



GEOserrana

Carga de Quadras e Lotes via SQL

QGIS / DBeaver

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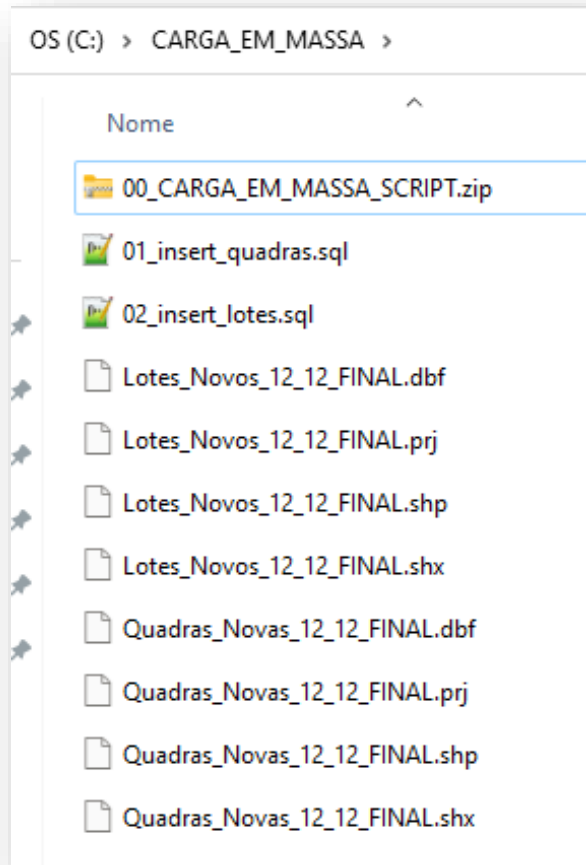
Tarefa:



GEOSerrana: Carga de Quadras e Lotes via script SQL.

- 1) No QGIS: Gerar script SQL para inserção das novas quadras e lotes;**
- 2) No DBeaver: Executar script SQL gerados.**

Material de apoio para treinamento



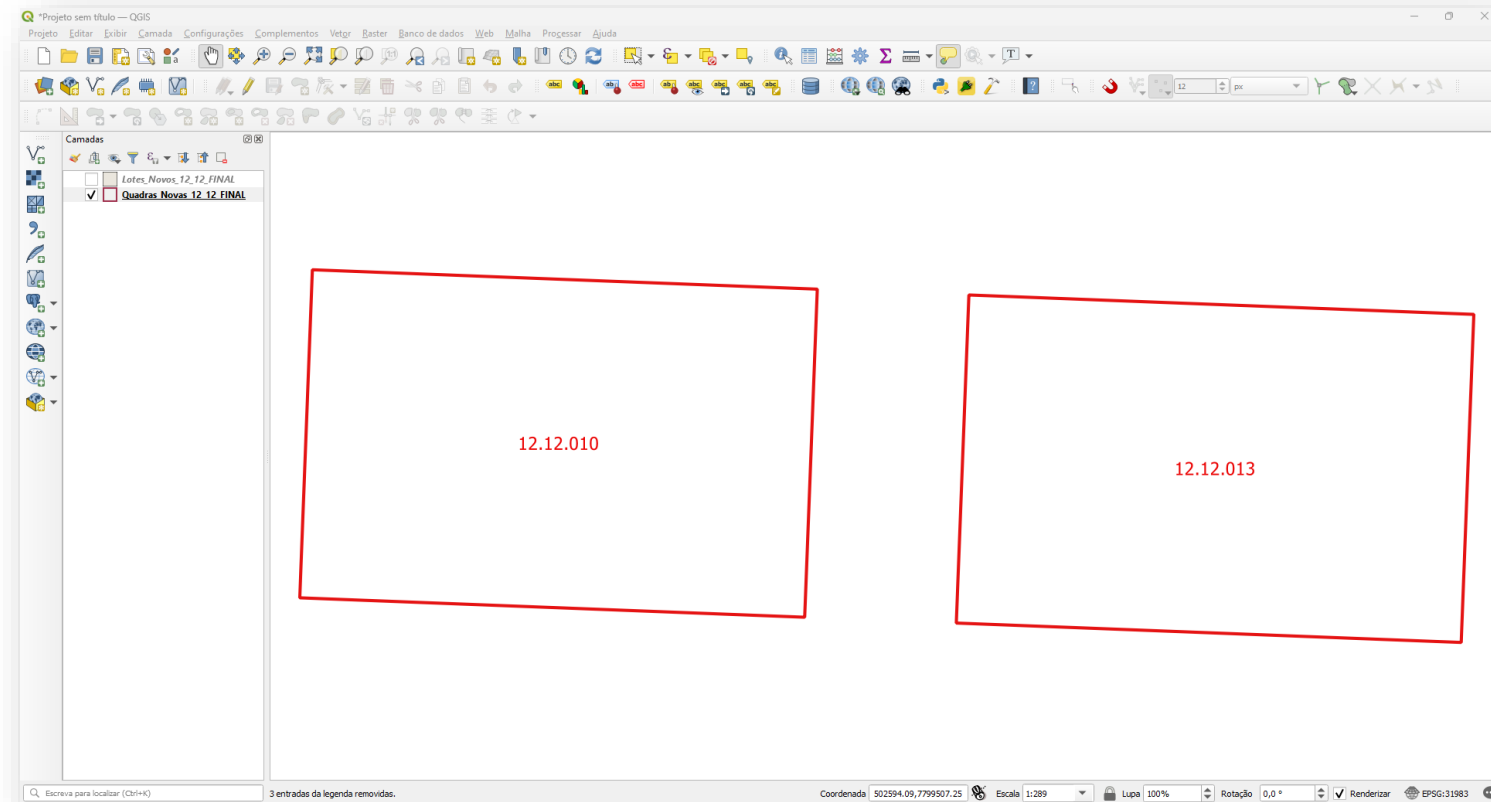
Passos para treinamento:

1) Criar a pasta C:/CARGA_EM_MASSA

2) Descompactar o conteúdo do arquivo ZIP

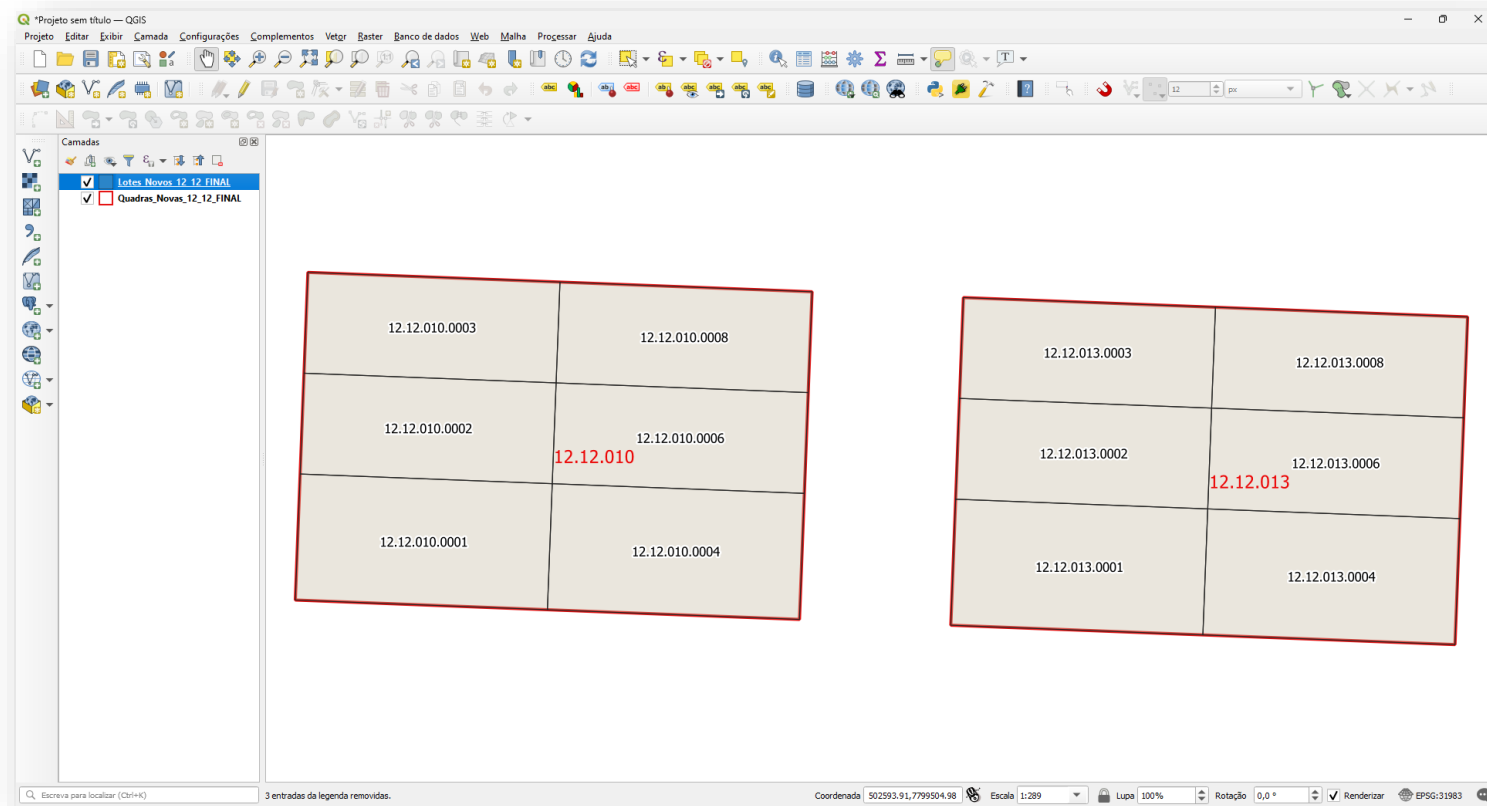
SQL de Quadras e Lotes

No QGIS, Quadras Novas

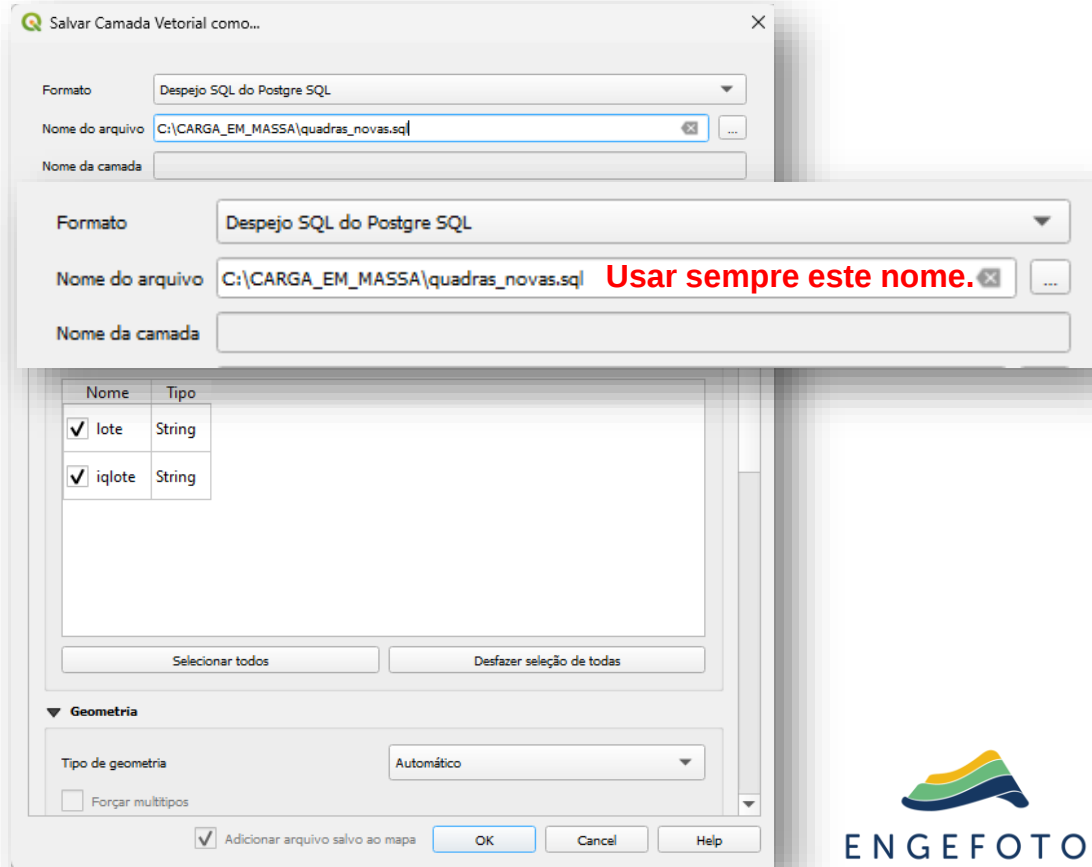
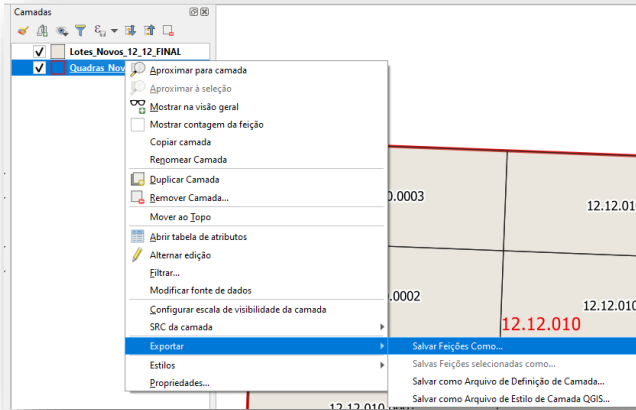


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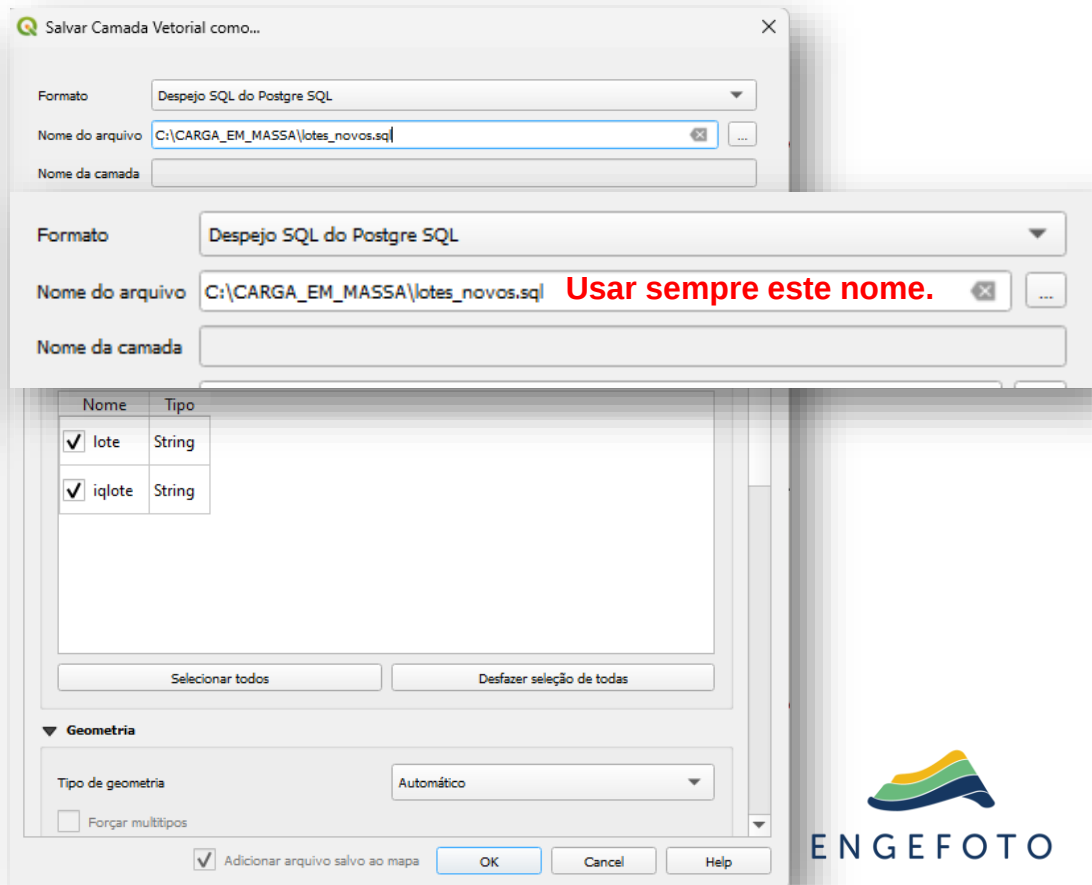
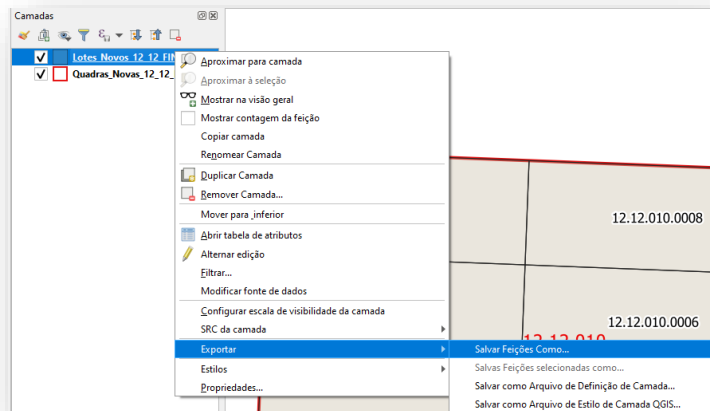
No QGIS, Lotes Novos



No QGIS, Gerar SQL das Quadras Novas

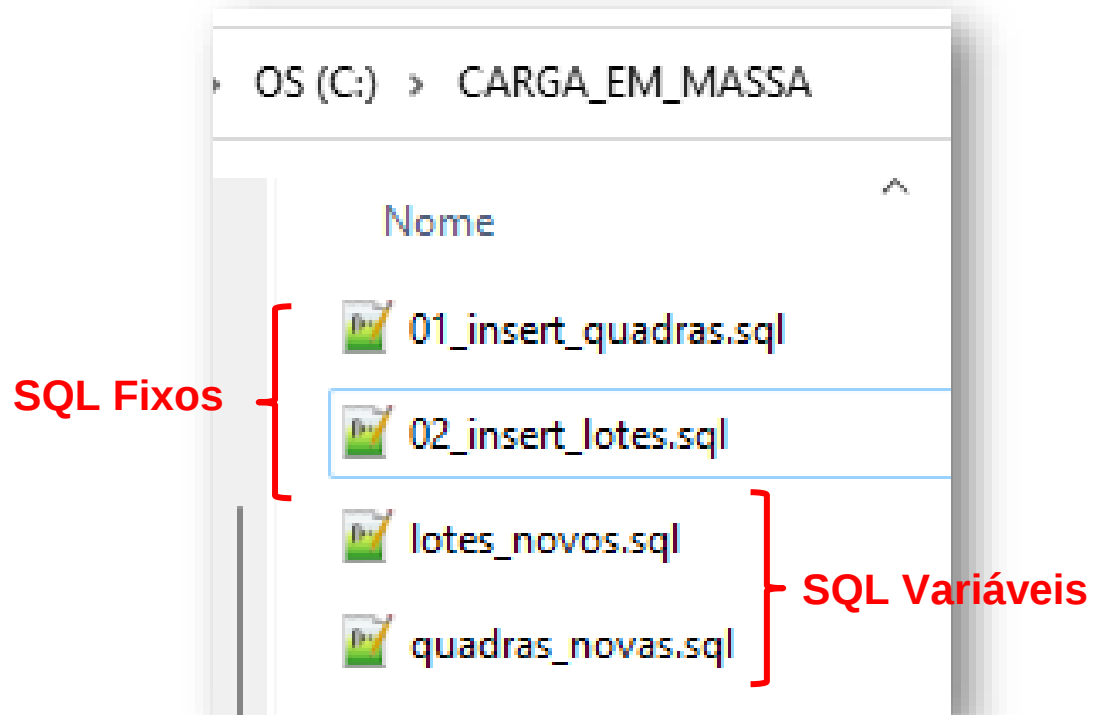


No QGIS, Gerar SQL dos Lotes Novos



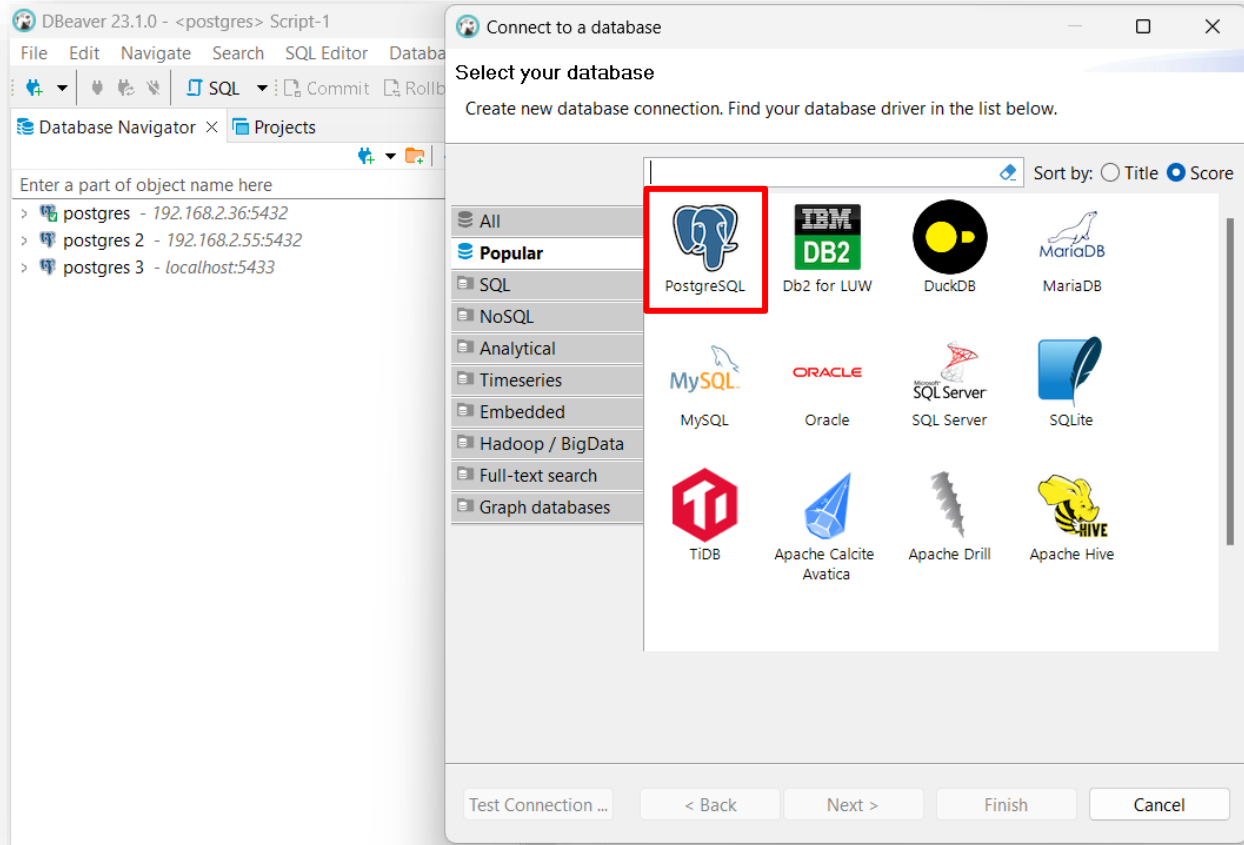
ENGEFOTO

No QGIS, SQL Gerados

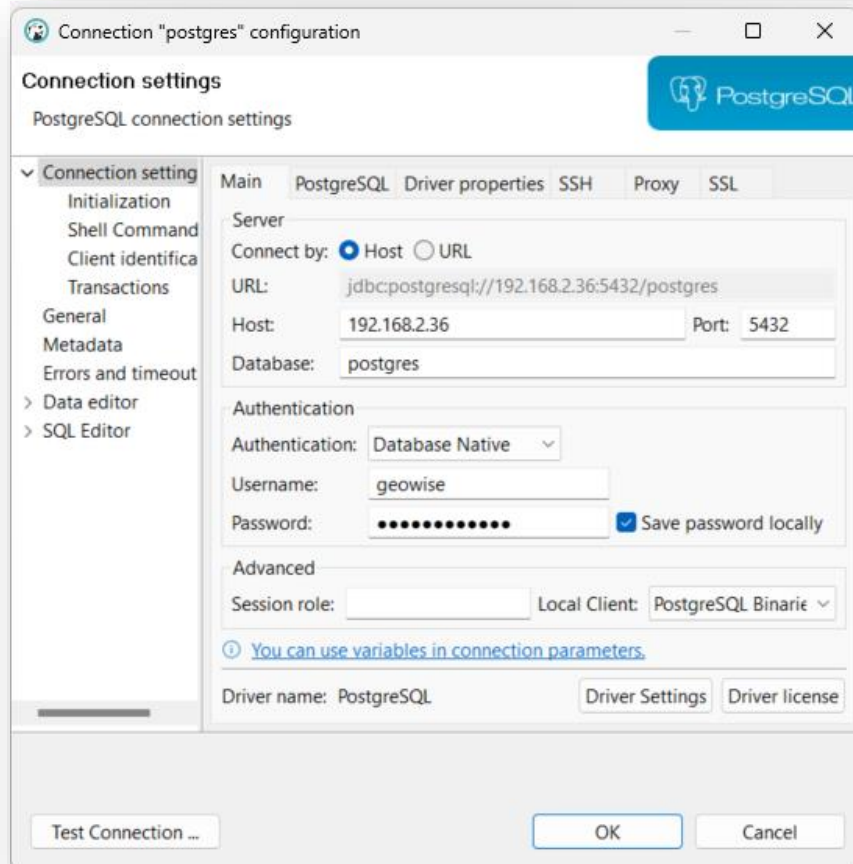


Carga de Quadras

No Dbeaver, Conexão PostgreSQL

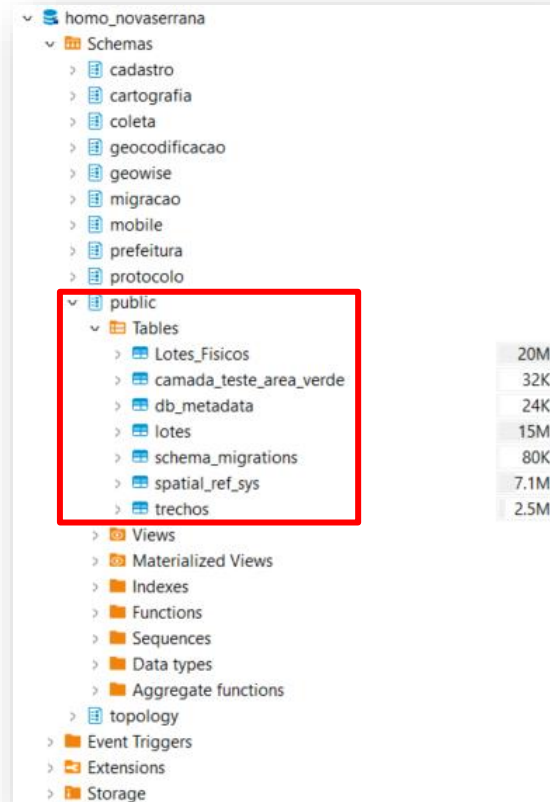


No DBeaver, Conexão PostgreSQL



Estes dados de acesso são para a infra da Engefoto, que serão substituídos para acesso à infra da Prefeitura.

No DBeaver, Esquema Temporário (Public)



ENGEFOTO

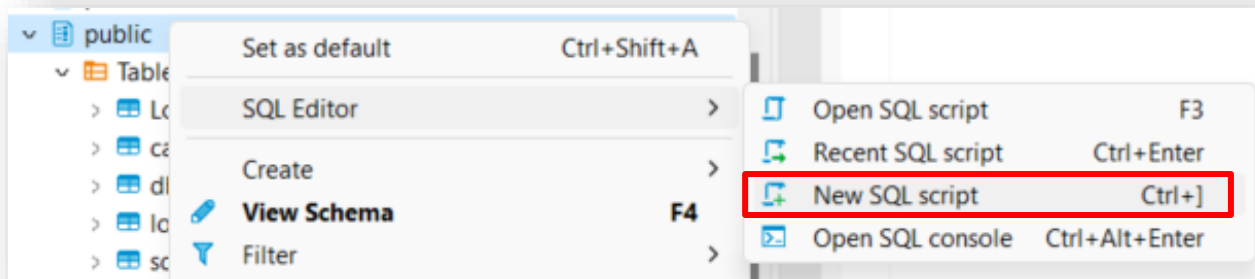
No DBeaver, Carga das Quadras

C:\CARGA_EM_MASSA\quadras_novas.sql - Notepad++

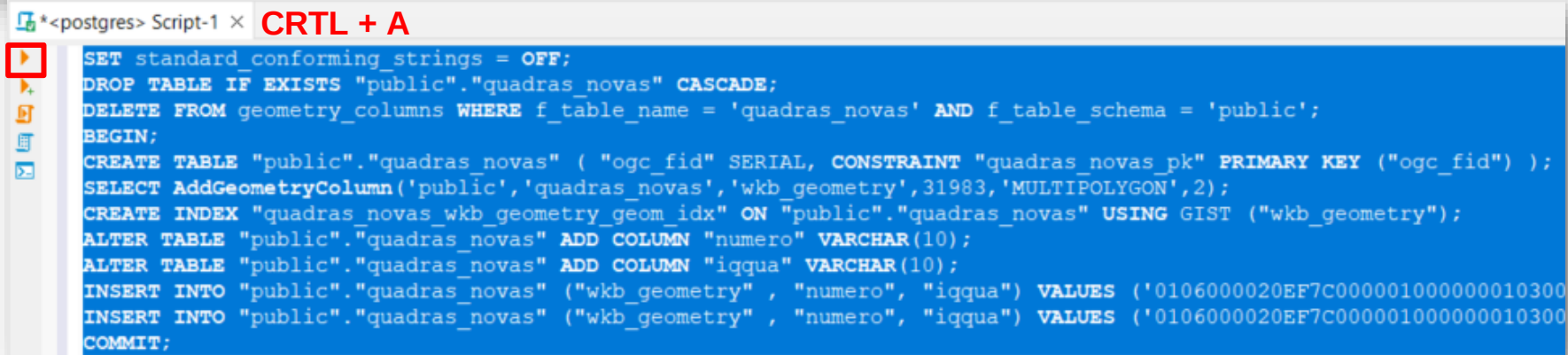
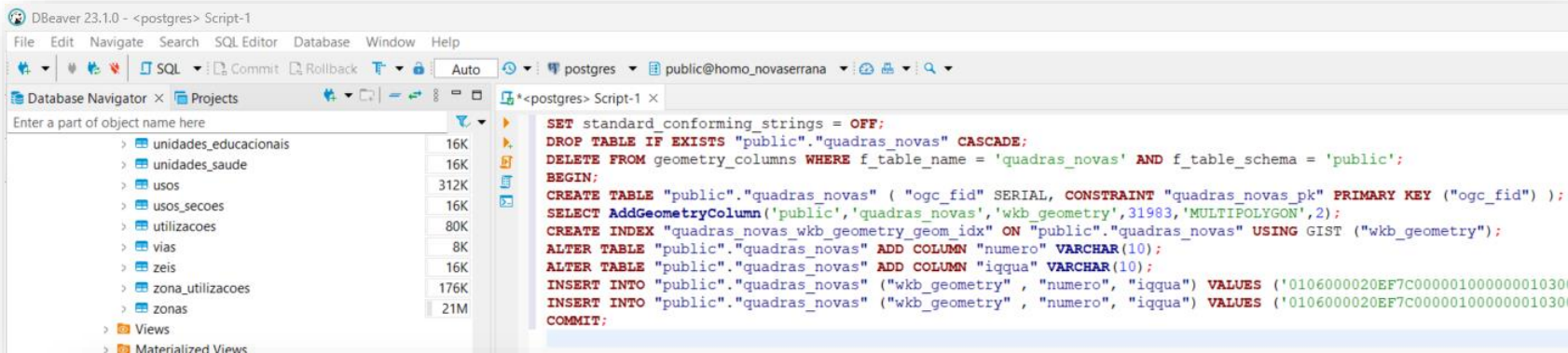
Arquivo Editar Localizar Visualizar Formatar Linguagem Configurações Ferramentas Macro Executar Plugins Janela ?

lotes_novas.sql x quadras_novas.sql x

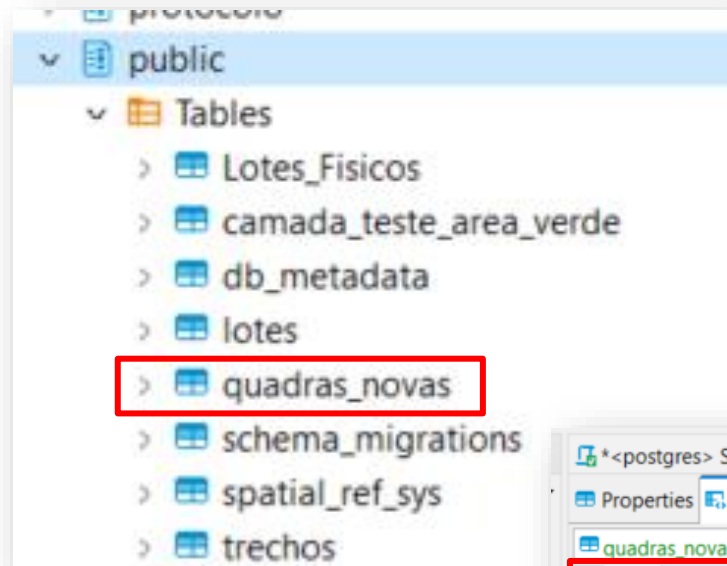
```
1 SET standard_conforming_strings = OFF;
2 DROP TABLE IF EXISTS "public"."quadras_novas" CASCADE;
3 DELETE FROM geometry_columns WHERE f_table_name = 'quadras_novas' AND f_table_schema = 'public';
4 BEGIN;
5 CREATE TABLE "public"."quadras_novas" ( "ogc_fid" SERIAL, CONSTRAINT "quadras_novas_pk" PRIMARY KEY ("ogc_fid") );
6 SELECT AddGeometryColumn('public','quadras_novas','wkb_geometry',31983,'MULTIPOLYGON',2);
7 CREATE INDEX "quadras_novas_wkb_geometry_geom_idx" ON "public"."quadras_novas" USING GIST ("wkb_geometry");
8 ALTER TABLE "public"."quadras_novas" ADD COLUMN "numero" VARCHAR(10);
9 ALTER TABLE "public"."quadras_novas" ADD COLUMN "iqqua" VARCHAR(10);
10 INSERT INTO "public"."quadras_novas" ("wkb_geometry" , "numero", "iqqua") VALUES ('0106000020EF7C00000010000000103000
11 INSERT INTO "public"."quadras_novas" ("wkb_geometry" , "numero", "iqqua") VALUES ('0106000020EF7C00000010000000103000
12 COMMIT;
```



No DBeaver, Carga das Quadras



No DBeaver, Quadras Novas criadas (Public)



A screenshot of the DBeaver Data Editor window showing the 'quadras_novas' table. The table has two columns: 'ogc_fid' and 'wkb_geometry'. Two rows of data are visible, both highlighted with a red rectangular box.

	ogc_fid	wkb_geometry
1	1	MULTIPOLYGON (((502596.8654952126 7799506.893435338, 502636.83599022427 7799505.35708803, 502648.83765824145 7799504.895913478, 502688.8081446621 7799503.35967322, 502596.8654952126 7799506.893435338)))
2	2	MULTIPOLYGON (((502648.83765824145 7799504.895913478, 502688.8081446621 7799503.35967322, 502636.83599022427 7799505.35708803, 502596.8654952126 7799506.893435338, 502648.83765824145 7799504.895913478)))

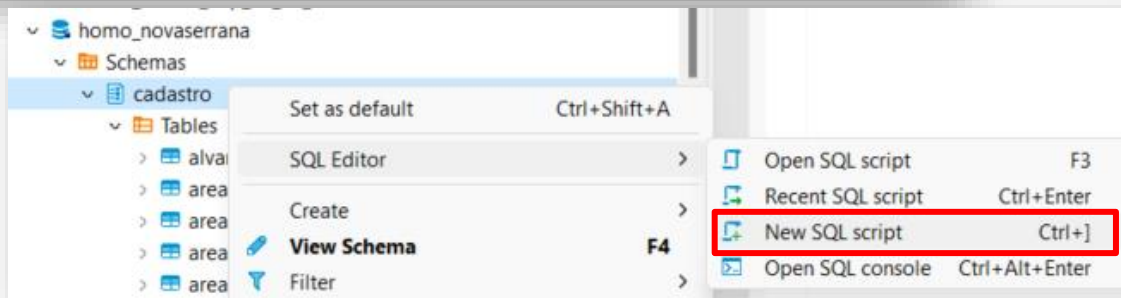
No DBeaver, Carga Quadras Novas (Cadastro)

C:\CARGA_EM_MASSA\01_insert_quadras.sql - Notepad++

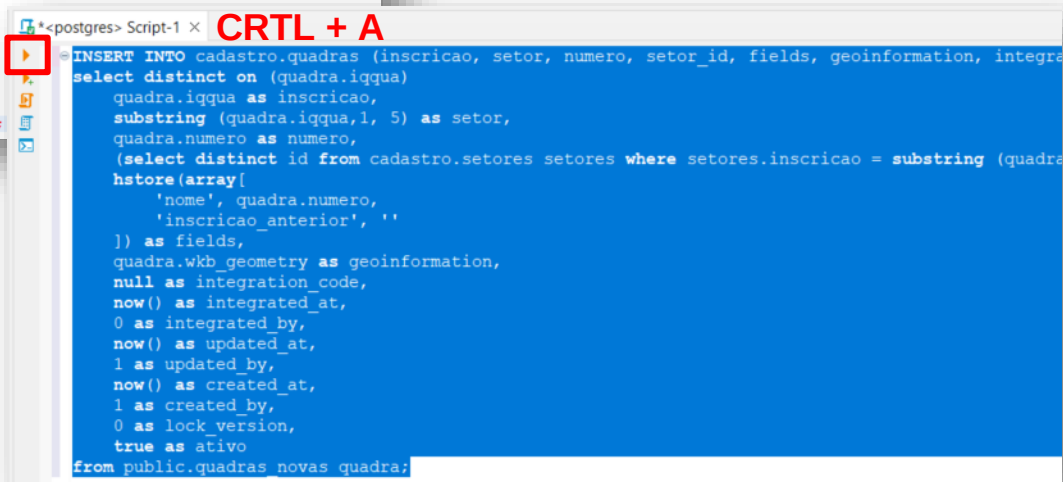
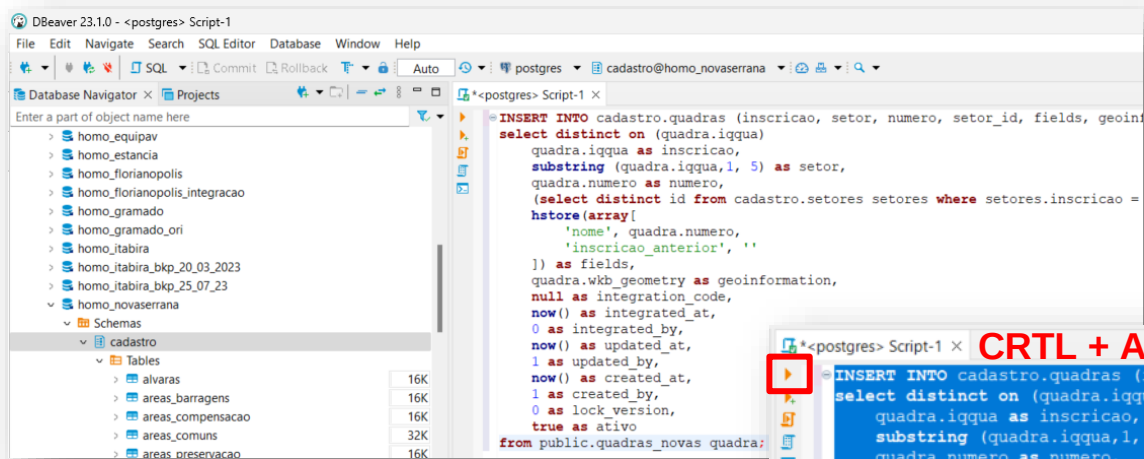
Arquivo Editar Localizar Visualizar Formatar Linguagem Configurações Ferramentas Macro Executar Plugins Janela ?

quadras_novas.sql 01_insert_quadras.sql

```
1 INSERT INTO cadastro.quadras (inscricao, setor, numero, setor_id, fields, geoinformation, integration_code, integrated_at, in
2 select distinct on (quadra.igqua)
3   quadra.igqua as inscricao,
4   substring (quadra.igqua,1, 5) as setor,
5   quadra.numero as numero,
6   (select distinct id from cadastro.setores where setores.inscricao = substring (quadra.igqua,1, 5)) as setor_id,
7   hstore(array[
8     'nome', quadra.numero,
9     'inscricao_anterior', ''
10  ]) as fields,
11   quadra.wkb_geometry as geoinformation,
12   null as integration_code,
13   now() as integrated_at,
14   0 as integrated_by,
15   now() as updated_at,
16   1 as updated_by,
17   now() as created_at,
18   1 as created_by,
19   0 as lock_version,
20   true as ativo
21 from public.quadras_novas quadra;
22
```



No DBeaver, Carga Quadras (Cadastro)



No QGIS, Quadras Novas (Cadastro:quadras)

The screenshot displays the QGIS interface. On the left, the 'Database Navigator' panel shows a tree of database objects. The 'quadras' table is highlighted with a red box. On the right, the 'Data' view of the 'quadras' table is shown. The table has five columns: 'id', 'inscricao', 'numero', and 'setor_id'. The first two rows of data are highlighted with a red box.

id	inscricao	numero	setor_id
1	4,134	12.12.013	013
2	4,133	12.12.010	010
3	4,130	41.02.008	008
4	4,129	41.02.007	007
5	4,128	41.02.006	006
6	4,127	41.02.005	005
7	4,126	41.02.004	004
8	4,125	41.02.003	003
9	4,124	41.02.002	002
10	4,123	41.02.001	001

No GEOSerrana, Quadras Geradas

Nova Serrana

Logradouros	Trechos de Logradouros	Quadras
	Inscrição	Nome
☐	41.02.004	004
☐	41.02.005	005
☐	41.02.006	006
☐	41.02.007	007
☐	41.02.008	008
☐	12.12.010	010
☐	12.12.013	013

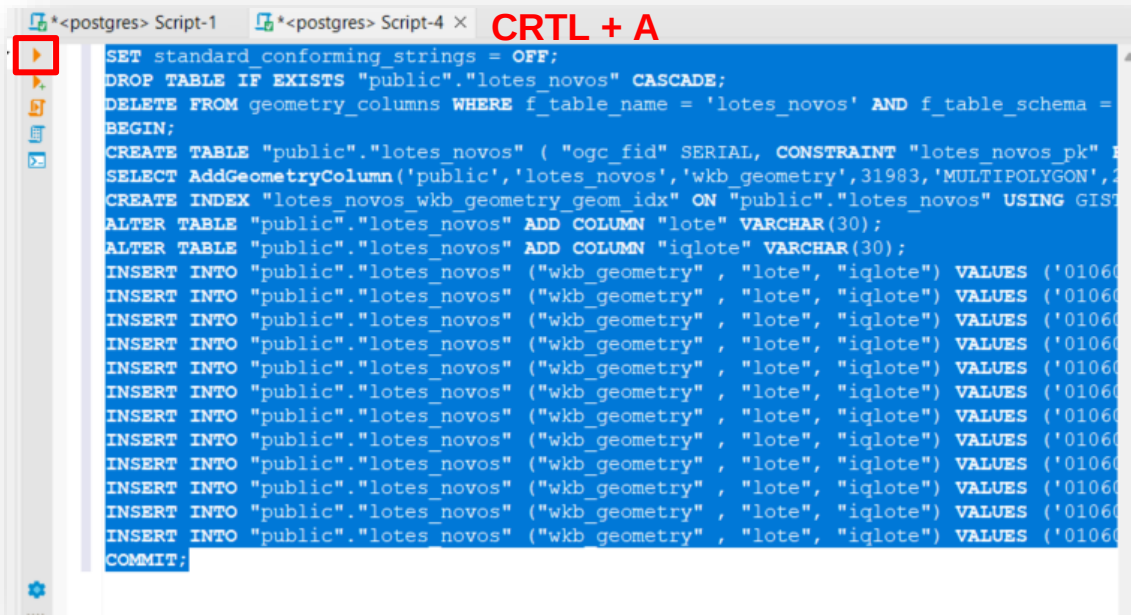


Carga de Lotes

No DBeaver, SQL da Carga Lotes (Public)

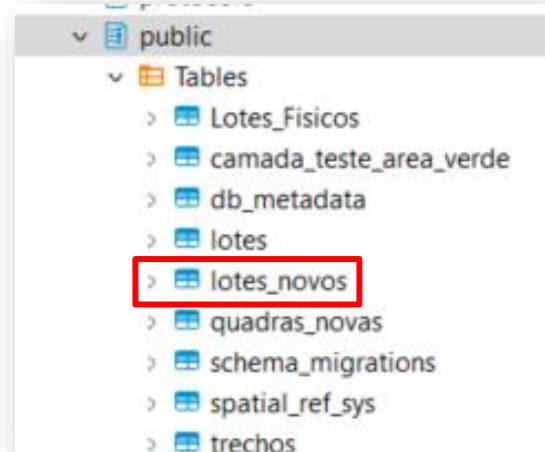


No DBeaver, Lotes Novos gerados (Public)



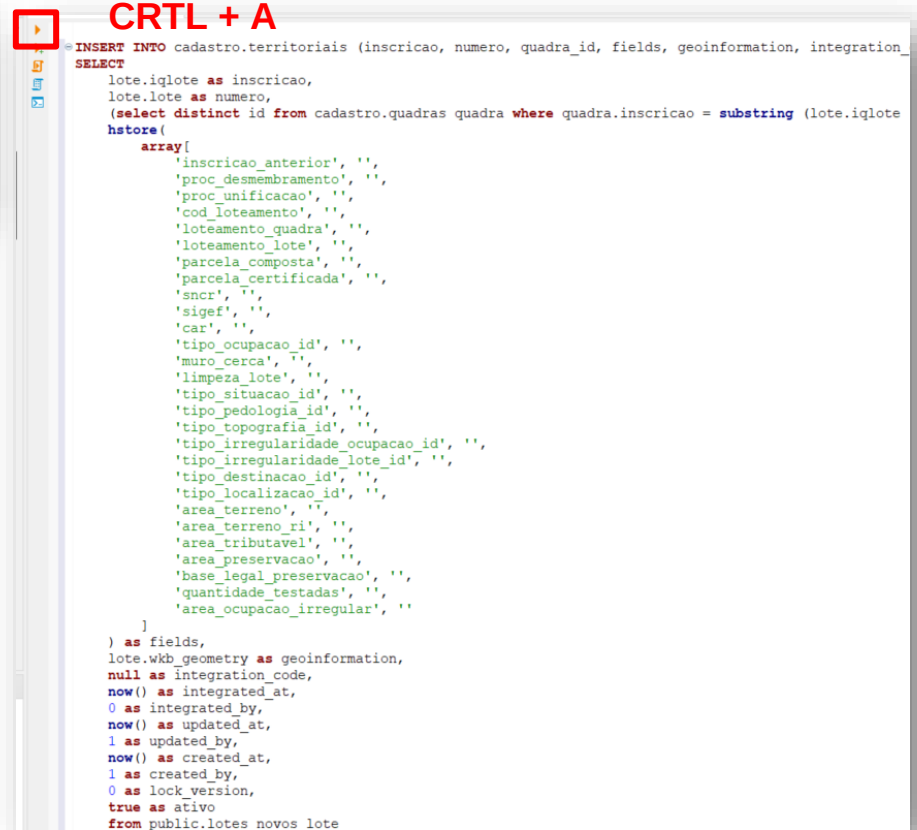
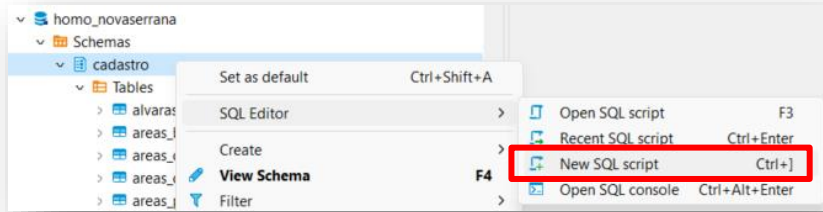
```
SET standard_conforming_strings = OFF;
DROP TABLE IF EXISTS "public"."lotes_novos" CASCADE;
DELETE FROM geometry_columns WHERE f_table_name = 'lotes_novos' AND f_table_schema =
BEGIN;
CREATE TABLE "public"."lotes_novos" ( "ogc_fid" SERIAL, CONSTRAINT "lotes_novos_pk"
SELECT AddGeometryColumn('public','lotes_novos','wkb_geometry',31983,'MULTIPOLYGON',2
CREATE INDEX "lotes_novos_wkb_geometry_geom_idx" ON "public"."lotes_novos" USING GIST
ALTER TABLE "public"."lotes_novos" ADD COLUMN "lote" VARCHAR(30);
ALTER TABLE "public"."lotes_novos" ADD COLUMN "iglote" VARCHAR(30);
INSERT INTO "public"."lotes_novos" ("wkb_geometry" , "lote" , "iglote") VALUES ('01060
INSERT INTO "public"."lotes_novos" ("wkb_geometry" , "lote" , "iglote") VALUES ('01060
INSERT INTO "public"."lotes_novos" ("wkb_geometry" , "lote" , "iglote") VALUES ('01060
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INSERT INTO "public"."lotes_novos" ("wkb_geometry" , "lote" , "iglote") VALUES ('01060
INSERT INTO "public"."lotes_novos" ("wkb_geometry" , "lote" , "iglote") VALUES ('01060
COMMIT;
```

F5 (Refresh)

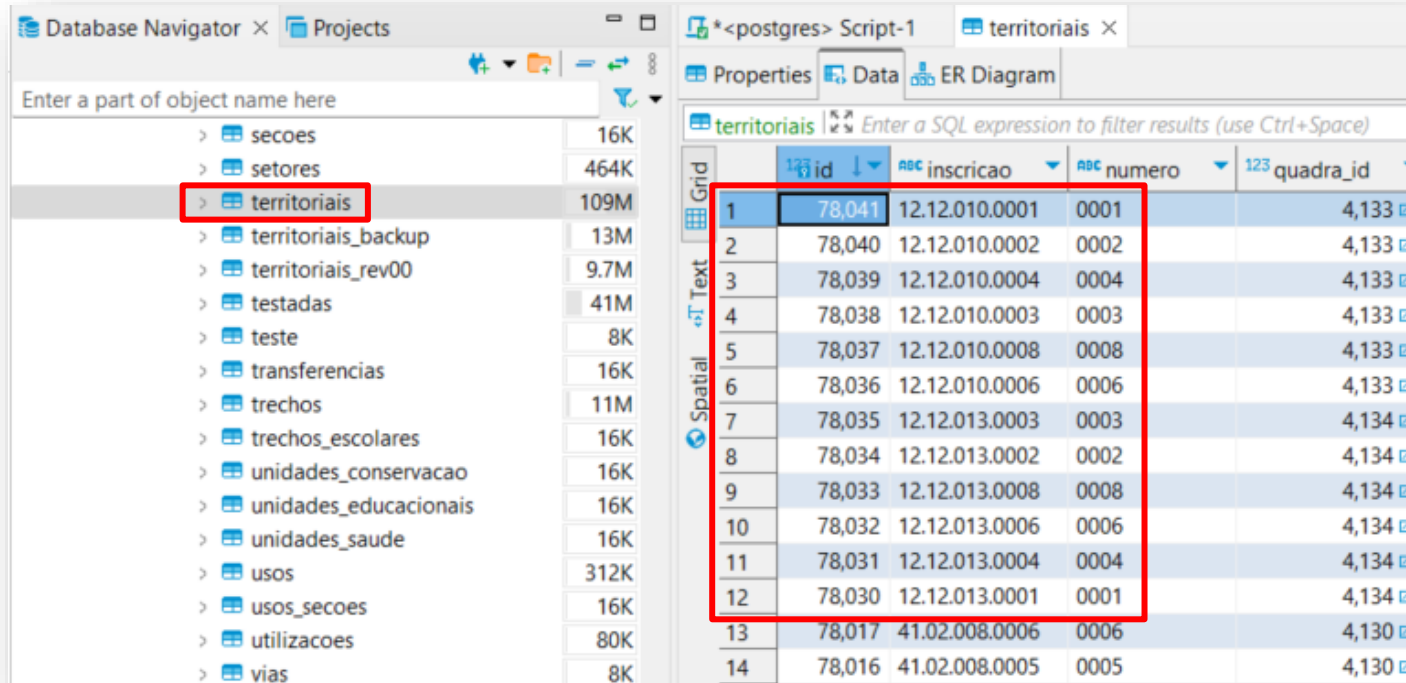


ENGEFOTO

No DBeaver, SQL da Carga Lotes (Cadastro)



No DBeaver, Lotes Novos (Cadastro:territoriais)



Database Navigator × Projects

Enter a part of object name here

- > secoes 16K
- > setores 464K
- > **territoriais 109M**
- > territoriais_backup 13M
- > territoriais_rev00 9.7M
- > testadas 41M
- > teste 8K
- > transferencias 16K
- > trechos 11M
- > trechos_escolares 16K
- > unidades_conservacao 16K
- > unidades_educacionais 16K
- > unidades_saude 16K
- > usos 312K
- > usos_secoes 16K
- > utilizacoes 80K
- > vias 8K

*<postgres> Script-1 territoriais ×

Properties Data ER Diagram

territoriais Enter a SQL expression to filter results (use Ctrl+Space)

	id	inscricao	numero	quadra_id
1	78,041	12.12.010.0001	0001	4,133
2	78,040	12.12.010.0002	0002	4,133
3	78,039	12.12.010.0004	0004	4,133
4	78,038	12.12.010.0003	0003	4,133
5	78,037	12.12.010.0008	0008	4,133
6	78,036	12.12.010.0006	0006	4,133
7	78,035	12.12.013.0003	0003	4,134
8	78,034	12.12.013.0002	0002	4,134
9	78,033	12.12.013.0008	0008	4,134
10	78,032	12.12.013.0006	0006	4,134
11	78,031	12.12.013.0004	0004	4,134
12	78,030	12.12.013.0001	0001	4,134
13	78,017	41.02.008.0006	0006	4,130
14	78,016	41.02.008.0005	0005	4,130



No GEOSerrana, Lotes Gerados (Territoriais)

Nova Serrana

Unidades Territoriais

Inscrição	Inscrição anterior	Proc. Desmembramento	Proc. Unificação	Cód. Loteamento	Loteamento Quadra	Loteamento Lote	Parcela ci	Parcela ci C
12.12.013.0001							Não	Não
12.12.013.0004							Não	Não
12.12.013.0006							Não	Não
12.12.013.0008							Não	Não
12.12.013.0002							Não	Não
12.12.013.0003							Não	Não
12.12.010.0006							Não	Não
12.12.010.0008							Não	Não
12.12.010.0003							Não	Não
12.12.010.0004							Não	Não

Página 1 de 1

Exportar Shp | Zoom para as feições | Limpar filtros



ENGEFOTO



ENGEFOTO

Onde tem desenvolvimento, tem Engefoto.

Vamos para a prática !!!