

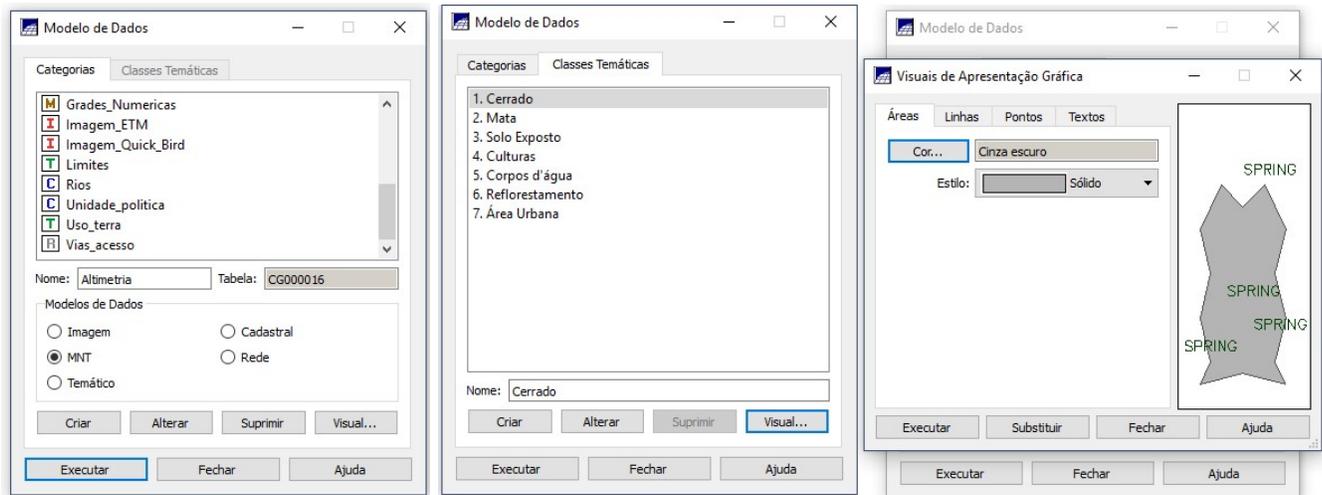
INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

Introdução ao Geoprocessamento - SER 300

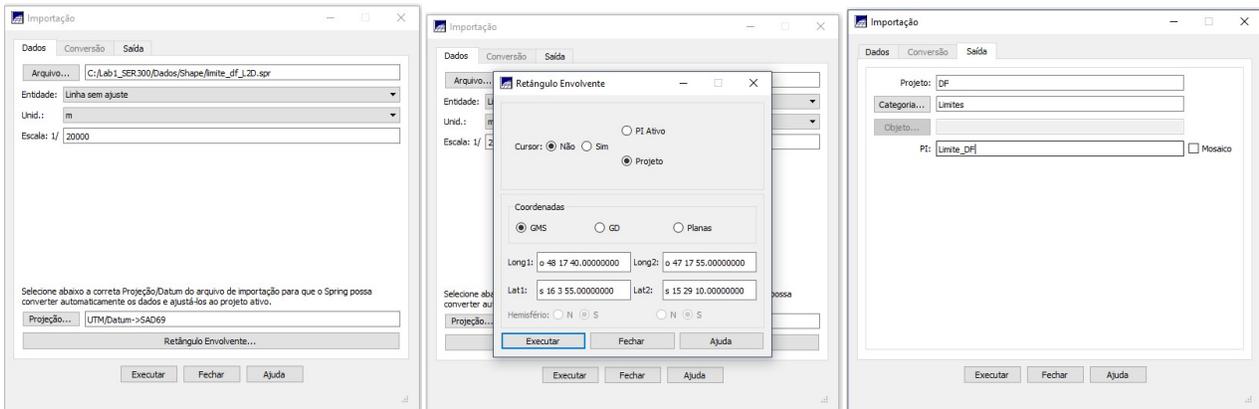
LABORATÓRIO 1 - MODELAGEM DA BASE DE DADOS

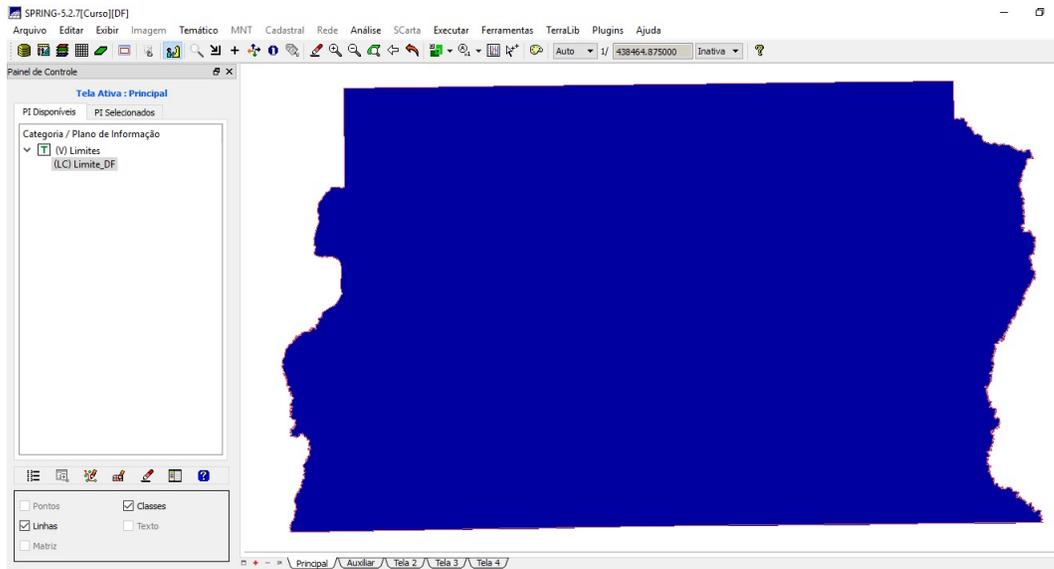
Aluno: Jéssica Villela Sampaio - 139343

Exercício 1: Modelagem do Banco - OMT-G

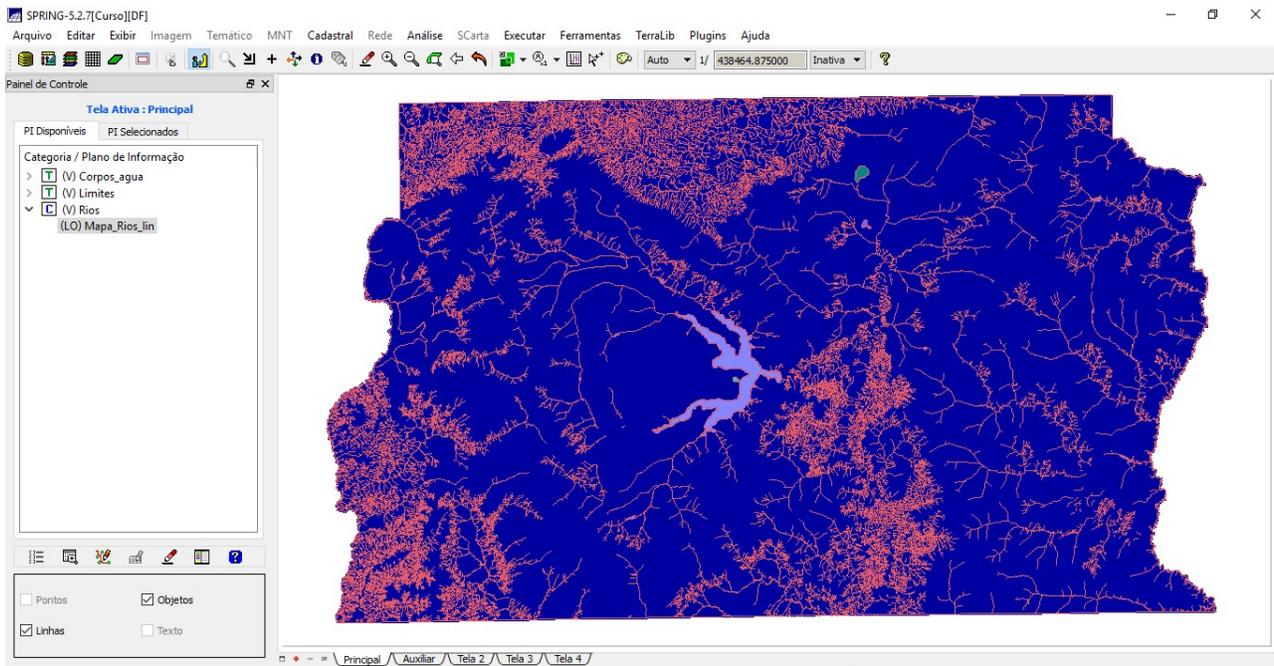


Exercício 2: Importando Limite do Distrito Federal

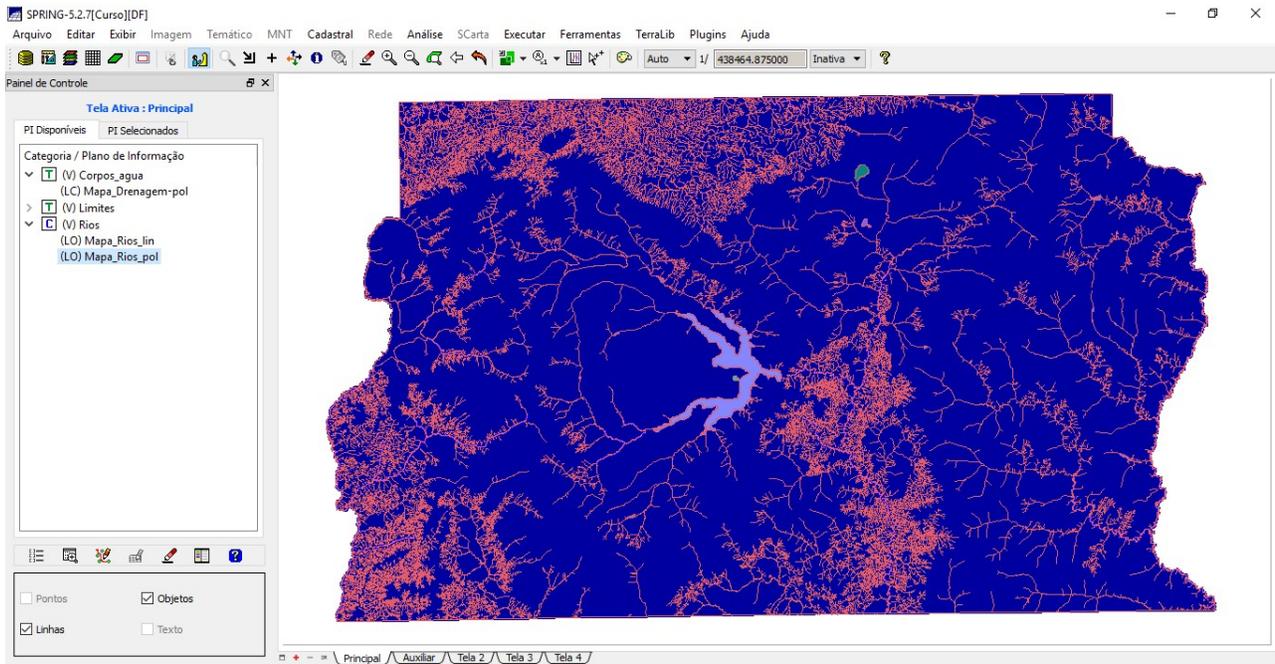




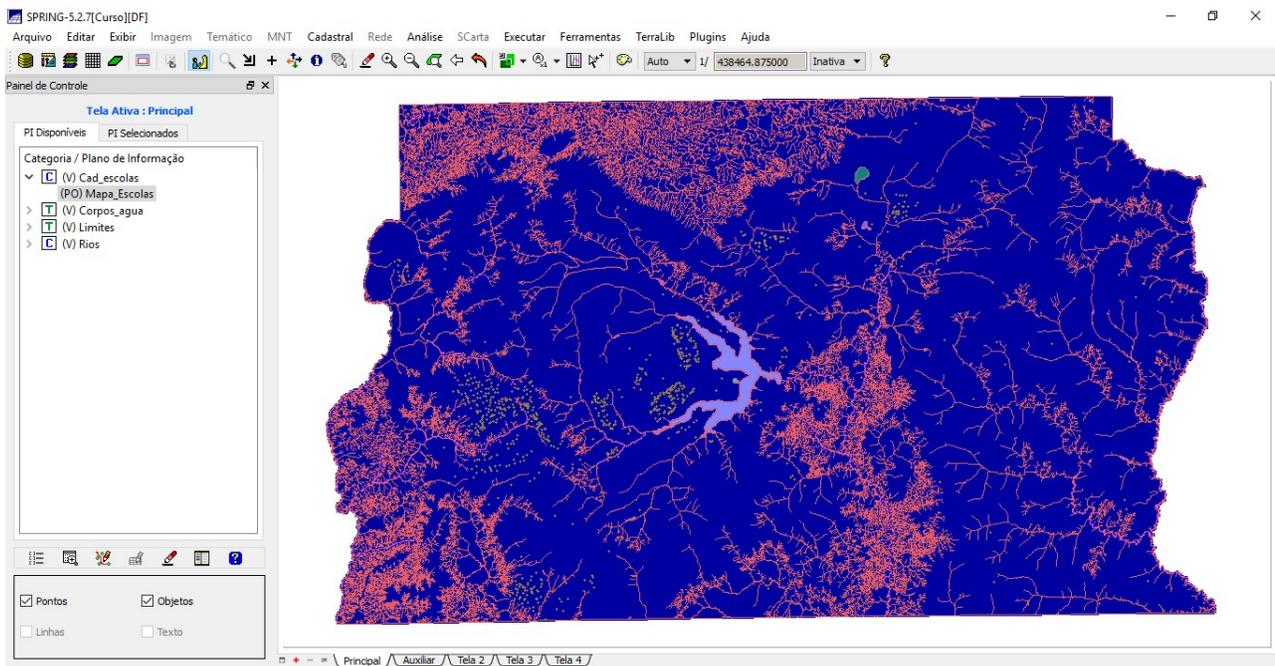
Exercício 3: Importando corpos d'água



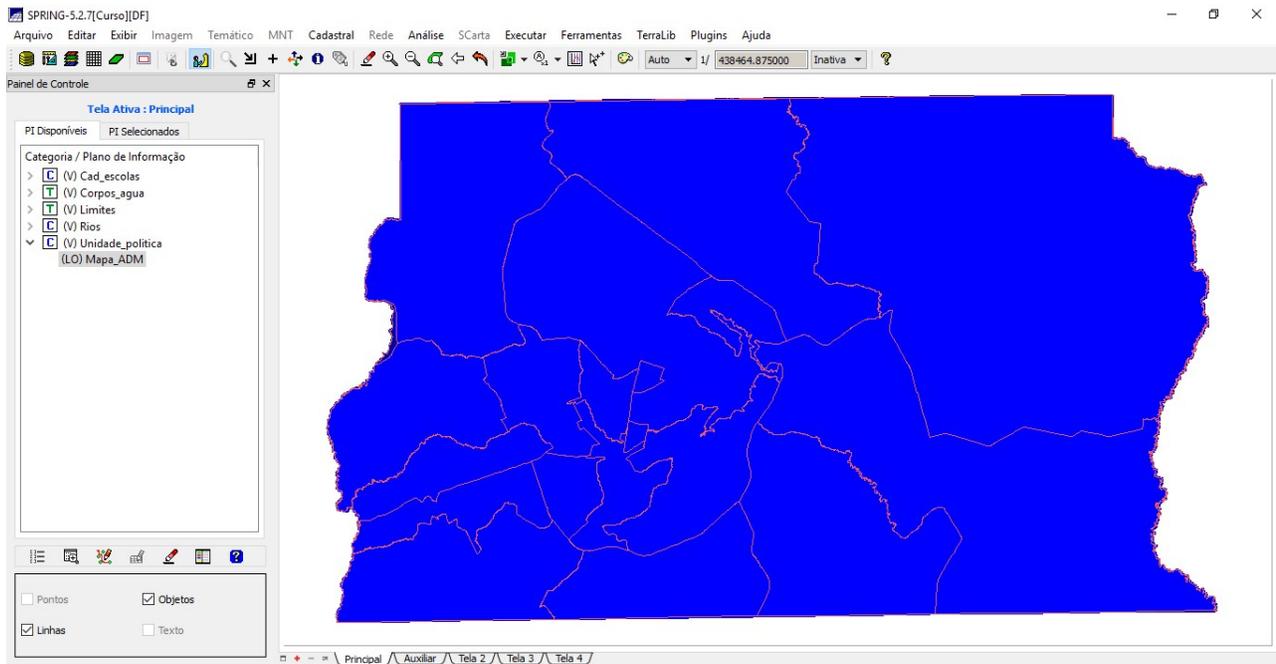
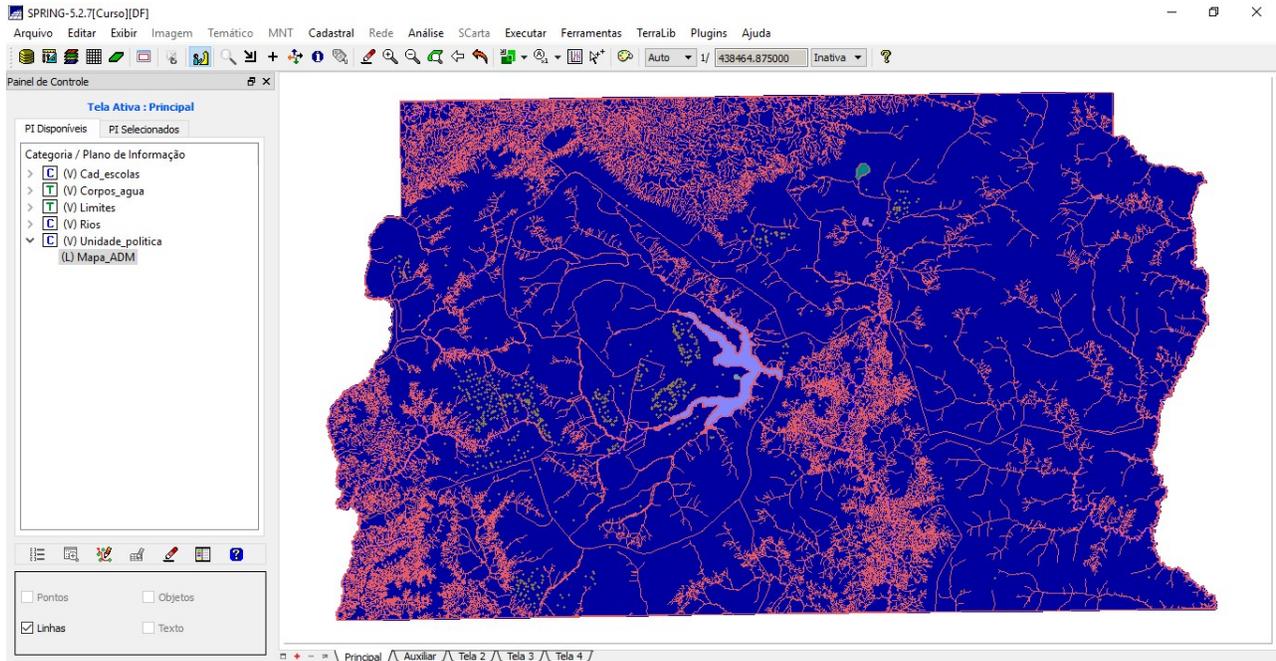
Exercício 4: Importando Rios de arquivo Shape.



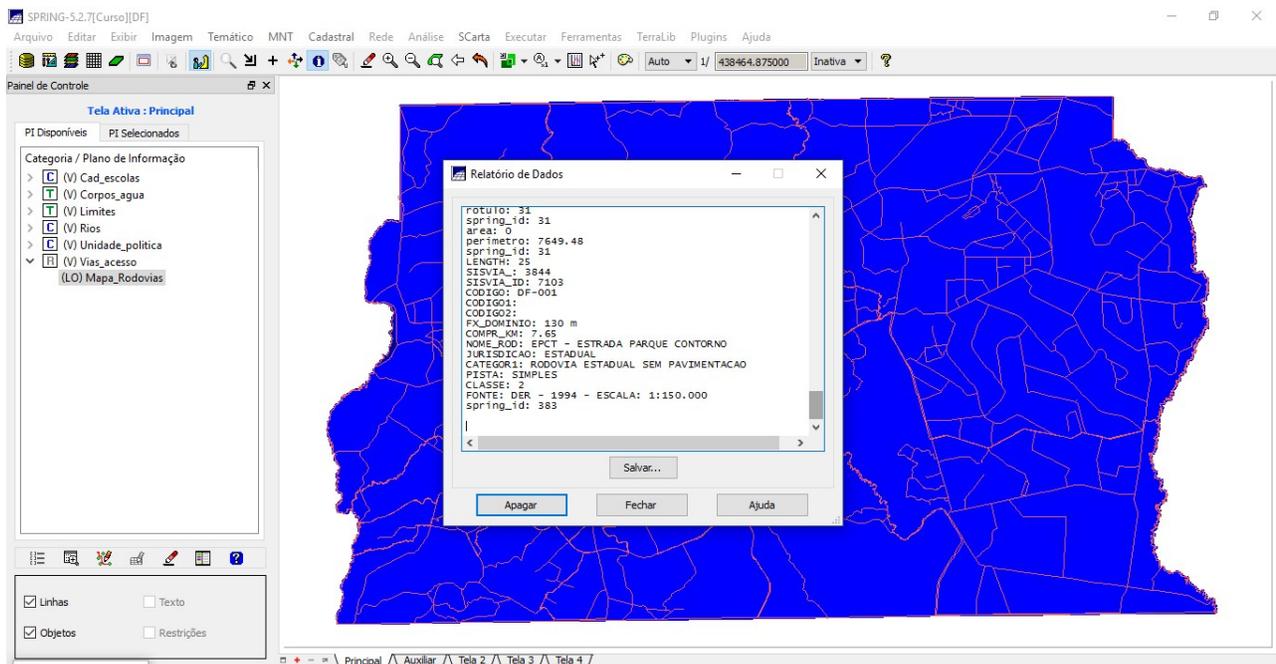
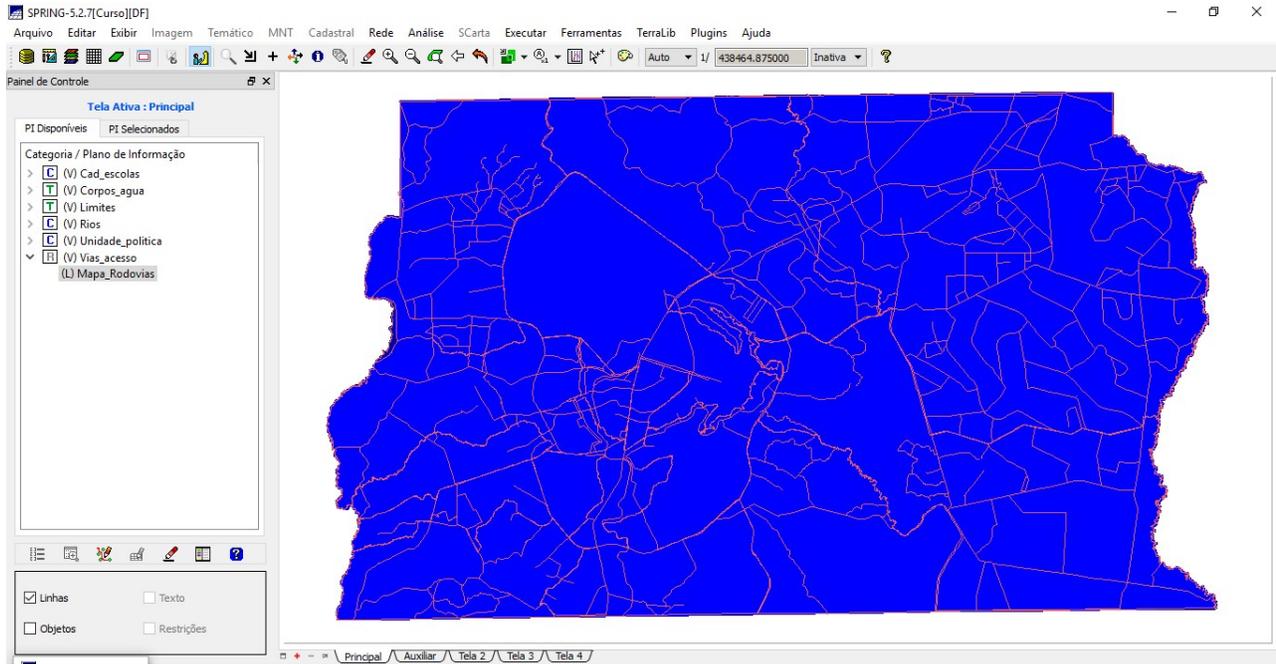
Exercício 5: Importando Escolas de arquivo Shape.



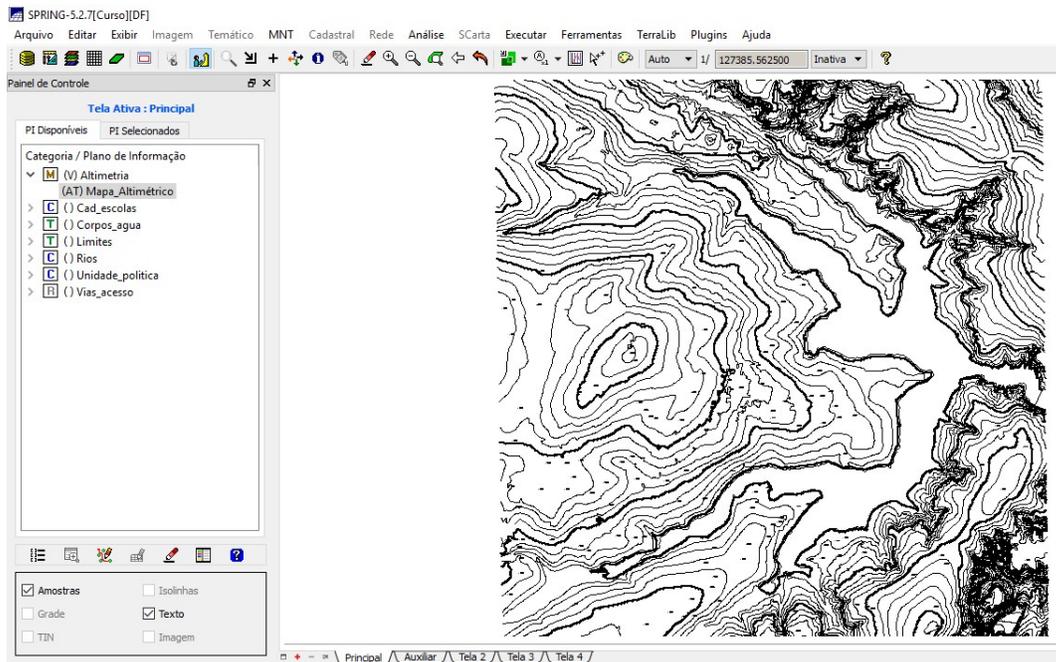
Exercício 6: Importando Regiões Administrativas de arquivos ASCII-SPRING.



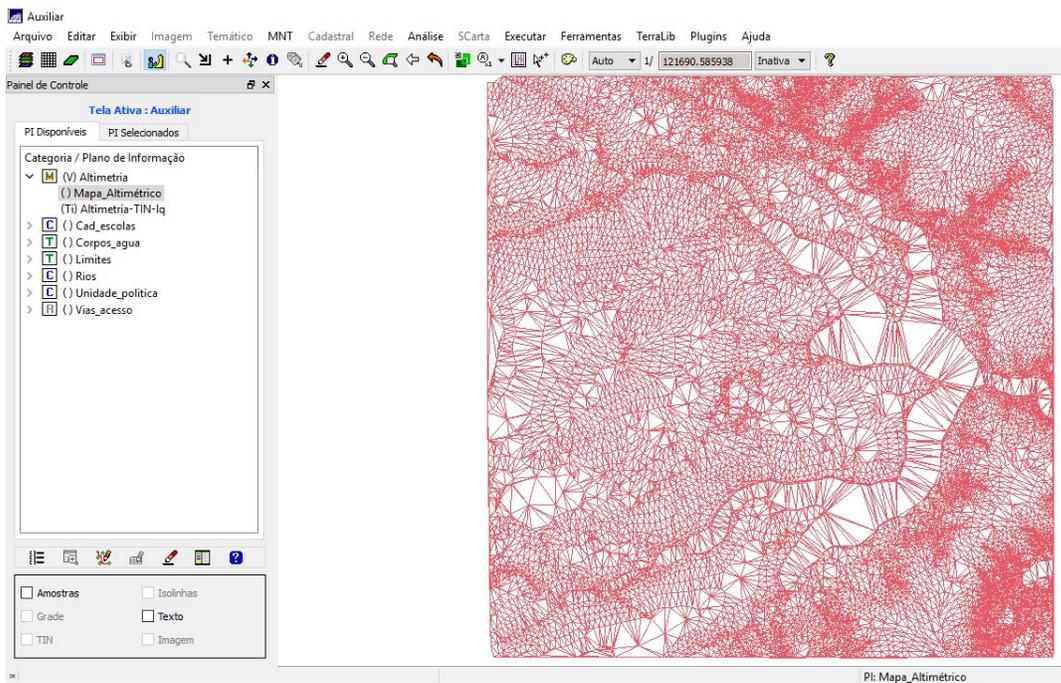
Exercício 7: Importando Rodovias de arquivos ASCII-SPRING.



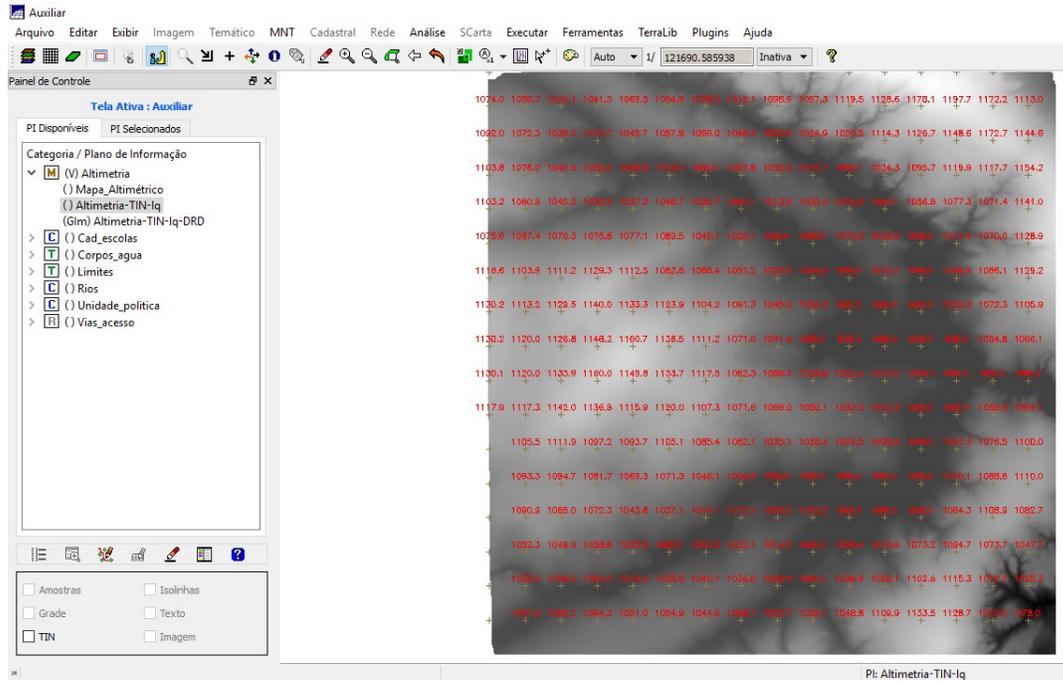
Exercício 8: Importando Altimetria de arquivos DXF.



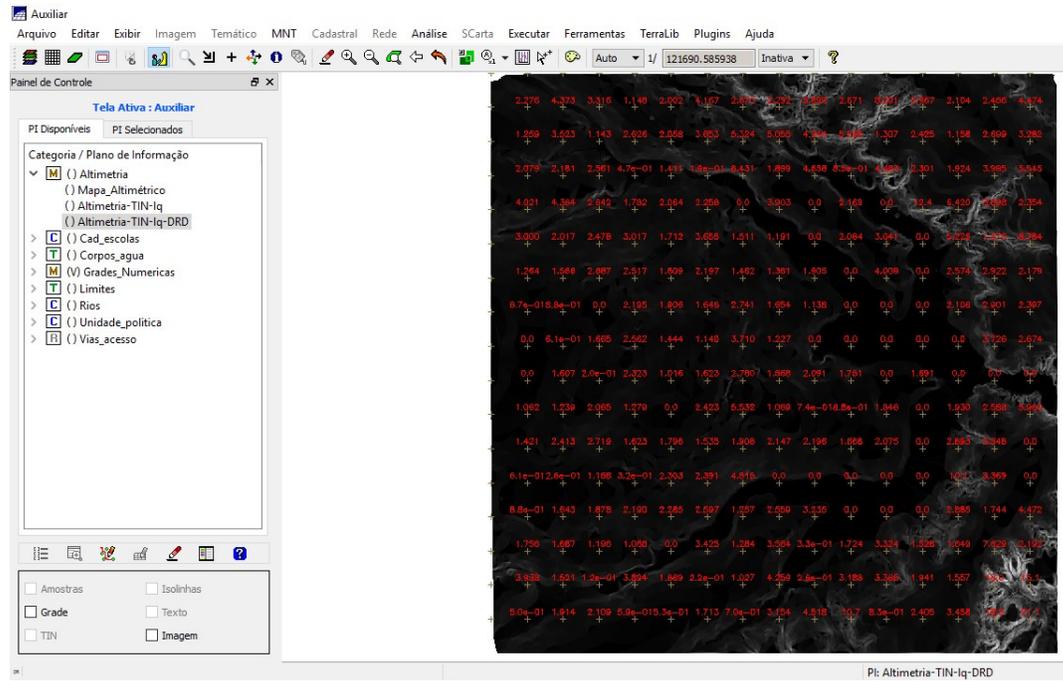
Exercício 9: Gerando grade triangular - TIN.

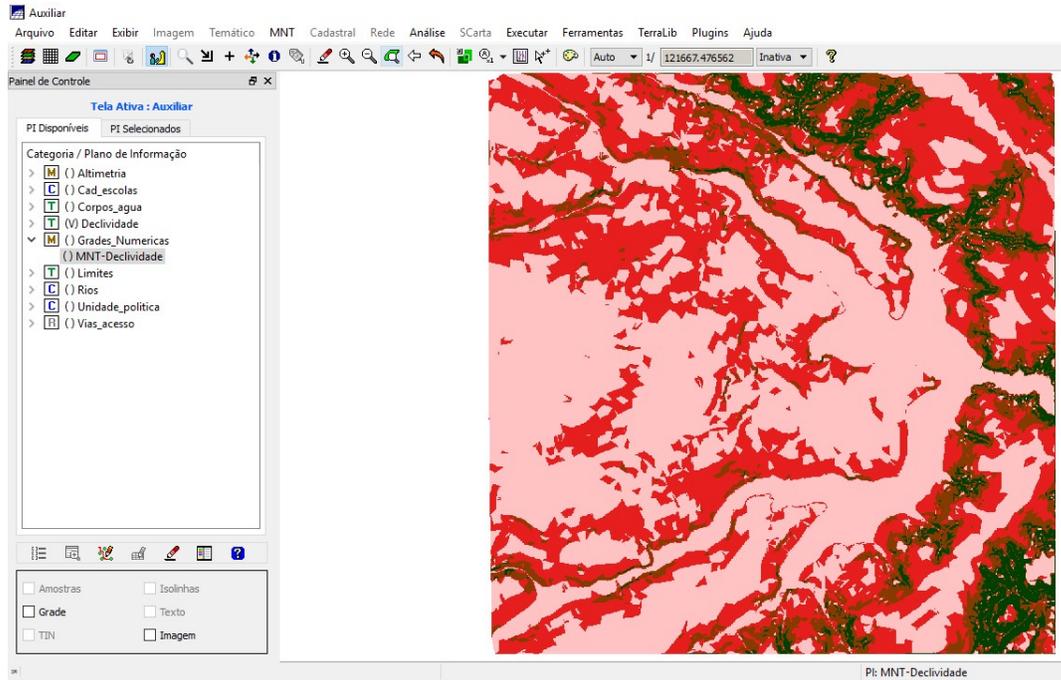


Exercício 10: Gerando grade retangulares a partir do TIN.

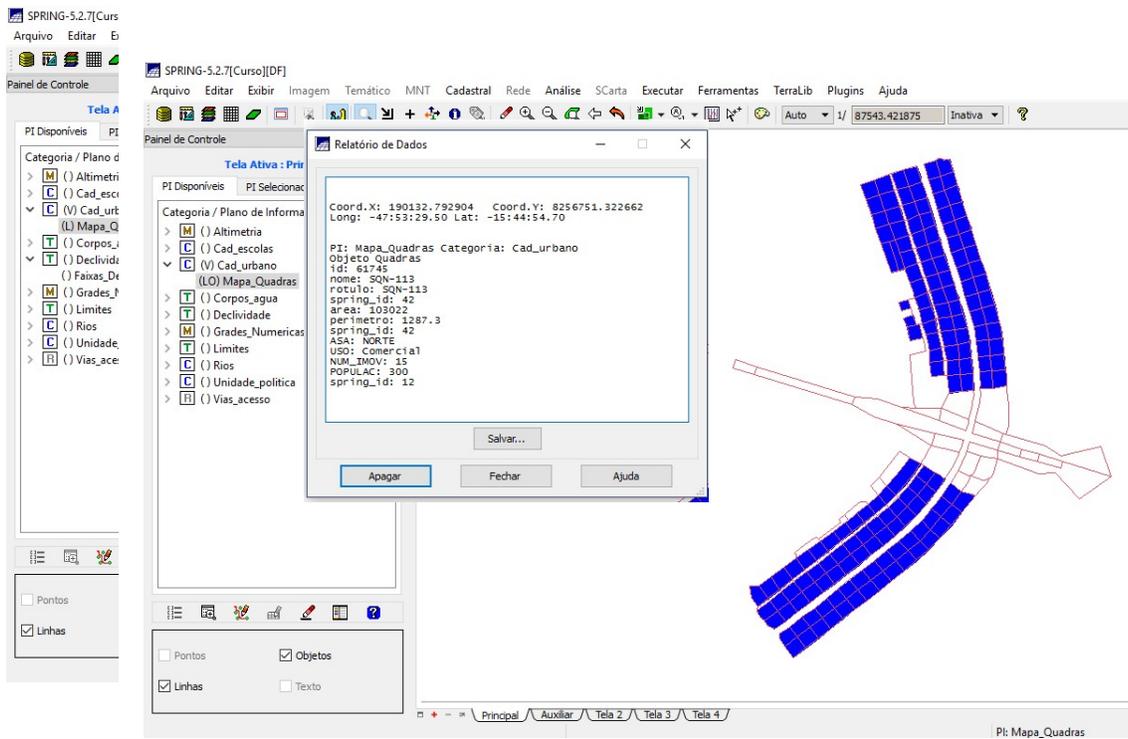


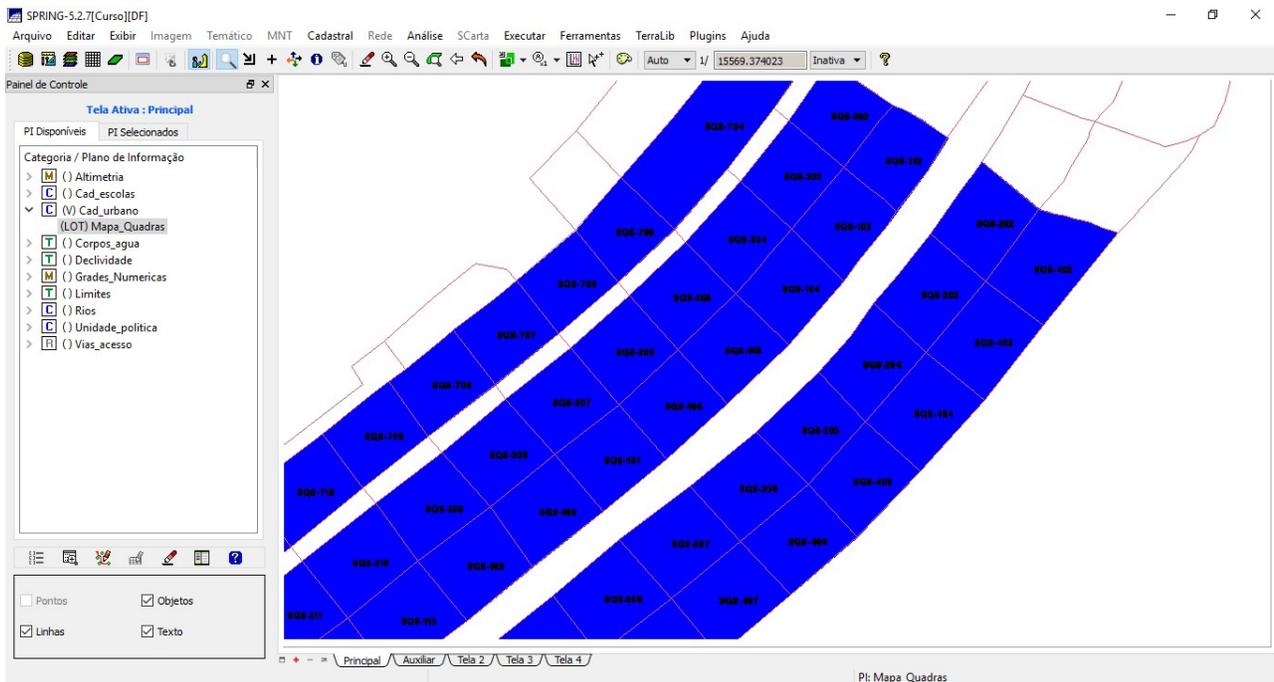
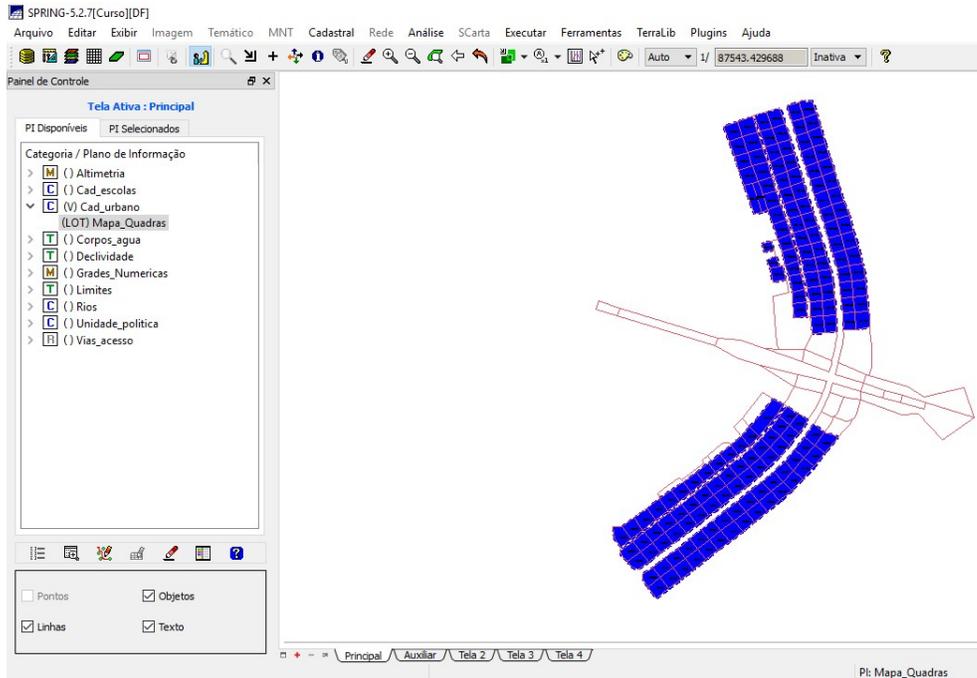
Exercício 11: Gerando grade de declividade e fatiamento.





Exercício 12: Criando mapa Quadras de Brasília.





	id	nome	rotulo	area	verimetr	ASA	USO	JM_IMC	OPULA
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150

SPRING-5.2.7[Curso][DF]

Arquivo Visualização de Objetos MINT Cadastral Rede Análise SCarta Executar Ferramentas

Panel de Controle

Visualização de Objetos

Quadrados

Corpos_agua

Declividade

Grades_Numericas

Limites

Pontos

Objetos

Linhas

Texto

Tabela

id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA
1	61734	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500
2	61735	SQN-...	110082	1336.19	NORTE	Publico	15	250
3	61736	SQN-...	104903	1310.89	NORTE	Publico	18	300
4	61737	SQN-...	106524	1305.89	NORTE	Publico	100	400
5	61738	SQN-...	101699	1279.4	NORTE	Resid...	120	500
6	61739	SQN-...	95459	1248.97	NORTE	Resid...	35	140
7	61740	SQN-...	108359	1323.46	NORTE	Resid...	24	100
8	61741	SQN-...	104378	1301.07	NORTE	Resid...	24	120
9	61742	SQN-...	113198	1351.42	NORTE	Resid...	30	120
10	61743	SQN-...	112457	1340.52	NORTE	Resid...	30	150

Relatório de Dados

POPULAC :

N. AMOSTRAS 156

N. AUSENTES 0

MINIMO 16

MEDIANA 400.0000000

MAXIMO 5400

SOMA TOTAL 82936.0000000

MEDIA 531.64102564

D. PADRAO 830.91220916

C. VARIACAO 1.56291778

Salvar...

Apagar

Fechar

Ajuda

SPRING-5.2.7[Curso][DF]

Arquivo Editar Exibir Imagem Temático MINT Cadastral Rede Análise SCarta Executar Ferramentas TerraLib Plugins Ajuda

Panel de Controle

Tela Ativa : Principal

Visualização de Objetos

Quadrados

Corpos_agua

Declividade

Grades_Numericas

Limites

Pontos

Objetos

Linhas

Texto

Tabela

id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA
2	61719	SQN-211	115086	1352.1	NORTE	Comercial	15	300
3	61728	SQN-202	111250	1361.1	NORTE	Comercial	18	400
4	61732	SQN-403	120512	1391.1	NORTE	Comercial	100	400
5	61745	SQN-113	103022	1287.3	NORTE	Comercial	50	250
6	61746	SQN-114	105360	1300.16	NORTE	Comercial	23	4569
7	61752	SQN-313	110243	1333.86	NORTE	Comercial	50	500
8	61762	SQN-303	106634	1310.35	NORTE	Comercial	30	150
9	61763	SQN-302	121713	1410.73	NORTE	Comercial		
10	61767	SQN-713	130380	1449.41	NORTE	Comercial		
11	61773	SQN-707	104063	1284.44	NORTE	Comercial		

Gráfico

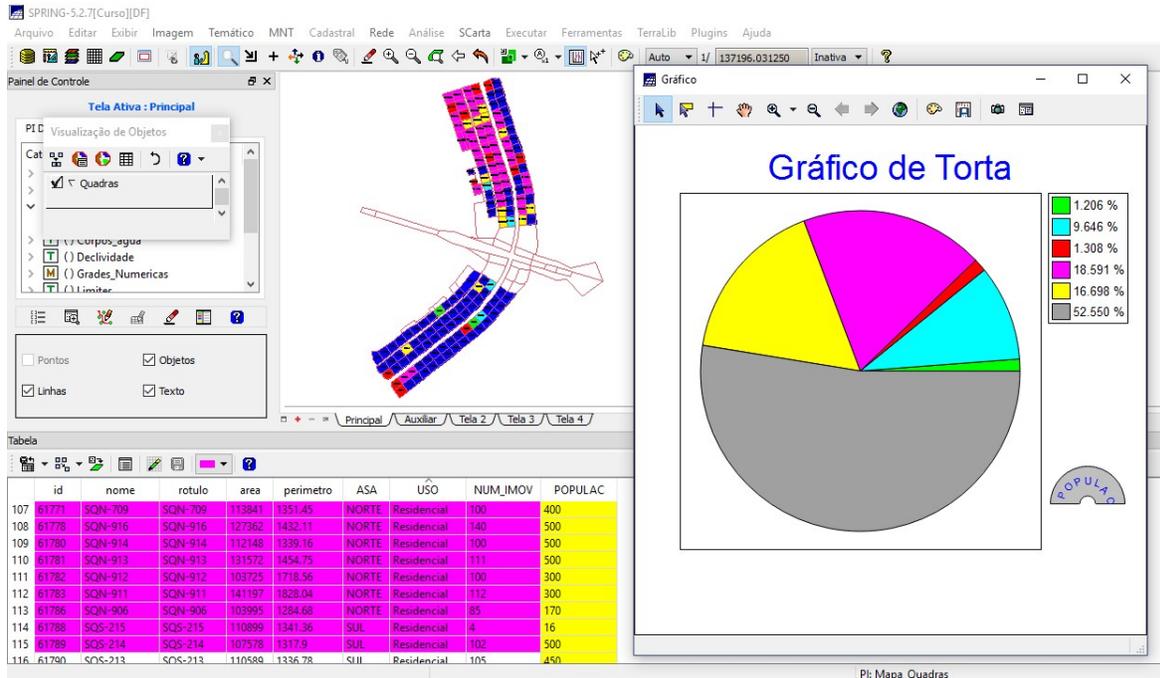
SCATTER PLOT

NUM IMOV

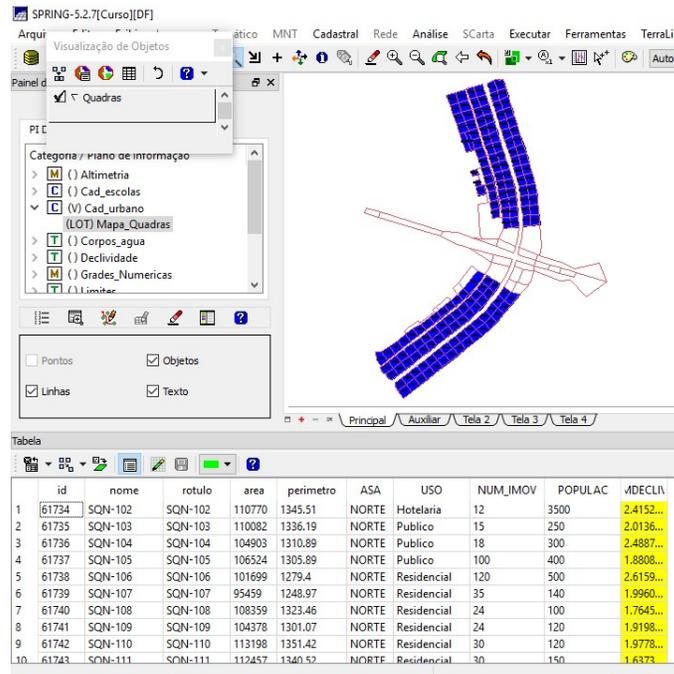
POPULAC

Coef.de Correlação Pearson=0.107

Pt: Mapa_Qc



Exercício 13: Atualizando Atributos utilizando o LEGAL.



Exercício 14: Importação de Imagem Landsat e Quick-Bird.

The screenshots illustrate the workflow in TerraLib 5.2.7:

- Top Left:** Initial state showing the 'Tela Ativa: Principal' panel. The 'Imagem_ETM' layer is selected in the tree view. The map displays a grayscale satellite image.
- Top Right:** A zoomed-in view of the satellite image, labeled 'Pi: B3'.
- Middle Left:** A zoomed-in view of the map with a different layer selected, labeled 'Pi: B4'.
- Middle Right:** A zoomed-in view of the map with a different layer selected, labeled 'Pi: B5'.
- Bottom Left:** A zoomed-in view of the map with a different layer selected, labeled 'Pi: B5'.
- Bottom Right:** A zoomed-in view of the map with a different layer selected, labeled 'Pi: B5'.

The interface includes a menu bar (Arquivo, Editar, Exibir, Imagem, Temático, MNT, Cadastral, Rede, Análise, SCarta, Executar, Ferramentas, TerraLib, Plugins, Ajuda), a toolbar, and a control panel on the left with a tree view of layers. The control panel includes checkboxes for 'M', 'R', 'G', and 'B', and a 'Sintética' checkbox.

Exercício 15: Classificação supervisionada por pixel.

