_x_classe_mandioca_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_mandioca
    ADD CONSTRAINT munic_x_classe_mandioca_geocodigomunicipio_fkey FOREIGN KEY
    (geocodigomunicipio) REFERENCES municipio(geocodigo);

--

-- TOC entry 5143 (class 2606 OID 237411)
-- Name: munic_x_classe_maracuja_codigoclassemaracuja_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_maracuja
    ADD CONSTRAINT munic_x_classe_maracuja_codigoclassemaracuja_fkey FOREIGN
    KEY (codigoclassemaracuja) REFERENCES classe_maracuja(codigo);

--

-- TOC entry 5142 (class 2606 OID 237406)
-- Name: munic_x_classe_maracuja_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_maracuja
    ADD CONSTRAINT munic_x_classe_maracuja_geocodigomunicipio_fkey FOREIGN KEY
    (geocodigomunicipio) REFERENCES municipio(geocodigo);

--

-- TOC entry 5145 (class 2606 OID 237434)
-- Name: munic_x_classe_milho_codigoclassemilho_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_milho
    ADD CONSTRAINT munic_x_classe_milho_codigoclassemilho_fkey FOREIGN KEY
    (codigoclassemilho) REFERENCES classe_milho(codigo);

--

-- TOC entry 5144 (class 2606 OID 237429)
-- Name: munic_x_classe_milho_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_milho

```

```

        ADD CONSTRAINT munic_x_classe_milho_geocodigomunicipio_fkey FOREIGN KEY
        (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5090 (class 2606 OID 236437)
-- Name: munic_x_classe_num_pescadores_codigoclassenumeropescadores_fkey;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_num_pescadores
    ADD CONSTRAINT
munic_x_classe_num_pescadores_codigoclassenumeropescadores_fkey FOREIGN KEY
(codigoclassenumeropescadores) REFERENCES classe_num_pescadores(codigo);

--
-- TOC entry 5089 (class 2606 OID 236432)
-- Name: munic_x_classe_num_pescadores_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_num_pescadores
    ADD CONSTRAINT munic_x_classe_num_pescadores_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5059 (class 2606 OID 184328)
-- Name: munic_x_classe_patrim_arqueol_codigoclassepatrimarqueol_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_patrim_arqueol
    ADD CONSTRAINT
munic_x_classe_patrim_arqueol_codigoclassepatrimarqueol_fkey FOREIGN KEY
(codigoclassepatrimarqueol) REFERENCES classe_patrim_arqueol(codigo);

--
-- TOC entry 5058 (class 2606 OID 184323)
-- Name: munic_x_classe_patrim_arqueol_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_patrim_arqueol
    ADD CONSTRAINT munic_x_classe_patrim_arqueol_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5055 (class 2606 OID 184280)
-- Name: munic_x_classe_patrim_imaterial_codigoclassepatrimimaterial_fke;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_patrim_imaterial
    ADD CONSTRAINT
munic_x_classe_patrim_imaterial_codigoclassepatrimimaterial_fke FOREIGN KEY
(codigoclassepatrimimaterial) REFERENCES classe_patrim_imaterial(codigo);

--
-- TOC entry 5054 (class 2606 OID 184275)
-- Name: munic_x_classe_patrim_imaterial_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_patrim_imaterial
    ADD CONSTRAINT munic_x_classe_patrim_imaterial_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

```

```

--
-- TOC entry 5057 (class 2606 OID 184304)
-- Name: munic_x_classe_patrim_material_codigoclassepattrimmaterial_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_patrim_material
    ADD CONSTRAINT
munic_x_classe_patrim_material_codigoclassepattrimmaterial_fkey FOREIGN KEY
(codigoclassepattrimmaterial) REFERENCES classe_patrim_material(codigo);

--
-- TOC entry 5056 (class 2606 OID 184299)
-- Name: munic_x_classe_patrim_material_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_patrim_material
    ADD CONSTRAINT munic_x_classe_patrim_material_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5177 (class 2606 OID 240793)
-- Name: munic_x_classe_phm_monum_historico_codigoclassephtmmonumhistorico;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_phm_monum_historico
    ADD CONSTRAINT
munic_x_classe_phm_monum_historico_codigoclassephtmmonumhistorico FOREIGN KEY
(codigoclassephtmmonumhistorico) REFERENCES classe_phm_monum_historico(codigo);

--
-- TOC entry 5176 (class 2606 OID 240788)
-- Name: munic_x_classe_phm_monum_historico_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_phm_monum_historico
    ADD CONSTRAINT munic_x_classe_phm_monum_historico_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5175 (class 2606 OID 240769)
-- Name: munic_x_classe_phm_nucleo_historico_codigoclassephtm nucleohistor;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_phm_nucleo_historico
    ADD CONSTRAINT
munic_x_classe_phm_nucleo_historico_codigoclassephtm nucleohistor FOREIGN KEY
(codigoclassephtm nucleohistorico) REFERENCES classe_phm_nucleo_historico(codigo);

--
-- TOC entry 5174 (class 2606 OID 240764)
-- Name: munic_x_classe_phm_nucleo_historico_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_phm_nucleo_historico
    ADD CONSTRAINT munic_x_classe_phm_nucleo_historico_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

```

```

--
-- TOC entry 5183 (class 2606 OID 240862)
-- Name: munic_x_classe_pi_comunid_autentica_codigoclassepicomunidaudent;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_pi_comunid_autentica
ADD CONSTRAINT
munic_x_classe_pi_comunid_autentica_codigoclassepicomunidaudent FOREIGN KEY
(codigoclassepicomunidaudentica) REFERENCES classe_pi_comunid_autentica(codigo);

--
-- TOC entry 5182 (class 2606 OID 240857)
-- Name: munic_x_classe_pi_comunid_autentica_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_pi_comunid_autentica
ADD CONSTRAINT munic_x_classe_pi_comunid_autentica_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5185 (class 2606 OID 240885)
-- Name: munic_x_classe_pi_comunid_etnica_codigoclassepicomunidetnica_fk;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_pi_comunid_etnica
ADD CONSTRAINT
munic_x_classe_pi_comunid_etnica_codigoclassepicomunidetnica_fk FOREIGN KEY
(codigoclassepicomunidetnica) REFERENCES classe_pi_comunid_etnica(codigo);

--
-- TOC entry 5184 (class 2606 OID 240880)
-- Name: munic_x_classe_pi_comunid_etnica_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_pi_comunid_etnica
ADD CONSTRAINT munic_x_classe_pi_comunid_etnica_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5187 (class 2606 OID 240908)
-- Name: munic_x_classe_pi_manifest_artistica_codigoclassepimanifestarti;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_pi_manifest_artistica
ADD CONSTRAINT
munic_x_classe_pi_manifest_artistica_codigoclassepimanifestarti FOREIGN KEY
(codigoclassepimanifestartistica) REFERENCES classe_pi_manifest_artistica(codigo);

--
-- TOC entry 5186 (class 2606 OID 240903)
-- Name: munic_x_classe_pi_manifest_artistica_geocodigomunicipio_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_pi_manifest_artistica
ADD CONSTRAINT
munic_x_classe_pi_manifest_artistica_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

```

```
--
-- TOC entry 5207 (class 2606 OID 241428)
-- Name: munic_x_classe_pl_vulnerab_social_codigoclassepl_vulnerab_socia;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pl_vulnerab_social
ADD CONSTRAINT
munic_x_classe_pl_vulnerab_social_codigoclassepl_vulnerab_socia FOREIGN KEY
(codigoclasseplvulnerabsocial) REFERENCES classe_pl_vulnerab_social(codigo);
```

```
--
-- TOC entry 5206 (class 2606 OID 241423)
-- Name: munic_x_classe_pl_vulnerab_social_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pl_vulnerab_social
ADD CONSTRAINT munic_x_classe_pl_vulnerab_social_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5165 (class 2606 OID 240653)
-- Name: munic_x_classe_pn_conj_geogr_codigoclassepncnjgeogr_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_conj_geogr
ADD CONSTRAINT munic_x_classe_pn_conj_geogr_codigoclassepncnjgeogr_fkey
FOREIGN KEY (codigoclassepncnjgeogr) REFERENCES classe_pn_conj_geogr(codigo);
```

```
--
-- TOC entry 5164 (class 2606 OID 240648)
-- Name: munic_x_classe_pn_conj_geogr_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_conj_geogr
ADD CONSTRAINT munic_x_classe_pn_conj_geogr_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5167 (class 2606 OID 240676)
-- Name: munic_x_classe_pn_conj_nat_integ_codigoclassepncnjnatinteg_fke;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_conj_nat_integ
ADD CONSTRAINT
munic_x_classe_pn_conj_nat_integ_codigoclassepncnjnatinteg_fke FOREIGN KEY
(codigoclassepncnjnatinteg) REFERENCES classe_pn_conj_nat_integ(codigo);
```

```
--
-- TOC entry 5166 (class 2606 OID 240671)
-- Name: munic_x_classe_pn_conj_nat_integ_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_conj_nat_integ
ADD CONSTRAINT munic_x_classe_pn_conj_nat_integ_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--  
-- TOC entry 5169 (class 2606 OID 240699)  
-- Name: munic_x_classe_pn_ecossistema_codigoclassepnecossistema_fkey; Type:  
FK CONSTRAINT; Schema: public; Owner: -  
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_ecossistema  
ADD CONSTRAINT  
munic_x_classe_pn_ecossistema_codigoclassepnecossistema_fkey FOREIGN KEY  
(codigoclassepnecossistema) REFERENCES classe_pn_ecossistema(codigo);
```

```
--  
-- TOC entry 5168 (class 2606 OID 240694)  
-- Name: munic_x_classe_pn_ecossistema_geocodigomunicipio_fkey; Type: FK  
CONSTRAINT; Schema: public; Owner: -  
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_ecossistema  
ADD CONSTRAINT munic_x_classe_pn_ecossistema_geocodigomunicipio_fkey  
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--  
-- TOC entry 5171 (class 2606 OID 240722)  
-- Name: munic_x_classe_pn_paisagem_costeira_codigoclassepnpaisagemcoste;  
Type: FK CONSTRAINT; Schema: public; Owner: -  
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_paisagem_costeira  
ADD CONSTRAINT  
munic_x_classe_pn_paisagem_costeira_codigoclassepnpaisagemcoste FOREIGN KEY  
(codigoclassepnpaisagemcosteira) REFERENCES classe_pn_paisagem_costeira(codigo);
```

```
--  
-- TOC entry 5170 (class 2606 OID 240717)  
-- Name: munic_x_classe_pn_paisagem_costeira_geocodigomunicipio_fkey; Type: FK  
CONSTRAINT; Schema: public; Owner: -  
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_paisagem_costeira  
ADD CONSTRAINT munic_x_classe_pn_paisagem_costeira_geocodigomunicipio_fkey  
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--  
-- TOC entry 5173 (class 2606 OID 240745)  
-- Name: munic_x_classe_pn_sistema_hidrografico_codigoclassepn sistemahid;  
Type: FK CONSTRAINT; Schema: public; Owner: -  
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_sistema_hidrografico  
ADD CONSTRAINT  
munic_x_classe_pn_sistema_hidrografico_codigoclassepn sistemahid FOREIGN KEY  
(codigoclassepn sistemahidrografico) REFERENCES  
classe_pn_sistema_hidrografico(codigo);
```

```
--  
-- TOC entry 5172 (class 2606 OID 240740)  
-- Name: munic_x_classe_pn_sistema_hidrografico_geocodigomunicipio_fkey; Type:  
FK CONSTRAINT; Schema: public; Owner: -  
--
```

```
ALTER TABLE ONLY munic_x_classe_pn_sistema_hidrografico  
ADD CONSTRAINT  
munic_x_classe_pn_sistema_hidrografico_geocodigomunicipio_fkey FOREIGN KEY  
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5179 (class 2606 OID 240816)
-- Name: munic_x_classe_pne_patrim_espeleologico_codigoclassepnepatrimenes;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pne_patrim_espeleologico
ADD CONSTRAINT
munic_x_classe_pne_patrim_espeleologico_codigoclassepnepatrimenes FOREIGN KEY
(codigoclassepnepatrimenespeleologico) REFERENCES
classe_pne_patrim_espeleologico(codigo);
```

```
--
-- TOC entry 5178 (class 2606 OID 240811)
-- Name: munic_x_classe_pne_patrim_espeleologico_geocodigomunicipio_fkey;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pne_patrim_espeleologico
ADD CONSTRAINT
munic_x_classe_pne_patrim_espeleologico_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5181 (class 2606 OID 240839)
-- Name: munic_x_classe_pne_recurso_hidrotermico_codigoclassepnerrecursoh;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pne_recurso_hidrotermico
ADD CONSTRAINT
munic_x_classe_pne_recurso_hidrotermico_codigoclassepnerrecursoh FOREIGN KEY
(codigoclassepnerrecursohidrotermico) REFERENCES
classe_pne_recurso_hidrotermico(codigo);
```

```
--
-- TOC entry 5180 (class 2606 OID 240834)
-- Name: munic_x_classe_pne_recurso_hidrotermico_geocodigomunicipio_fkey;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_pne_recurso_hidrotermico
ADD CONSTRAINT
munic_x_classe_pne_recurso_hidrotermico_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5147 (class 2606 OID 237457)
-- Name: munic_x_classe_silvicultura_codigoclassesilvicultura_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_silvicultura
ADD CONSTRAINT munic_x_classe_silvicultura_codigoclassesilvicultura_fkey
FOREIGN KEY (codigoclassesilvicultura) REFERENCES classe_silvicultura(codigo);
```

```
--
-- TOC entry 5146 (class 2606 OID 237452)
-- Name: munic_x_classe_silvicultura_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_silvicultura
```

```

        ADD CONSTRAINT munic_x_classe_silvicultura_geocodigomunicipio_fkey FOREIGN
KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5149 (class 2606 OID 237480)
-- Name: munic_x_classe_sisal_codigoclassesisal_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_sisal
    ADD CONSTRAINT munic_x_classe_sisal_codigoclassesisal_fkey FOREIGN KEY
(codigoclassesisal) REFERENCES classe_sisal(codigo);

--
-- TOC entry 5148 (class 2606 OID 237475)
-- Name: munic_x_classe_sisal_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_sisal
    ADD CONSTRAINT munic_x_classe_sisal_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5209 (class 2606 OID 241451)
-- Name: munic_x_classe_sistemas_sociais_codigoclassesistemas_sociais_fk;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_sistemas_sociais
    ADD CONSTRAINT
munic_x_classe_sistemas_sociais_codigoclassesistemas_sociais_fk FOREIGN KEY
(codigoclassesistemassociais) REFERENCES classe_sistemas_sociais(codigo);

--
-- TOC entry 5208 (class 2606 OID 241446)
-- Name: munic_x_classe_sistemas_sociais_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_sistemas_sociais
    ADD CONSTRAINT munic_x_classe_sistemas_sociais_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5151 (class 2606 OID 237503)
-- Name: munic_x_classe_soja_codigoclassesoja_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_soja
    ADD CONSTRAINT munic_x_classe_soja_codigoclassesoja_fkey FOREIGN KEY
(codigoclassesoja) REFERENCES classe_soja(codigo);

--
-- TOC entry 5150 (class 2606 OID 237498)
-- Name: munic_x_classe_soja_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY munic_x_classe_soja
    ADD CONSTRAINT munic_x_classe_soja_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

```



```
--
-- TOC entry 5203 (class 2606 OID 241106)
-- Name: munic_x_classe_sustentab_socioecon_local_codigoclassesustentabs;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_sustentab_socioecon_local
ADD CONSTRAINT
munic_x_classe_sustentab_socioecon_local_codigoclassesustentabs FOREIGN KEY
(codigoclassesustentabsocioeconlocal) REFERENCES
classe_sustentab_socioecon_local(codigo);
```

```
--
-- TOC entry 5202 (class 2606 OID 241101)
-- Name: munic_x_classe_sustentab_socioecon_local_geocodigomunicipio_fke;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_sustentab_socioecon_local
ADD CONSTRAINT
munic_x_classe_sustentab_socioecon_local_geocodigomunicipio_fke FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5205 (class 2606 OID 241129)
-- Name: munic_x_classe_sustentab_socioecon_regional_codigoclassesustent;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_sustentab_socioecon_regional
ADD CONSTRAINT
munic_x_classe_sustentab_socioecon_regional_codigoclassesustent FOREIGN KEY
(codigoclassesustentabsocioeconregional) REFERENCES
classe_sustentab_socioecon_regional(codigo);
```

```
--
-- TOC entry 5204 (class 2606 OID 241124)
-- Name: munic_x_classe_sustentab_socioecon_regional_geocodigomunicipio_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_sustentab_socioecon_regional
ADD CONSTRAINT
munic_x_classe_sustentab_socioecon_regional_geocodigomunicipio_ FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5211 (class 2606 OID 241484)
-- Name: munic_x_classe_tic_codigoclassetic_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_tic
ADD CONSTRAINT munic_x_classe_tic_codigoclassetic_fkey FOREIGN KEY
(codigoclassetic) REFERENCES classe_tic(codigo);
```

```
--
-- TOC entry 5210 (class 2606 OID 241479)
-- Name: munic_x_classe_tic_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY munic_x_classe_tic
```

```
ADD CONSTRAINT munic_x_classe_tic_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
```

```
-- TOC entry 5091 (class 2606 OID 236462)
```

```
-- Name: munic_x_corpo_dagua_marinho_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
```

```
--
```

```
ALTER TABLE ONLY munic_x_corpo_dagua_marinho
```

```
ADD CONSTRAINT munic_x_corpo_dagua_marinho_geocodigomunicipio_fkey FOREIGN
KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
```

```
-- TOC entry 5092 (class 2606 OID 236467)
```

```
-- Name: munic_x_corpo_dagua_marinho_identificadorcorporodaguamarinho_fkey;
Type: FK CONSTRAINT; Schema: public; Owner: -
```

```
--
```

```
ALTER TABLE ONLY munic_x_corpo_dagua_marinho
```

```
ADD CONSTRAINT
munic_x_corpo_dagua_marinho_identificadorcorporodaguamarinho_fkey FOREIGN KEY
(identificadorcorporodaguamarinho) REFERENCES corpo_dagua_marinho(identificador);
```

```
--
```

```
-- TOC entry 5096 (class 2606 OID 236597)
```

```
-- Name: munic_x_fonte_potenc_energia_codigofontepotencenergia_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
```

```
--
```

```
ALTER TABLE ONLY munic_x_fonte_potenc_energia
```

```
ADD CONSTRAINT munic_x_fonte_potenc_energia_codigofontepotencenergia_fkey
FOREIGN KEY (codigofontepotencenergia) REFERENCES fonte_potenc_energia(codigo);
```

```
--
```

```
-- TOC entry 5095 (class 2606 OID 236592)
```

```
-- Name: munic_x_fonte_potenc_energia_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
```

```
--
```

```
ALTER TABLE ONLY munic_x_fonte_potenc_energia
```

```
ADD CONSTRAINT munic_x_fonte_potenc_energia_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
```

```
-- TOC entry 5098 (class 2606 OID 236630)
```

```
-- Name: munic_x_fonte_potenc_produc_combust_codigofontepotencproduccomb;
Type: FK CONSTRAINT; Schema: public; Owner: -
```

```
--
```

```
ALTER TABLE ONLY munic_x_fonte_potenc_produc_combust
```

```
ADD CONSTRAINT
munic_x_fonte_potenc_produc_combust_codigofontepotencproduccomb FOREIGN KEY
(codigofontepotencproduccombust) REFERENCES fonte_potenc_produc_combust(codigo);
```

```
--
```

```
-- TOC entry 5097 (class 2606 OID 236625)
```

```
-- Name: munic_x_fonte_potenc_produc_combust_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
```

```
--
```

```
ALTER TABLE ONLY munic_x_fonte_potenc_produc_combust
```

```
ADD CONSTRAINT munic_x_fonte_potenc_produc_combust_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);
```

```
--
-- TOC entry 5052 (class 2606 OID 282757)
-- Name: municipio_codigodires_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: -
--
```

```
ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_codigodires_fkey FOREIGN KEY (codigodires)
REFERENCES dire(codigo);
```

```
--
-- TOC entry 5046 (class 2606 OID 282762)
-- Name: municipio_codigoeixodesenvolvimento_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_codigoeixodesenvolvimento_fkey FOREIGN KEY
(codigoeixodesenvolvimento) REFERENCES eixo_desenvolvimento(codigo);
```

```
--
-- TOC entry 5047 (class 2606 OID 282767)
-- Name: municipio_codigomicroregiao_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--
```

```
ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_codigomicroregiao_fkey FOREIGN KEY
(codigomicroregiao) REFERENCES micro_regiao(codigo);
```

```
--
-- TOC entry 5048 (class 2606 OID 282772)
-- Name: municipio_codigoregiaoadministrativa_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_codigoregiaoadministrativa_fkey FOREIGN KEY
(codigoregiaoadministrativa) REFERENCES regiao_administrativa(codigo);
```

```
--
-- TOC entry 5049 (class 2606 OID 282777)
-- Name: municipio_codigoregiaoeconomica_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--
```

```
ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_codigoregiaoeconomica_fkey FOREIGN KEY
(codigoregiaoeconomica) REFERENCES regiao_economica(codigo);
```

```
--
-- TOC entry 5050 (class 2606 OID 282782)
-- Name: municipio_codigoterritorioidentidade_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_codigoterritorioidentidade_fkey FOREIGN KEY
(codigoterritorioidentidade) REFERENCES territorio_identidade(codigo);
```

```
--
-- TOC entry 5051 (class 2606 OID 282787)
```

```

-- Name: municipio_identificadormacrorregiao_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY municipio
    ADD CONSTRAINT municipio_identificadormacrorregiao_fkey FOREIGN KEY
(identificadormacrorregiao) REFERENCES macro_regiao(gid);

--
-- TOC entry 5060 (class 2606 OID 184521)
-- Name: pasto_quilombolas_pescadores_geocodigomunicipio_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY pasto_quilombolas_pescadores
    ADD CONSTRAINT pasto_quilombolas_pescadores_geocodigomunicipio_fkey
FOREIGN KEY (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5072 (class 2606 OID 234914)
-- Name: poligono_rh_subterraneo_codigodsmr_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY poligono_rh_subterraneo
    ADD CONSTRAINT poligono_rh_subterraneo_codigodsmr_fkey FOREIGN KEY
(codigodsmr) REFERENCES dsmr(codigo);

--
-- TOC entry 5064 (class 2606 OID 189972)
-- Name: poligono_up_identificadorup_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY poligono_up
    ADD CONSTRAINT poligono_up_identificadorup_fkey FOREIGN KEY
(identificadorup) REFERENCES unidade_paisagem(identificador);

--
-- TOC entry 5062 (class 2606 OID 186136)
-- Name: poligono_utb_identificadorutb_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY poligono_utb
    ADD CONSTRAINT poligono_utb_identificadorutb_fkey FOREIGN KEY
(identificadorutb) REFERENCES utb(identificador);

--
-- TOC entry 5253 (class 2606 OID 277935)
-- Name: poligutb_x_classe_vulner_erosao_codigoclassevulnererosao_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY poligutb_x_classe_vulner_erosao
    ADD CONSTRAINT
poligutb_x_classe_vulner_erosao_codigoclassevulnererosao_fkey FOREIGN KEY
(codigoclassevulnererosao) REFERENCES classe_vulner_erosao(codigo);

--
-- TOC entry 5252 (class 2606 OID 277930)
-- Name: poligutb_x_classe_vulner_erosao_identificadorpolygonoutb_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

```

```

ALTER TABLE ONLY poligutb_x_classe_vulner_erosao
    ADD CONSTRAINT
poligutb_x_classe_vulner_erosao_identificadorpolygonoutb_fkey FOREIGN KEY
(identificadorpolygonoutb) REFERENCES poligono_utb(identificador);

--
-- TOC entry 5066 (class 2606 OID 210411)
-- Name: popul_n_atend_esgoto_geocodigomunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY popul_n_atend_esgoto
    ADD CONSTRAINT popul_n_atend_esgoto_geocodigomunicipio_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5065 (class 2606 OID 210397)
-- Name: qab_identificadorclasseqab_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: -
--

ALTER TABLE ONLY qab
    ADD CONSTRAINT qab_identificadorclasseqab_fkey FOREIGN KEY
(identificadorclasseqab) REFERENCES classe_qab(identificador);

--
-- TOC entry 5070 (class 2606 OID 210461)
-- Name: sede_x_numero_veiculos_geocodigo_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY sede_x_numero_veiculos
    ADD CONSTRAINT sede_x_numero_veiculos_geocodigo_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES original.sei_sede_municipal_2010(cod_ibge_1);

--
-- TOC entry 5068 (class 2606 OID 210441)
-- Name: sede_x_tipos_disposic_residuo_mun_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY sede_x_tipos_disposic_residuo
    ADD CONSTRAINT sede_x_tipos_disposic_residuo_mun_fkey FOREIGN KEY
(geocodigomunicipio) REFERENCES original.sei_sede_municipal_2010(cod_ibge_1);

--
-- TOC entry 5069 (class 2606 OID 210446)
-- Name: sede_x_tipos_disposic_residuo_tpdisp_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY sede_x_tipos_disposic_residuo
    ADD CONSTRAINT sede_x_tipos_disposic_residuo_tpdisp_fkey FOREIGN KEY
(identificadortipodisposicao) REFERENCES tipo_disposic_residuo(identificador);

--
-- TOC entry 5239 (class 2606 OID 257049)
-- Name: ti_x_classe_cadeia_producao_codigoclassecadeiaproducao_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_cadeia_producao

```

```

        ADD CONSTRAINT ti_x_classe_cadeia_producao_codigoclassecadeiaproducao_fkey
FOREIGN KEY (codigoclassecadeiaproducao) REFERENCES classe_cadeia_producao(codigo);

--
-- TOC entry 5238 (class 2606 OID 257044)
-- Name: ti_x_classe_cadeia_producao_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_cadeia_producao
        ADD CONSTRAINT ti_x_classe_cadeia_producao_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);

--
-- TOC entry 5241 (class 2606 OID 257072)
-- Name: ti_x_classe_distrito_industrial_codigoclassedistritoindustrial_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_distrito_industrial
        ADD CONSTRAINT
ti_x_classe_distrito_industrial_codigoclassedistritoindustrial_ FOREIGN KEY
(codigoclassedistritoindustrial) REFERENCES classe_distrito_industrial(codigo);

--
-- TOC entry 5240 (class 2606 OID 257067)
-- Name: ti_x_classe_distrito_industrial_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_distrito_industrial
        ADD CONSTRAINT ti_x_classe_distrito_industrial_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);

--
-- TOC entry 5159 (class 2606 OID 239464)
-- Name: ti_x_classe_investim_privados_codigoclasseinvestimprivados_fkey;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_investim_privados
        ADD CONSTRAINT
ti_x_classe_investim_privados_codigoclasseinvestimprivados_fkey FOREIGN KEY
(codigoclasseinvestimprivados) REFERENCES classe_investim_privados(codigo);

--
-- TOC entry 5158 (class 2606 OID 239459)
-- Name: ti_x_classe_investim_privados_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_investim_privados
        ADD CONSTRAINT ti_x_classe_investim_privados_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);

--
-- TOC entry 5157 (class 2606 OID 239441)
-- Name: ti_x_classe_partic_colegiados_codigoclasseparticcolegiados_fkey;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_partic_colegiados
        ADD CONSTRAINT
ti_x_classe_partic_colegiados_codigoclasseparticcolegiados_fkey FOREIGN KEY
(codigoclasseparticcolegiados) REFERENCES classe_partic_colegiados(codigo);

```

```

--
-- TOC entry 5156 (class 2606 OID 239436)
-- Name: ti_x_classe_partic_colegiados_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_partic_colegiados
    ADD CONSTRAINT ti_x_classe_partic_colegiados_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);

--
-- TOC entry 5163 (class 2606 OID 239510)
-- Name: ti_x_classe_politicas_estaduais_codigoclassepolicasestaduais_;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_politicas_estaduais
    ADD CONSTRAINT
ti_x_classe_politicas_estaduais_codigoclassepolicasestaduais_ FOREIGN KEY
(codigoclassepolicasestaduais) REFERENCES classe_politicas_estaduais(codigo);

--
-- TOC entry 5162 (class 2606 OID 239505)
-- Name: ti_x_classe_politicas_estaduais_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_politicas_estaduais
    ADD CONSTRAINT ti_x_classe_politicas_estaduais_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);

--
-- TOC entry 5161 (class 2606 OID 239487)
-- Name: ti_x_classe_politicas_federais_codigoclassepolicasfederais_fk;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_politicas_federais
    ADD CONSTRAINT
ti_x_classe_politicas_federais_codigoclassepolicasfederais_fk FOREIGN KEY
(codigoclassepolicasfederais) REFERENCES classe_politicas_federais(codigo);

--
-- TOC entry 5160 (class 2606 OID 239482)
-- Name: ti_x_classe_politicas_federais_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_politicas_federais
    ADD CONSTRAINT ti_x_classe_politicas_federais_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);

--
-- TOC entry 5153 (class 2606 OID 239395)
-- Name: ti_x_classe_presenca_instituicoes_codigoclassepresencainstituic;
Type: FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ti_x_classe_presenca_instituicoes
    ADD CONSTRAINT
ti_x_classe_presenca_instituicoes_codigoclassepresencainstituic FOREIGN KEY
(codigoclassepresencainstituicoes) REFERENCES classe_presenca_instituicoes(codigo);

```

```
--
-- TOC entry 5152 (class 2606 OID 239390)
-- Name: ti_x_classe_presenca_instituicoes_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ti_x_classe_presenca_instituicoes
    ADD CONSTRAINT ti_x_classe_presenca_instituicoes_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);
```

```
--
-- TOC entry 5155 (class 2606 OID 239418)
-- Name: ti_x_classe_sist_gestao_ambient_codigoclassesistgestaoambient_f;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ti_x_classe_sist_gestao_ambient
    ADD CONSTRAINT
ti_x_classe_sist_gestao_ambient_codigoclassesistgestaoambient_f FOREIGN KEY
(codigoclassesistgestaoambient) REFERENCES classe_sist_gestao_ambient(codigo);
```

```
--
-- TOC entry 5154 (class 2606 OID 239413)
-- Name: ti_x_classe_sist_gestao_ambient_codigoti_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ti_x_classe_sist_gestao_ambient
    ADD CONSTRAINT ti_x_classe_sist_gestao_ambient_codigoti_fkey FOREIGN KEY
(codigoti) REFERENCES territorio_identidade(codigo);
```

```
--
-- TOC entry 5067 (class 2606 OID 210431)
-- Name: tipo_disposic_residuo_identificadorgenero_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY tipo_disposic_residuo
    ADD CONSTRAINT tipo_disposic_residuo_identificadorgenero_fkey FOREIGN KEY
(identificadorgenero) REFERENCES genero_disposic_residuo(identificador);
```

```
--
-- TOC entry 5086 (class 2606 OID 235257)
-- Name: ub_x_classe_conserv_aguas_sup_codigoclasseconservacaoaguassuper;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ub_x_classe_conserv_aguas_sup
    ADD CONSTRAINT
ub_x_classe_conserv_aguas_sup_codigoclasseconservacaoaguassuper FOREIGN KEY
(codigoclasseconservacaoaguassuperficiais) REFERENCES
classe_conserv_aguas_sup(codigo);
```

```
--
-- TOC entry 5085 (class 2606 OID 235252)
-- Name: ub_x_classe_conserv_aguas_sup_codigounidadebalanco_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ub_x_classe_conserv_aguas_sup
    ADD CONSTRAINT ub_x_classe_conserv_aguas_sup_codigounidadebalanco_fkey
FOREIGN KEY (codigounidadebalanco) REFERENCES
original.perh_unidade_balanco_2011(codigo);
```



```
--
-- TOC entry 5080 (class 2606 OID 235188)
-- Name: ub_x_classe_disp_hidrica_superf_codigoclassedisponibilidadehidr;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ub_x_classe_disp_hidrica_superf
ADD CONSTRAINT
ub_x_classe_disp_hidrica_superf_codigoclassedisponibilidadehidr FOREIGN KEY
(codigoclassedisponibilidadehidricasuperficial) REFERENCES
classe_disp_hidrica_superf(codigo);
```

```
--
-- TOC entry 5079 (class 2606 OID 235183)
-- Name: ub_x_classe_disp_hidrica_superf_codigounidadebalanco_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ub_x_classe_disp_hidrica_superf
ADD CONSTRAINT ub_x_classe_disp_hidrica_superf_codigounidadebalanco_fkey
FOREIGN KEY (codigounidadebalanco) REFERENCES
original.perh_unidade_balanco_2011(codigo);
```

```
--
-- TOC entry 5084 (class 2606 OID 235234)
-- Name: ub_x_classe_qualid_aguas_superf_codigoclassequalidadeaguassuper;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ub_x_classe_qualid_aguas_superf
ADD CONSTRAINT
ub_x_classe_qualid_aguas_superf_codigoclassequalidadeaguassuper FOREIGN KEY
(codigoclassequalidadeaguassuperficiais) REFERENCES
classe_qualid_aguas_superf(codigo);
```

```
--
-- TOC entry 5083 (class 2606 OID 235229)
-- Name: ub_x_classe_qualid_aguas_superf_codigounidadebalanco_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ub_x_classe_qualid_aguas_superf
ADD CONSTRAINT ub_x_classe_qualid_aguas_superf_codigounidadebalanco_fkey
FOREIGN KEY (codigounidadebalanco) REFERENCES
original.perh_unidade_balanco_2011(codigo);
```

```
--
-- TOC entry 5082 (class 2606 OID 235211)
-- Name: ub_x_classe_salin_aguas_superf_codigoclassesalinizacaoaguassupe;
Type: FK CONSTRAINT; Schema: public; Owner: -
--
```

```
ALTER TABLE ONLY ub_x_classe_salin_aguas_superf
ADD CONSTRAINT
ub_x_classe_salin_aguas_superf_codigoclassesalinizacaoaguassupe FOREIGN KEY
(codigoclassesalinizacaoaguassuperficiais) REFERENCES
classe_salin_aguas_superf(codigo);
```

```
--
-- TOC entry 5081 (class 2606 OID 235206)
-- Name: ub_x_classe_salin_aguas_superf_codigounidadebalanco_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--
```

```

ALTER TABLE ONLY ub_x_classe_salin_aguas_superf
    ADD CONSTRAINT ub_x_classe_salin_aguas_superf_codigounidadebalanco_fkey
FOREIGN KEY (codigounidadebalanco) REFERENCES
original.perh_unidade_balanco_2011(codigo);

--
-- TOC entry 5255 (class 2606 OID 277960)
-- Name: ub_x_classe_vulner_rh_superf_codigoclassevulnerrhsuperf_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY ub_x_classe_vulner_rh_superf
    ADD CONSTRAINT
ub_x_classe_vulner_rh_superf_codigoclassevulnerrhsuperf_fkey FOREIGN KEY
(codigoclassevulnerrhsuperf) REFERENCES classe_vulner_rh_superf(codigo);

--
-- TOC entry 5254 (class 2606 OID 277955)
-- Name: ub_x_classe_vulner_rh_superf_codigoub_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY ub_x_classe_vulner_rh_superf
    ADD CONSTRAINT ub_x_classe_vulner_rh_superf_codigoub_fkey FOREIGN KEY
(codigoub) REFERENCES original.perh_unidade_balanco_2011(codigo);

--
-- TOC entry 5063 (class 2606 OID 186131)
-- Name: utb_codigodominiomorfologico_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY utb
    ADD CONSTRAINT utb_codigodominiomorfologico_fkey FOREIGN KEY
(codigodominiomorfologico) REFERENCES dominio_morfologico(codigo);

--
-- TOC entry 5071 (class 2606 OID 222308)
-- Name: vulnerab_biodivers_codigoclassevulnerabbio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_biodivers
    ADD CONSTRAINT vulnerab_biodivers_codigoclassevulnerabbio_fkey FOREIGN KEY
(codigoclassevulnerabbio) REFERENCES classe_vulnerab_biodivers(codigo);

--
-- TOC entry 5107 (class 2606 OID 236984)
-- Name: vulnerab_social_codigoclassevulnerabsocial_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_codigoclassevulnerabsocial_fkey FOREIGN KEY
(codigoclassevulnerabsocial) REFERENCES classe_vulnerab_social(codigo);

--
-- TOC entry 5102 (class 2606 OID 236959)
-- Name: vulnerab_social_codigoconceitocondicecon_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social

```

```

        ADD CONSTRAINT vulnerab_social_codigoconceitocondicecon_fkey FOREIGN KEY
(codigoconceitocondicecon) REFERENCES conceito_qualid_social(codigo);

--
-- TOC entry 5101 (class 2606 OID 236954)
-- Name: vulnerab_social_codigoconceitocondicvida_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_codigoconceitocondicvida_fkey FOREIGN KEY
(codigoconceitocondicvida) REFERENCES conceito_qualid_social(codigo);

--
-- TOC entry 5100 (class 2606 OID 236949)
-- Name: vulnerab_social_codigoconceitoqualidvida_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_codigoconceitoqualidvida_fkey FOREIGN KEY
(codigoconceitoqualidvida) REFERENCES conceito_qualid_social(codigo);

--
-- TOC entry 5104 (class 2606 OID 236969)
-- Name: vulnerab_social_codigoportemunicipio_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_codigoportemunicipio_fkey FOREIGN KEY
(codigoportemunicipio) REFERENCES porte_municipio(codigo);

--
-- TOC entry 5103 (class 2606 OID 236964)
-- Name: vulnerab_social_codigotipoconcentrpib_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_codigotipoconcentrpib_fkey FOREIGN KEY
(codigotipoconcentrpib) REFERENCES tipo_concentracaopib(codigo);

--
-- TOC entry 5105 (class 2606 OID 236974)
-- Name: vulnerab_social_codigotipopredominpopul_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_codigotipopredominpopul_fkey FOREIGN KEY
(codigotipopredominpopul) REFERENCES tipo_predominancia_popul(codigo);

--
-- TOC entry 5106 (class 2606 OID 236979)
-- Name: vulnerab_social_codigotipotendenciapopul_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_codigotipotendenciapopul_fkey FOREIGN KEY
(codigotipotendenciapopul) REFERENCES tipo_tendencia_popul(codigo);

```

```

--
-- TOC entry 5099 (class 2606 OID 236944)
-- Name: vulnerab_social_geocodigomunicipio_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: -
--

ALTER TABLE ONLY vulnerab_social
    ADD CONSTRAINT vulnerab_social_geocodigomunicipio_fkey FOREIGN KEY
    (geocodigomunicipio) REFERENCES municipio(geocodigo);

--
-- TOC entry 5237 (class 2606 OID 242871)
-- Name: zim_x_classe_zim_energetico_codigoclassezimenergetico_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY zim_x_classe_zim_energetico
    ADD CONSTRAINT zim_x_classe_zim_energetico_codigoclassezimenergetico_fkey
    FOREIGN KEY (codigoclassezimenergetico) REFERENCES classe_zim_energetico(codigo);

--
-- TOC entry 5236 (class 2606 OID 242866)
-- Name: zim_x_classe_zim_energetico_identificadorzim_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY zim_x_classe_zim_energetico
    ADD CONSTRAINT zim_x_classe_zim_energetico_identificadorzim_fkey FOREIGN
    KEY (identificadorzim) REFERENCES zona_interesse_mineral(identificador);

--
-- TOC entry 5235 (class 2606 OID 242848)
-- Name: zim_x_classe_zim_gema_codigoclassezimgema_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY zim_x_classe_zim_gema
    ADD CONSTRAINT zim_x_classe_zim_gema_codigoclassezimgema_fkey FOREIGN KEY
    (codigoclassezimgema) REFERENCES classe_zim_gema(codigo);

--
-- TOC entry 5234 (class 2606 OID 242843)
-- Name: zim_x_classe_zim_gema_identificadorzim_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -
--

ALTER TABLE ONLY zim_x_classe_zim_gema
    ADD CONSTRAINT zim_x_classe_zim_gema_identificadorzim_fkey FOREIGN KEY
    (identificadorzim) REFERENCES zona_interesse_mineral(identificador);

--
-- TOC entry 5233 (class 2606 OID 242825)
-- Name: zim_x_classe_zim_metalico_codigoclassezimmetalico_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY zim_x_classe_zim_metalico
    ADD CONSTRAINT zim_x_classe_zim_metalico_codigoclassezimmetalico_fkey
    FOREIGN KEY (codigoclassezimmetalico) REFERENCES classe_zim_metalico(codigo);

--
-- TOC entry 5232 (class 2606 OID 242820)
-- Name: zim_x_classe_zim_metalico_identificadorzim_fkey; Type: FK CONSTRAINT;
Schema: public; Owner: -

```

```

--

ALTER TABLE ONLY zim_x_classe_zim_metalico
    ADD CONSTRAINT zim_x_classe_zim_metalico_identificadorzim_fkey FOREIGN KEY
(identificadorzim) REFERENCES zona_interesse_mineral(identificador);

--
-- TOC entry 5231 (class 2606 OID 242802)
-- Name: zim_x_classe_zim_ao_metalico_codigoclassezimnaometalico_fkey; Type:
FK CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY zim_x_classe_zim_ao_metalico
    ADD CONSTRAINT
zim_x_classe_zim_ao_metalico_codigoclassezimnaometalico_fkey FOREIGN KEY
(codigoclassezimnaometalico) REFERENCES classe_zim_ao_metalico(codigo);

--
-- TOC entry 5230 (class 2606 OID 242797)
-- Name: zim_x_classe_zim_ao_metalico_identificadorzim_fkey; Type: FK
CONSTRAINT; Schema: public; Owner: -
--

ALTER TABLE ONLY zim_x_classe_zim_ao_metalico
    ADD CONSTRAINT zim_x_classe_zim_ao_metalico_identificadorzim_fkey FOREIGN
KEY (identificadorzim) REFERENCES zona_interesse_mineral(identificador);

--
-- TOC entry 5478 (class 0 OID 0)
-- Dependencies: 5
-- Name: public; Type: ACL; Schema: -; Owner: -
--

REVOKE ALL ON SCHEMA public FROM PUBLIC;
REVOKE ALL ON SCHEMA public FROM postgres;
GRANT ALL ON SCHEMA public TO postgres;
GRANT ALL ON SCHEMA public TO PUBLIC;

--
-- TOC entry 5480 (class 0 OID 0)
-- Dependencies: 1748
-- Name: box2d; Type: ACL; Schema: public; Owner: -
--

REVOKE ALL ON TYPE box2d FROM PUBLIC;
REVOKE ALL ON TYPE box2d FROM postgres;
GRANT ALL ON TYPE box2d TO PUBLIC;

--
-- TOC entry 5482 (class 0 OID 0)
-- Dependencies: 1736
-- Name: box3d; Type: ACL; Schema: public; Owner: -
--

REVOKE ALL ON TYPE box3d FROM PUBLIC;
REVOKE ALL ON TYPE box3d FROM postgres;
GRANT ALL ON TYPE box3d TO PUBLIC;

--
-- TOC entry 5484 (class 0 OID 0)
-- Dependencies: 1740
-- Name: box3d_extent; Type: ACL; Schema: public; Owner: -
--

```

```
REVOKE ALL ON TYPE box3d_extent FROM PUBLIC;
REVOKE ALL ON TYPE box3d_extent FROM postgres;
GRANT ALL ON TYPE box3d_extent TO PUBLIC;
```

```
--
-- TOC entry 5485 (class 0 OID 0)
-- Dependencies: 1744
-- Name: chip; Type: ACL; Schema: public; Owner: -
--
```

```
REVOKE ALL ON TYPE chip FROM PUBLIC;
REVOKE ALL ON TYPE chip FROM postgres;
GRANT ALL ON TYPE chip TO PUBLIC;
```

```
--
-- TOC entry 5487 (class 0 OID 0)
-- Dependencies: 1767
-- Name: geography; Type: ACL; Schema: public; Owner: -
--
```

```
REVOKE ALL ON TYPE geography FROM PUBLIC;
REVOKE ALL ON TYPE geography FROM postgres;
GRANT ALL ON TYPE geography TO PUBLIC;
```

```
--
-- TOC entry 5489 (class 0 OID 0)
-- Dependencies: 1732
-- Name: geometry; Type: ACL; Schema: public; Owner: -
--
```

```
REVOKE ALL ON TYPE geometry FROM PUBLIC;
REVOKE ALL ON TYPE geometry FROM postgres;
GRANT ALL ON TYPE geometry TO PUBLIC;
```

```
--
-- TOC entry 5491 (class 0 OID 0)
-- Dependencies: 1752
-- Name: geometry_dump; Type: ACL; Schema: public; Owner: -
--
```

```
REVOKE ALL ON TYPE geometry_dump FROM PUBLIC;
REVOKE ALL ON TYPE geometry_dump FROM postgres;
GRANT ALL ON TYPE geometry_dump TO PUBLIC;
```

```
--
-- TOC entry 5492 (class 0 OID 0)
-- Dependencies: 1771
-- Name: gidx; Type: ACL; Schema: public; Owner: -
--
```

```
REVOKE ALL ON TYPE gidx FROM PUBLIC;
REVOKE ALL ON TYPE gidx FROM postgres;
GRANT ALL ON TYPE gidx TO PUBLIC;
```

```
--
-- TOC entry 5493 (class 0 OID 0)
-- Dependencies: 1763
-- Name: pgis_abs; Type: ACL; Schema: public; Owner: -
--
```

```
REVOKE ALL ON TYPE pgis_abs FROM PUBLIC;
REVOKE ALL ON TYPE pgis_abs FROM postgres;
GRANT ALL ON TYPE pgis_abs TO PUBLIC;
```

```
--  
-- TOC entry 5494 (class 0 OID 0)  
-- Dependencies: 1728  
-- Name: spheroid; Type: ACL; Schema: public; Owner: -  
--
```

```
REVOKE ALL ON TYPE spheroid FROM PUBLIC;  
REVOKE ALL ON TYPE spheroid FROM postgres;  
GRANT ALL ON TYPE spheroid TO PUBLIC;
```

```
-- Completed on 2014-05-28 09:14:10 BRT
```

```
--  
-- PostgreSQL database dump complete  
--
```