



INTRODUÇÃO AO GEOPROCESSAMENTO

LAB 1 - Modelagem da Base de Dados Fernanda Rafaela Fernandes Carvalho - 139335

Exercício 1 – Modelagem do Banco – OMT-G p/ SPRING

Passo 1 – Criar o Banco de Dados

Passo 2 – Criar o Projeto

Passo 3 - Criar categorias e classes. Alterar o visual das classes temáticas se desejar

Exercício 2 – Importando Limite do Distrito Federal

Passo 1 - Converter o arquivo Shape para ASCII-SPRING

Passo 2 - Importar os arquivos ASCII

Passo 3 - Ajustar, Poligonalizar e Associar a classe temática

Exercício 3 – Importando Corpos de 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

Passo 1 - Importar arquivo DXF com isolinhas num PI numérico

Passo 2 - Importar arquivo DXF com pontos cotados no mesmo PI das isolinhas

Passo 3 - Gerar toponímia para amostras

Exercício 9 - Gerar grade triangular- TIN

Passo 1 - Importar a drenagem de arquivo DXF para PI temático

Passo 2 - Gerar grade triangular utilizando o PI drenagem como linha de quebra

Exercício 10 - Gerar grades retangulares a partir do TIN

Exercício 11 - Geração de Grade de Declividade e Fatiamento

Exercício 12 - Criar Mapa Quadras de Brasília

Passo 1 - Importar arquivo de linhas para criar mapa cadastral

Passo 2 - Associação automática de objetos e importação de tabela ASCII

Passo 3 - Geração de toponímia dentro de cada polígono

Passo 4 - Carregar módulo de consulta e verificar tabela

Exercício 13 – Atualização de Atributos utilizando o LEGAL

Passo 1 - Criar um novo atributo para o objeto Quadras

Passo 2 - Atualizar atributo pelo operador de média zonal

Exercício 14 – Importação de Imagem Landsat e Quick-Bird

Exercício 15 - Classificação supervisionada por pixel

Passo 1 – Criar uma imagem sintética de fundo

Passo 2 - Criação de um arquivo de contexto

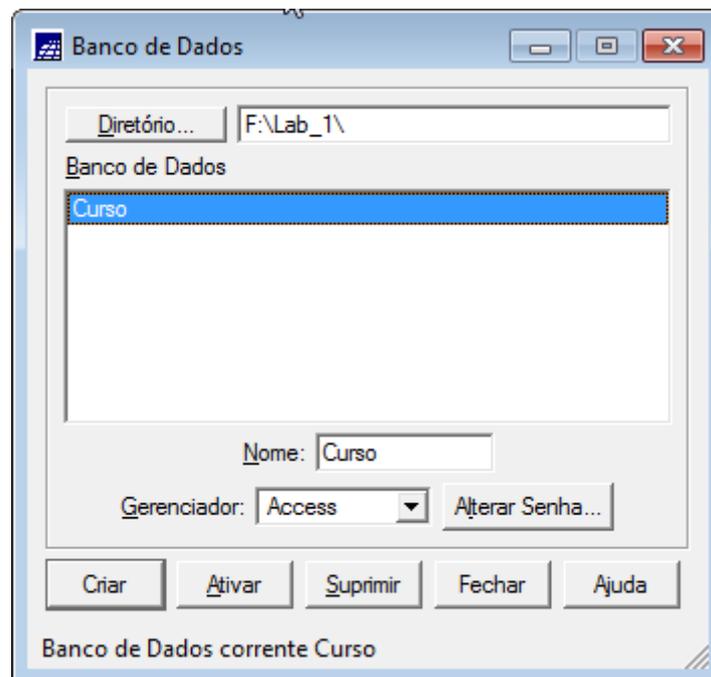
Passo 3 – Treinamento

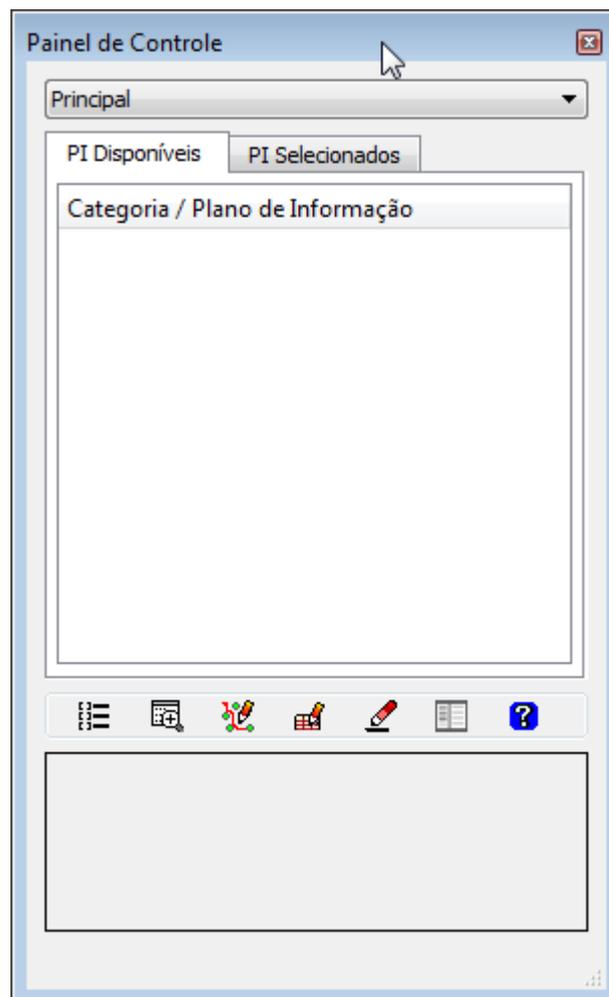
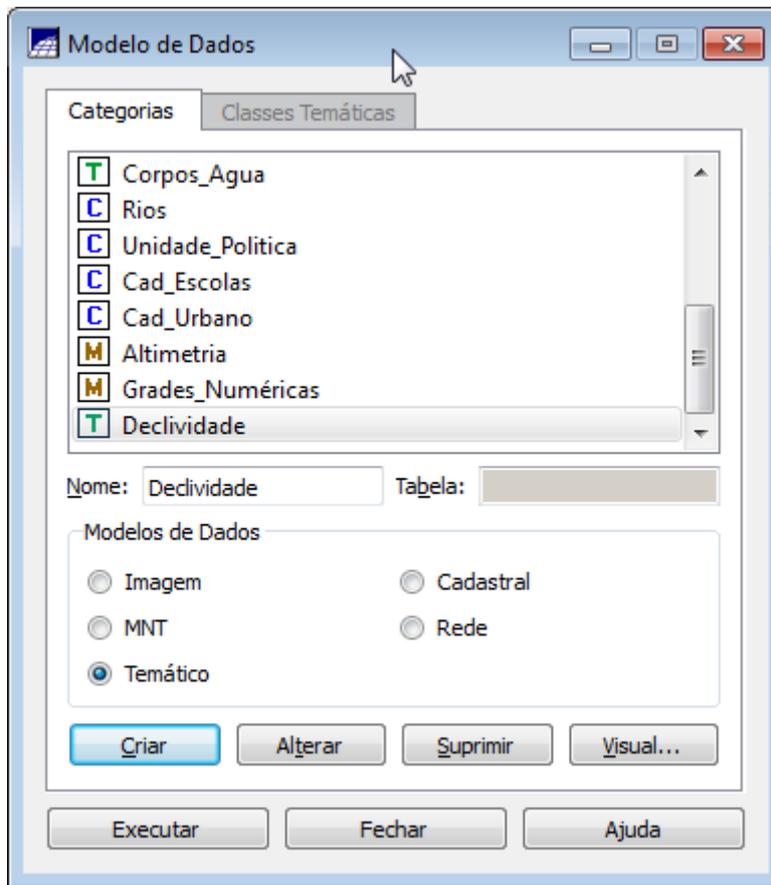
Passo 4 - Análise das amostras

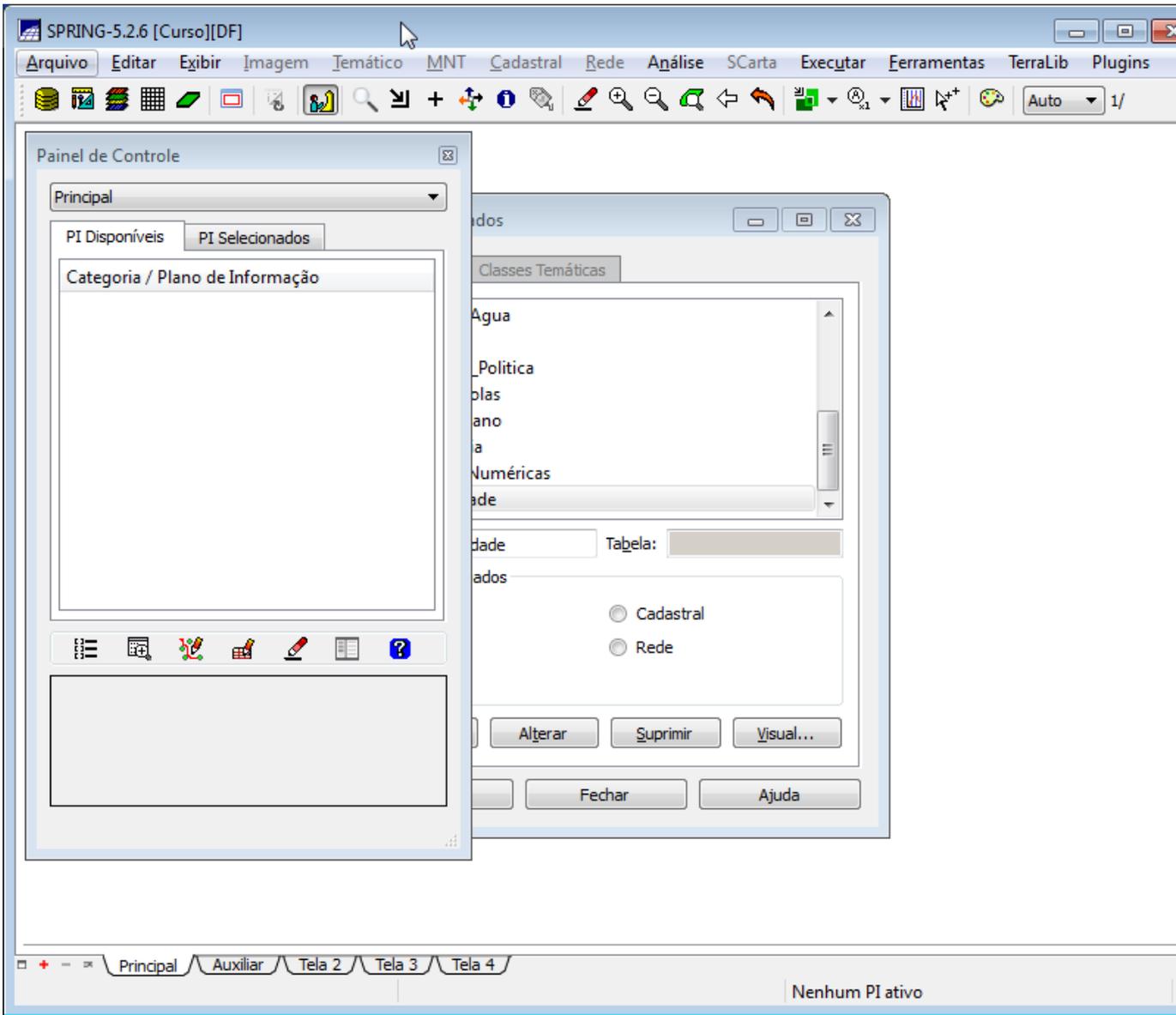
Passo 5 - Classificação da imagem

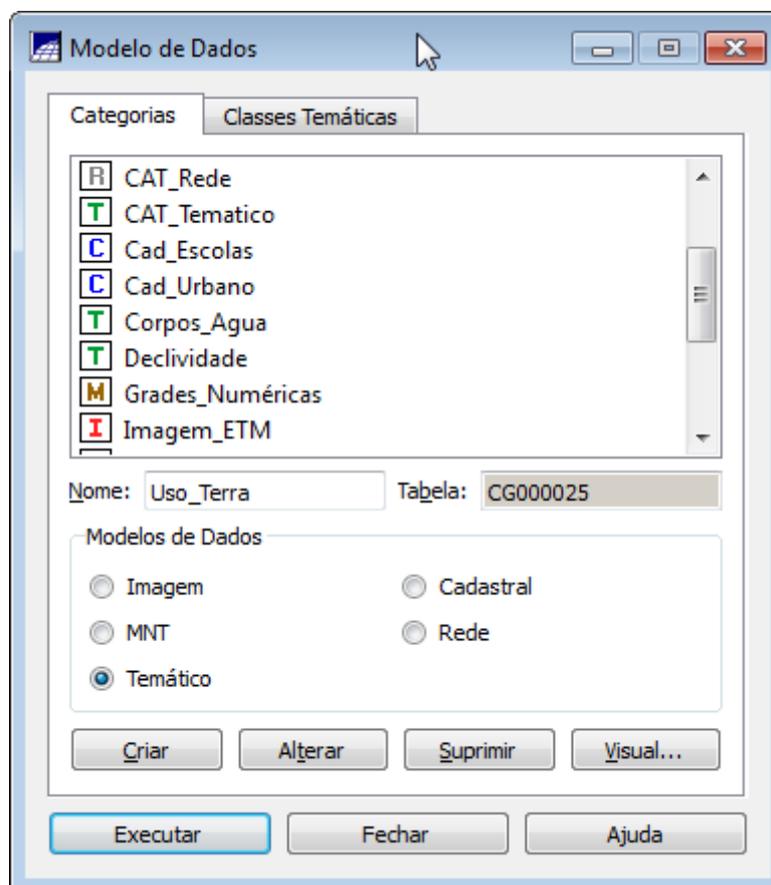
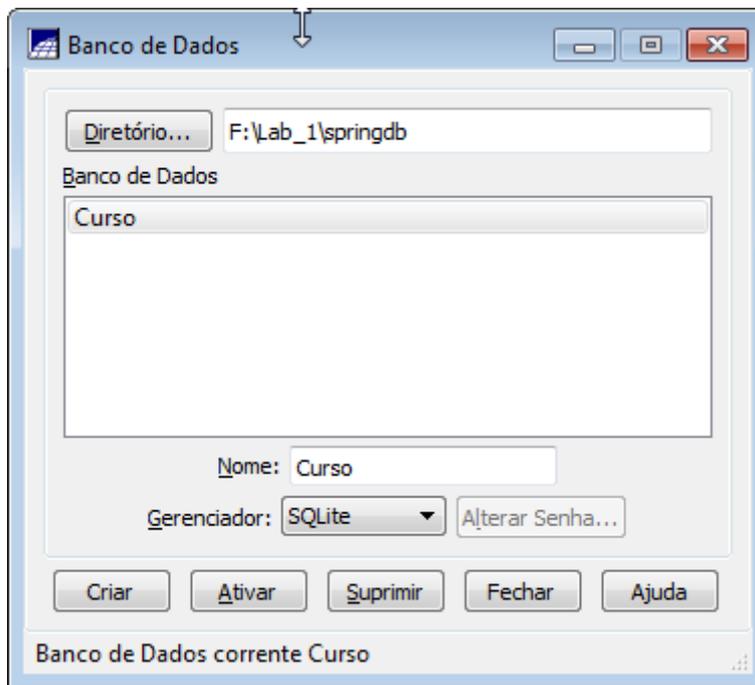
Passo 6 - Pós-classificação

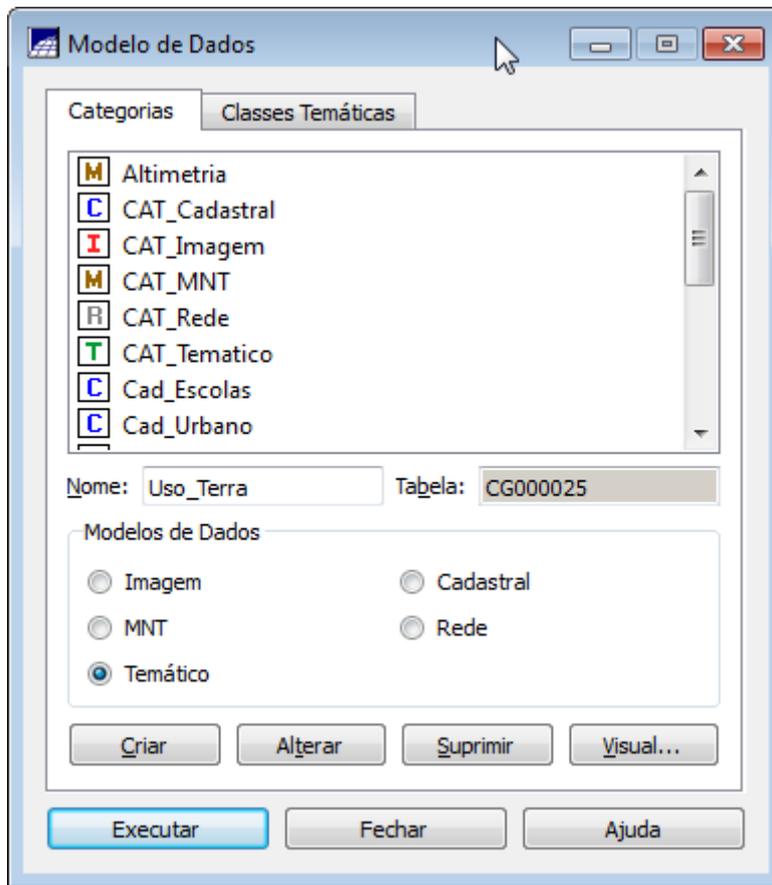
Passo 7 - Mapeamento para o modelo temático

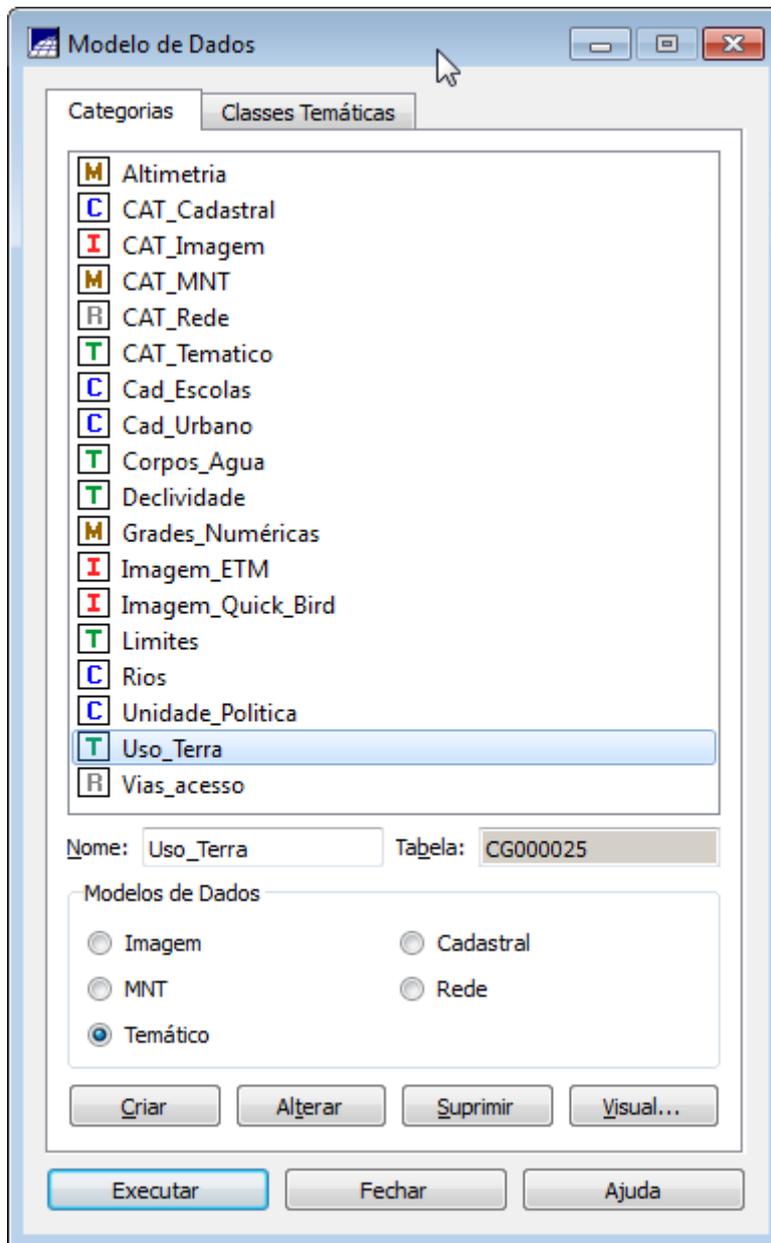


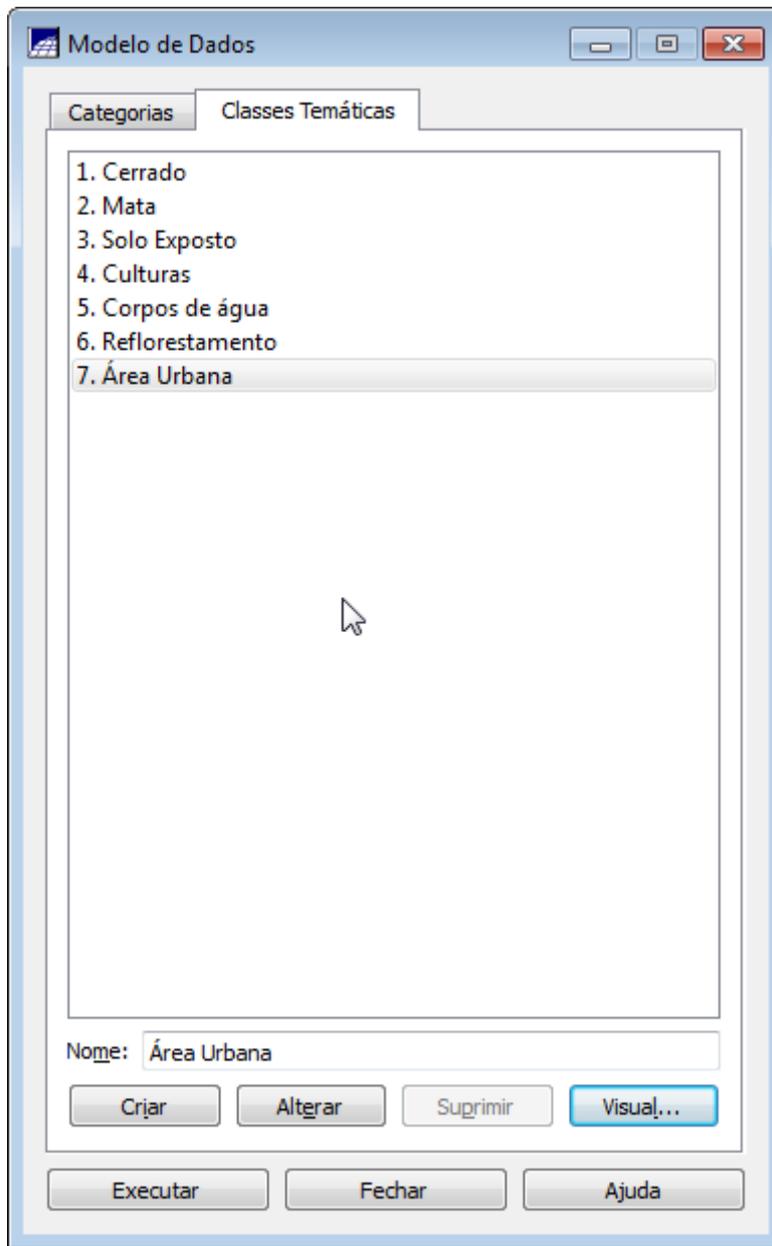


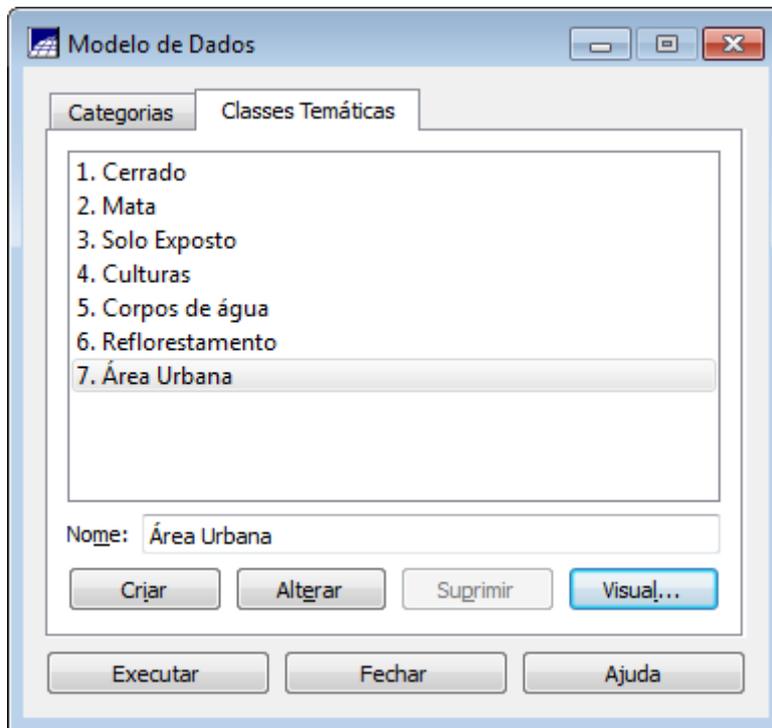


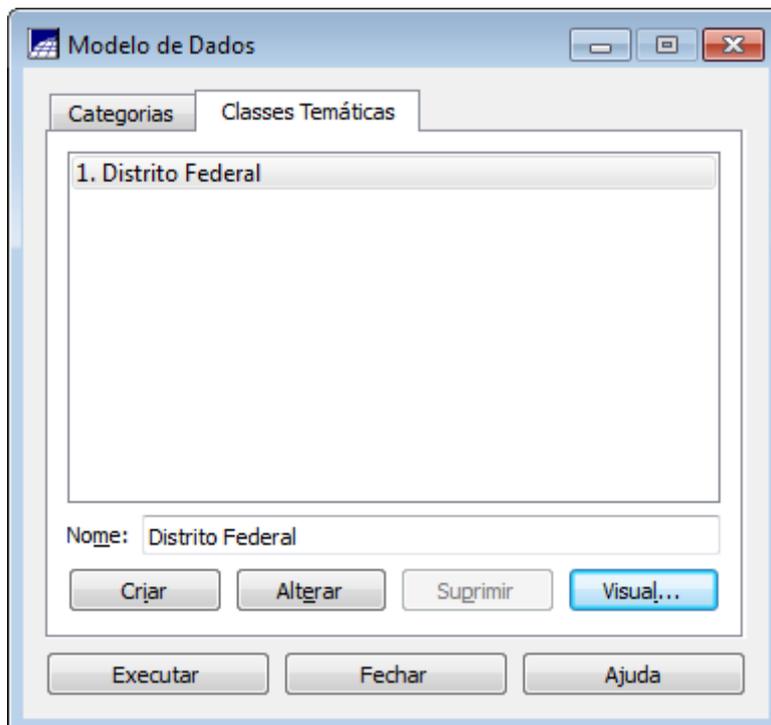
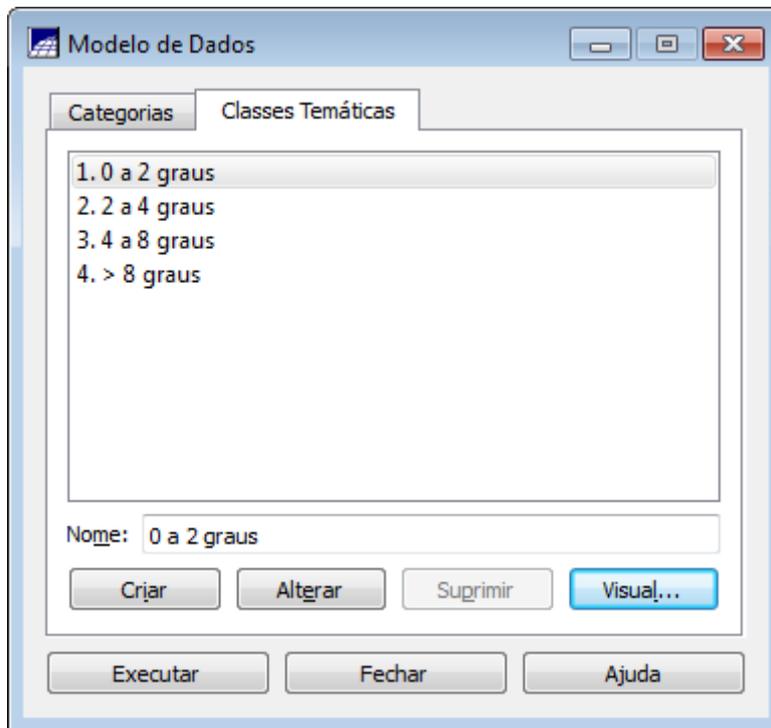


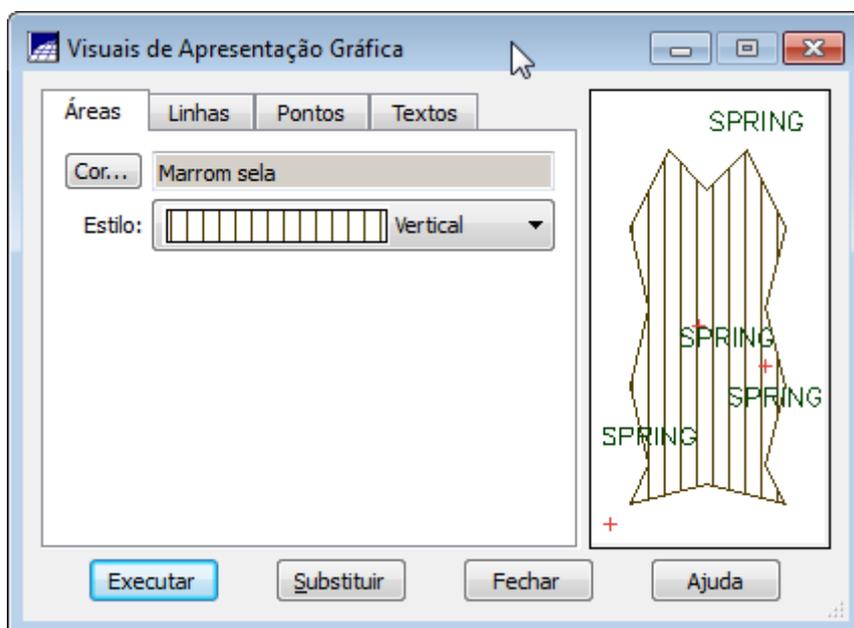
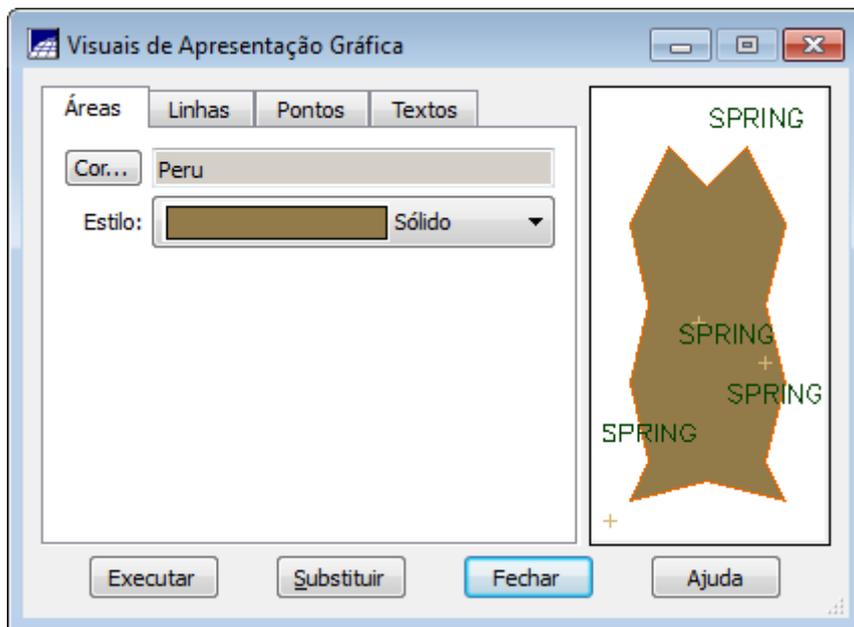


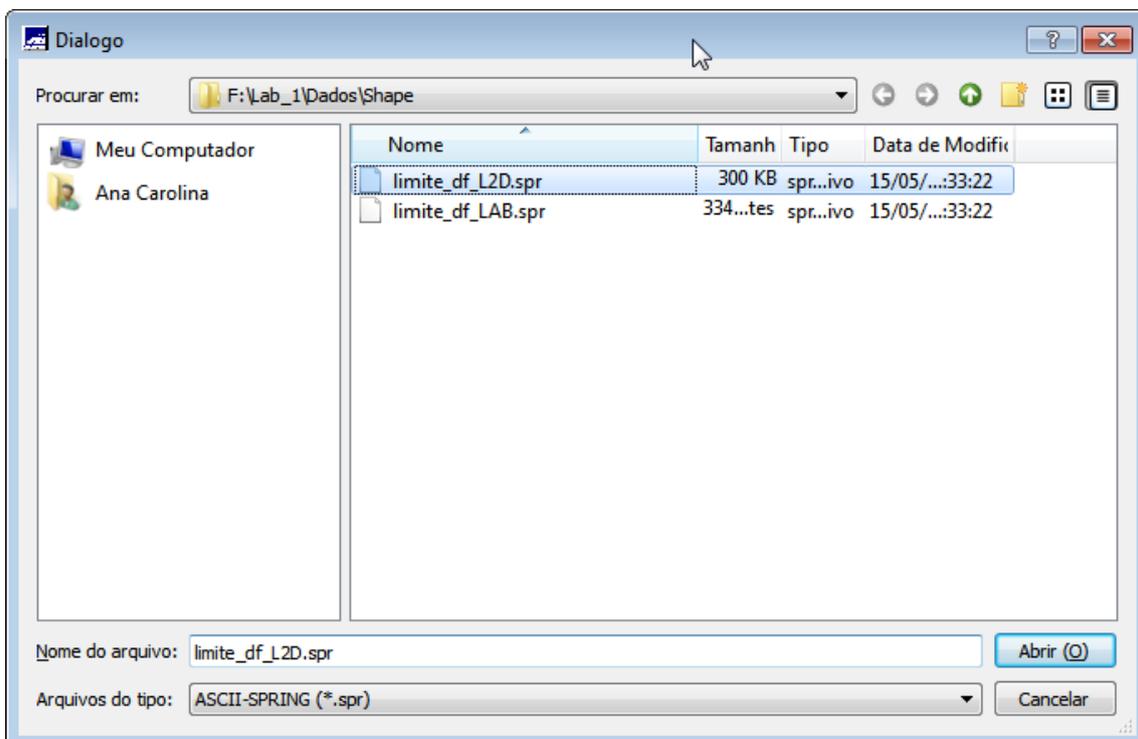
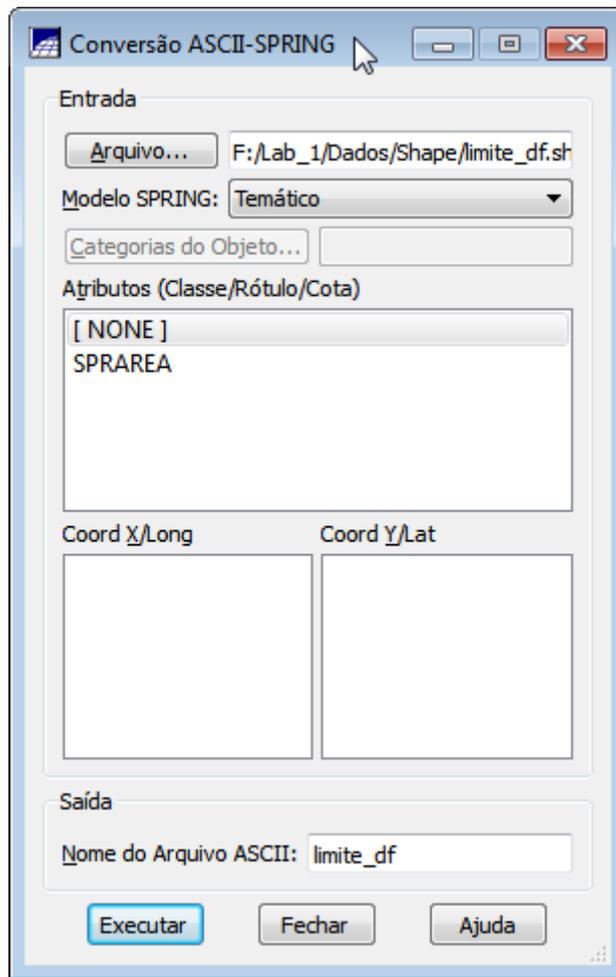


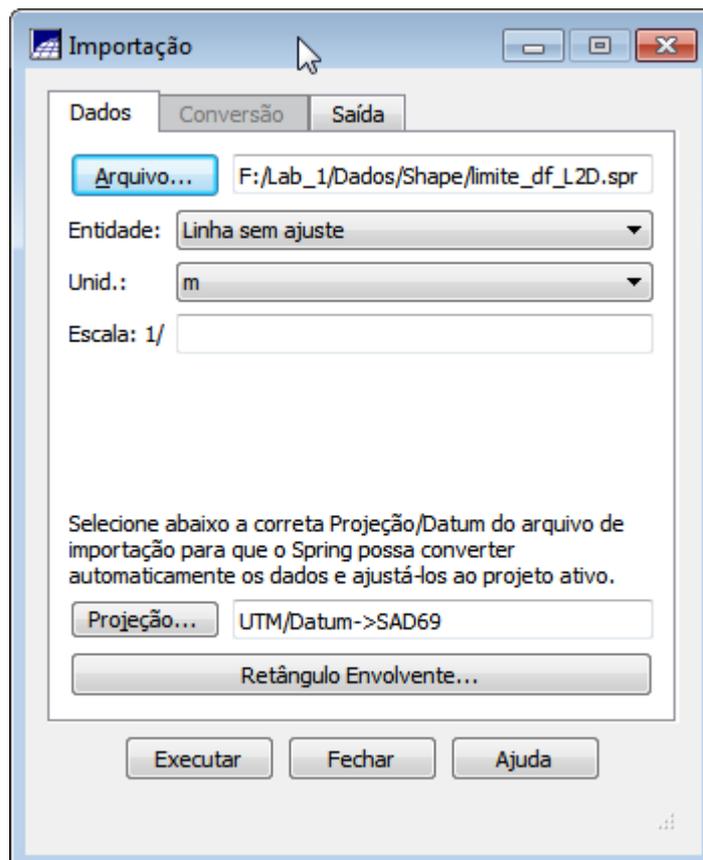
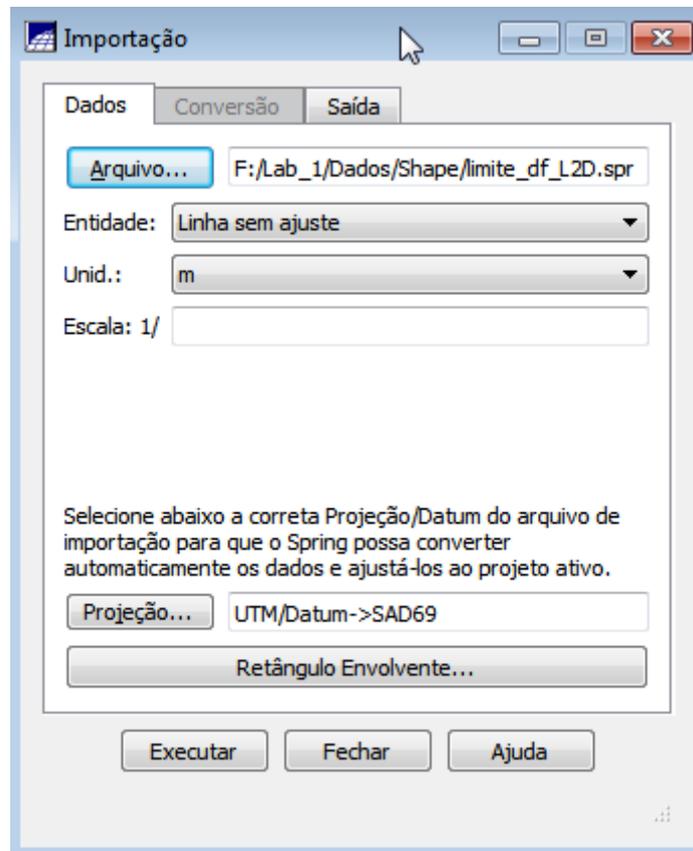


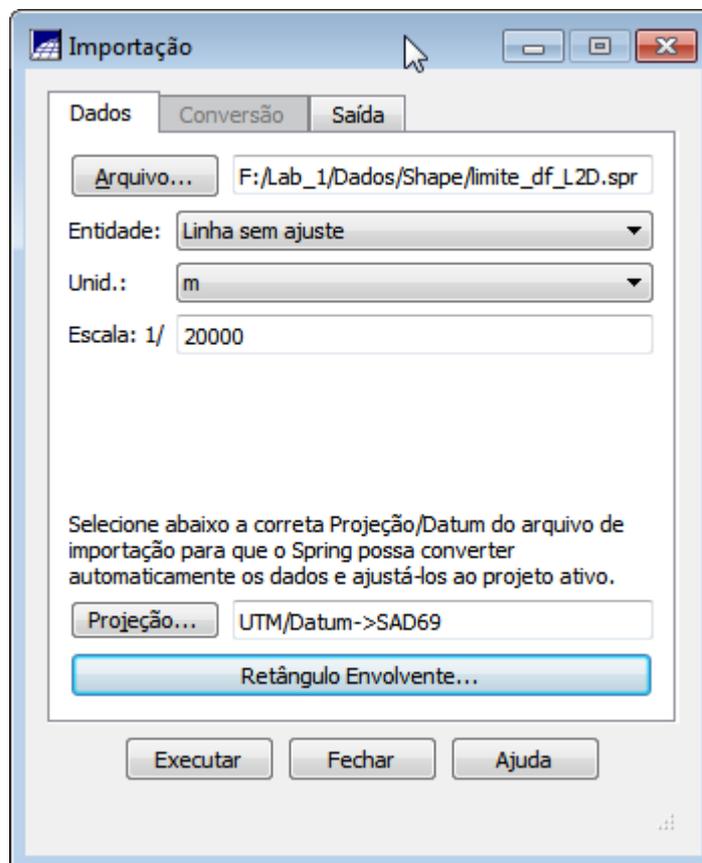
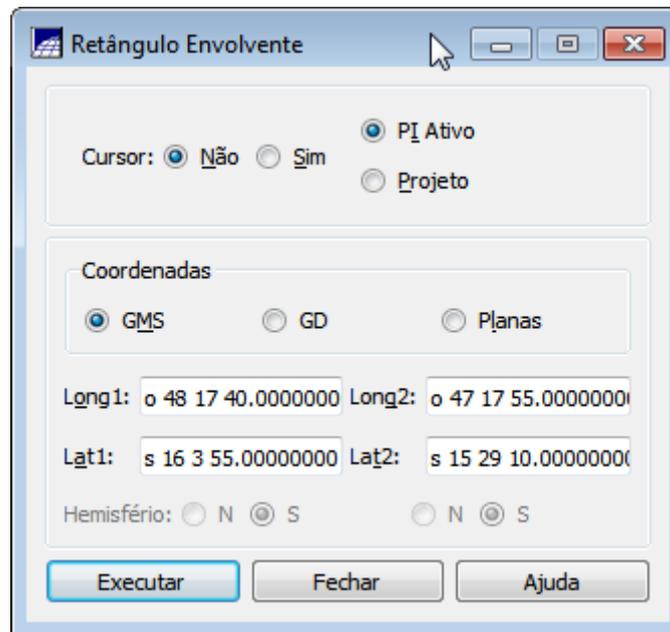


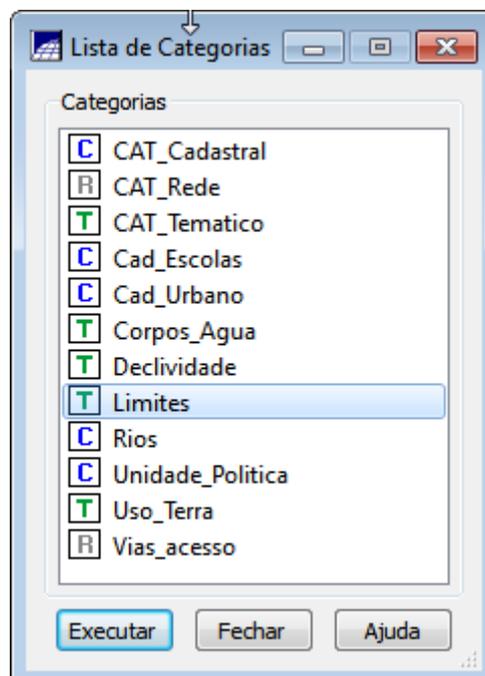
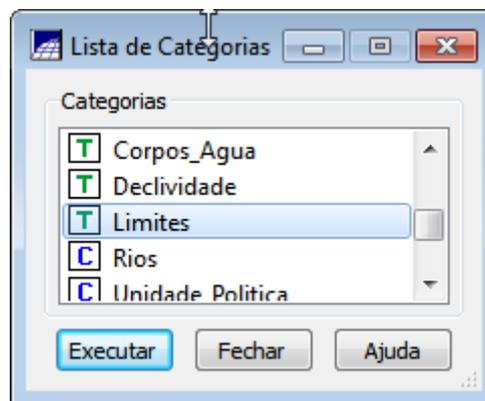


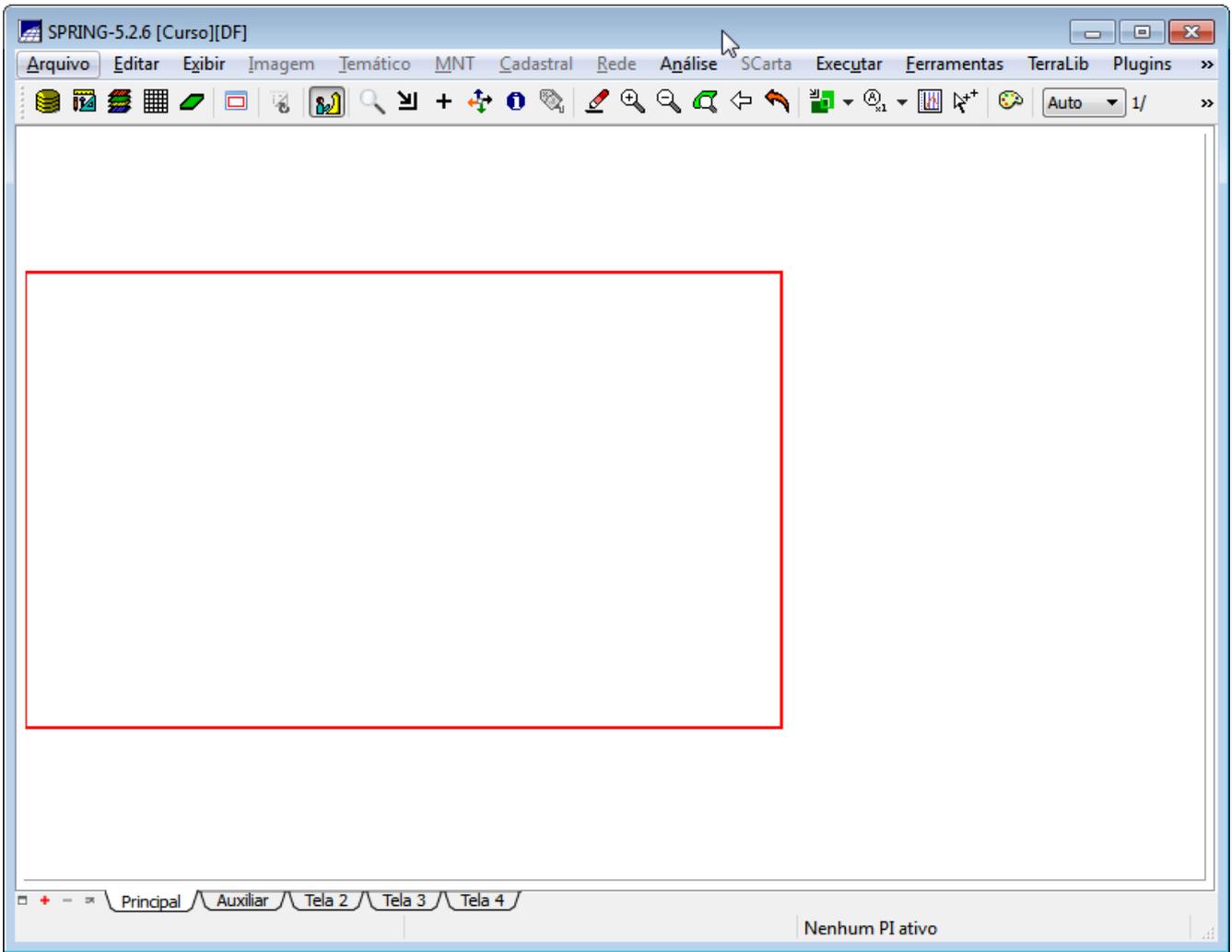


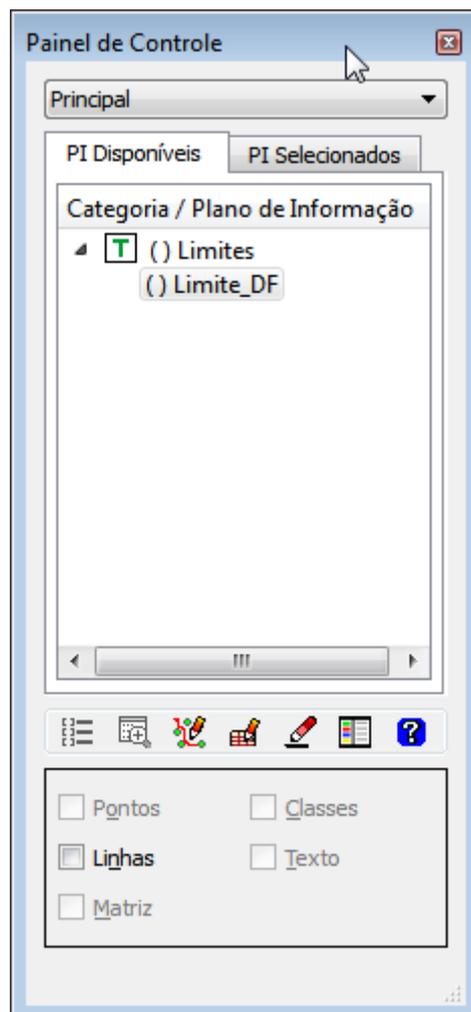
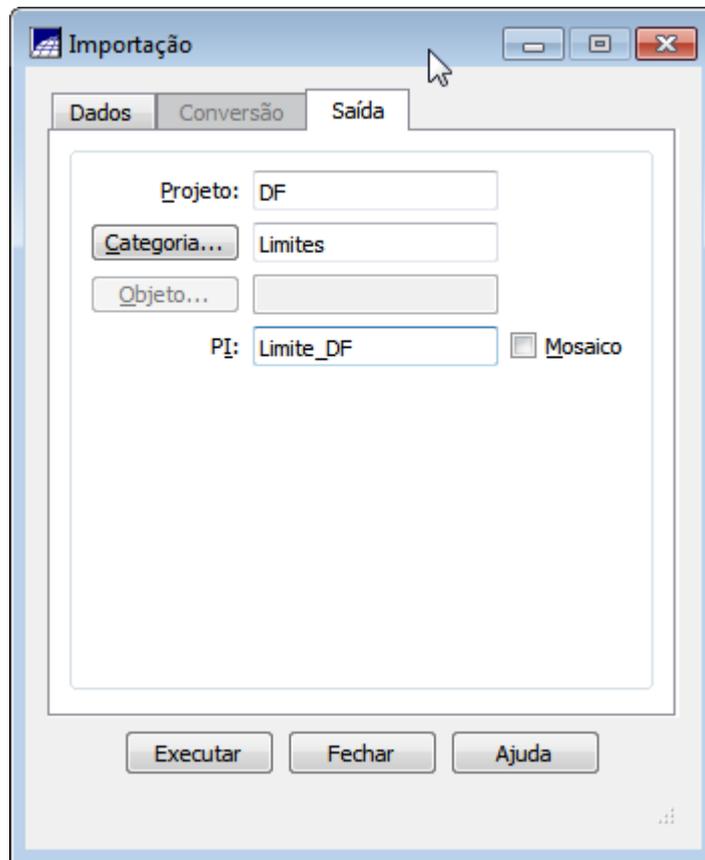


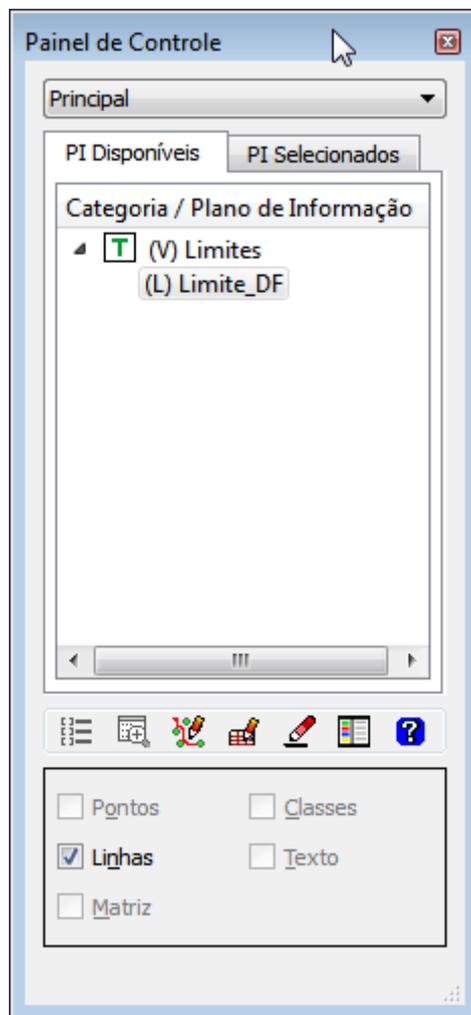


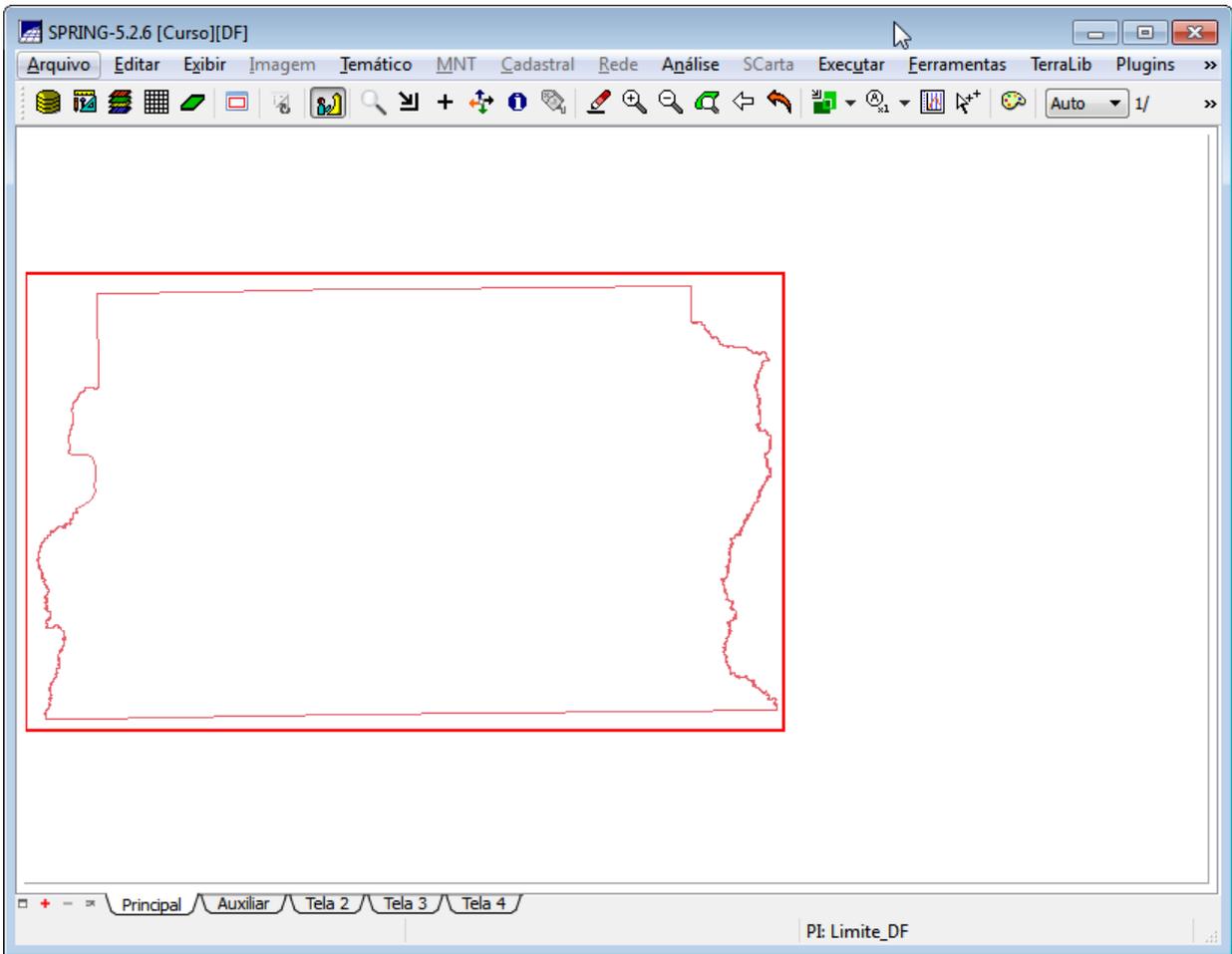


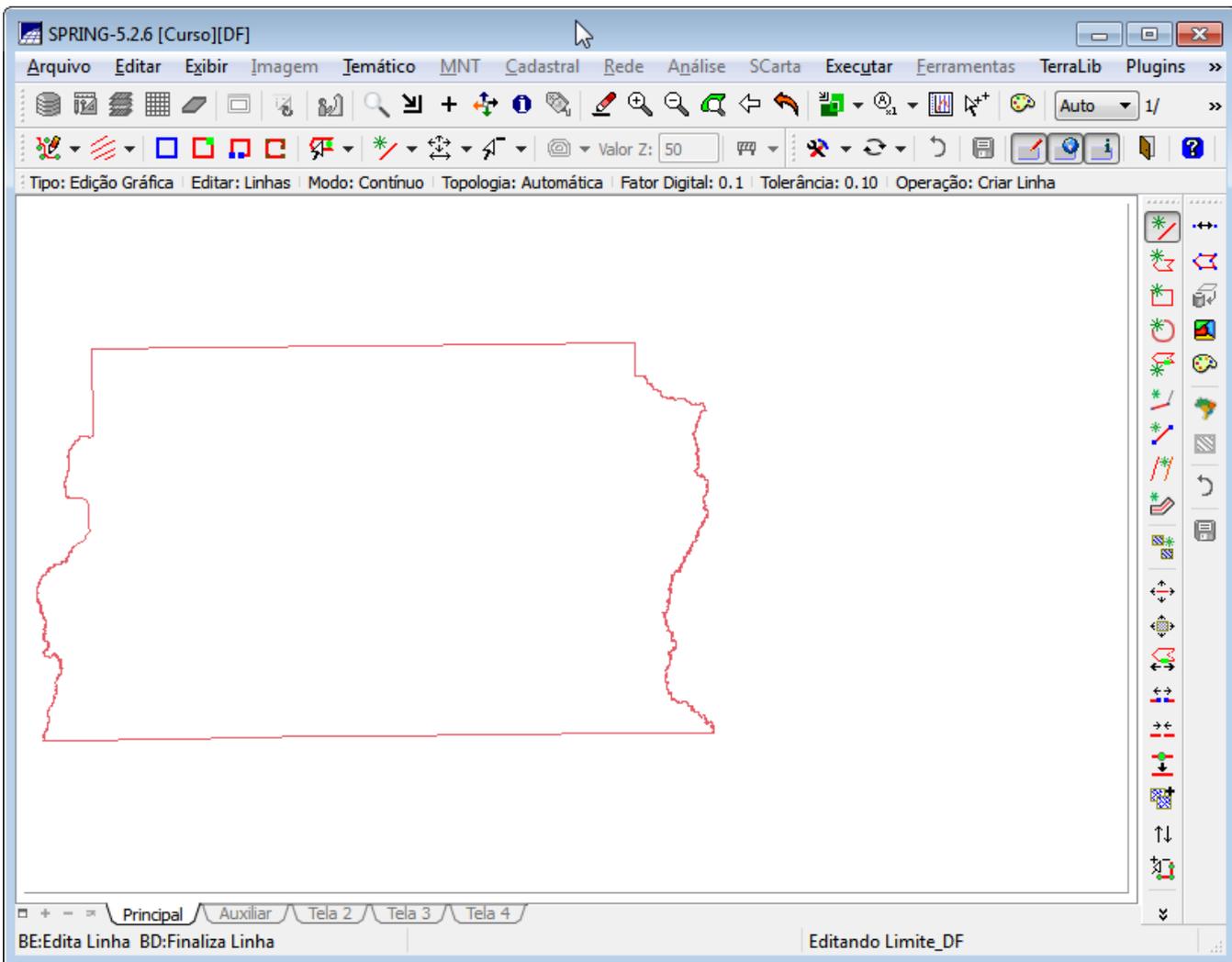


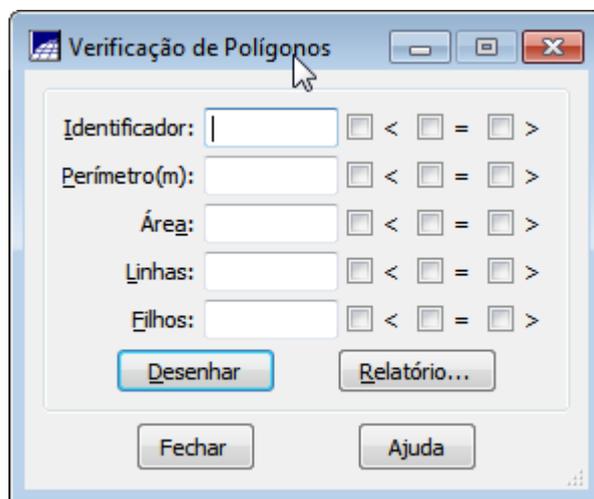
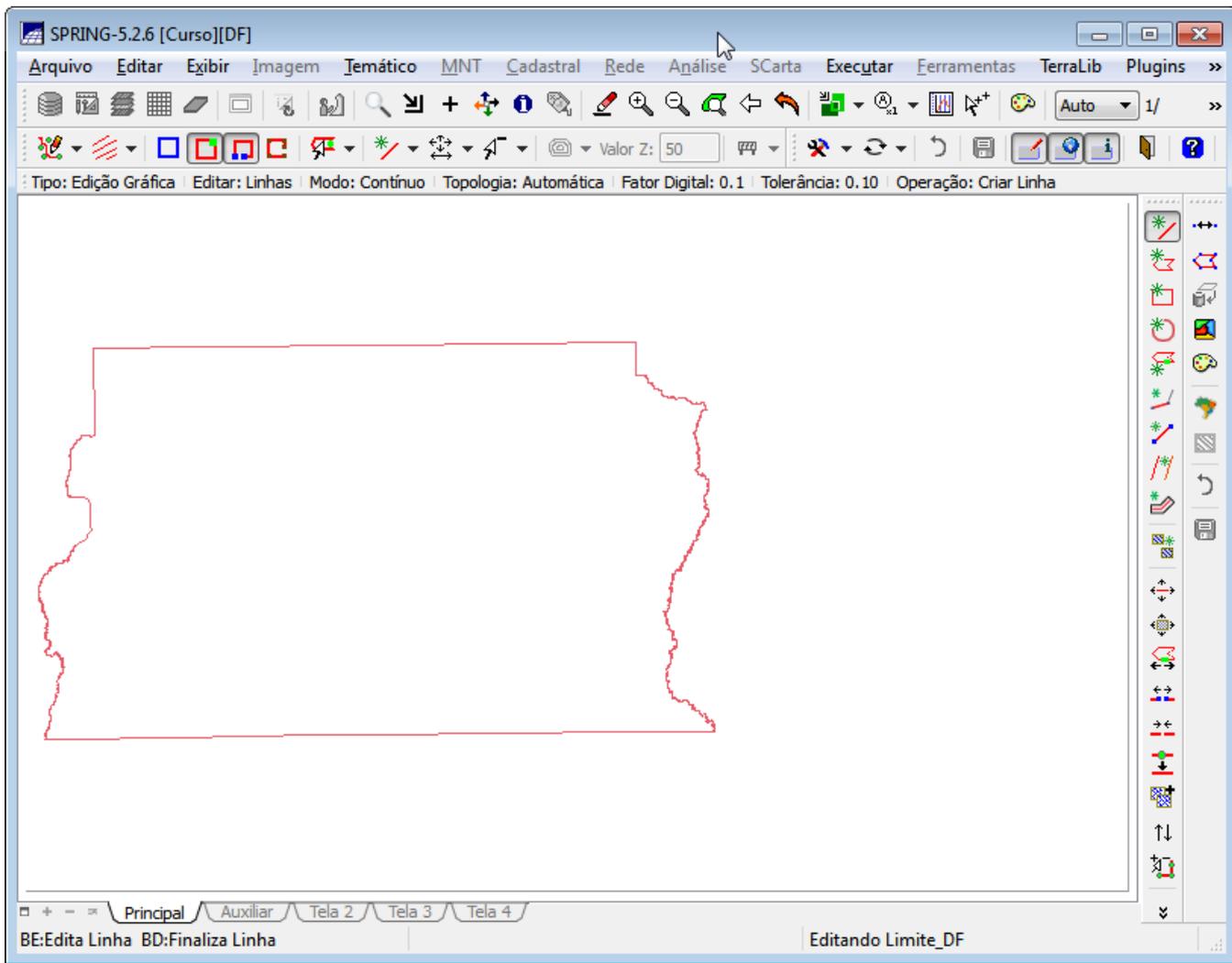


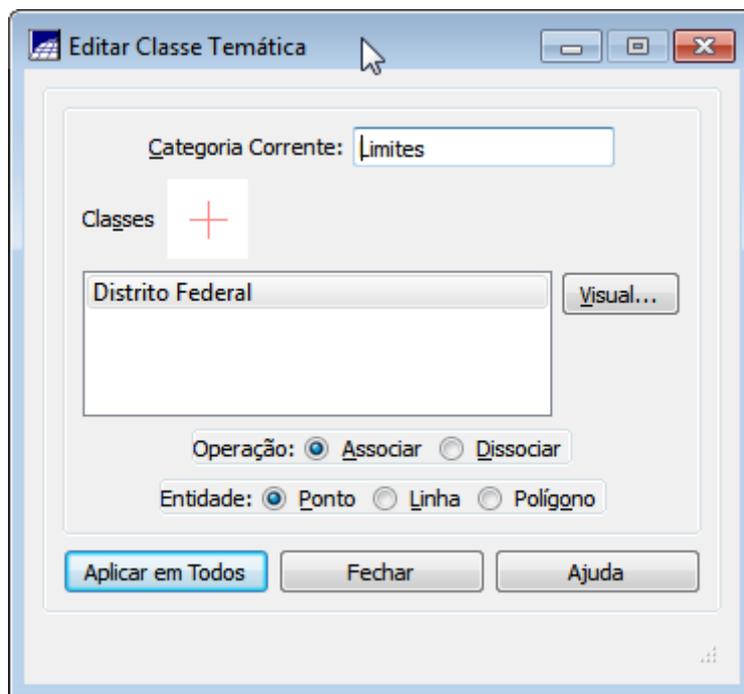
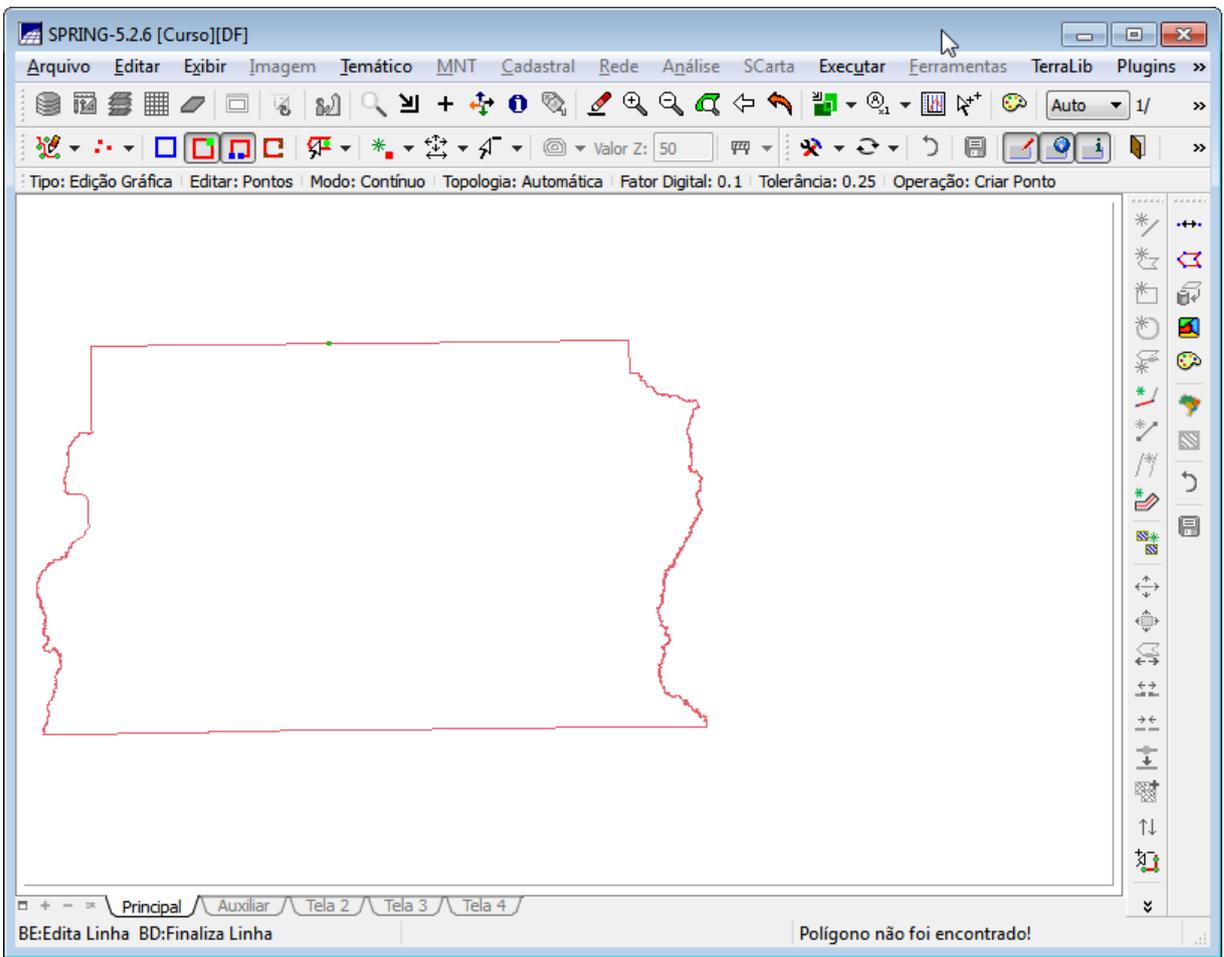


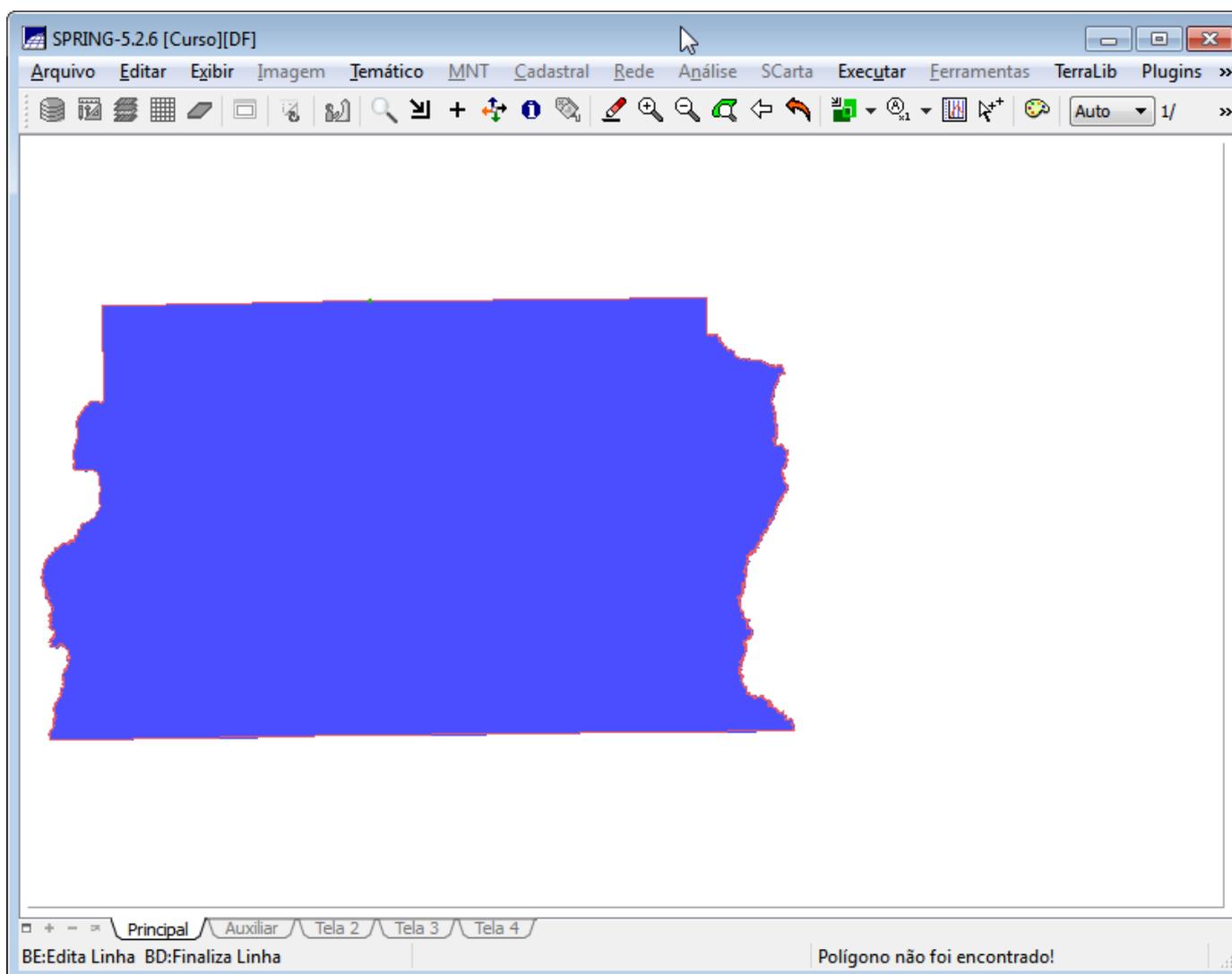
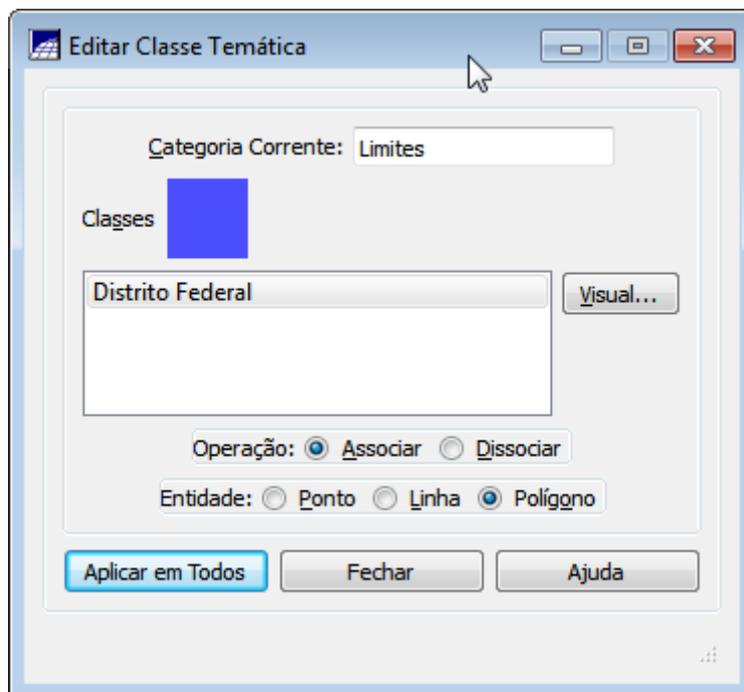


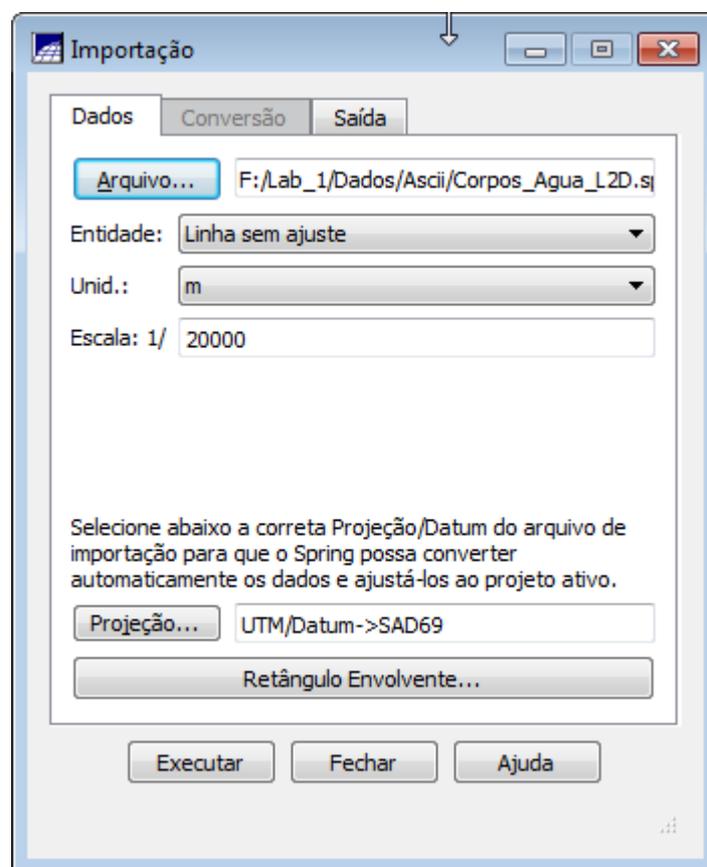
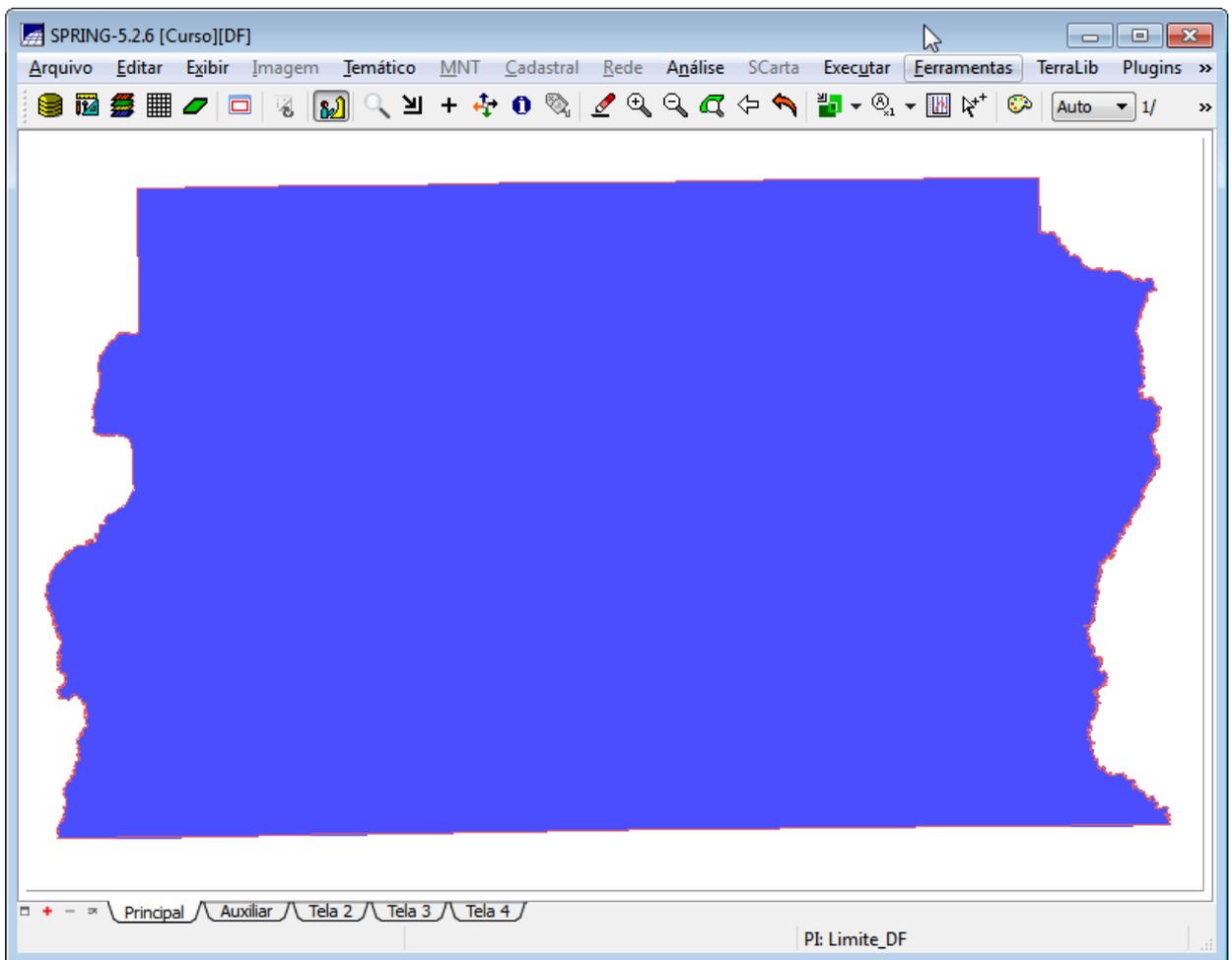


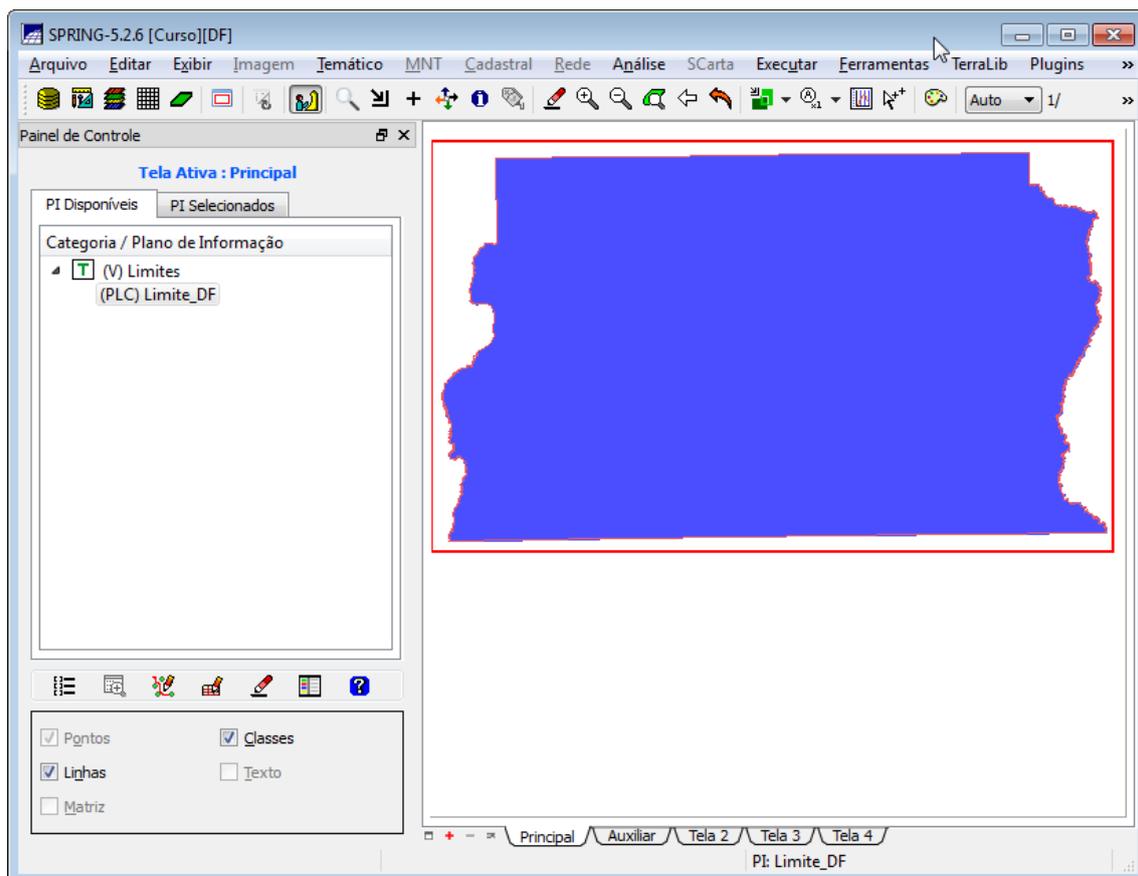
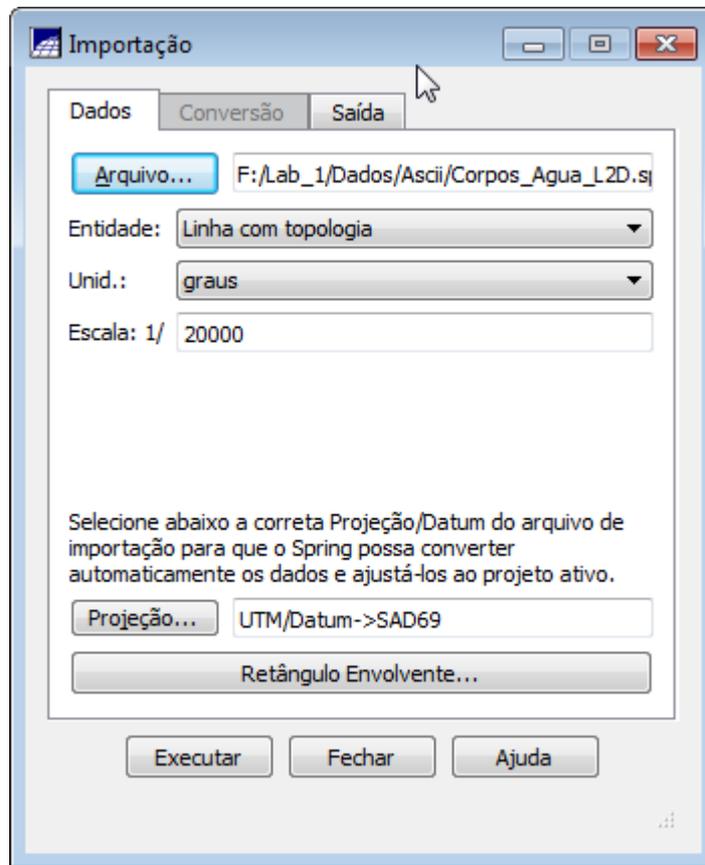


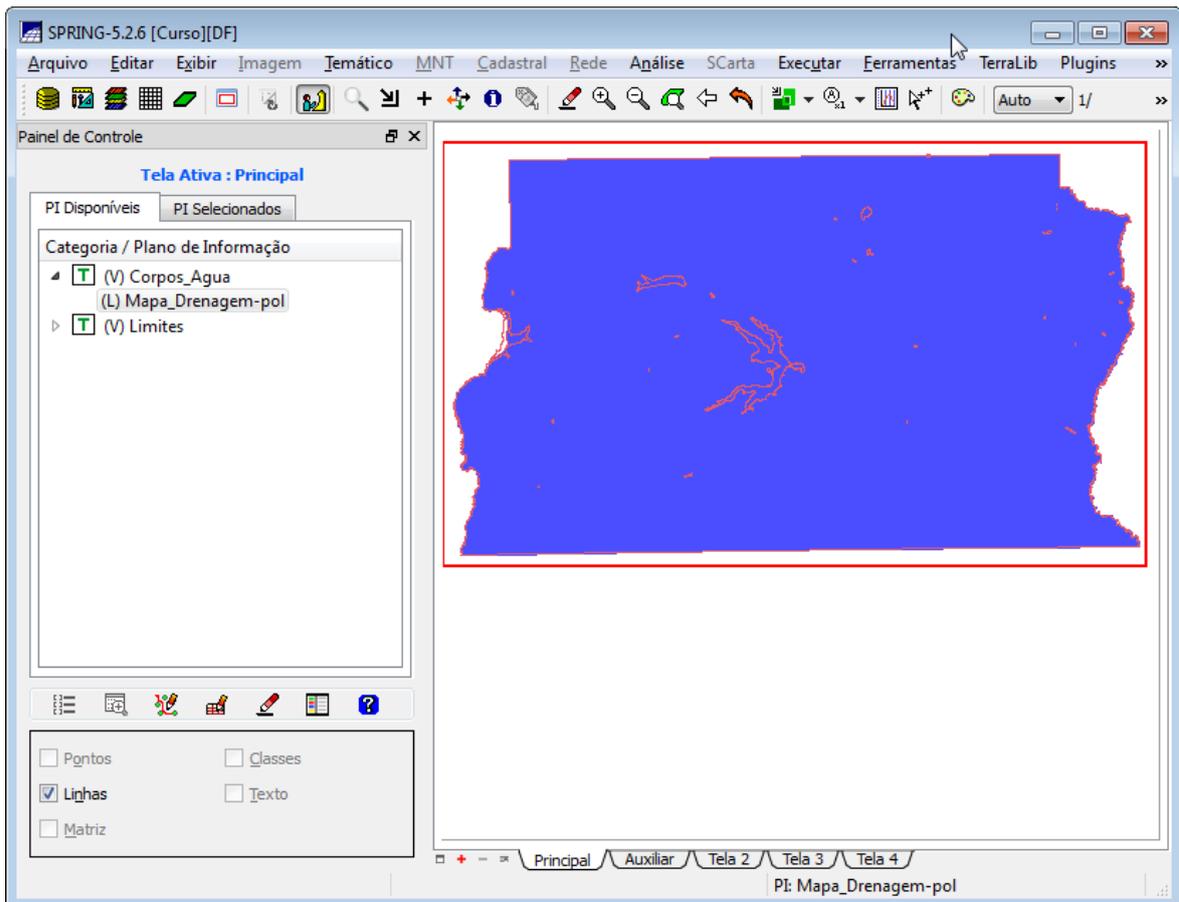
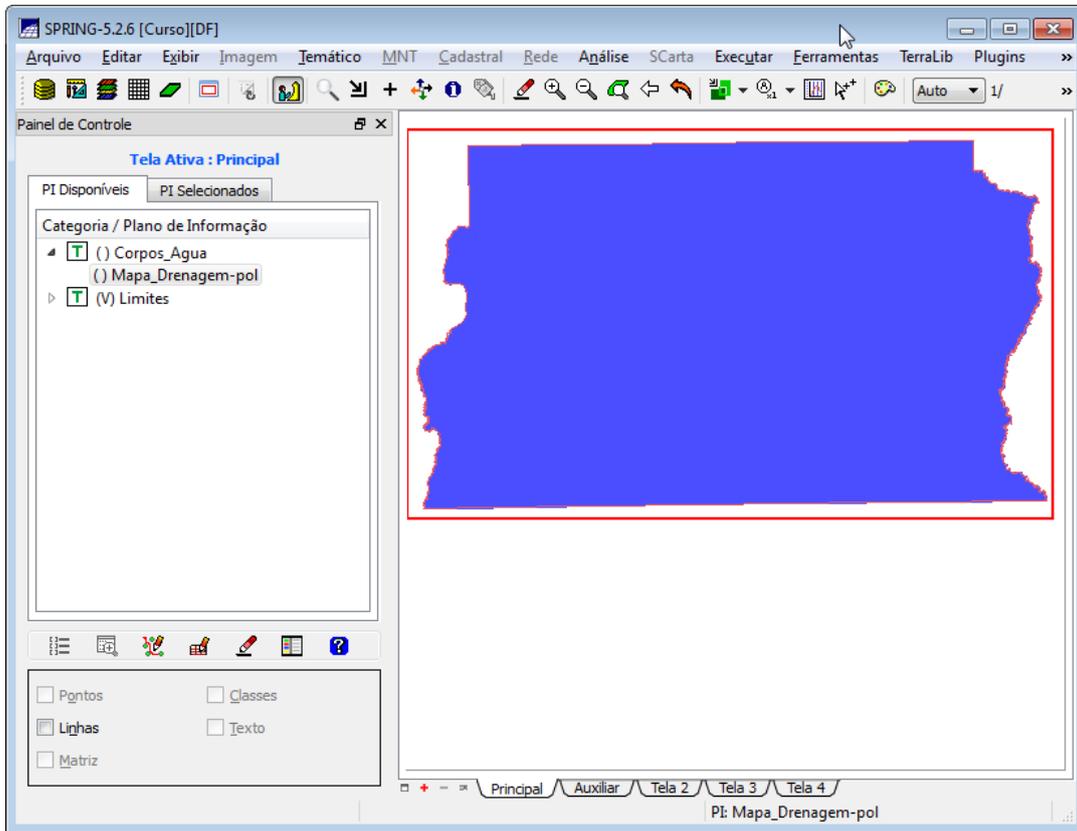


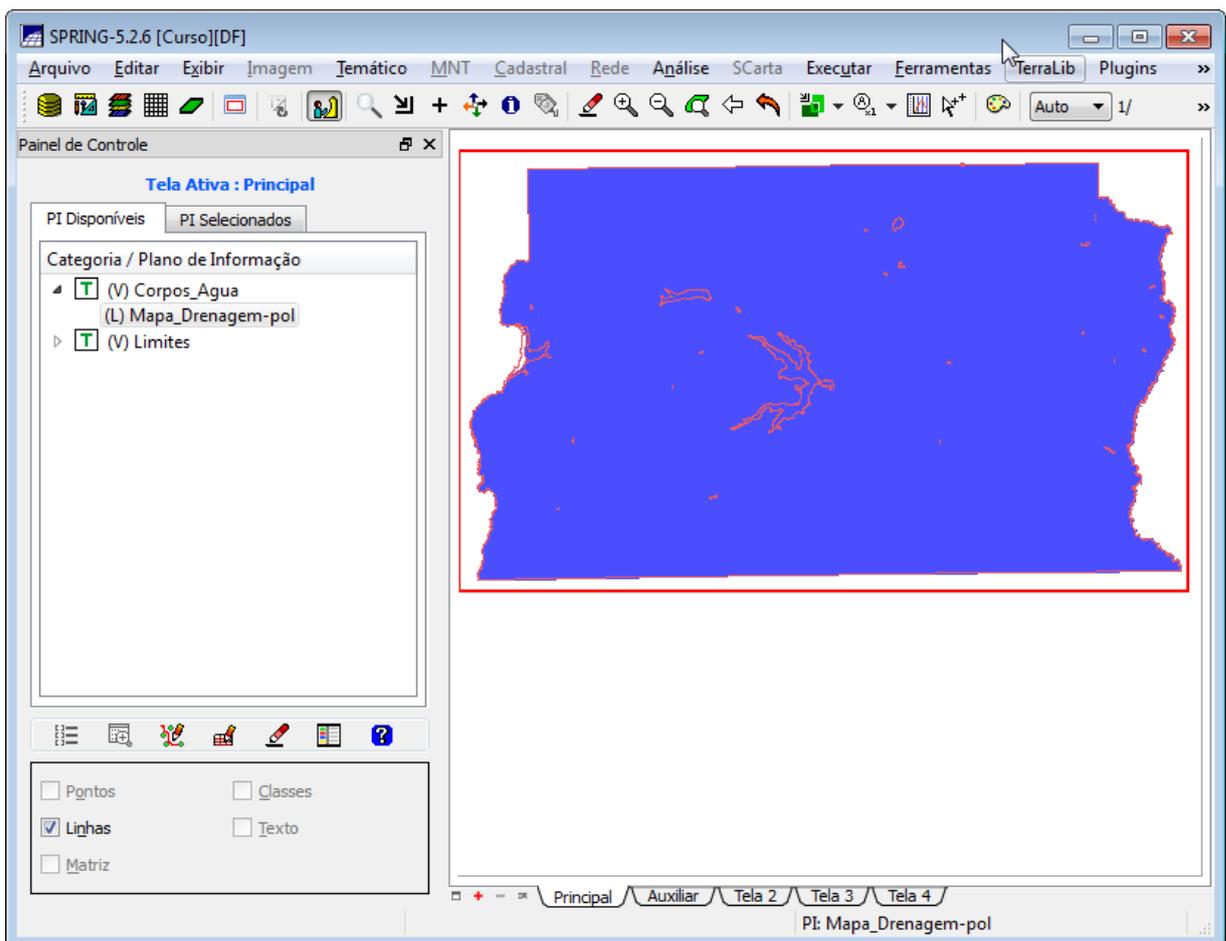
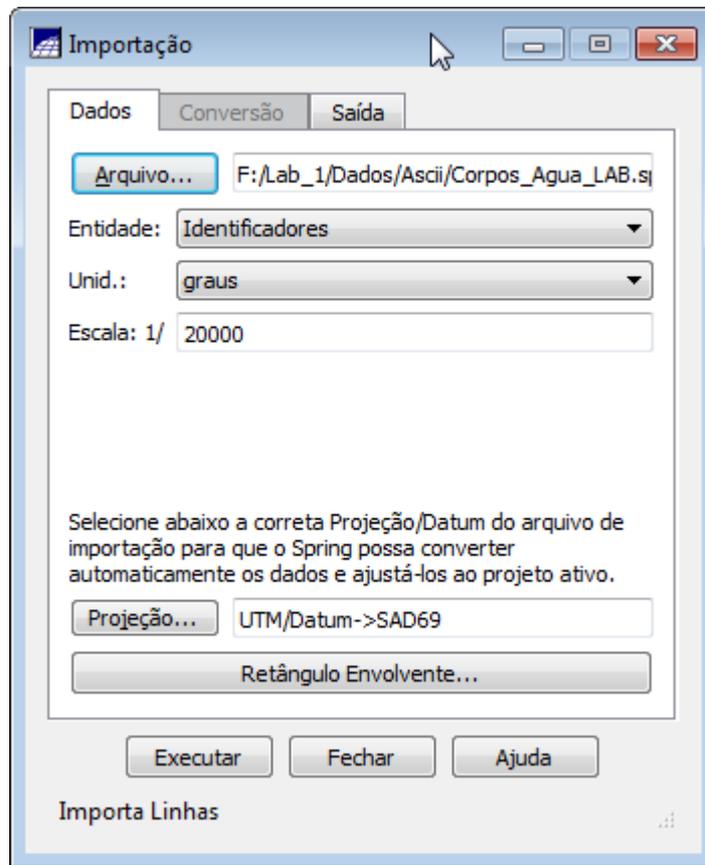


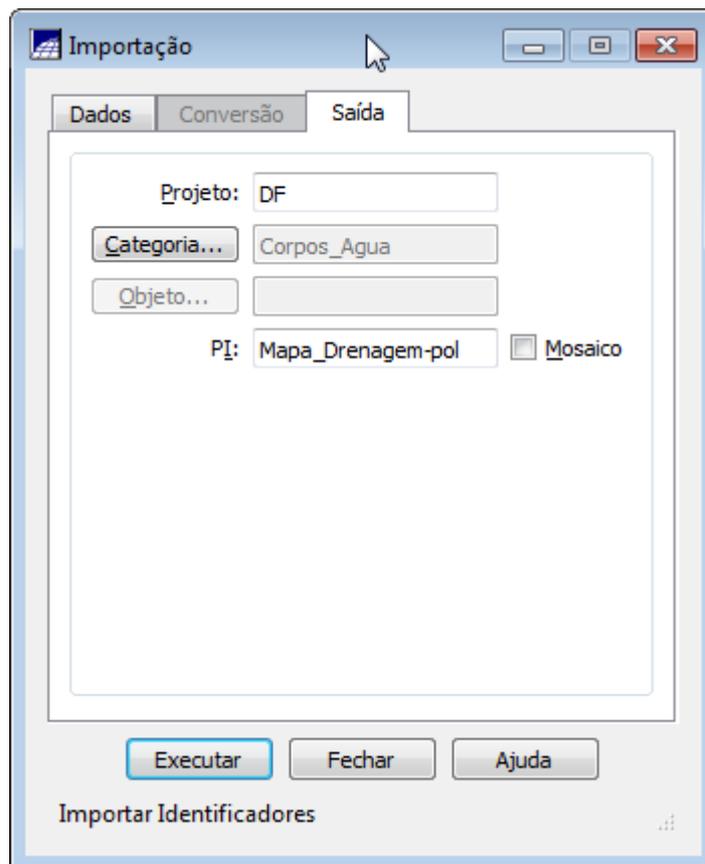
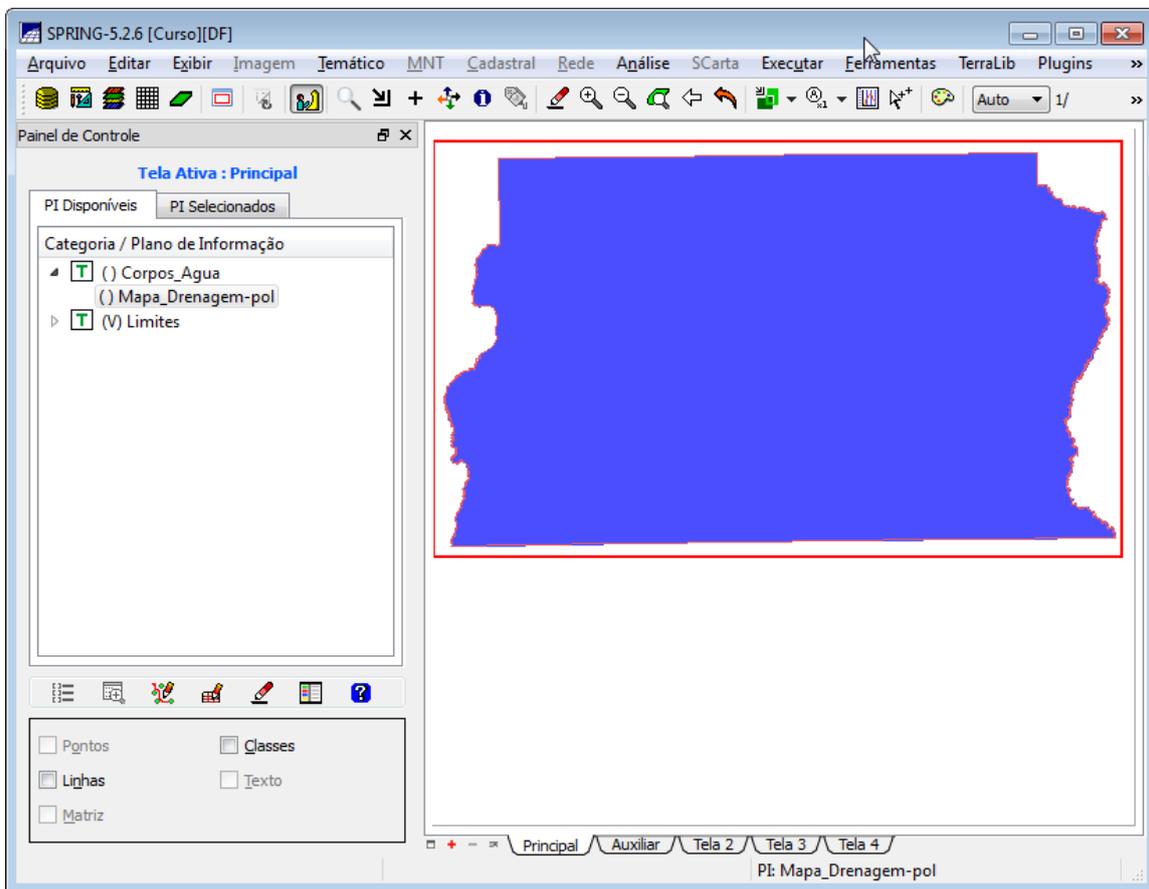


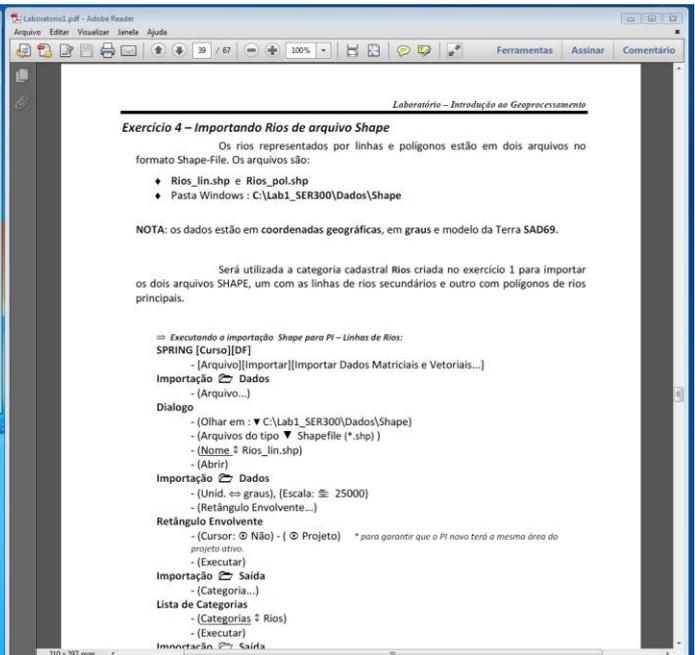
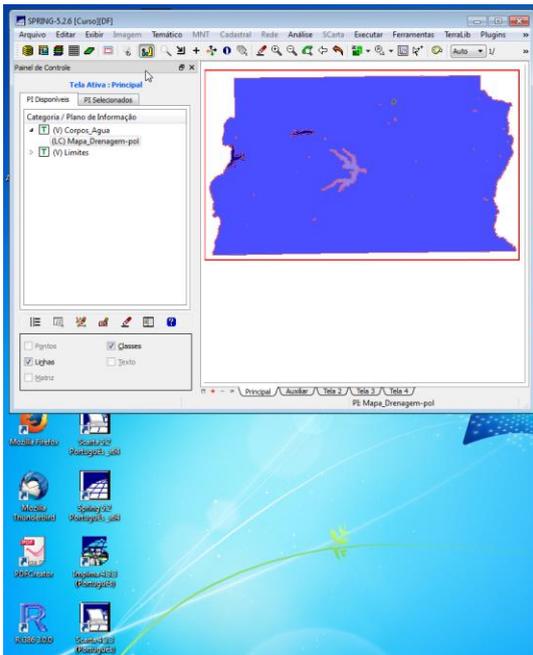
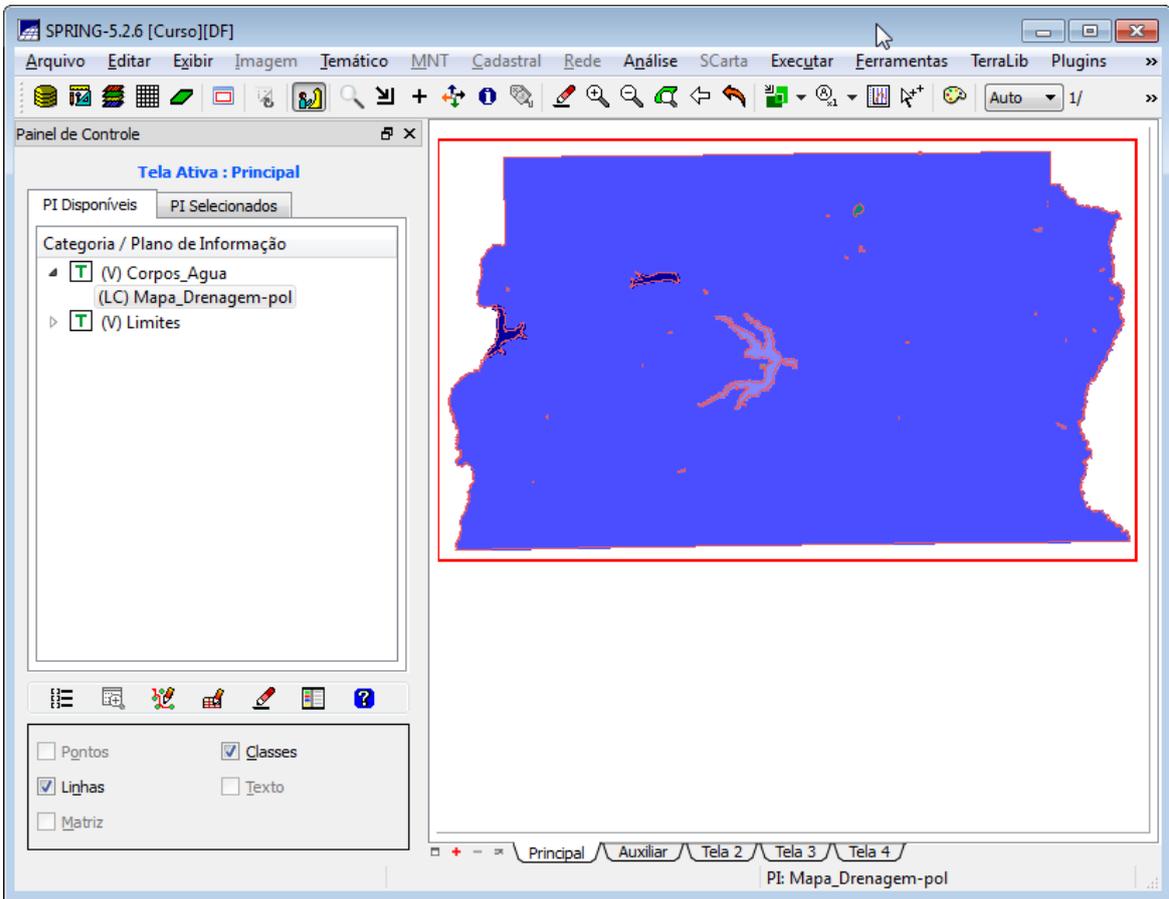


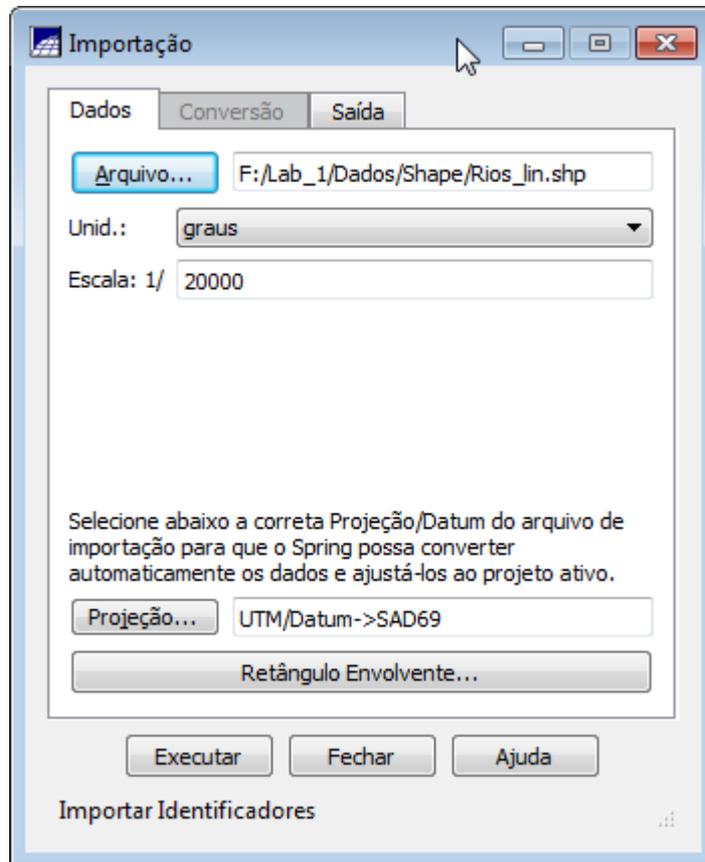
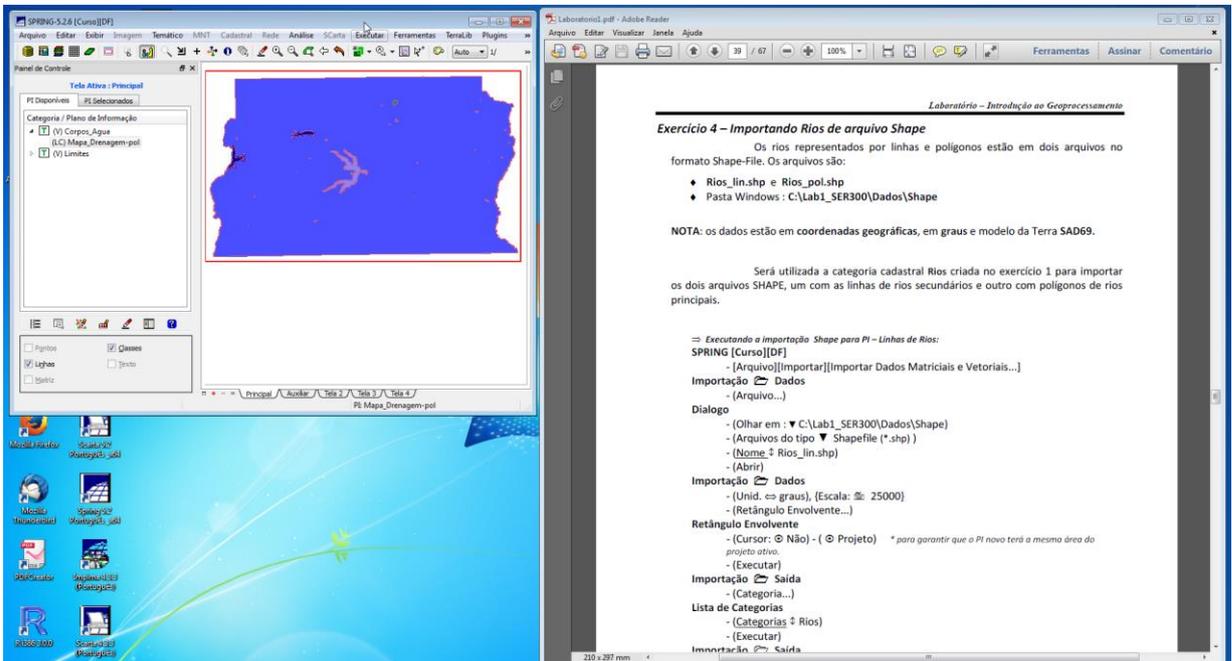


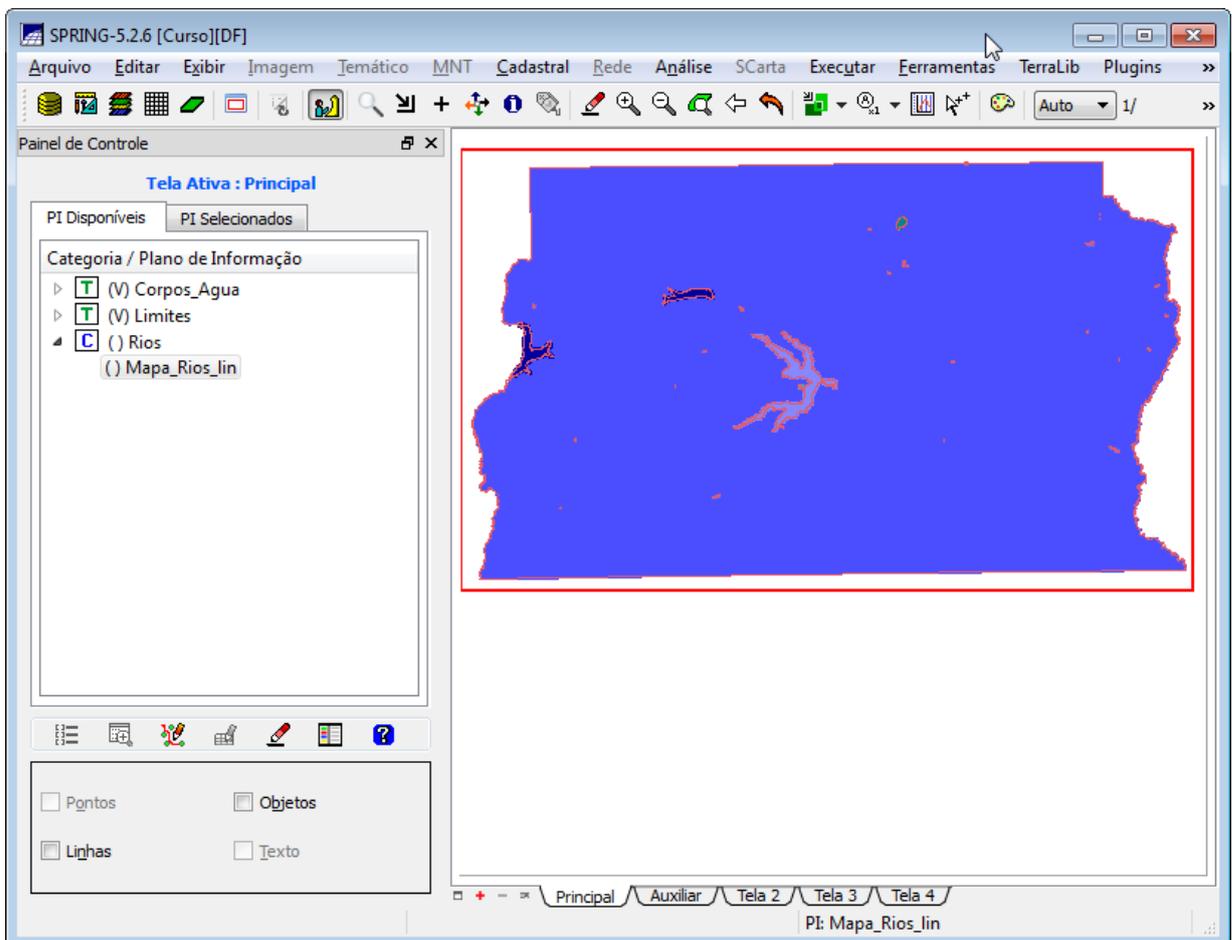
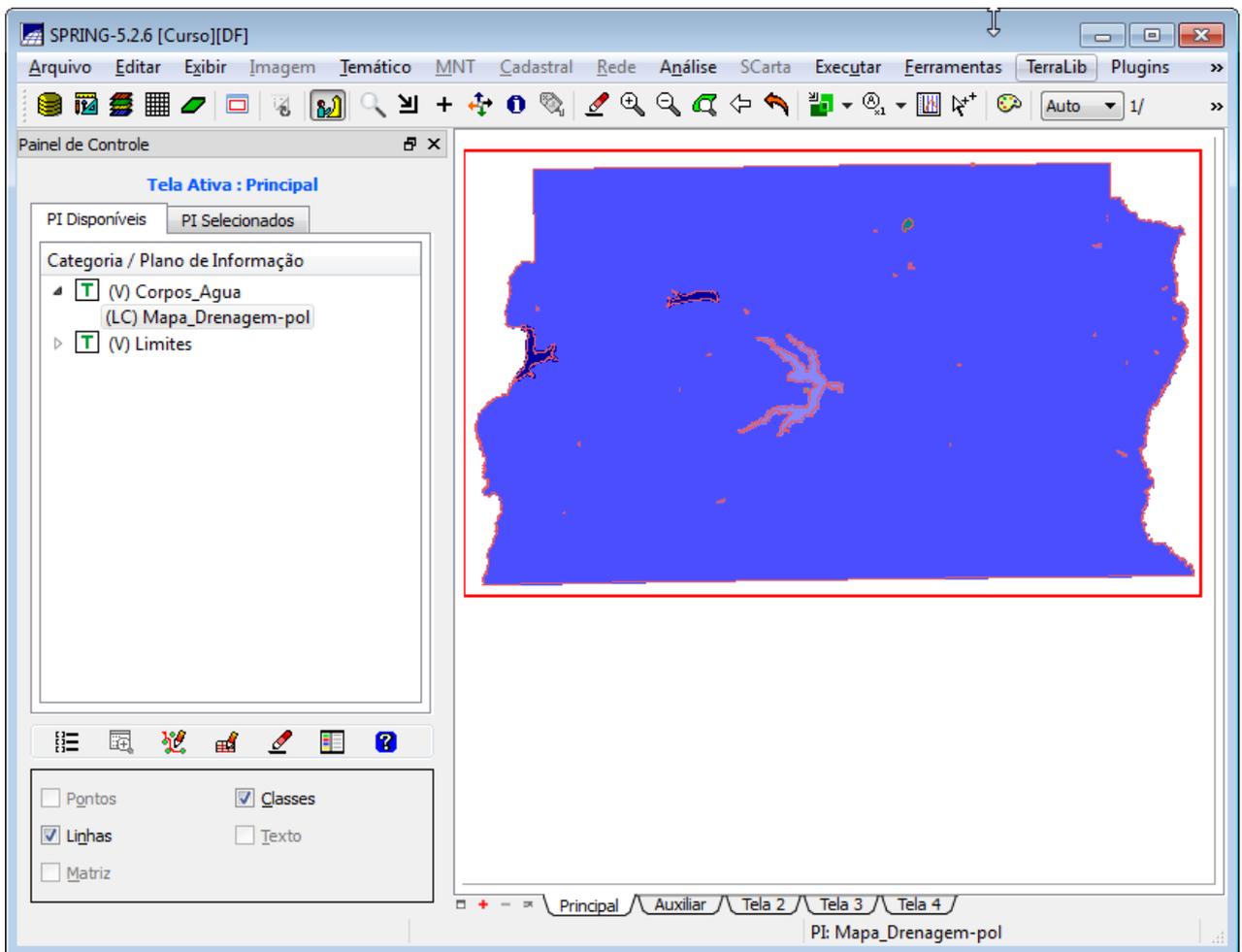


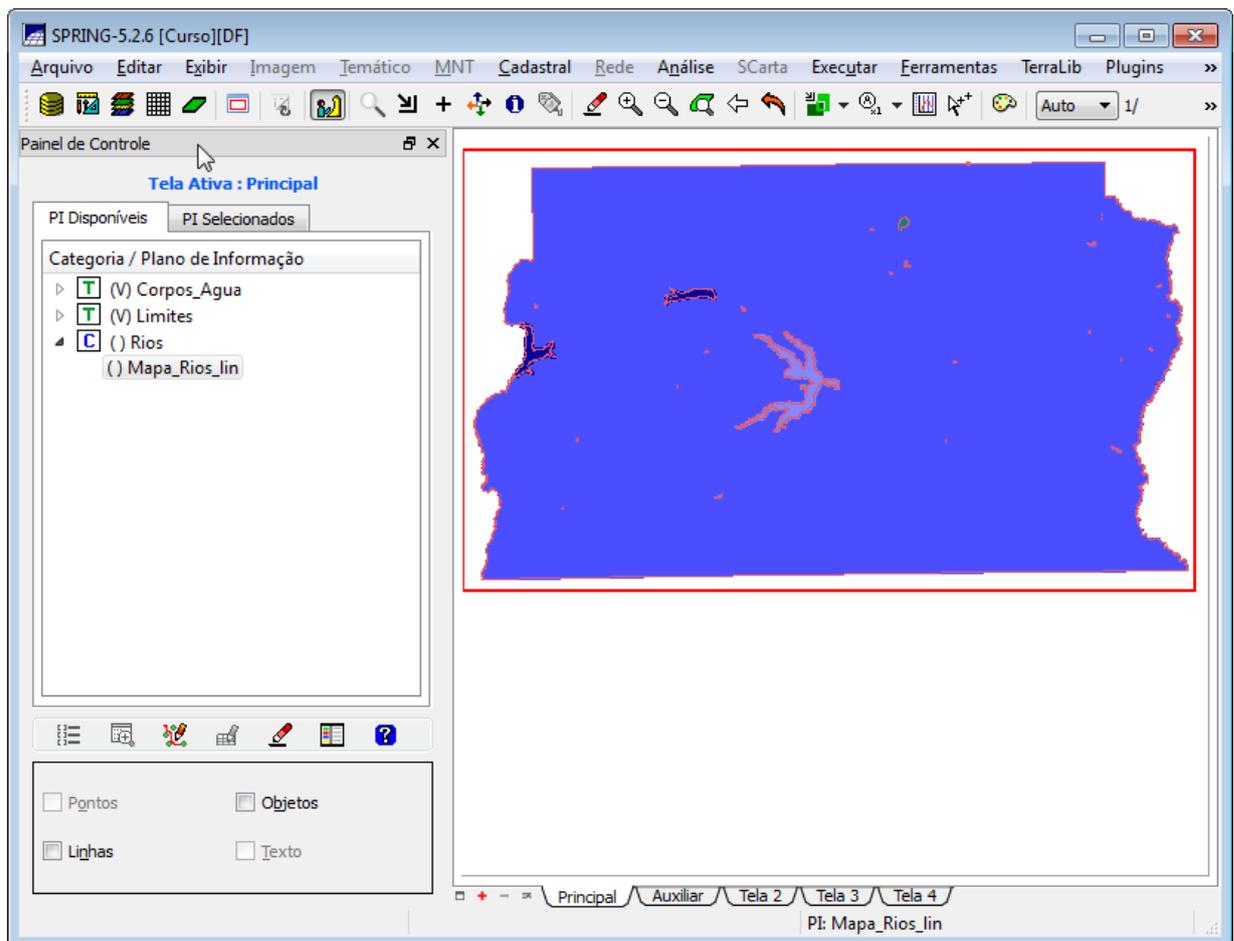
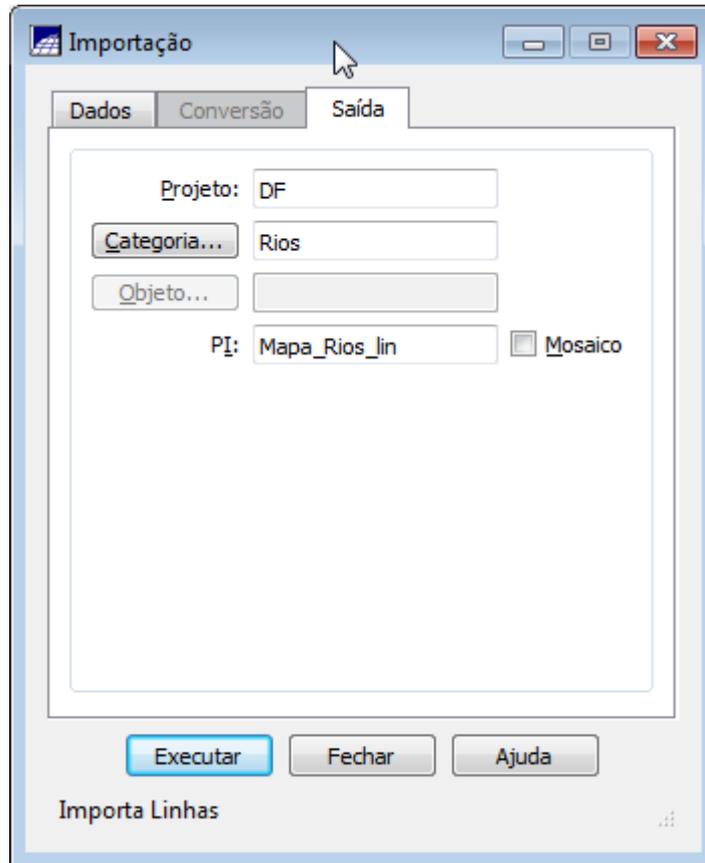


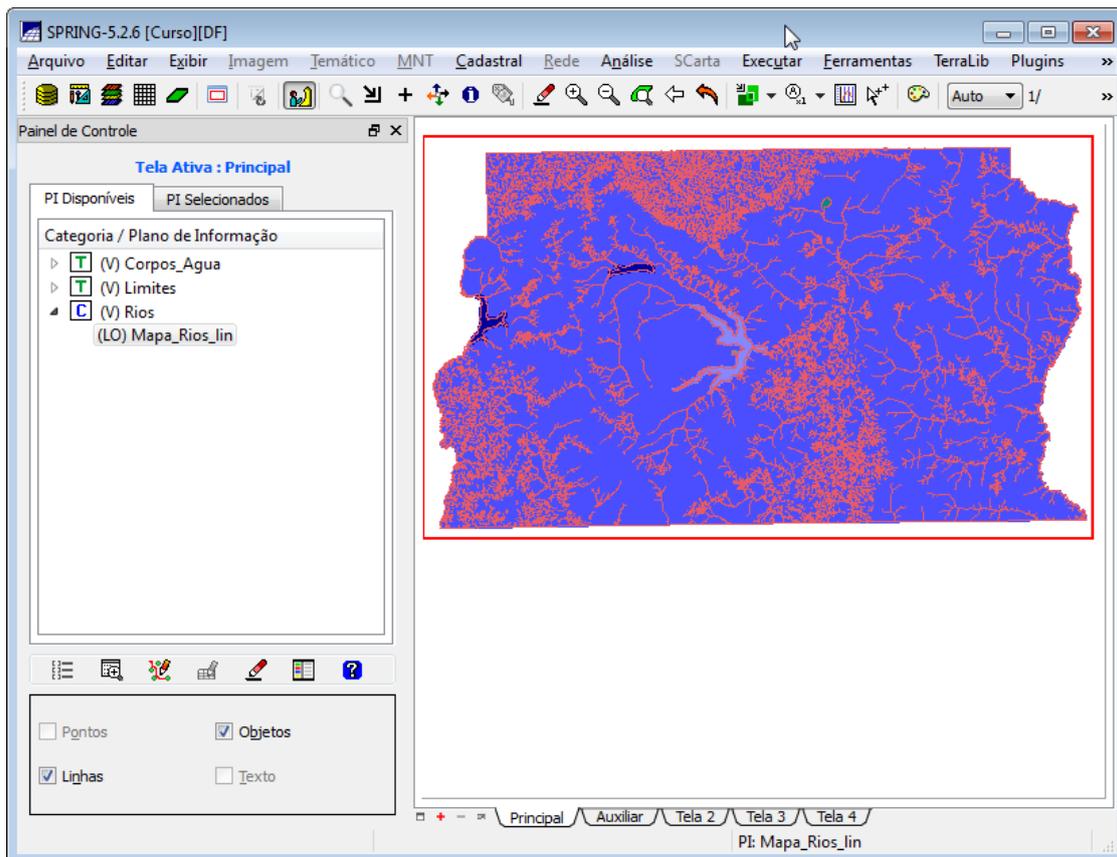
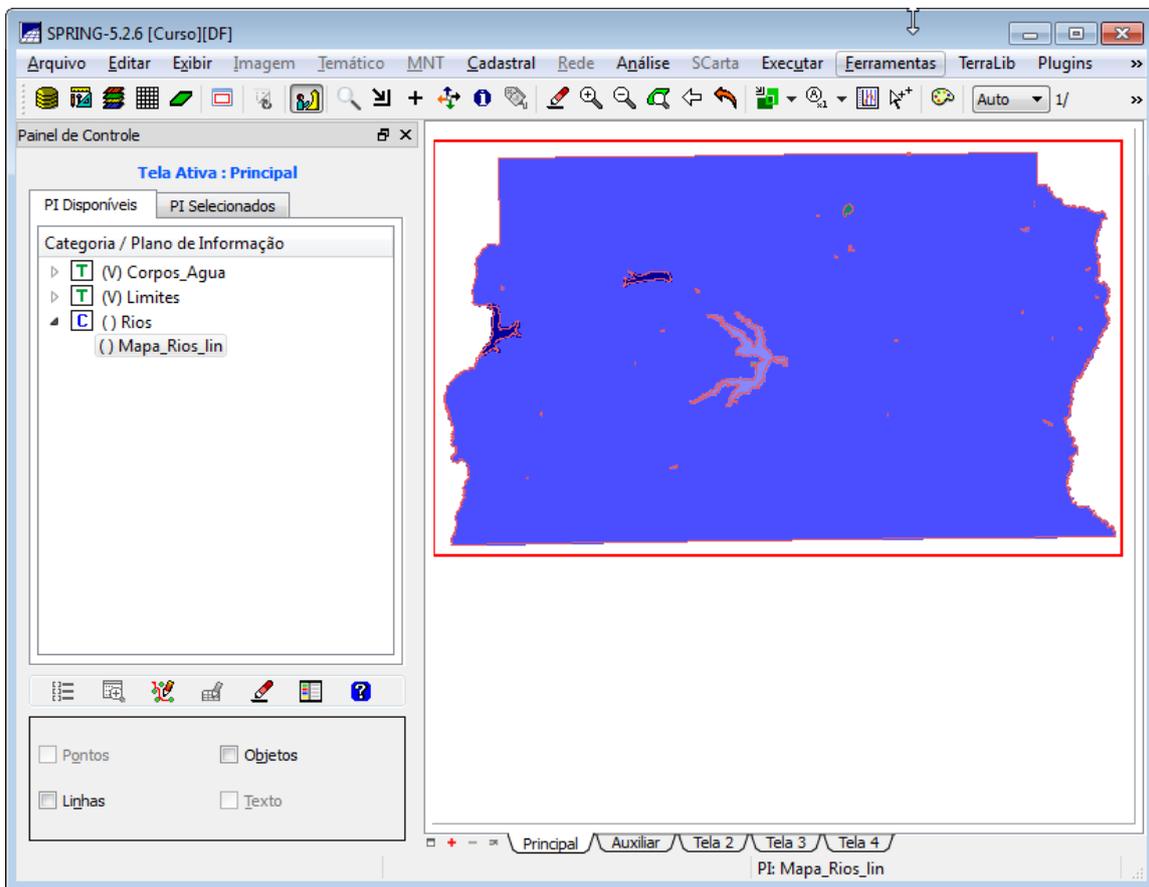


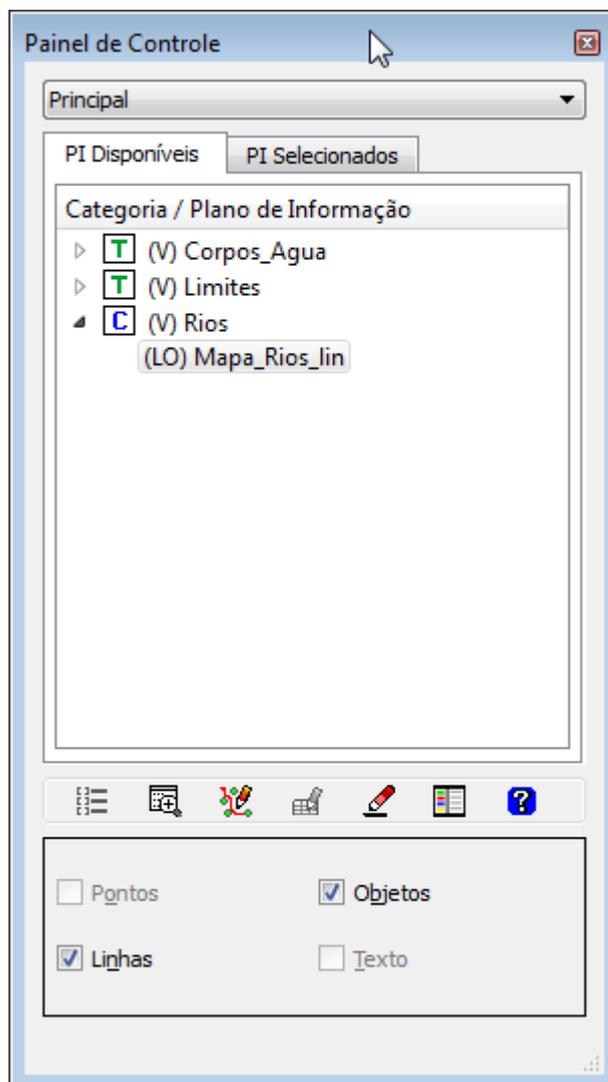


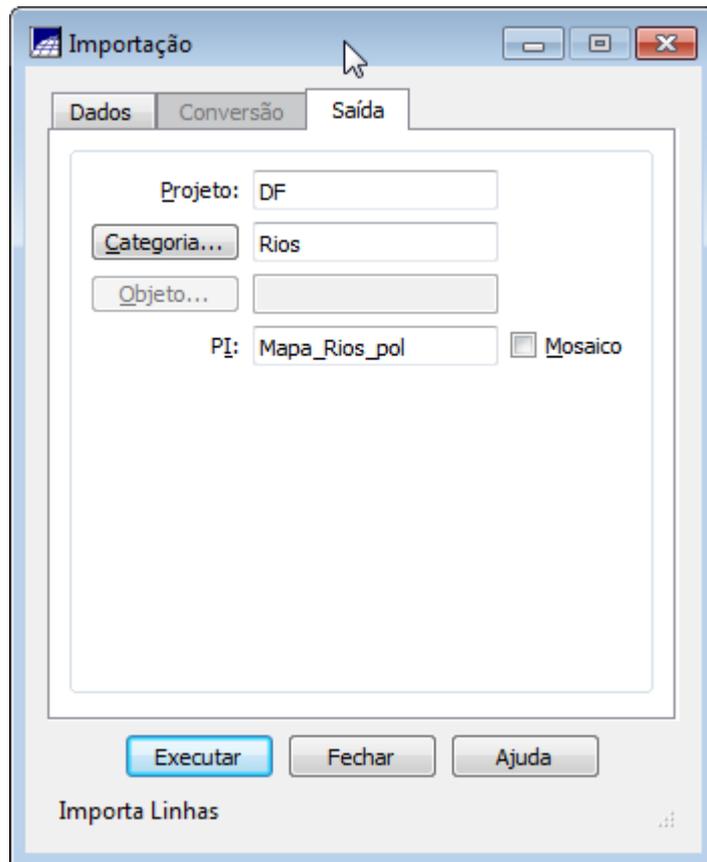
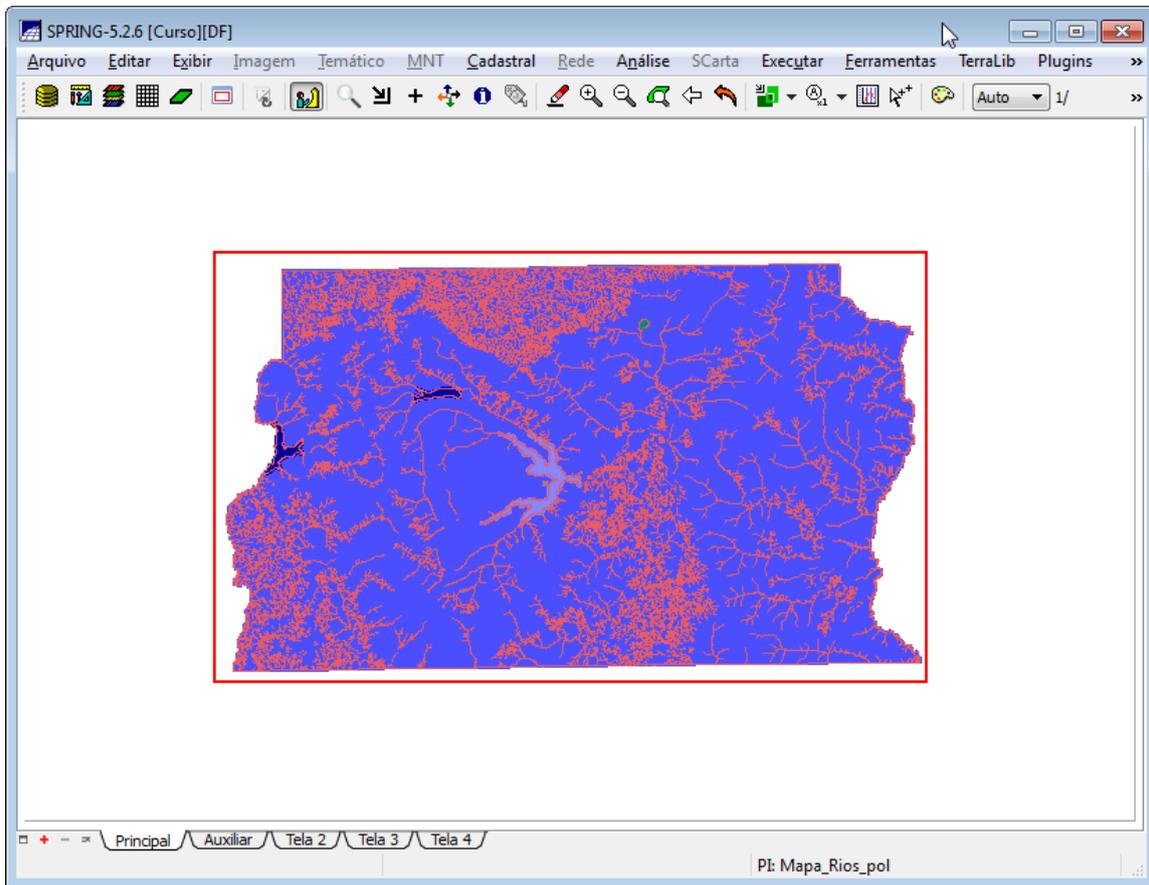


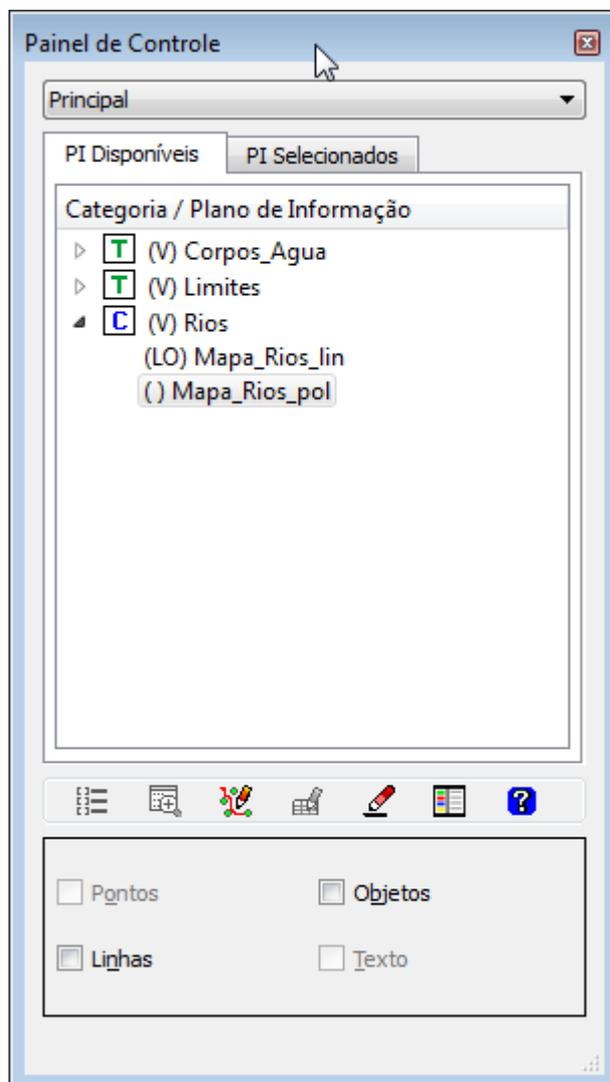


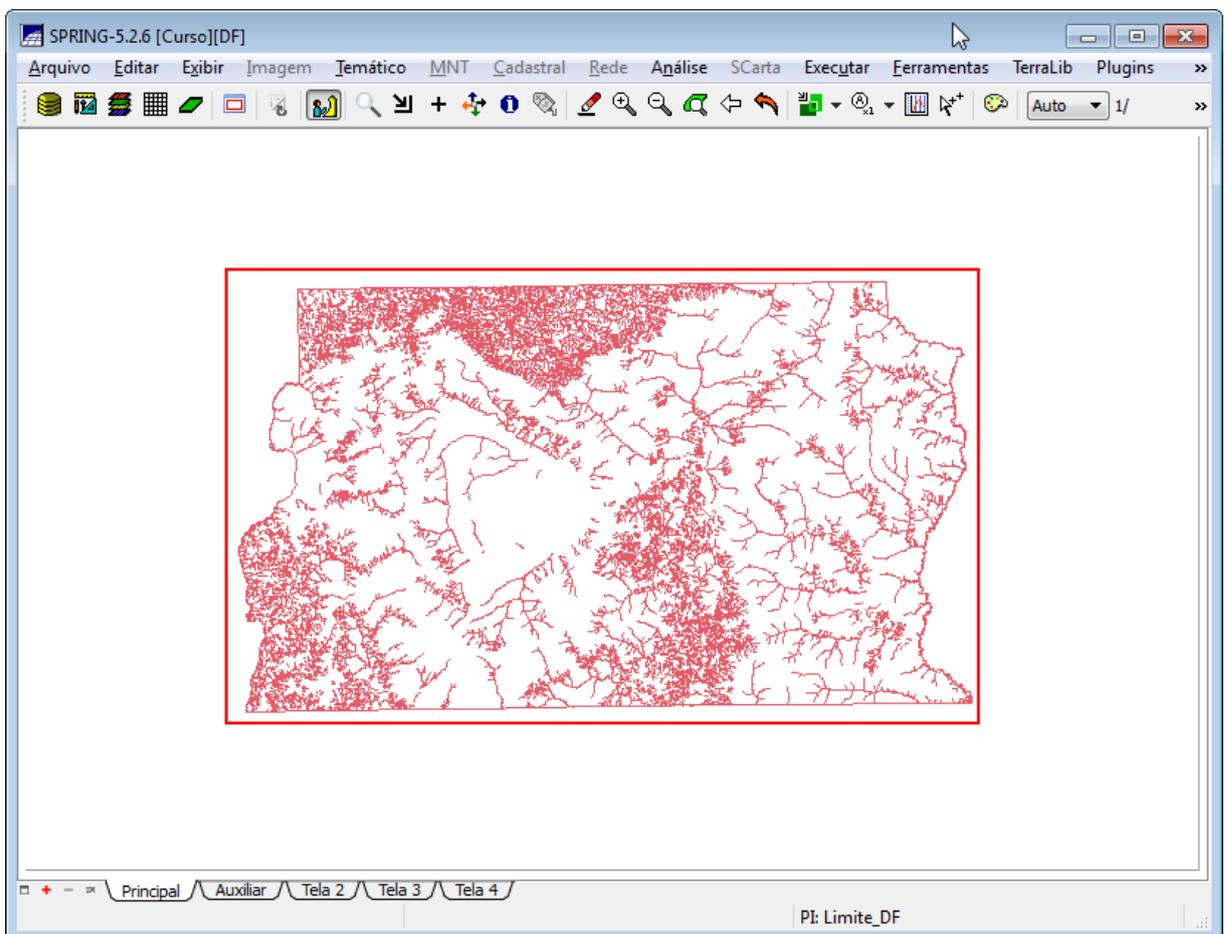
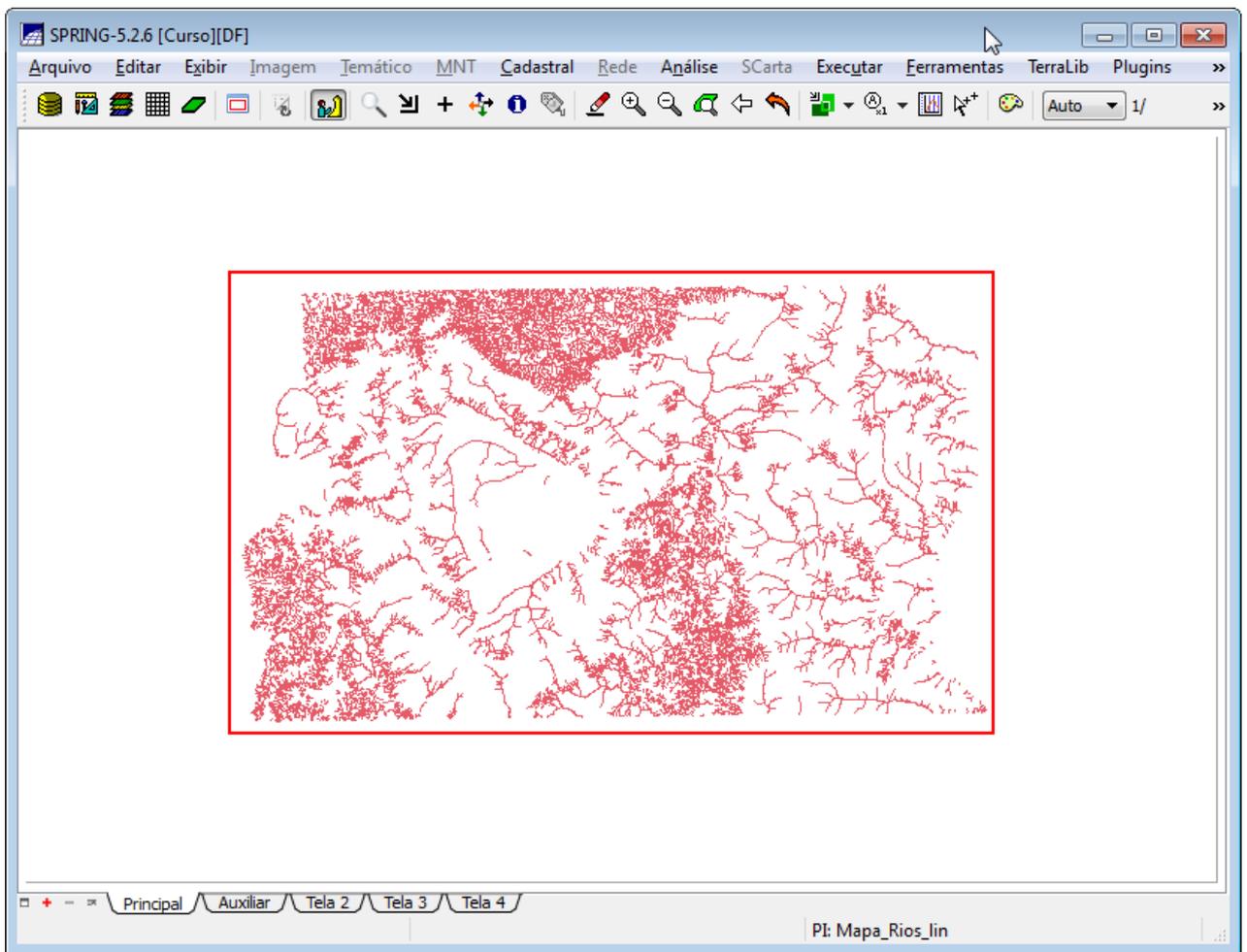


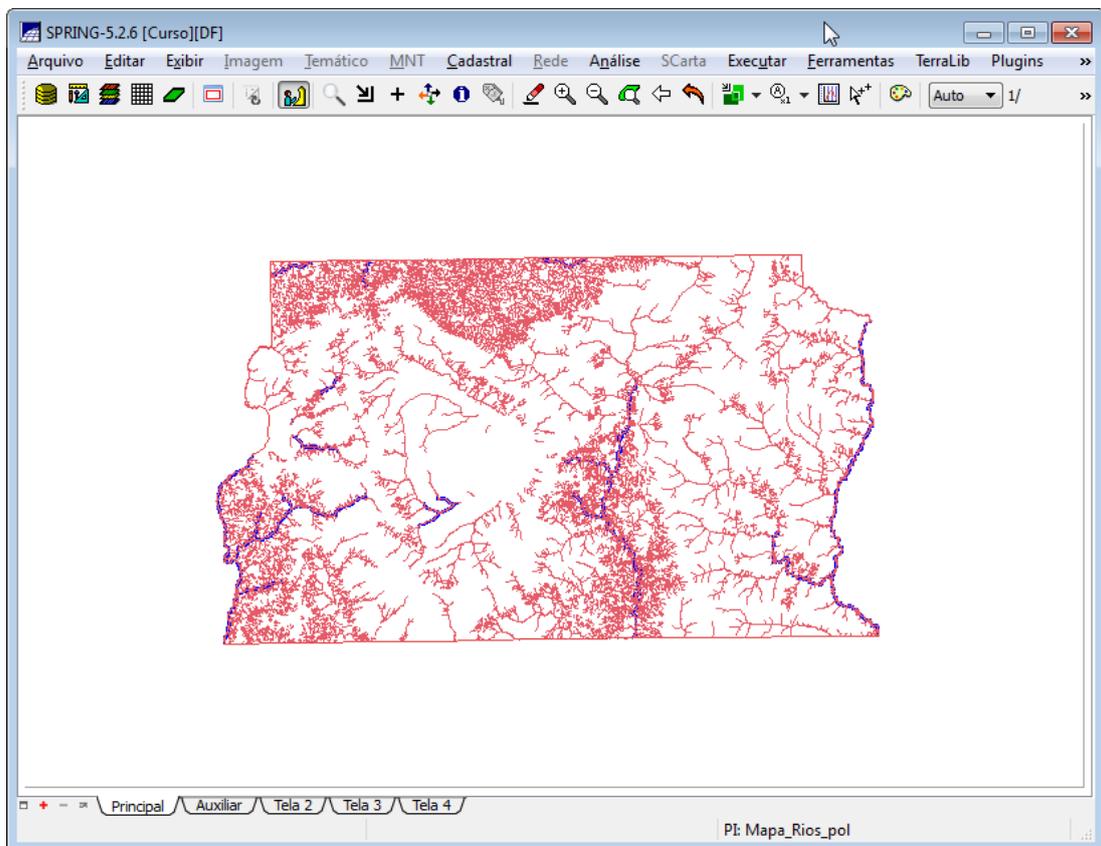
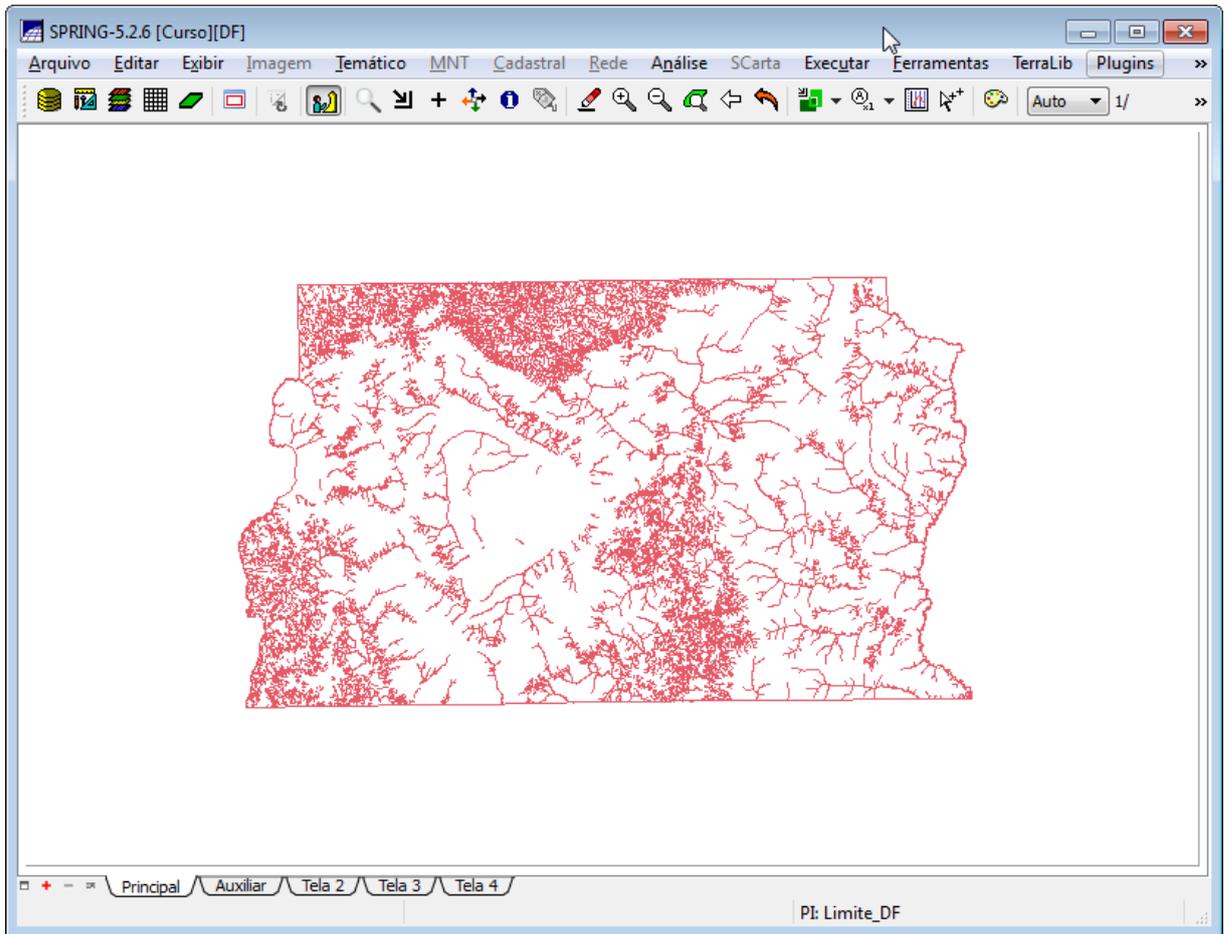


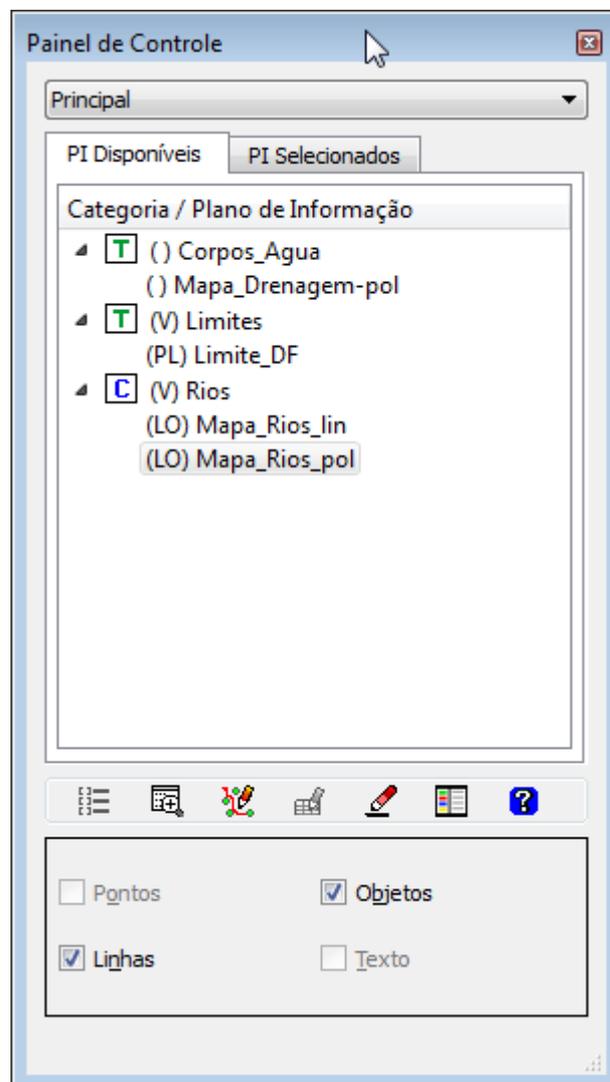


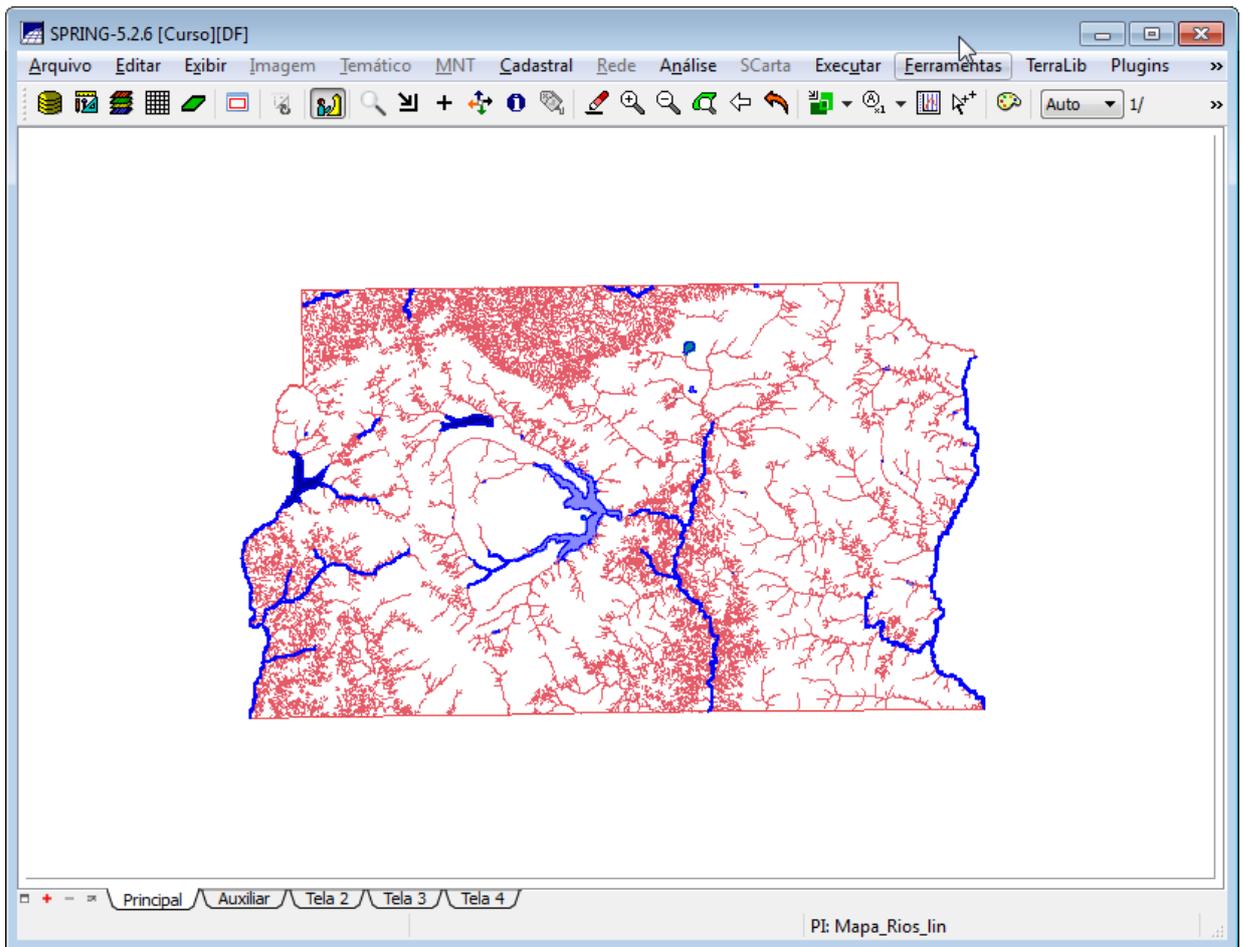
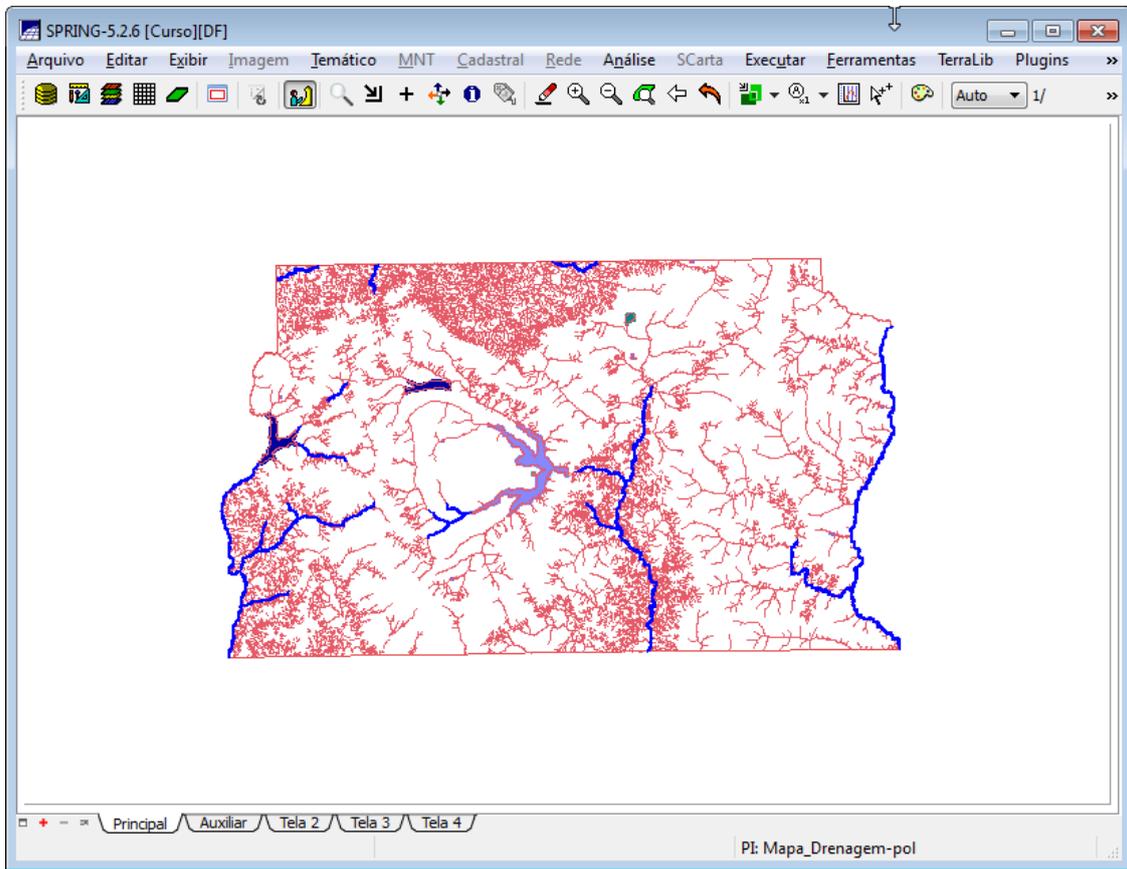


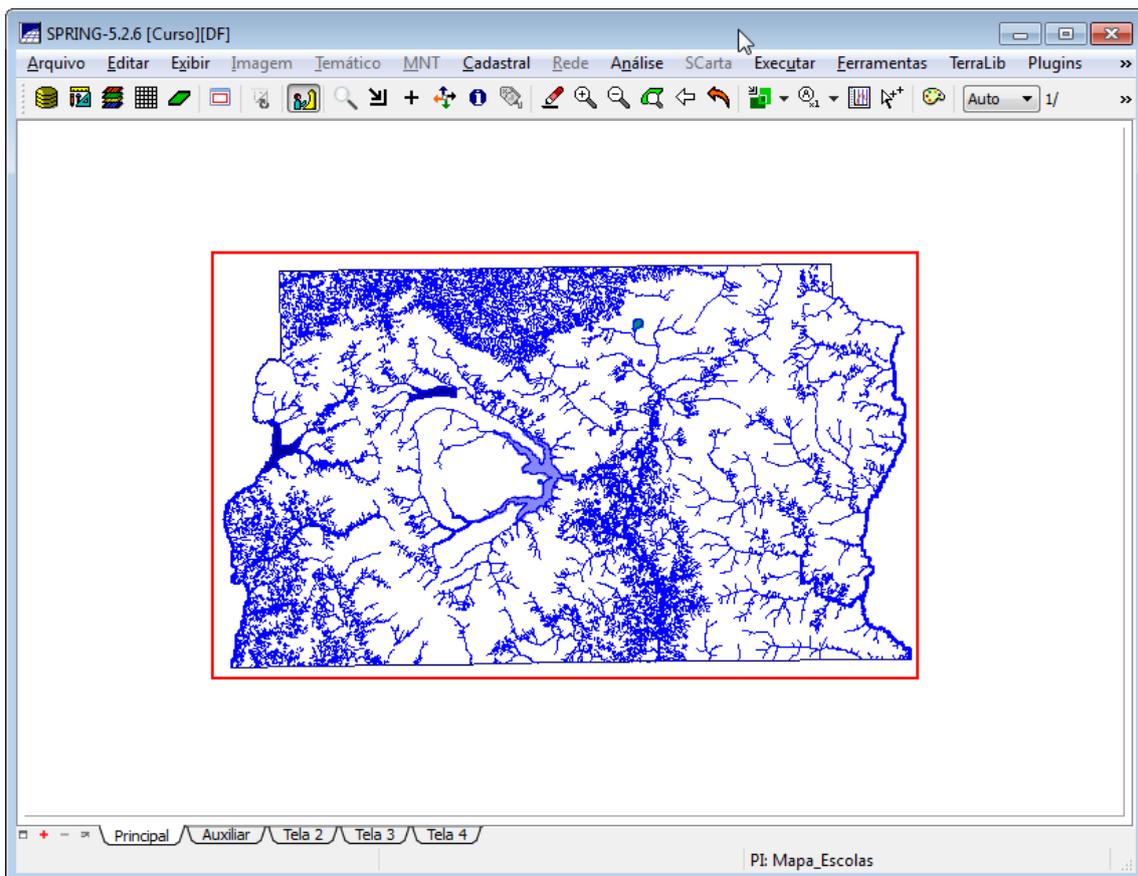
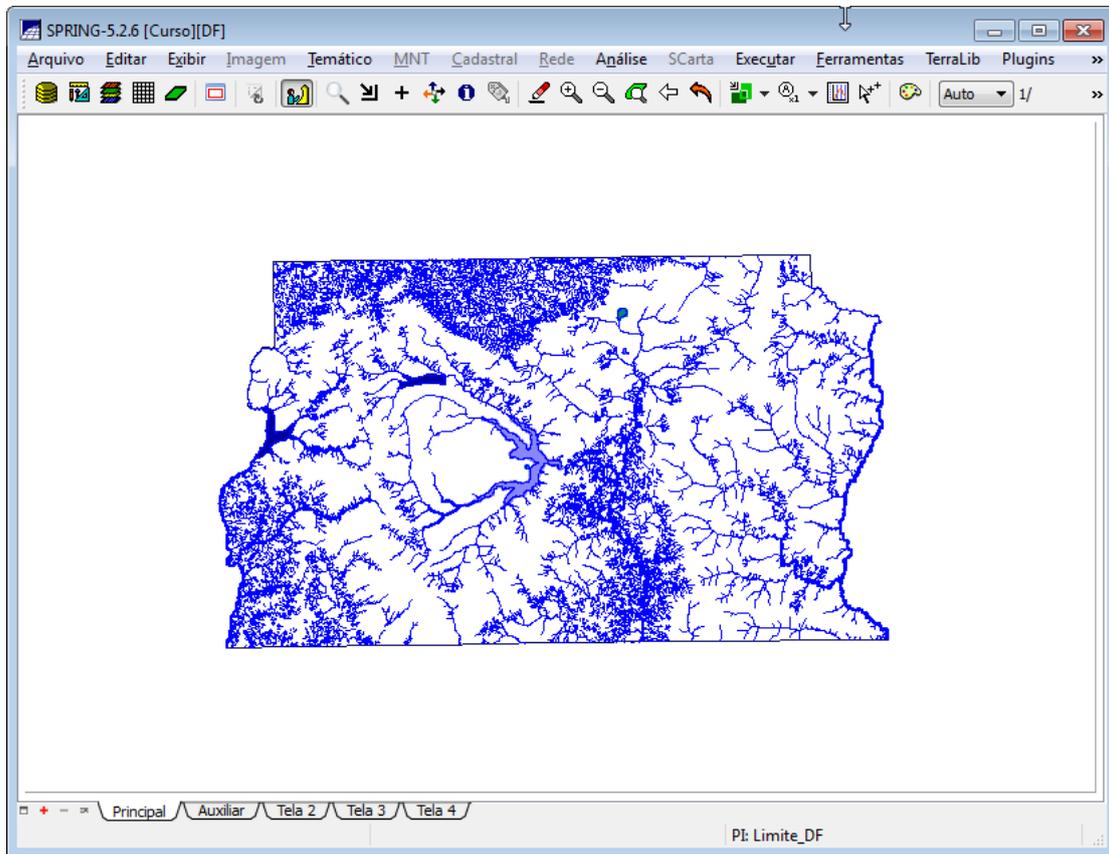


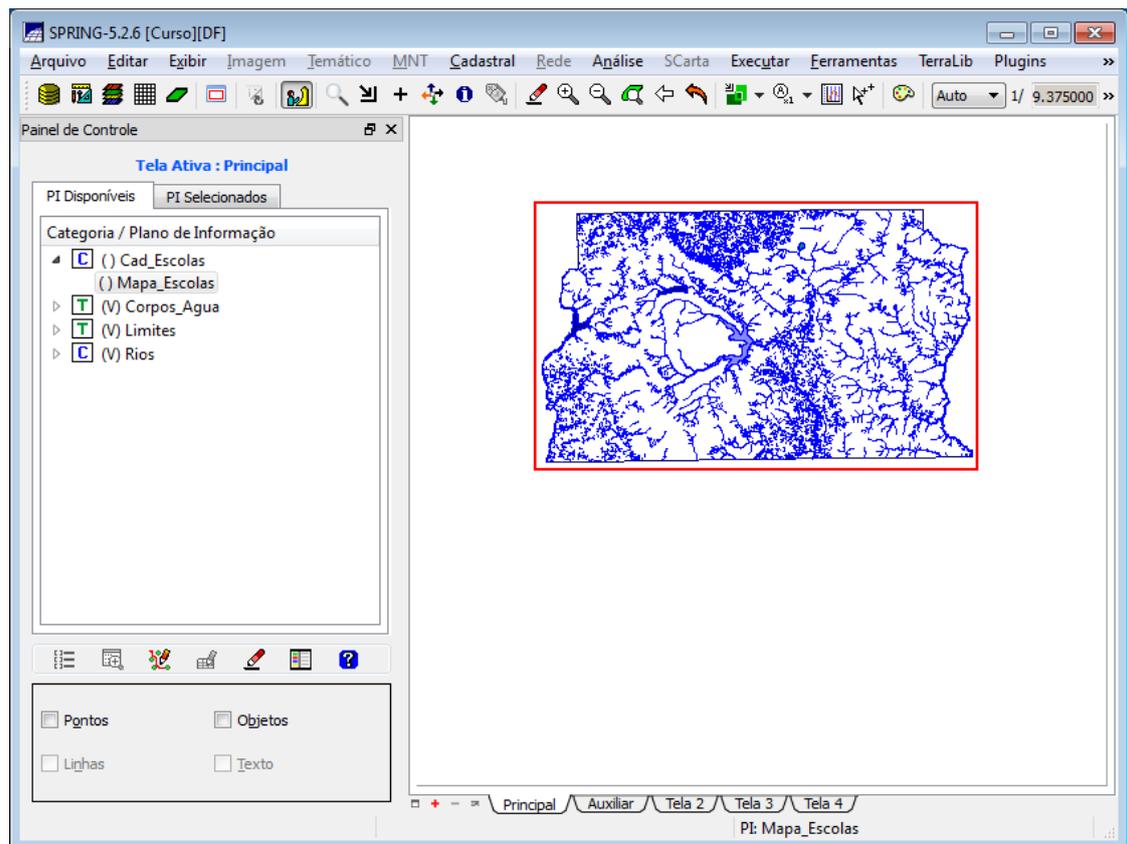
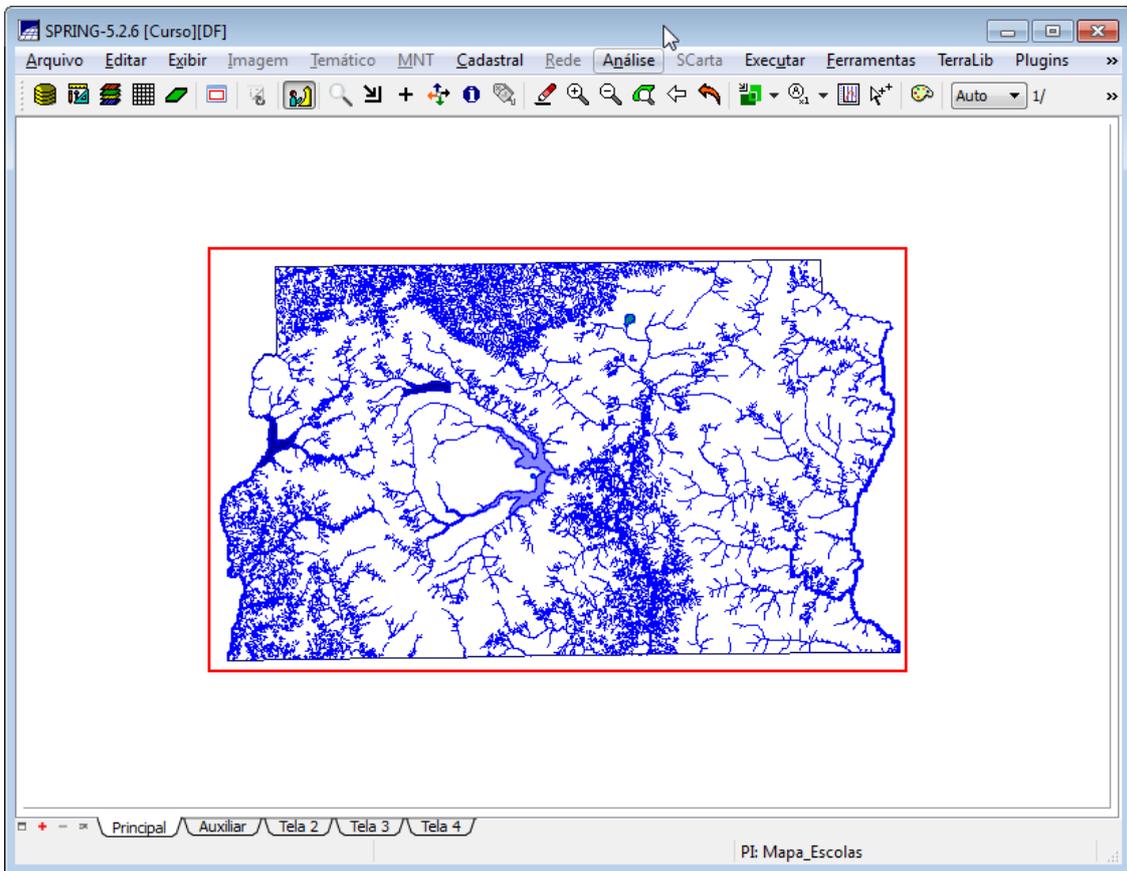


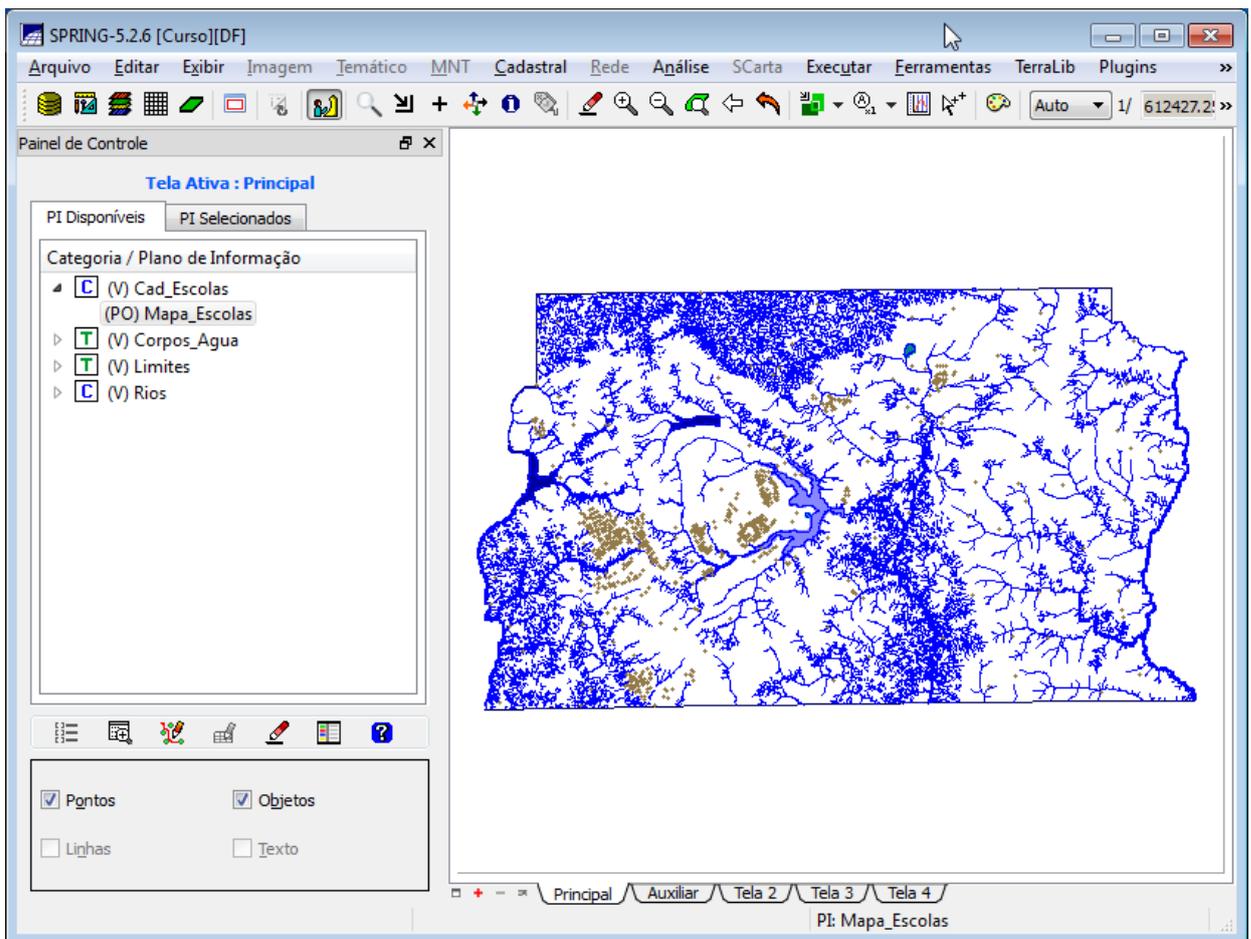
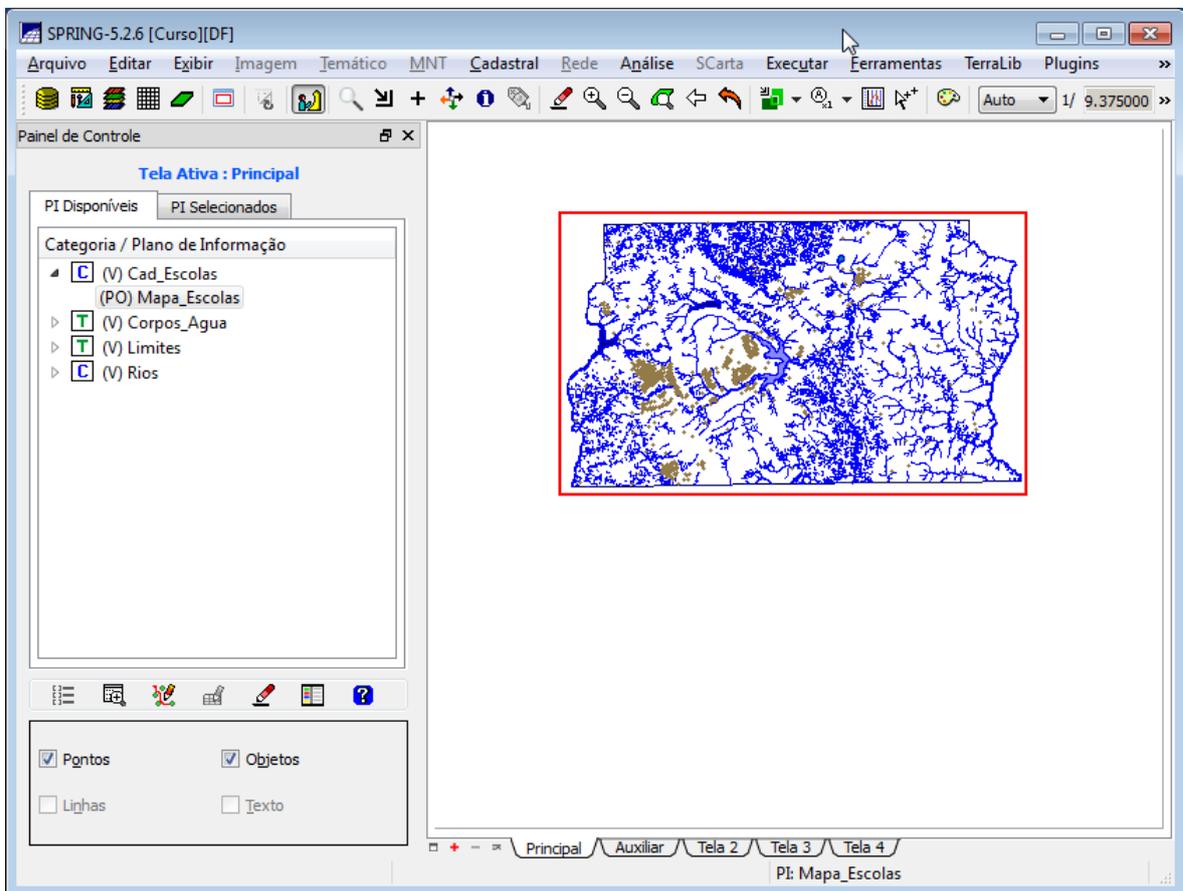


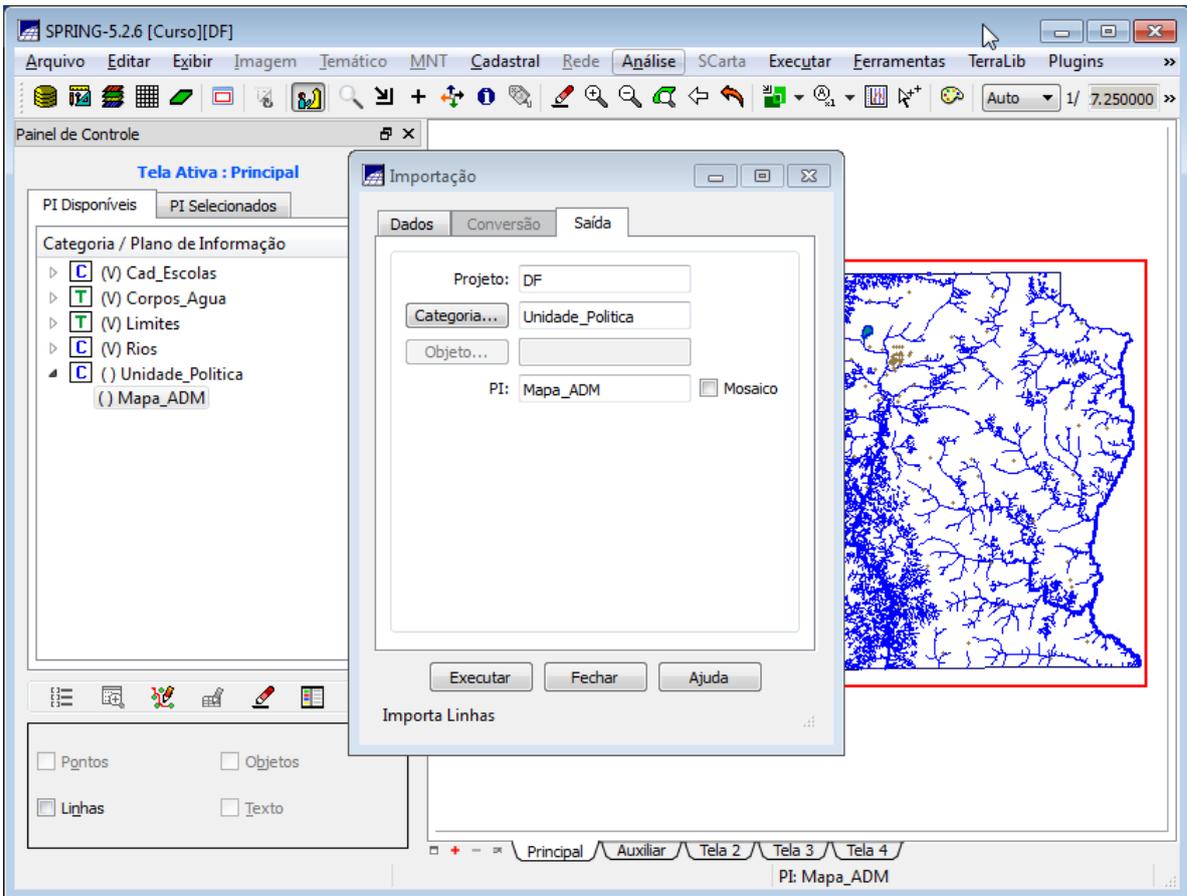
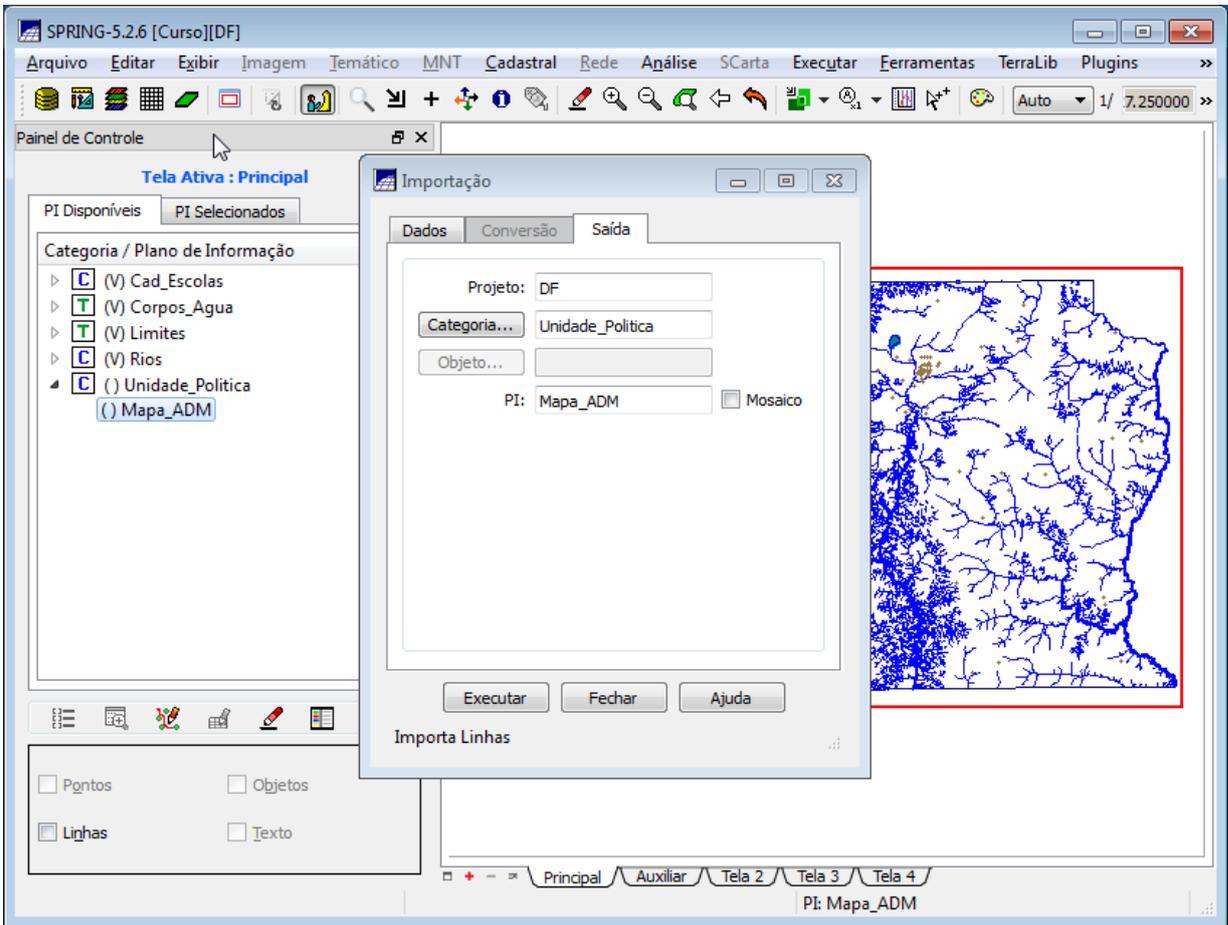


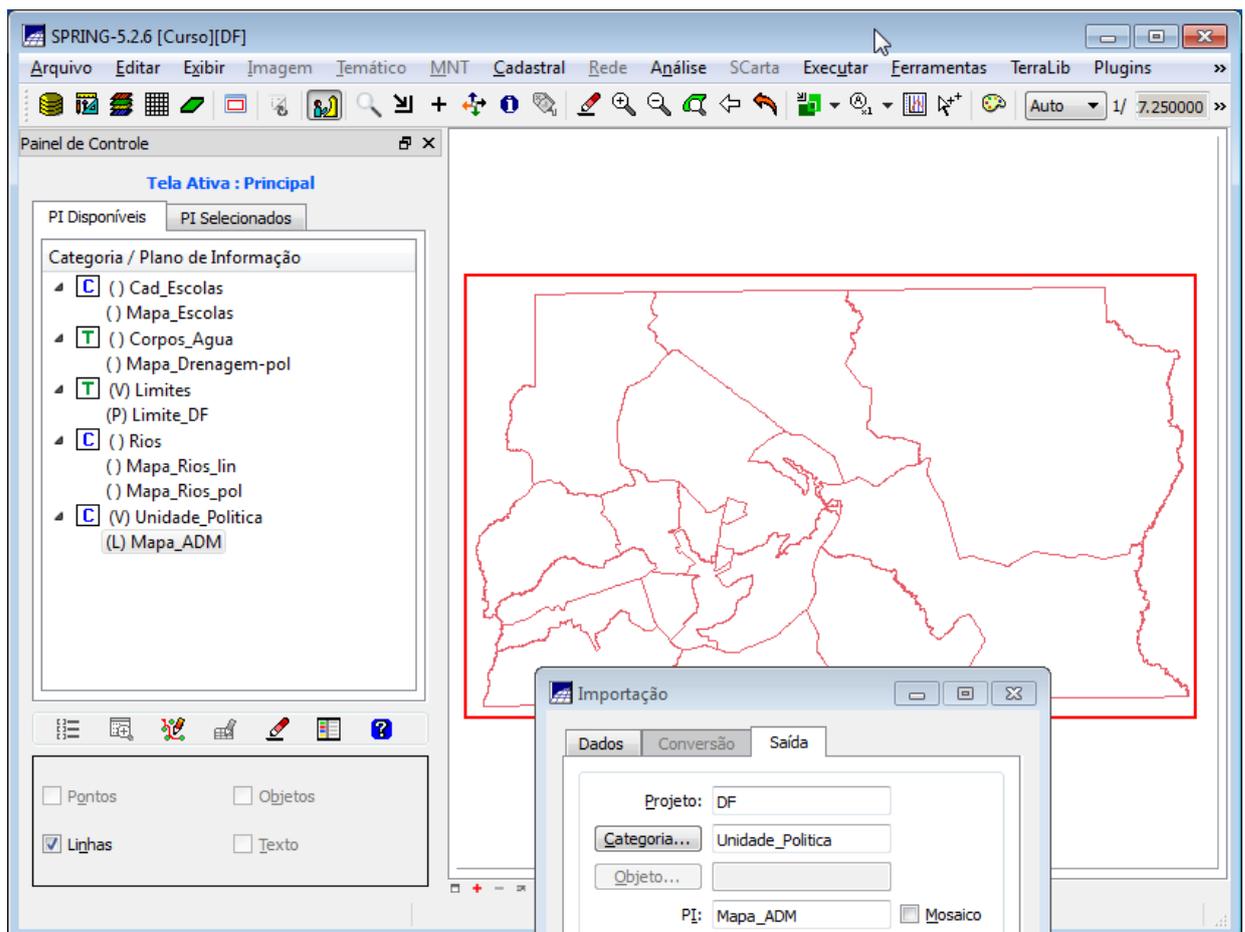
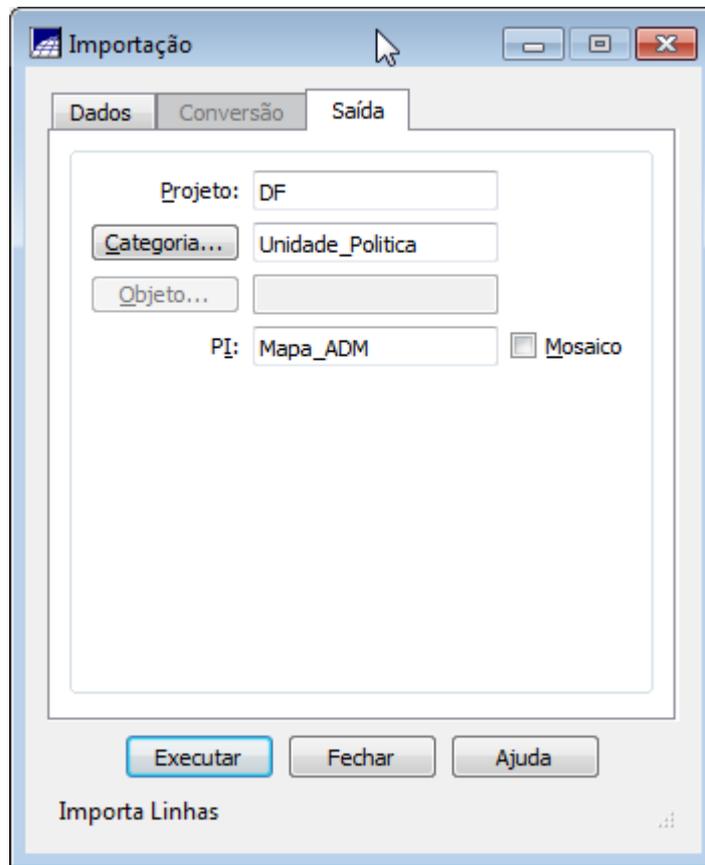


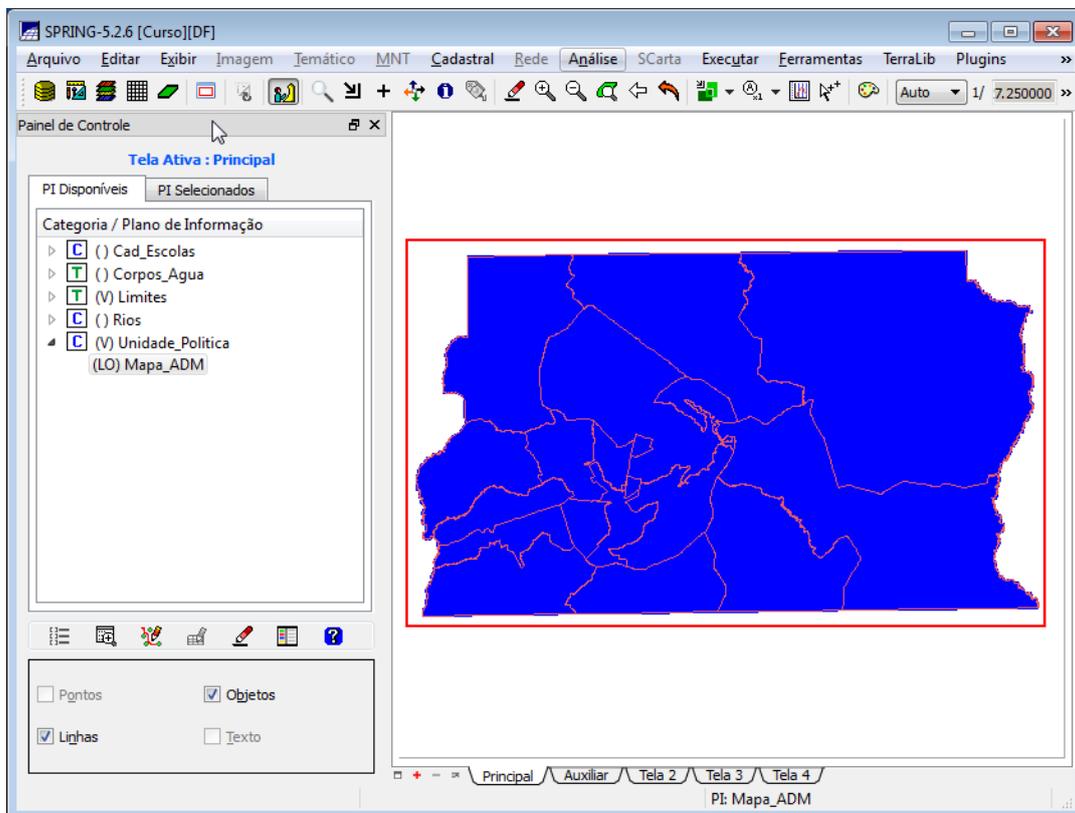
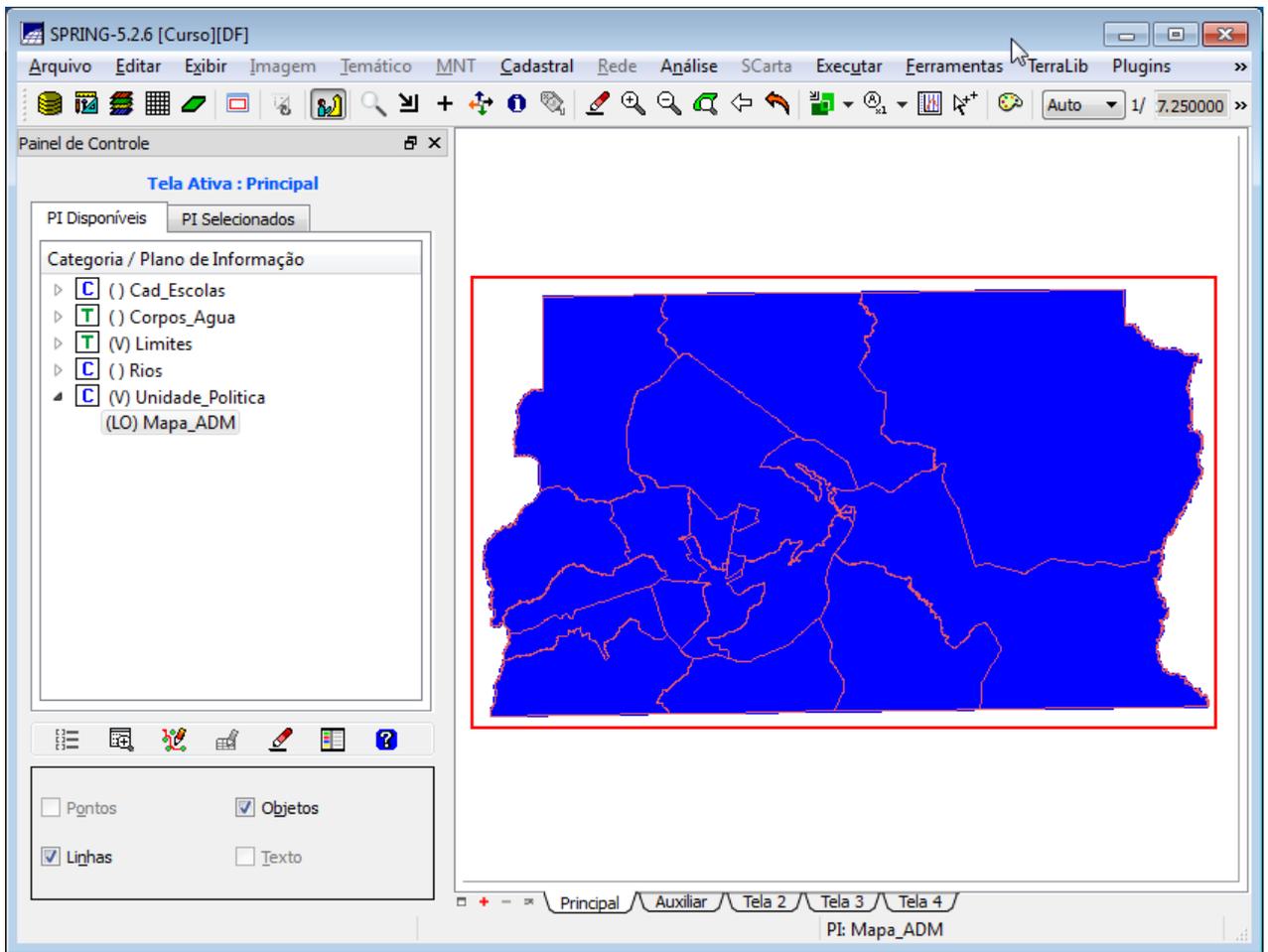


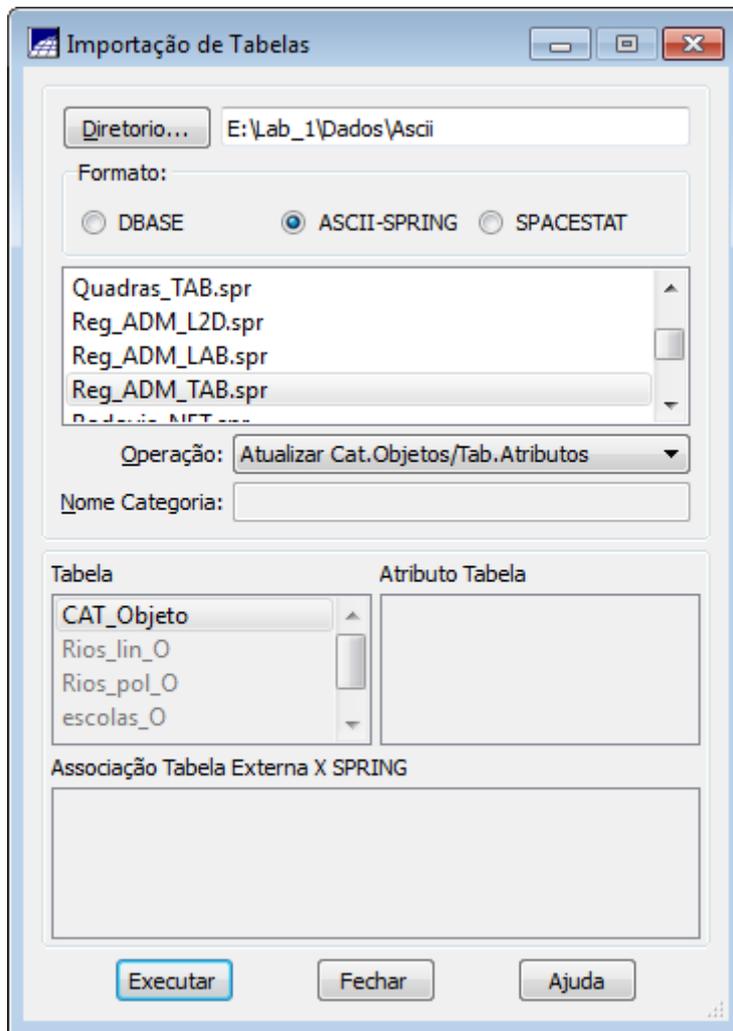


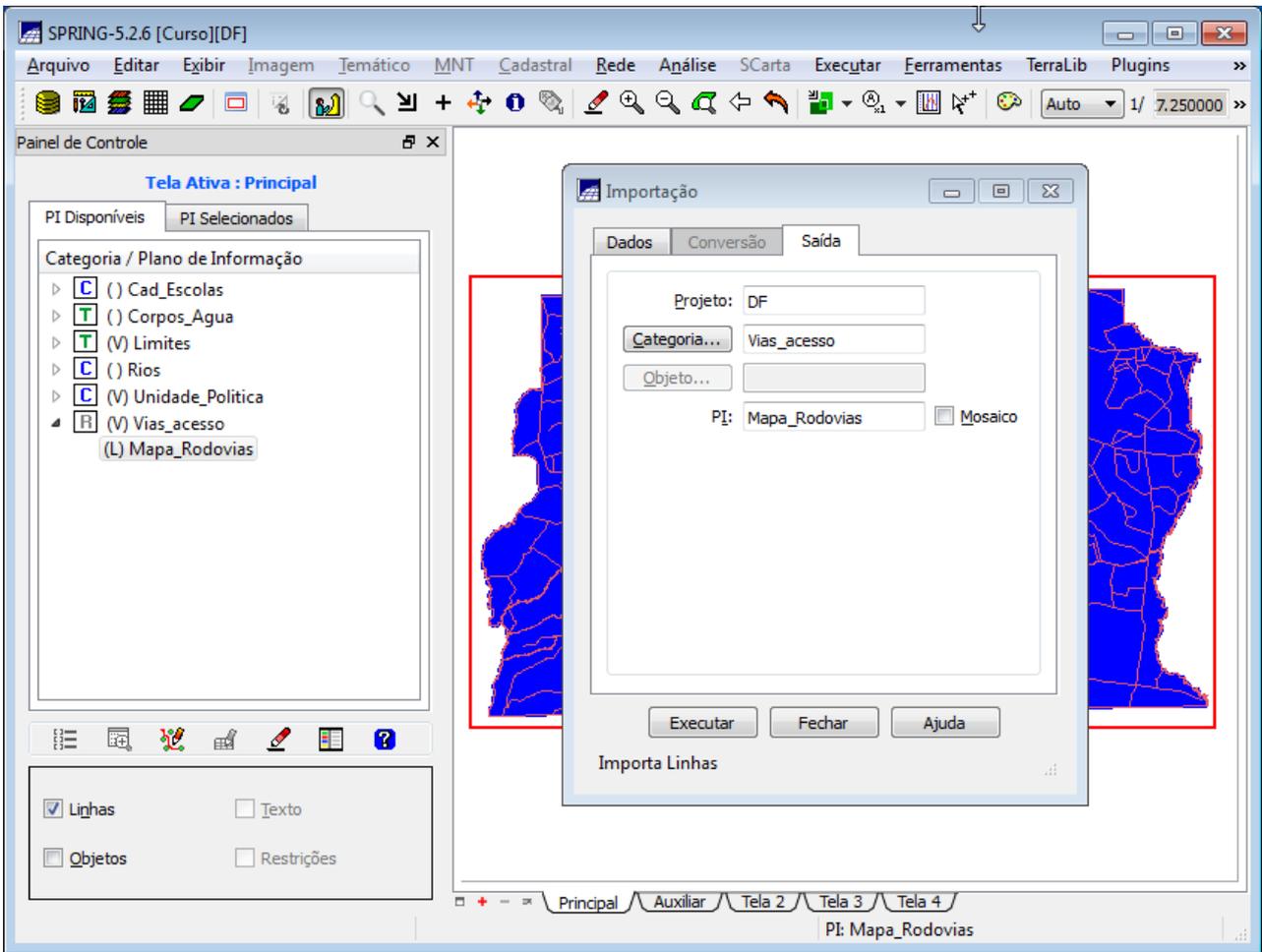


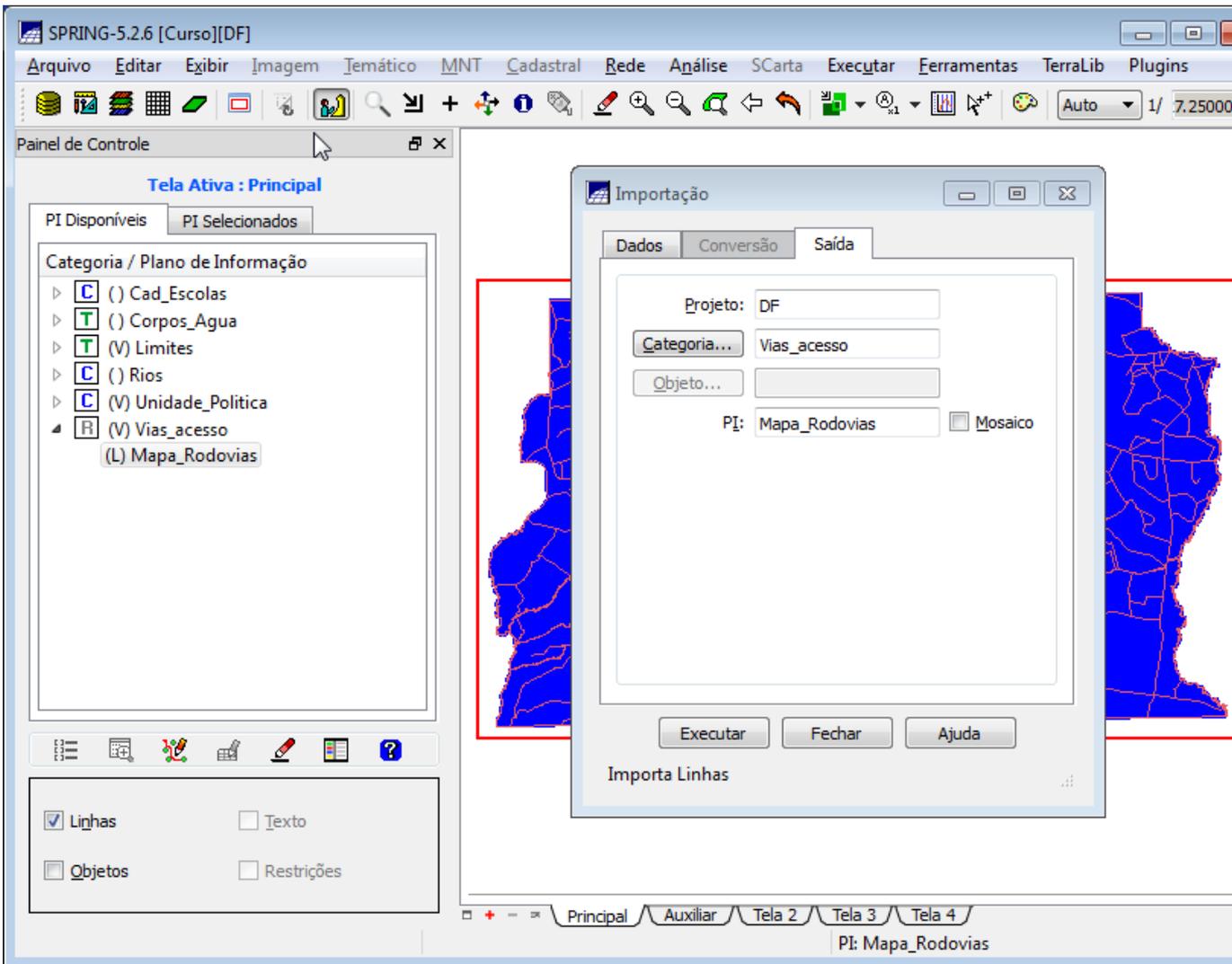


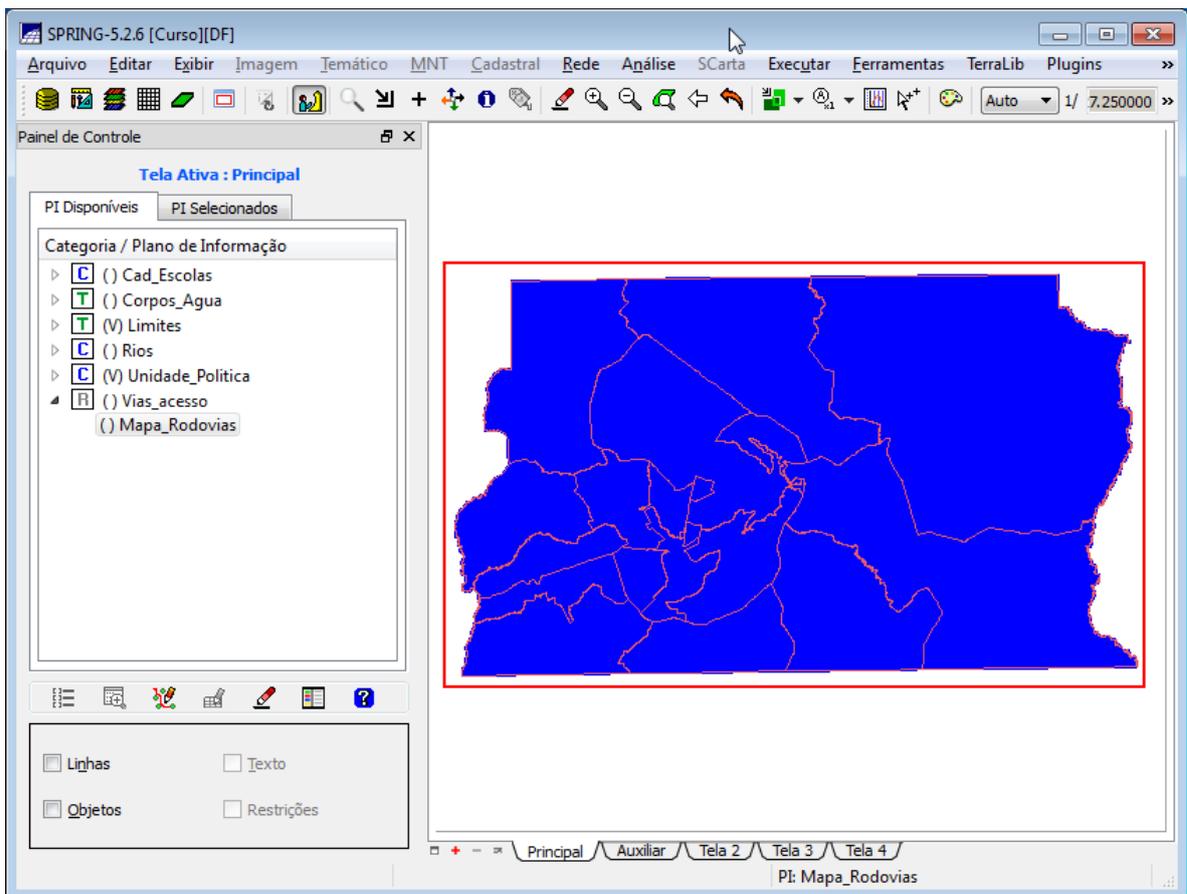
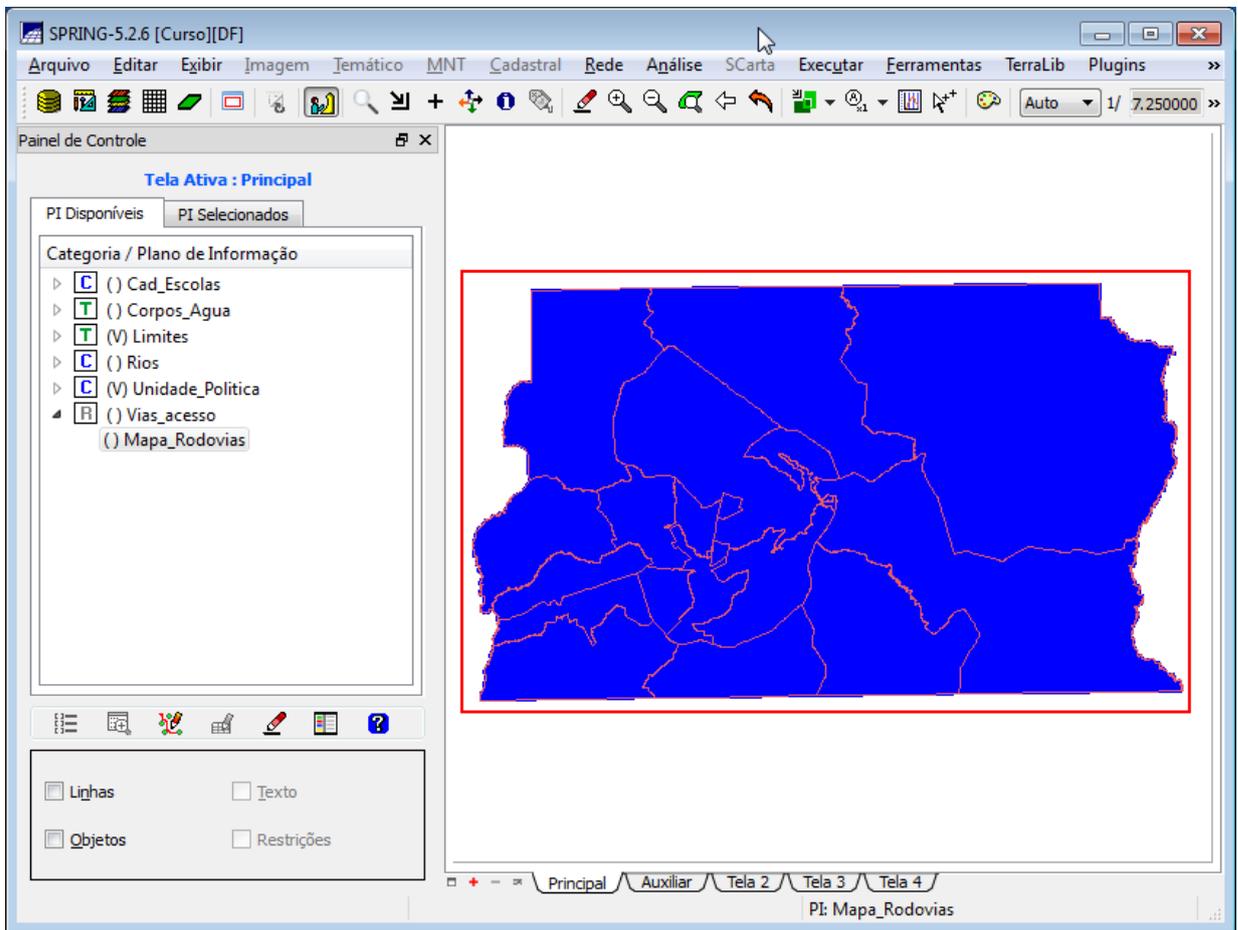


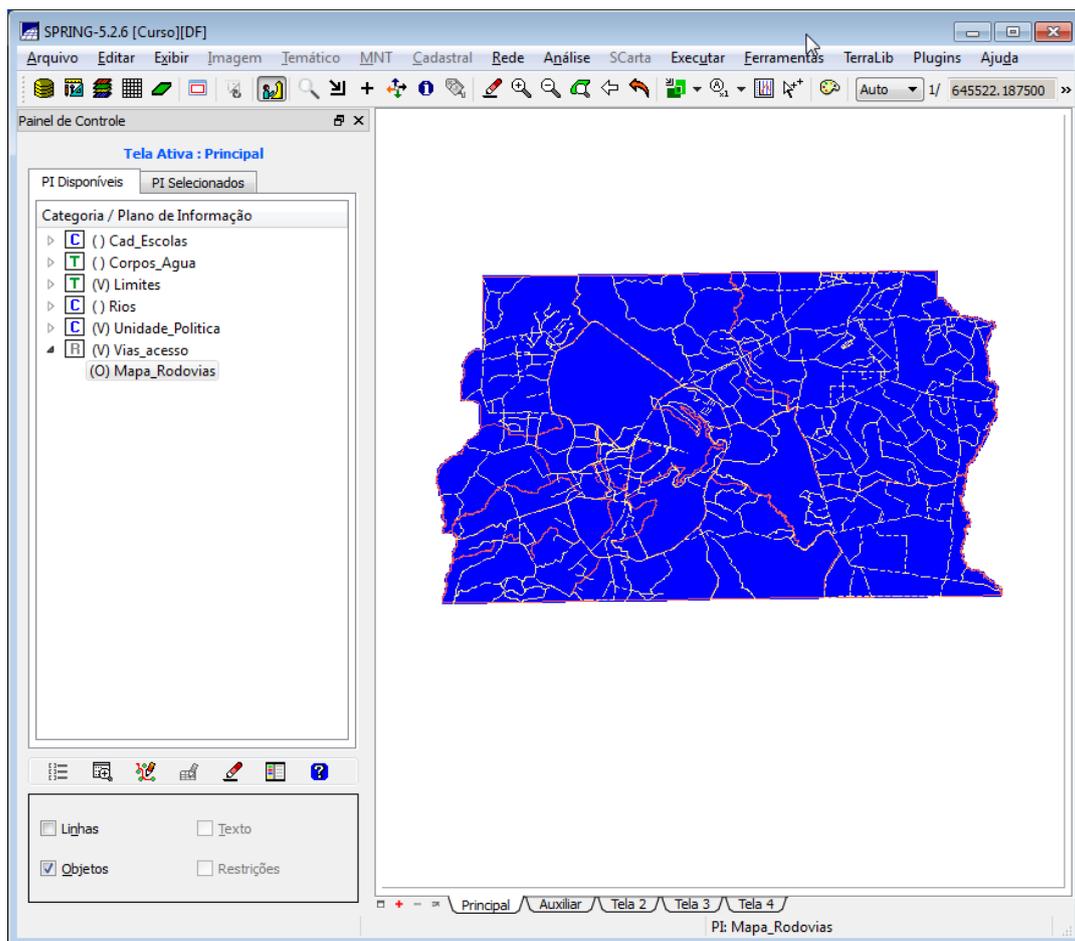
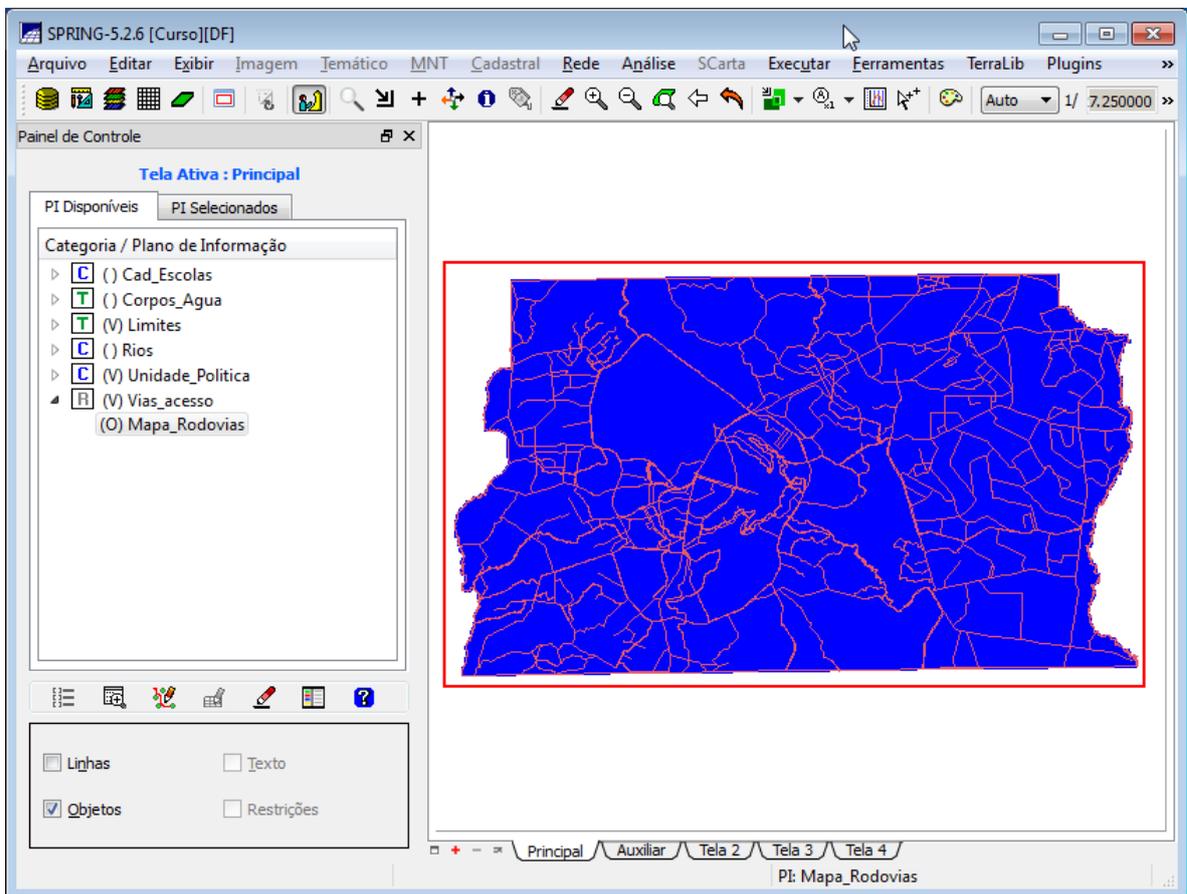


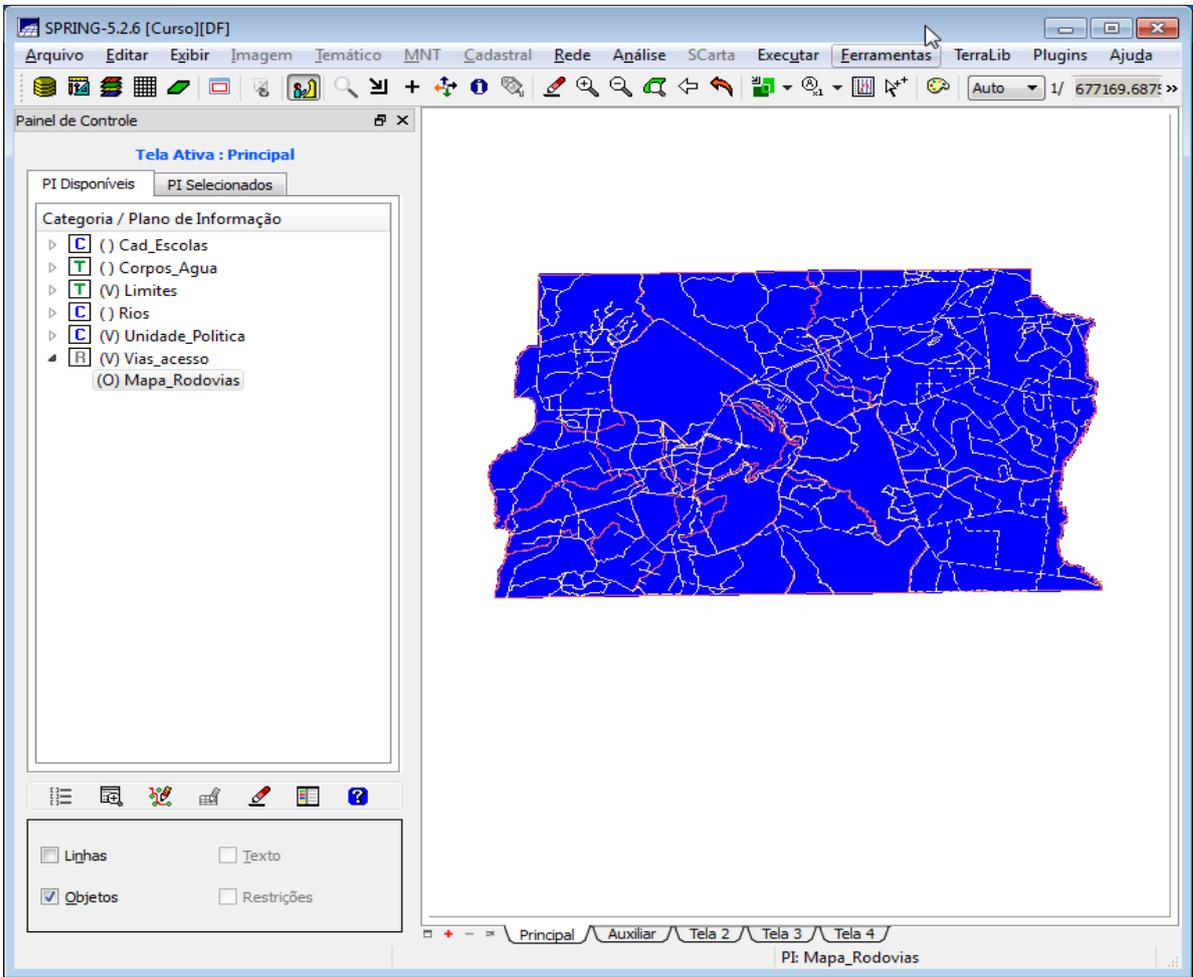


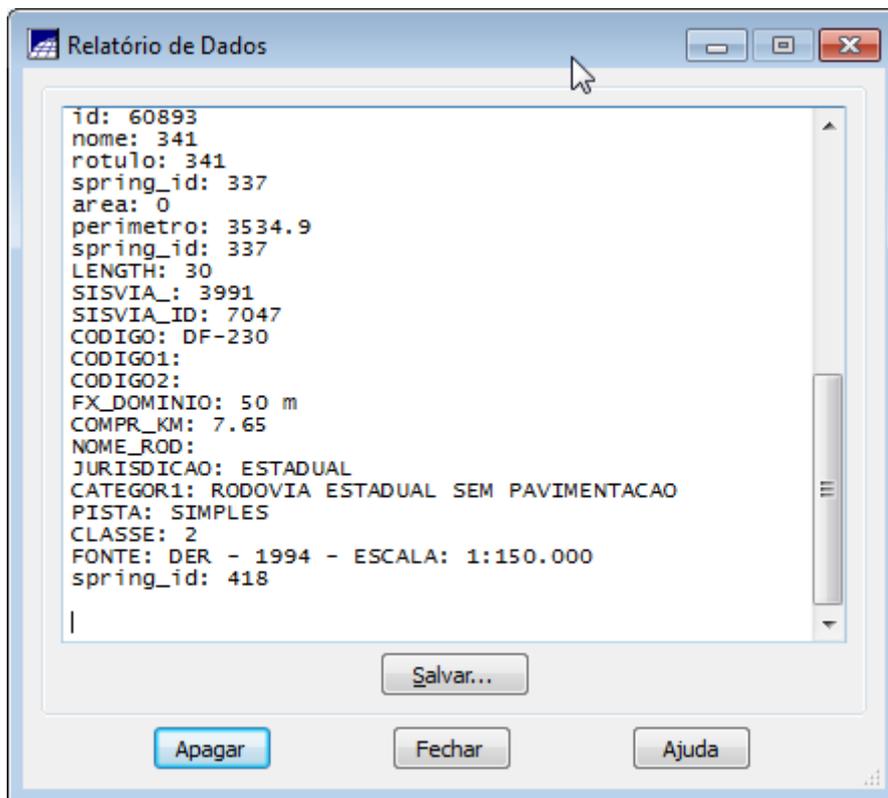
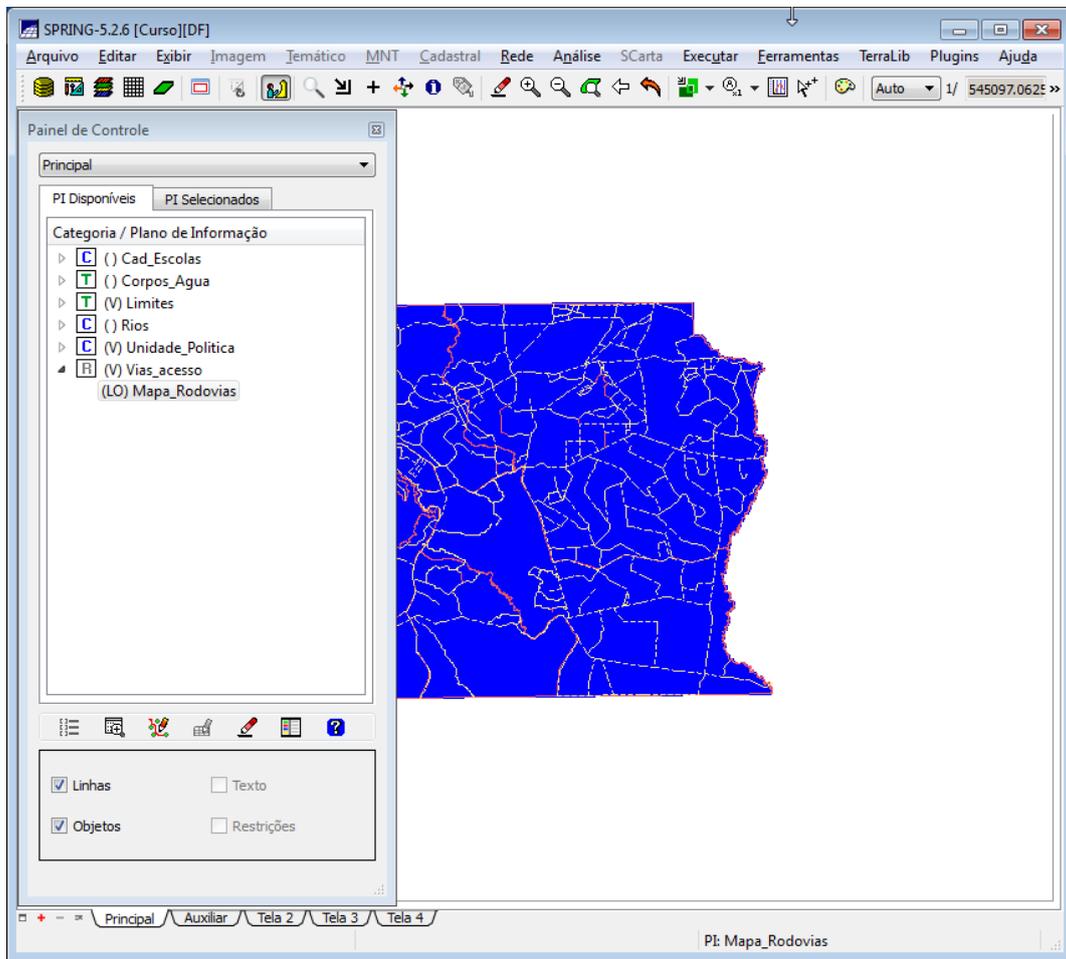


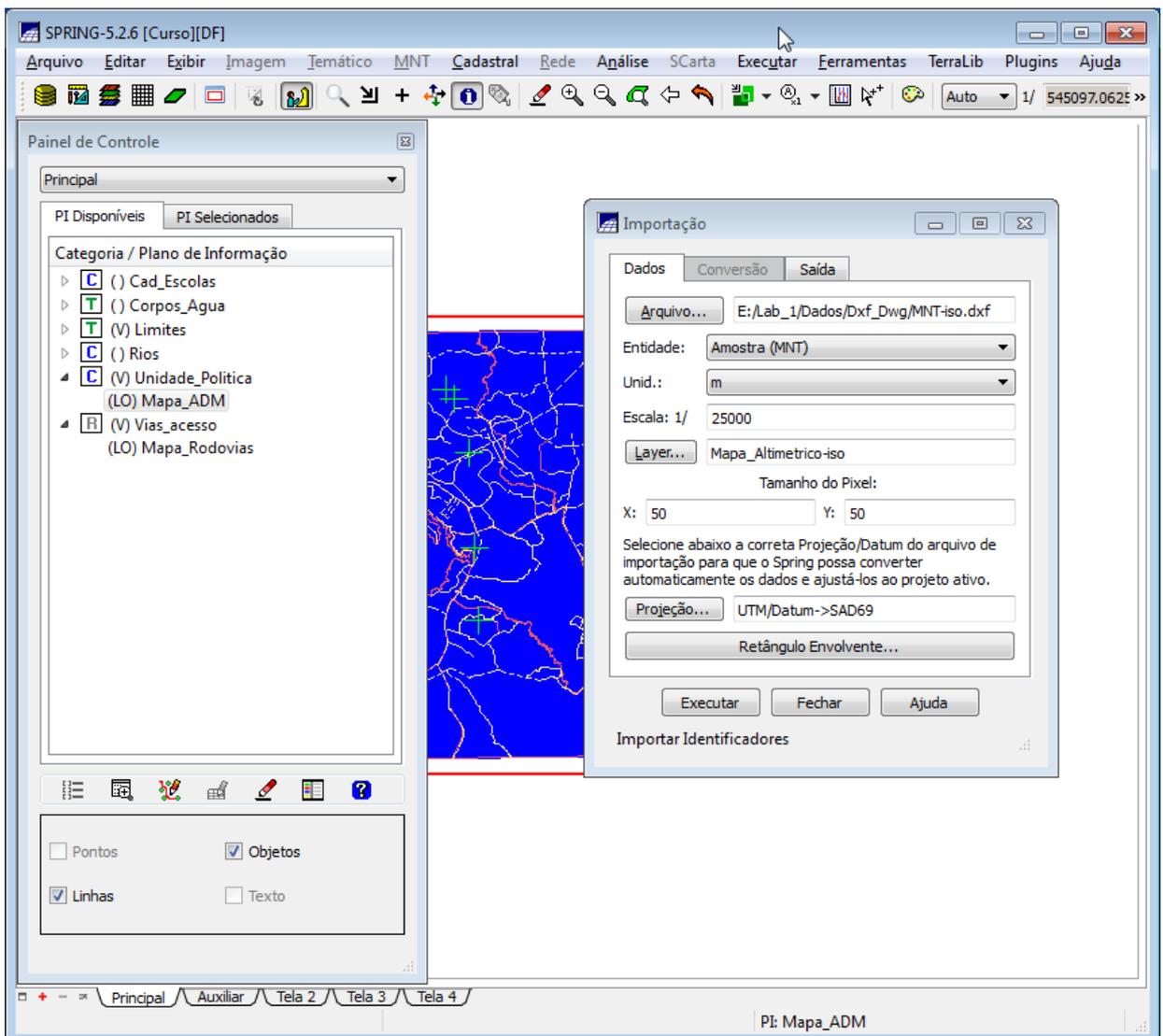
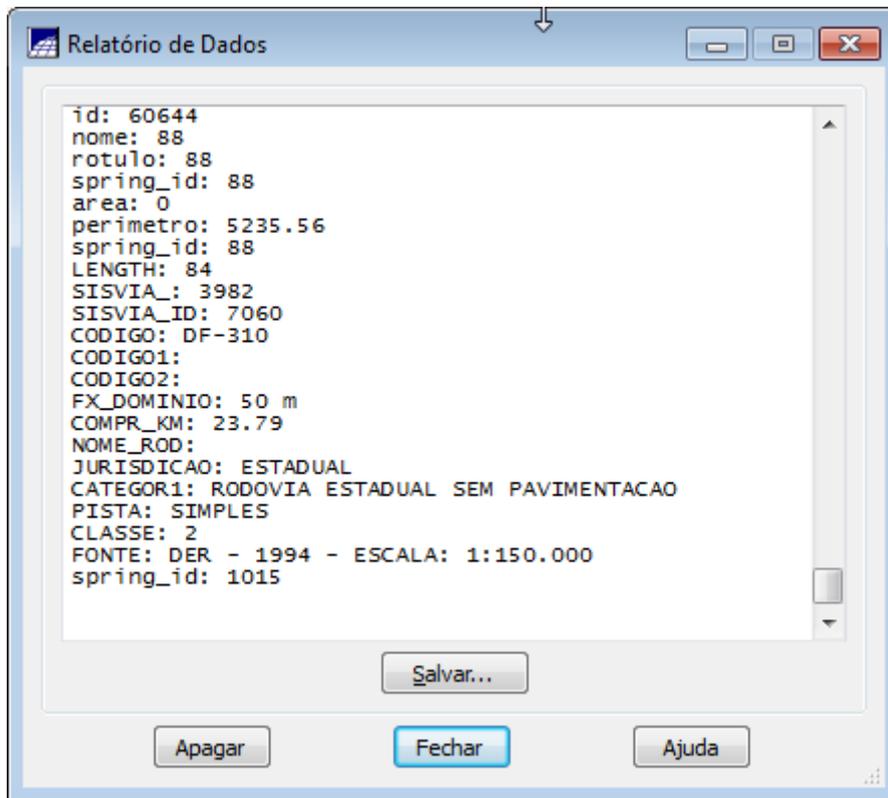


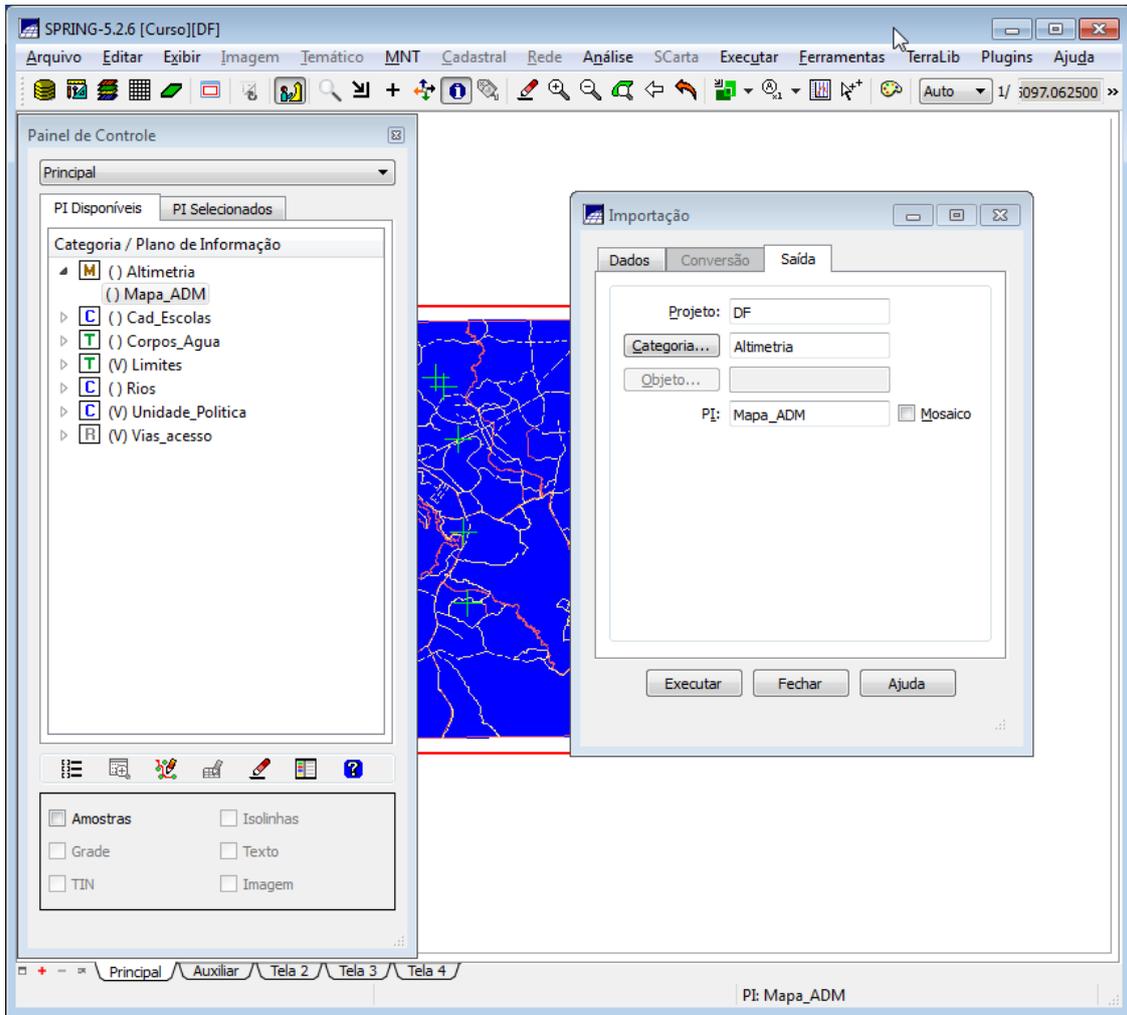


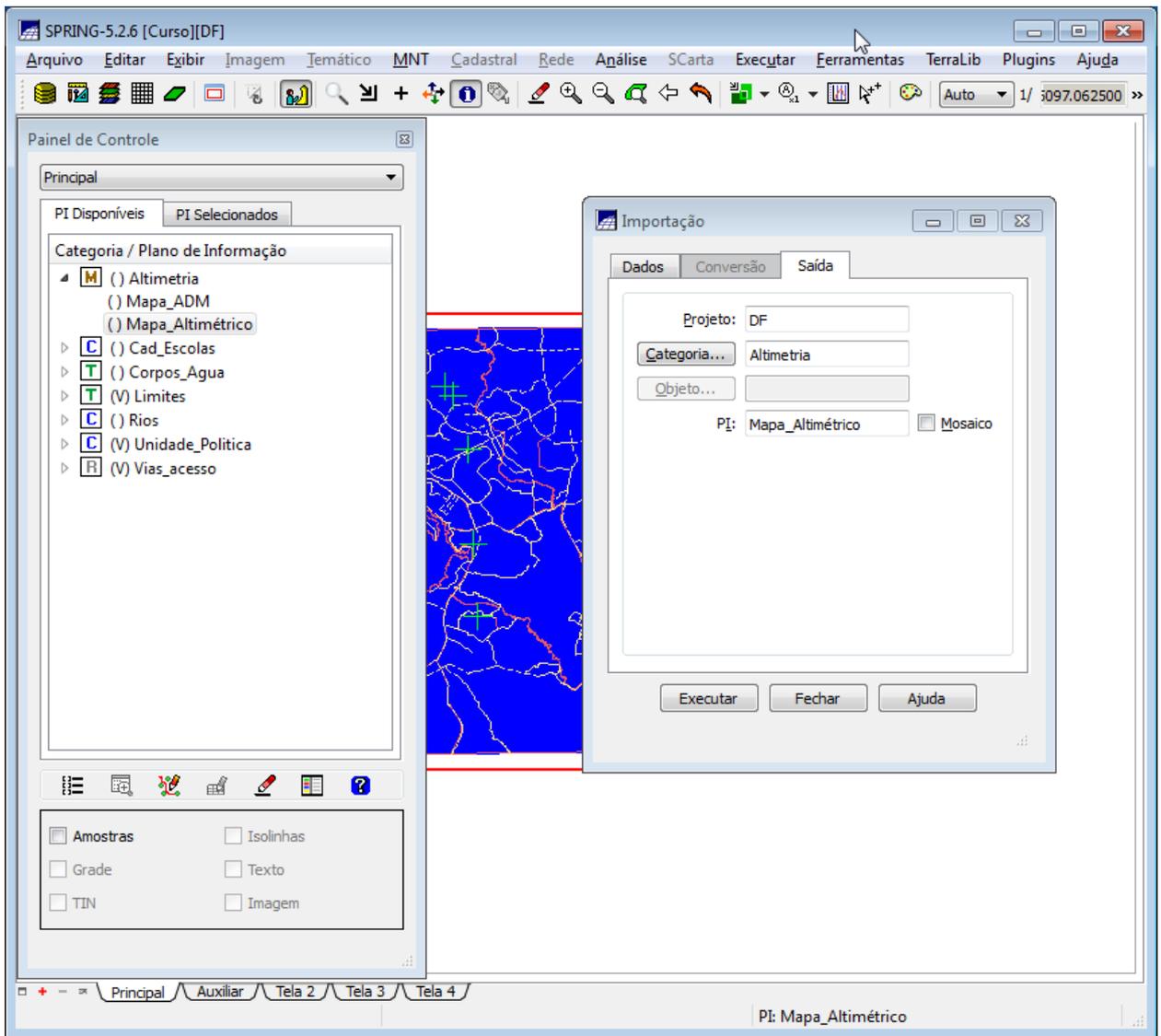


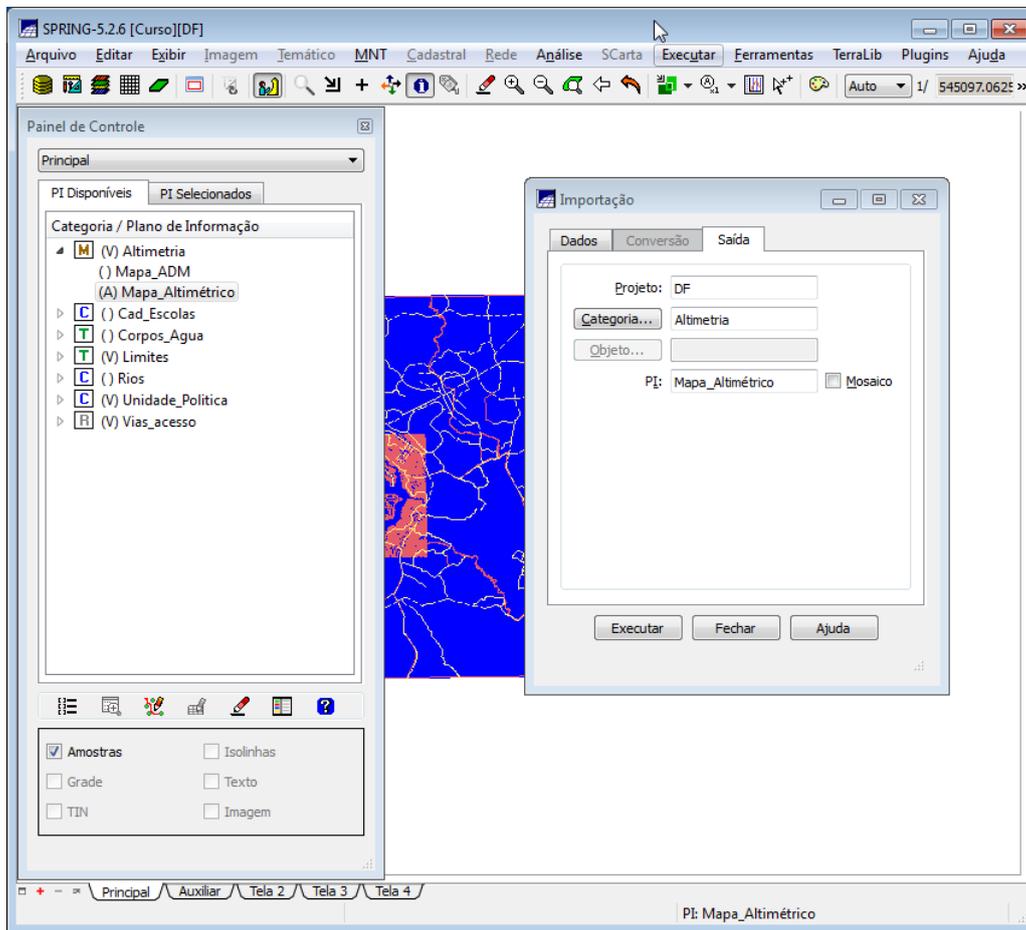


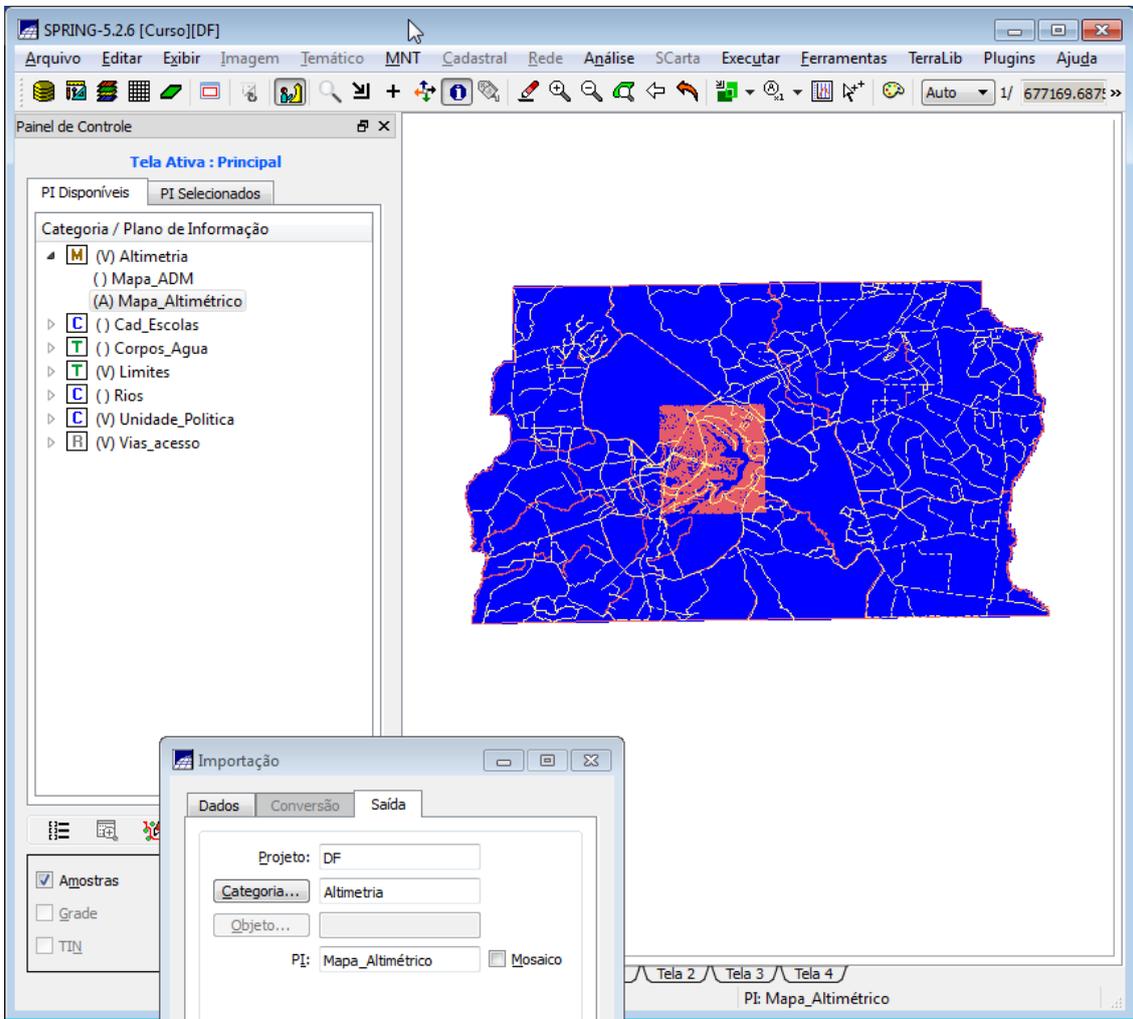


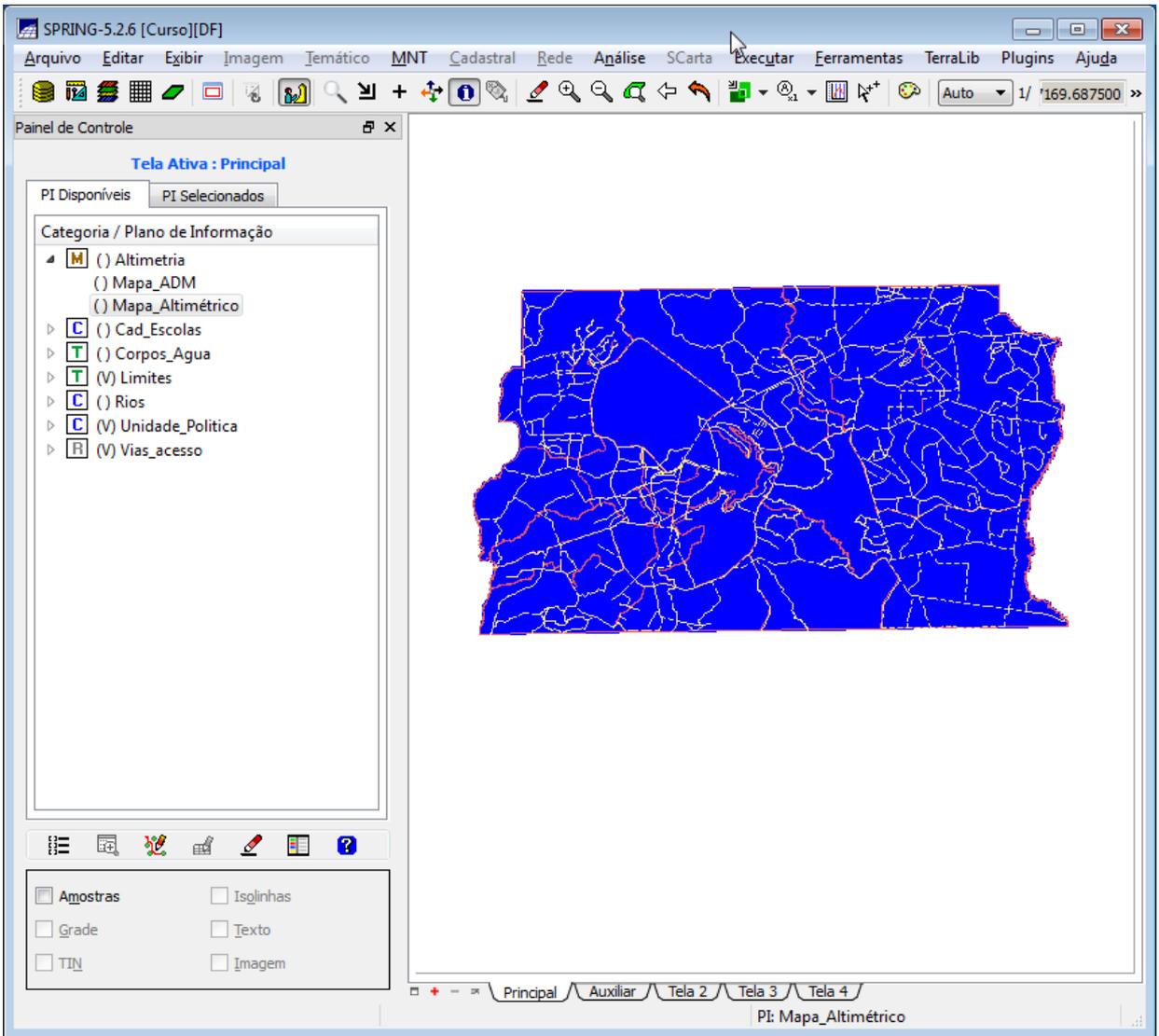


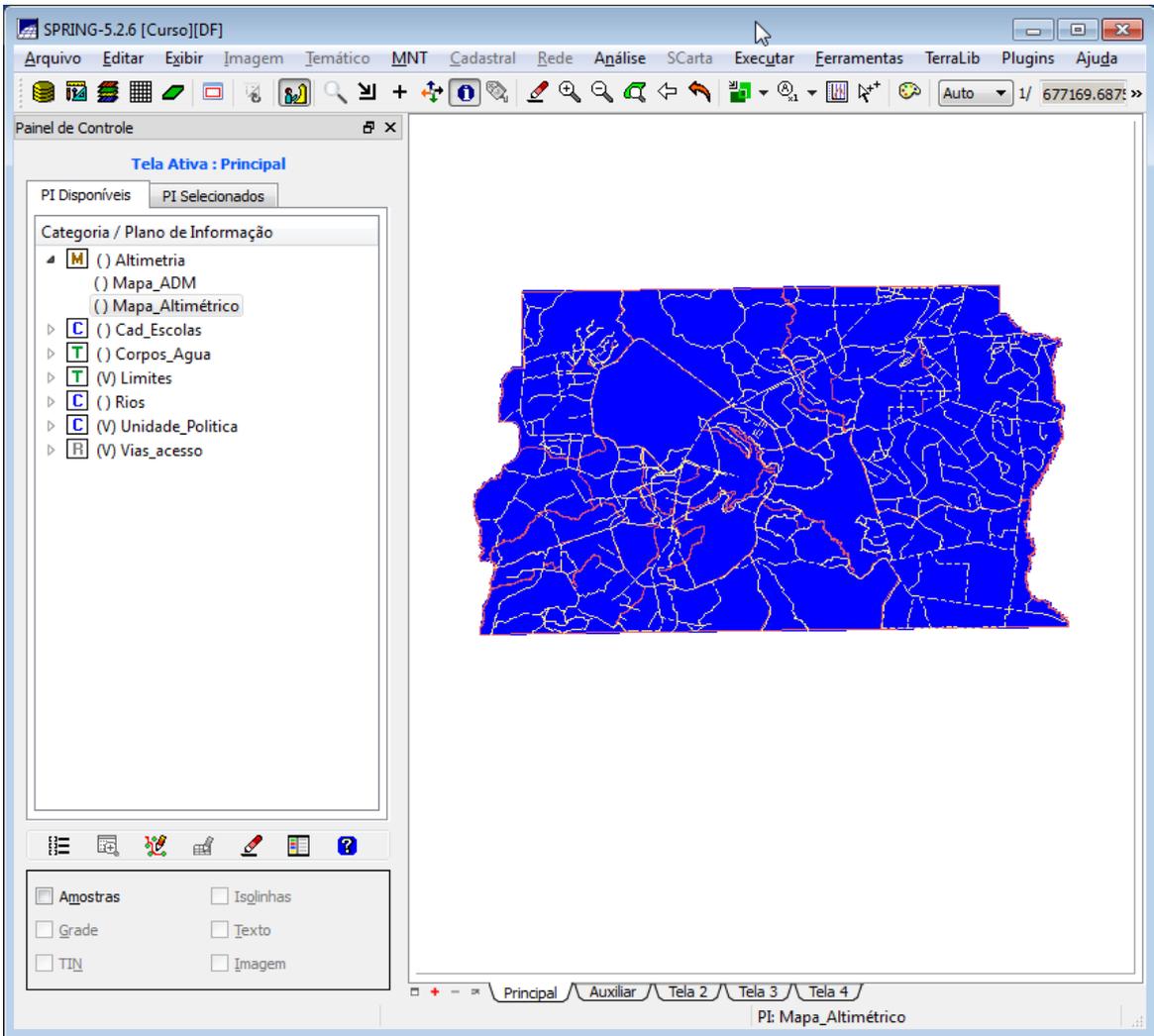


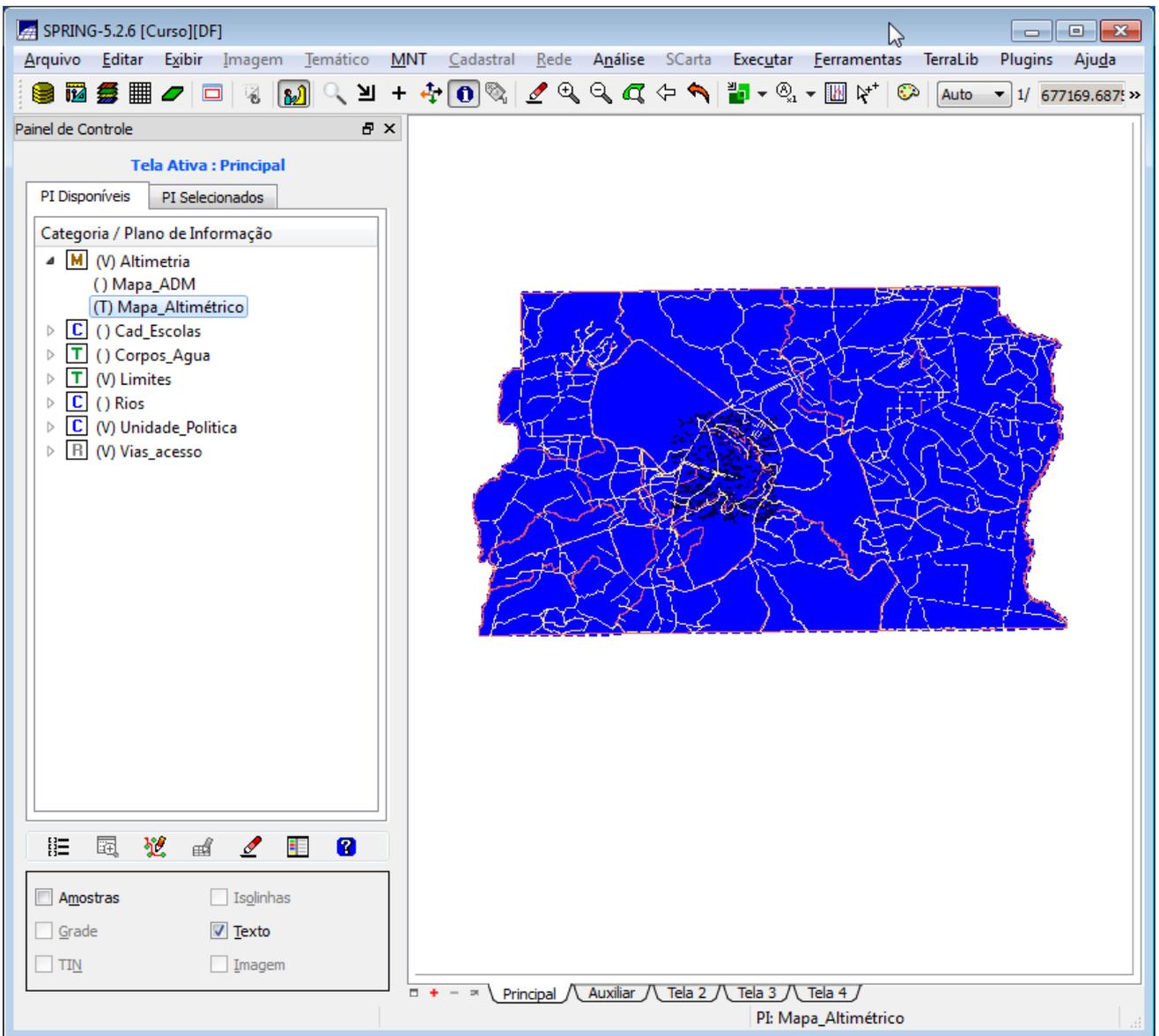


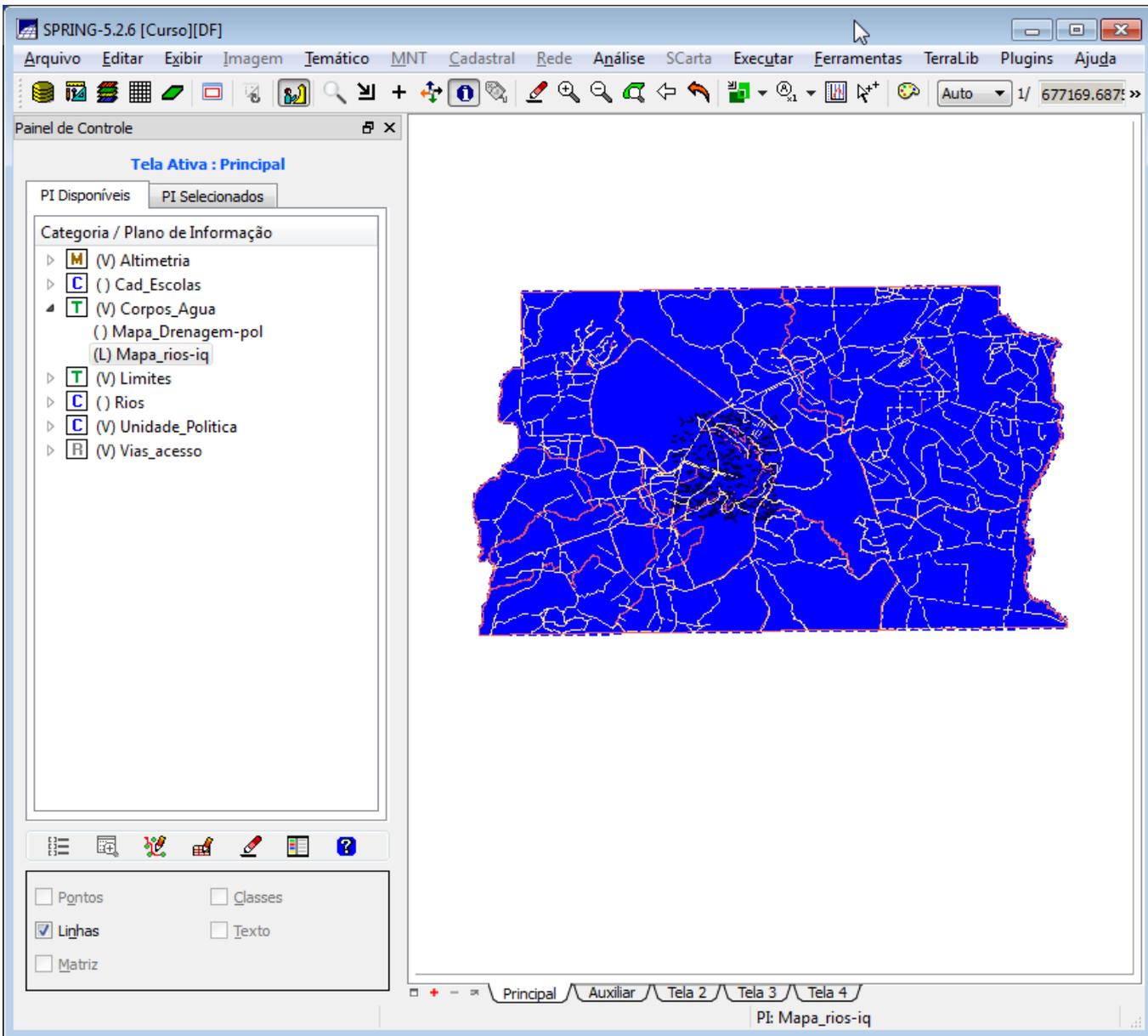


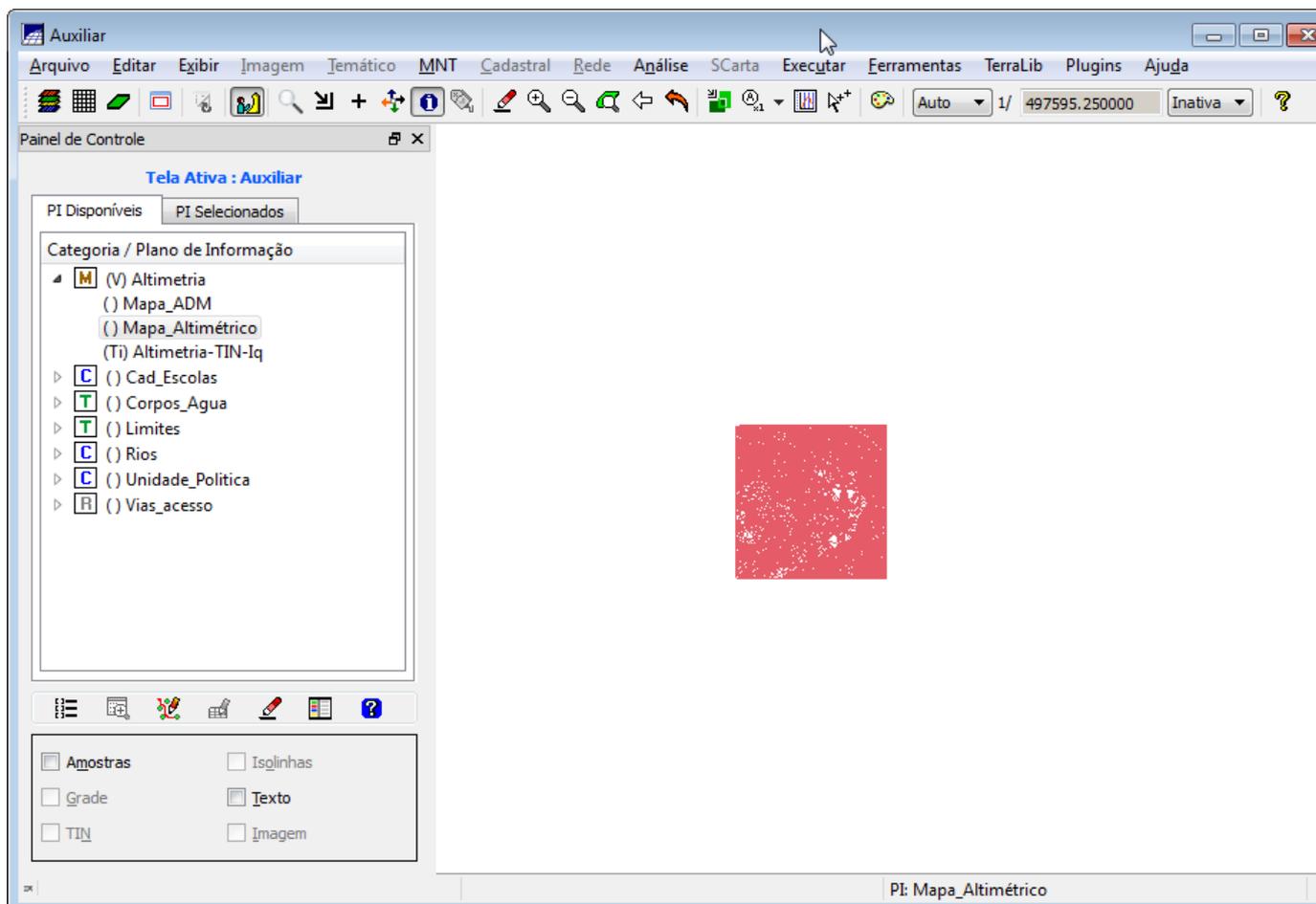
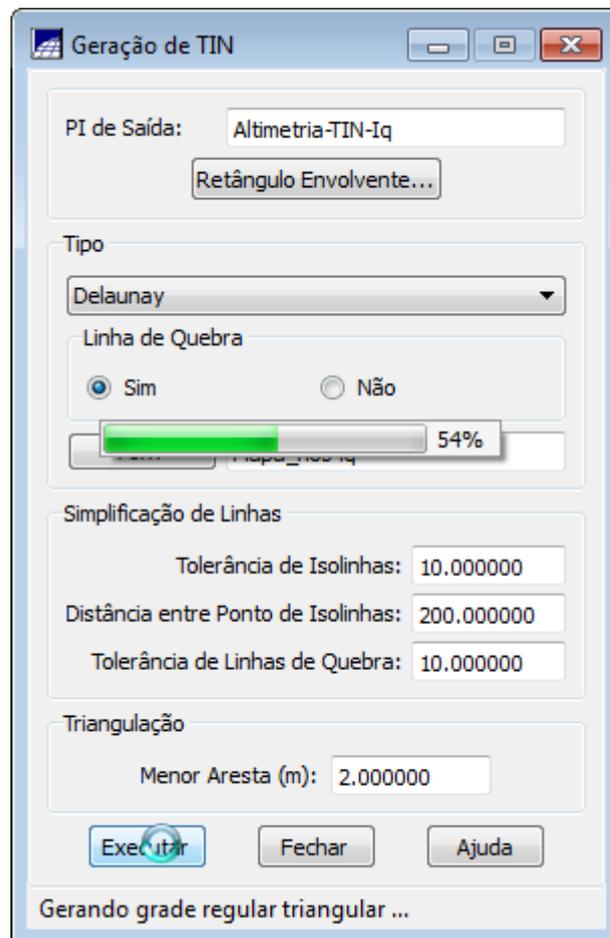


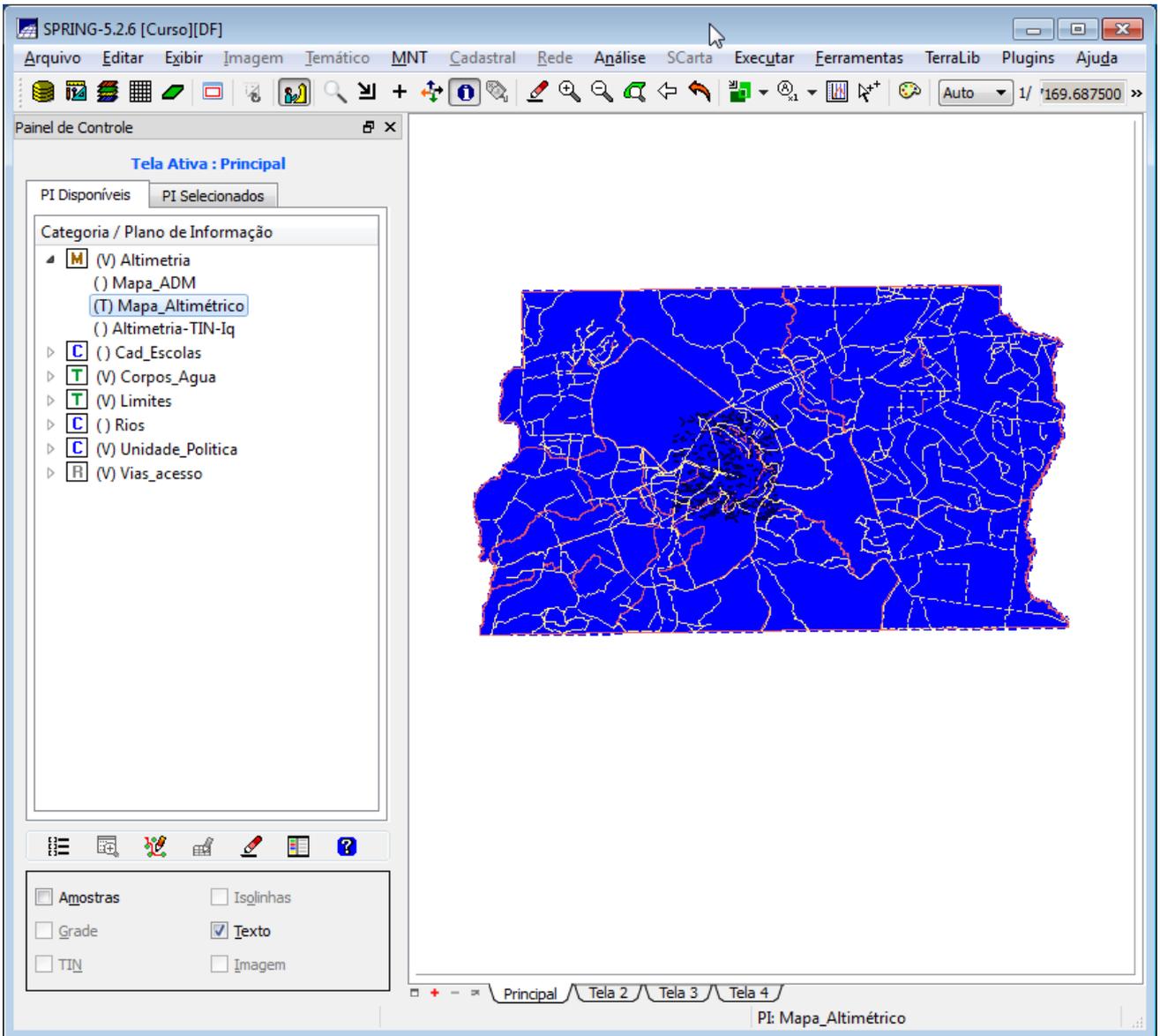


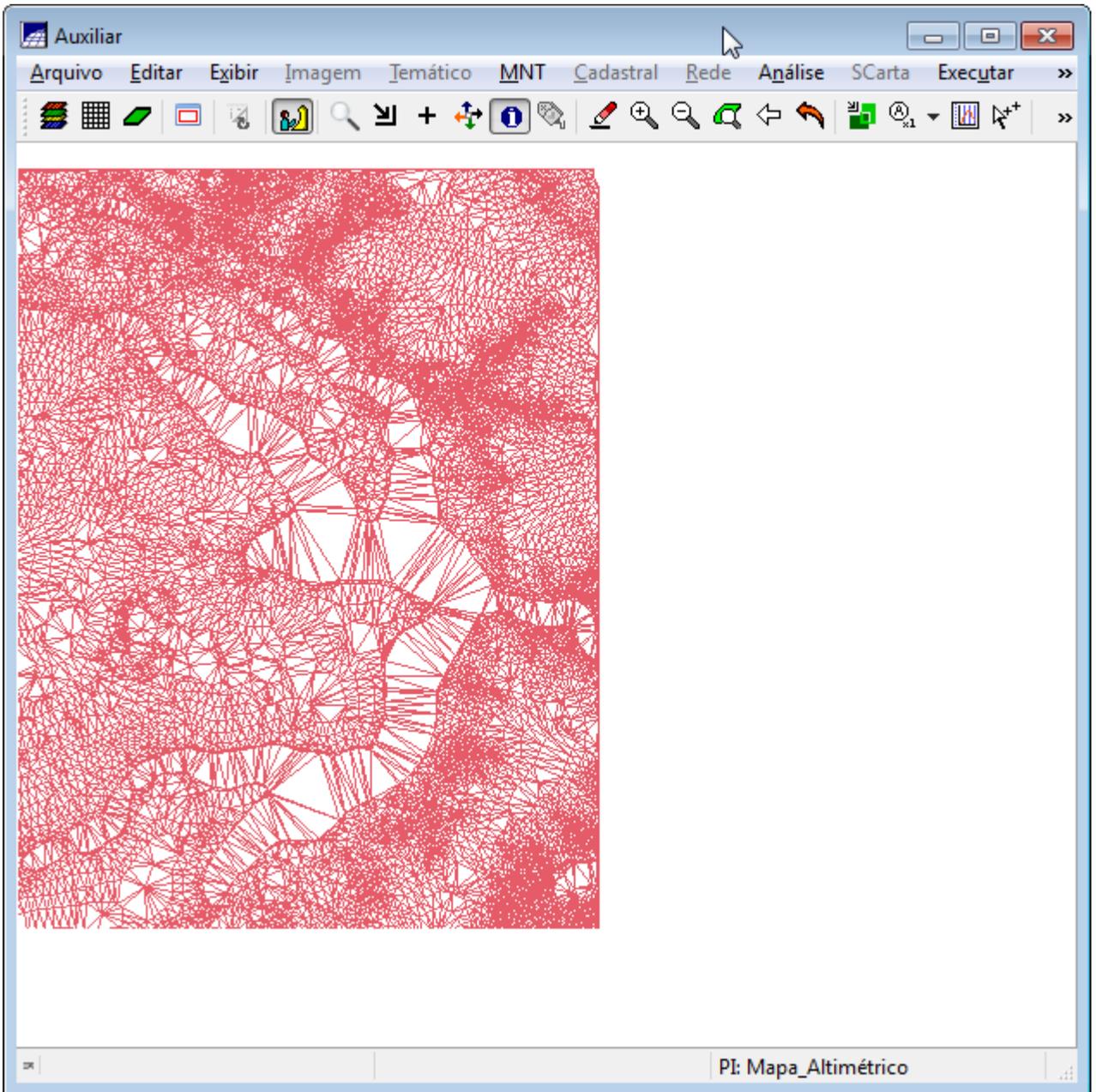








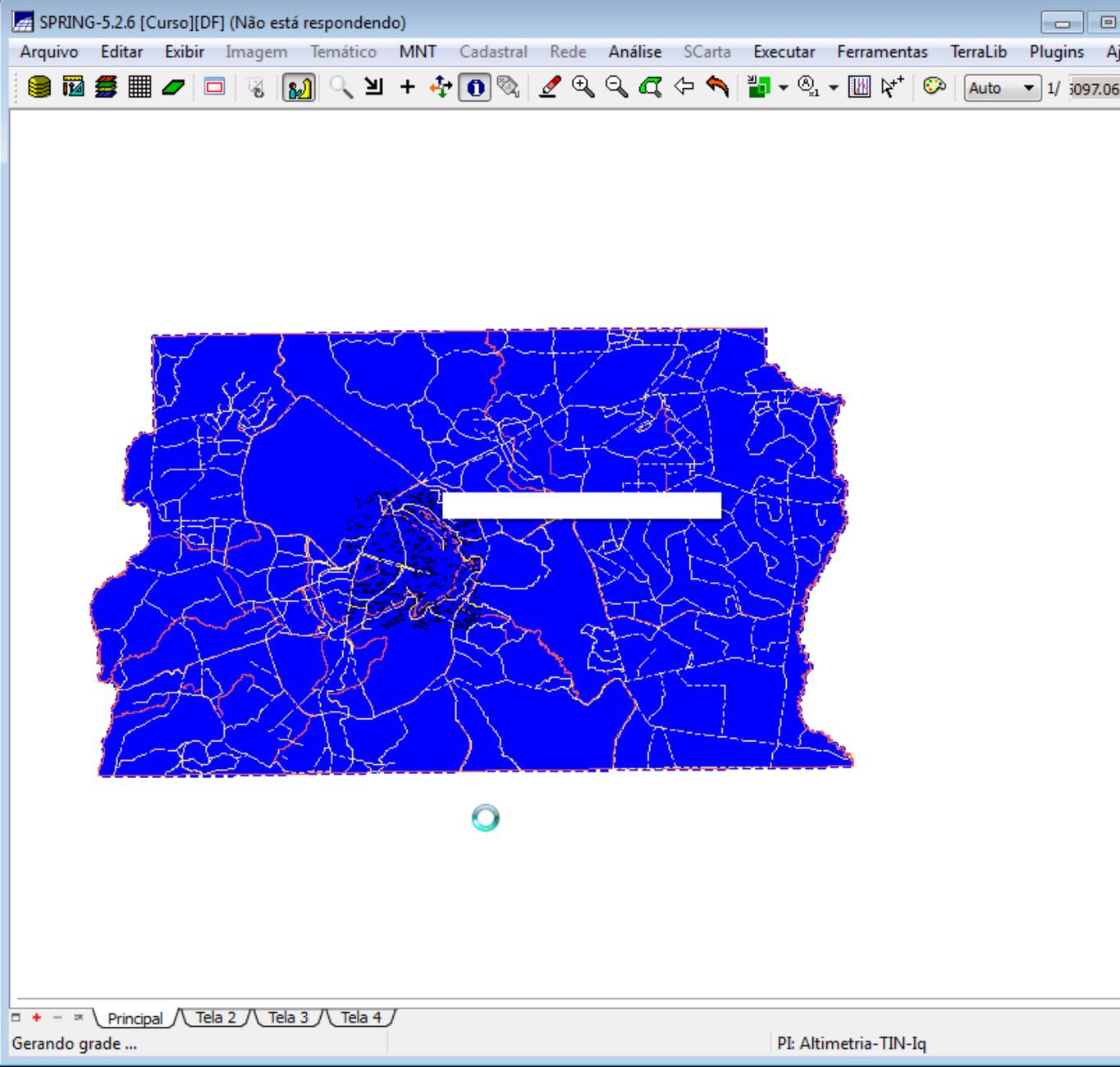




SPRING-5.2.6 [Curso][DF] (Não está respondendo)

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

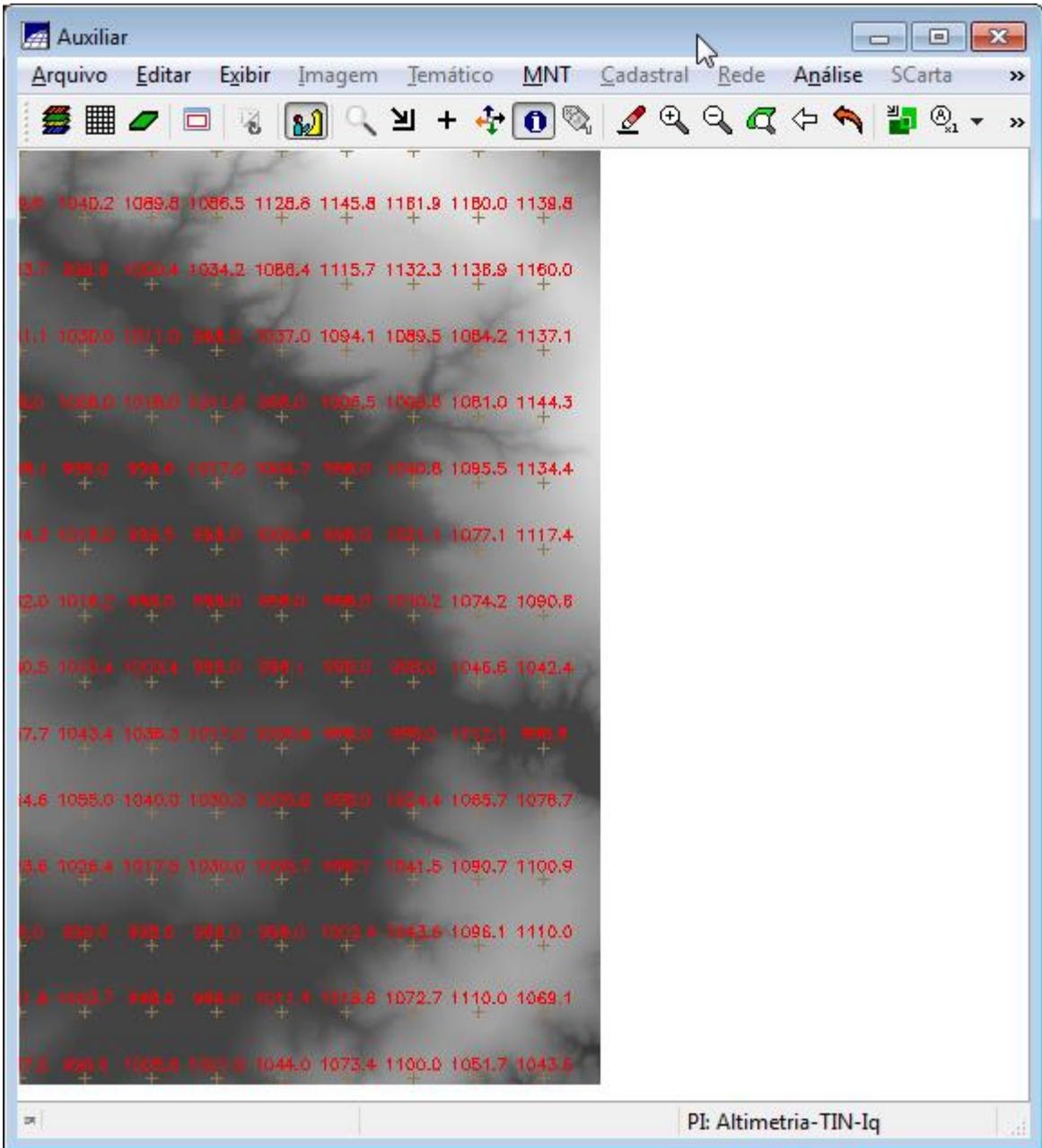
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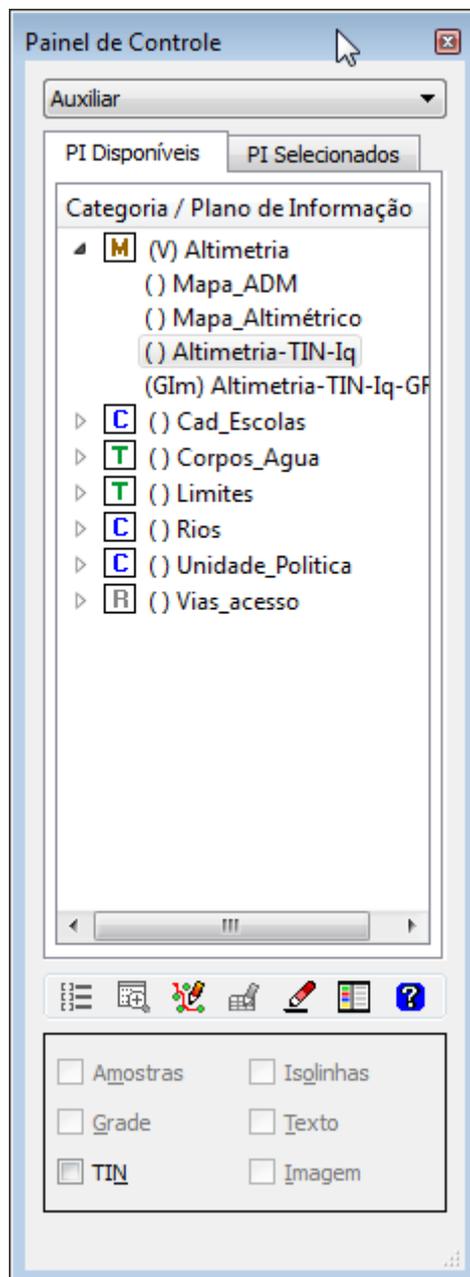


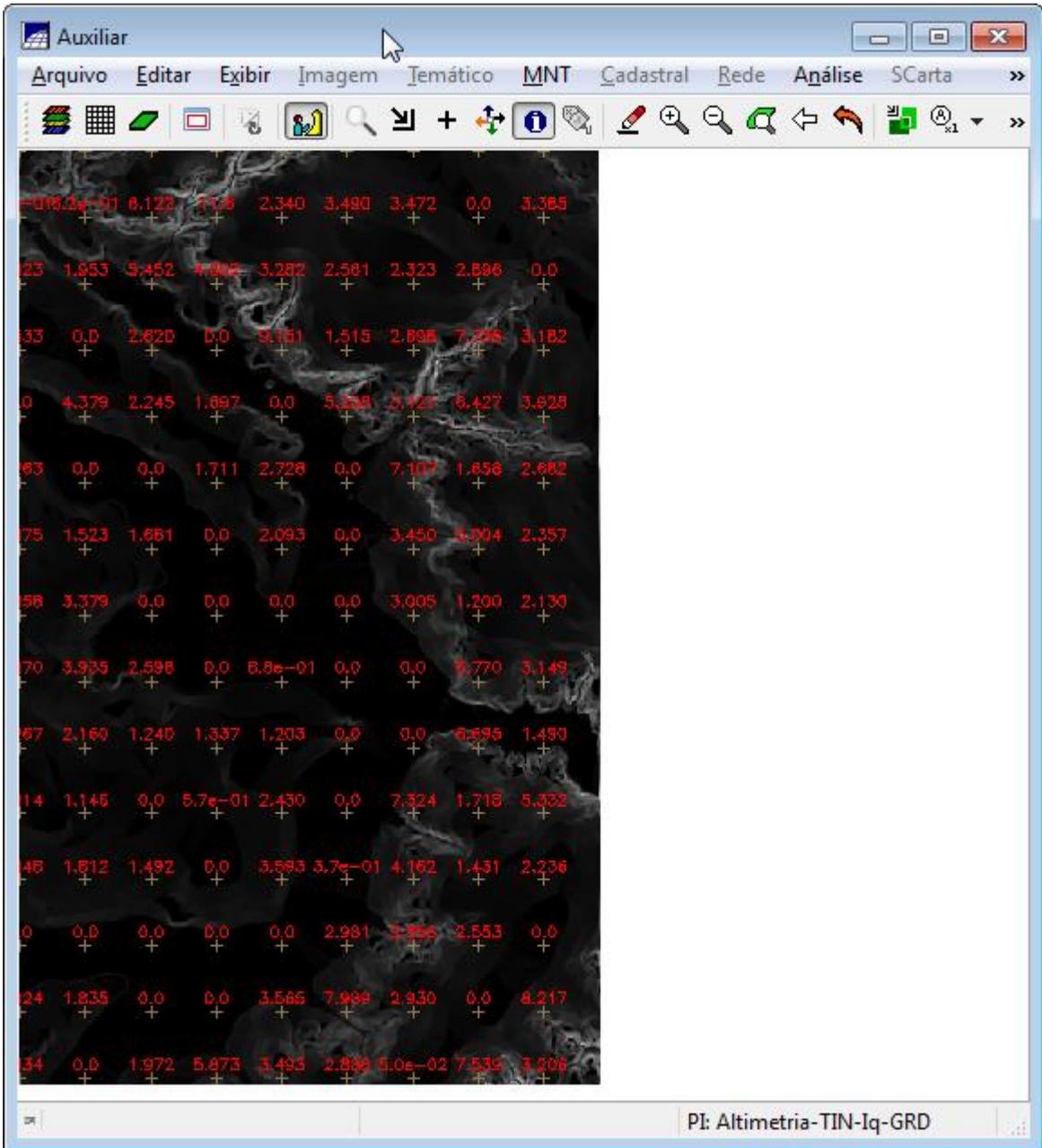
Principal Tela 2 Tela 3 Tela 4

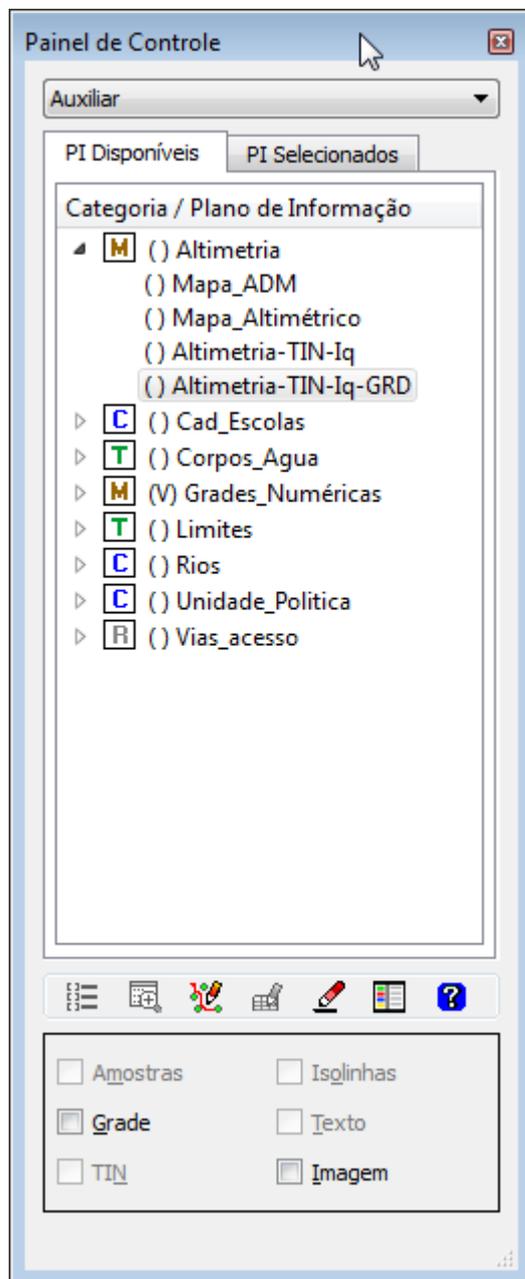
Gerando grade ...

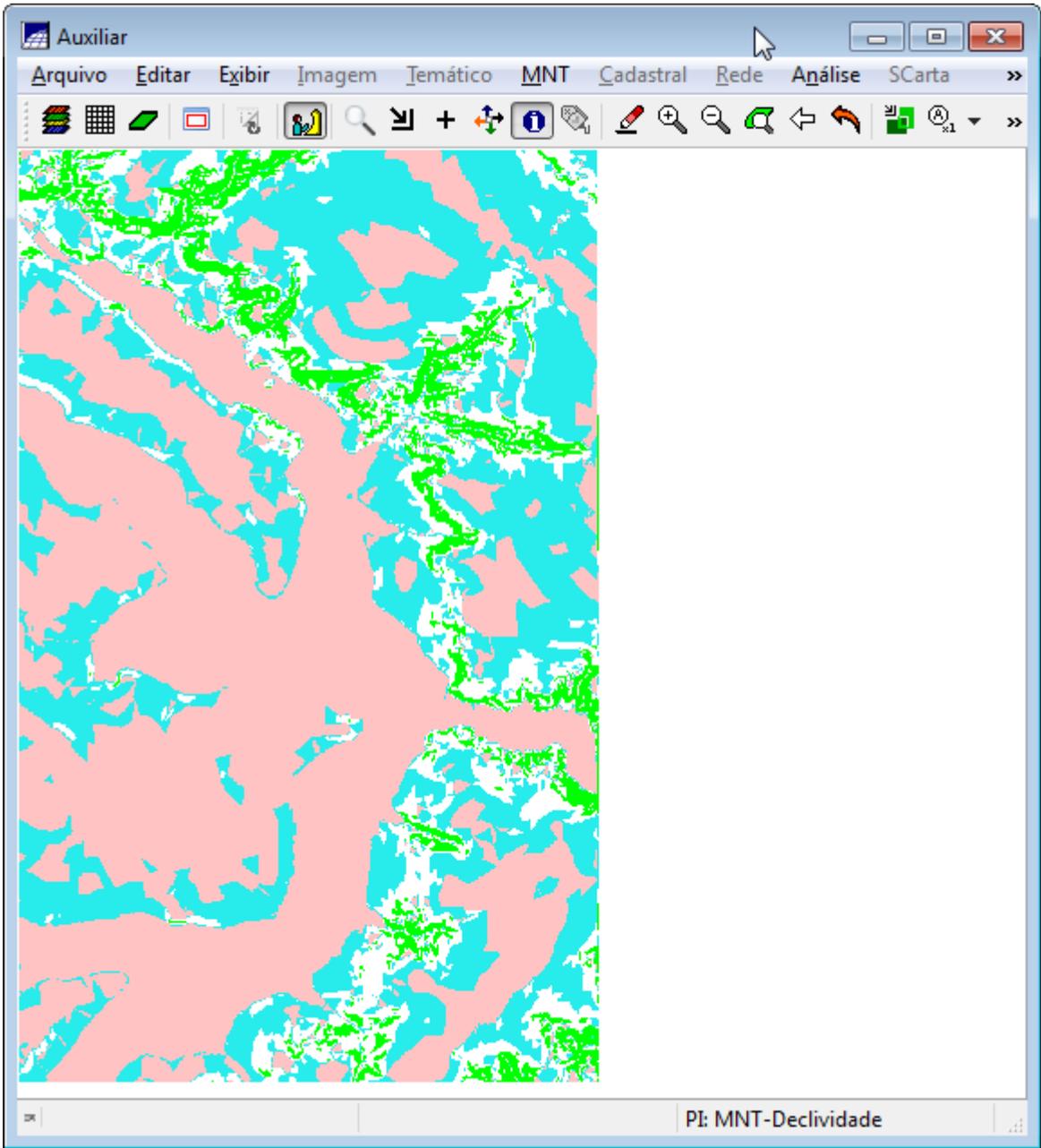
PI: Altimetria-TIN-Iq

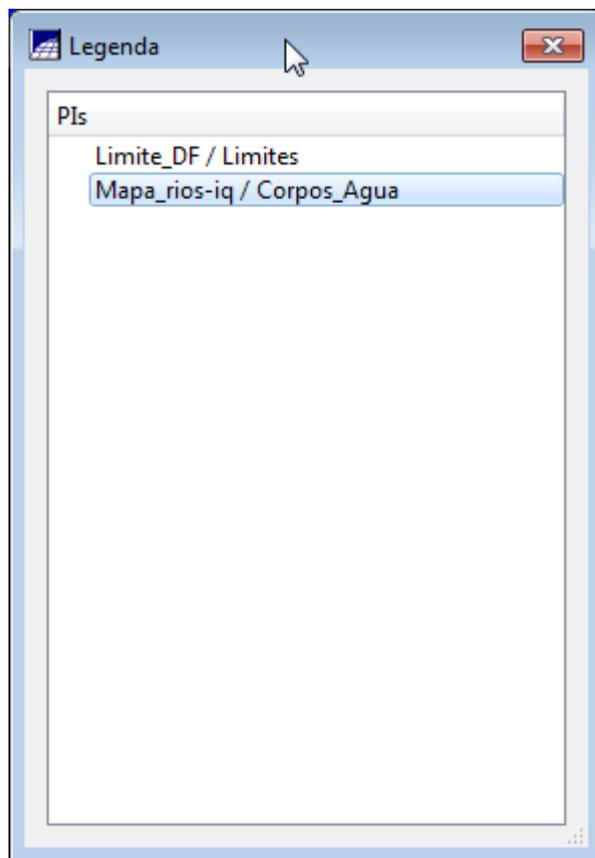


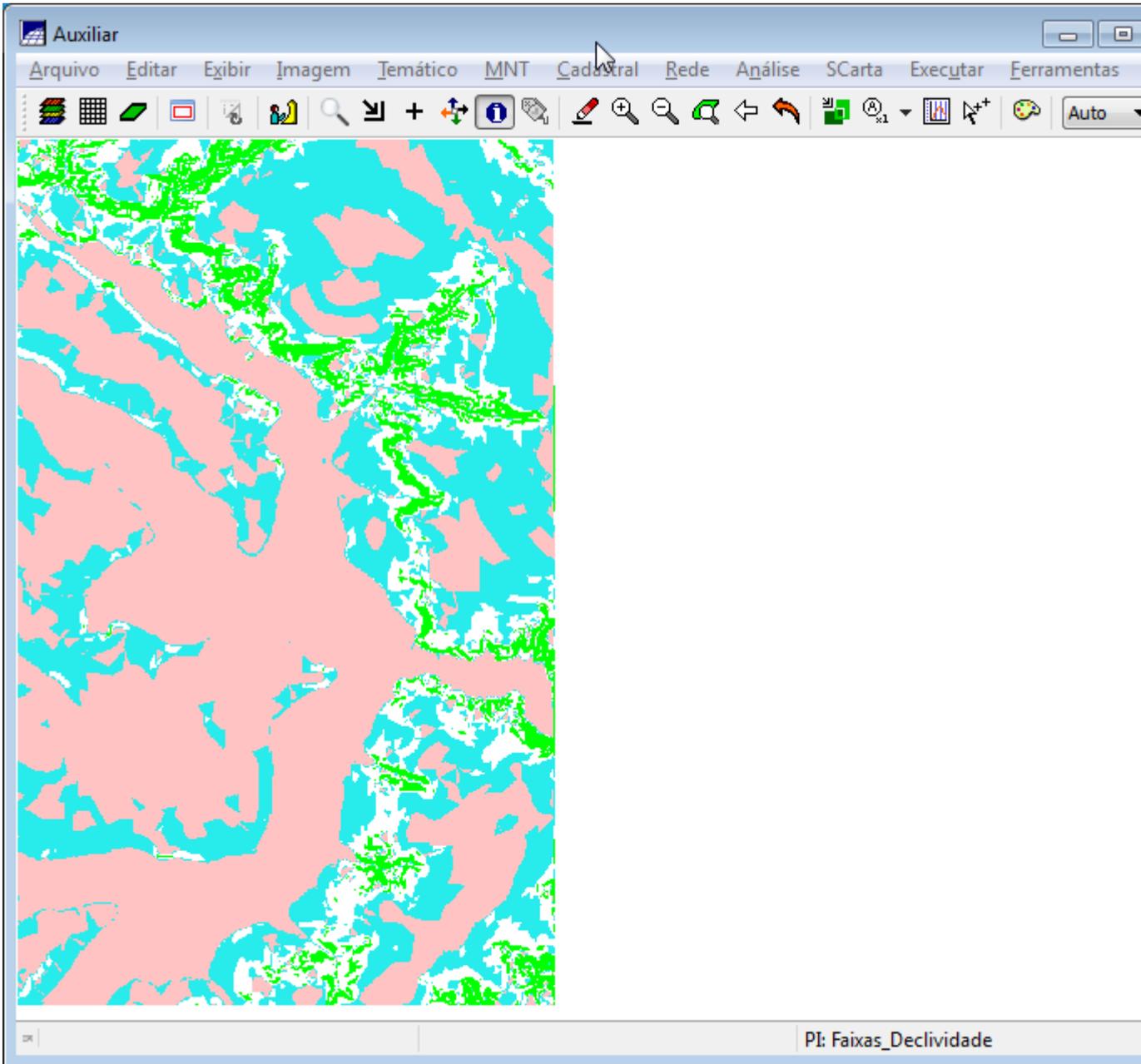


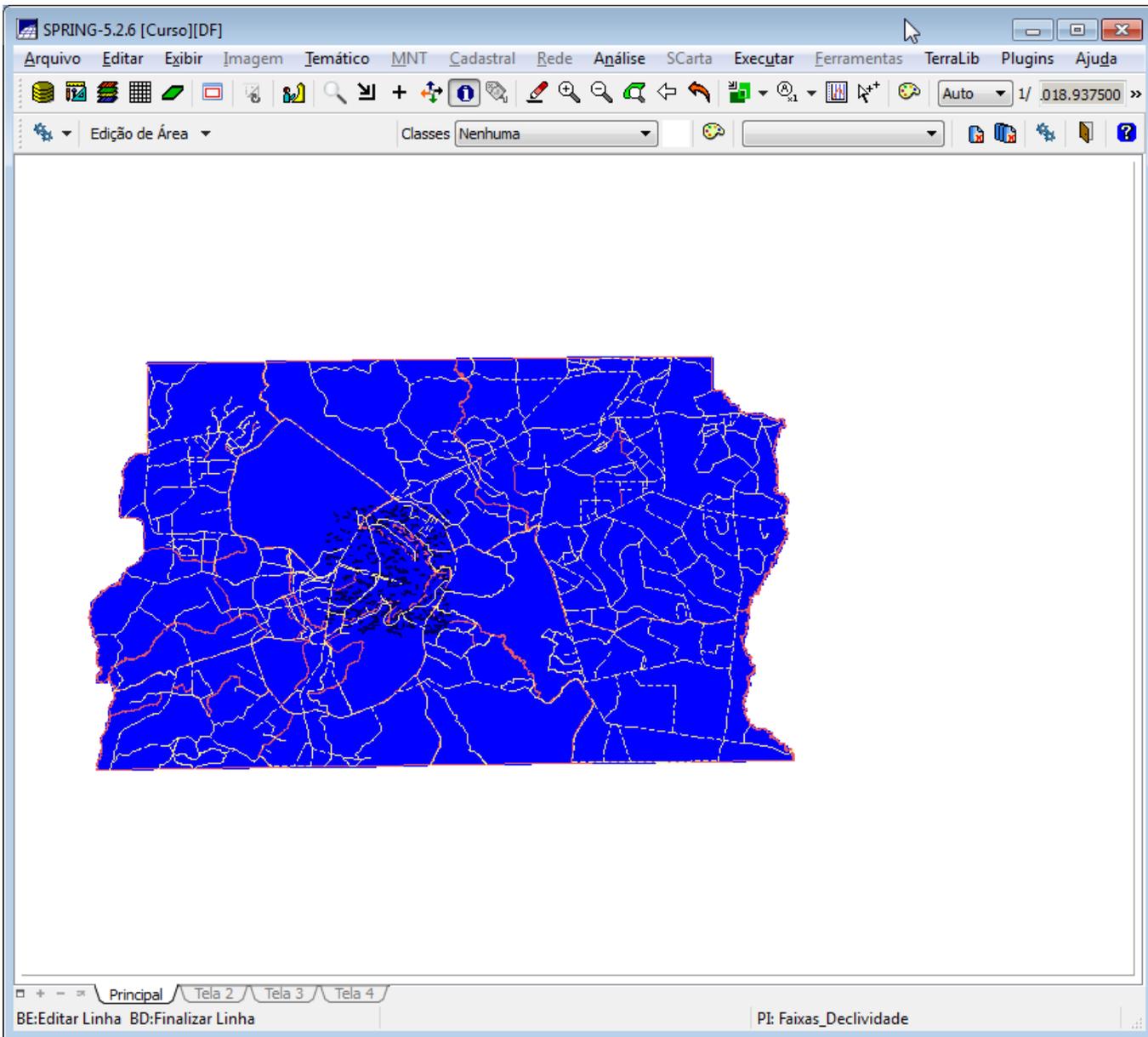


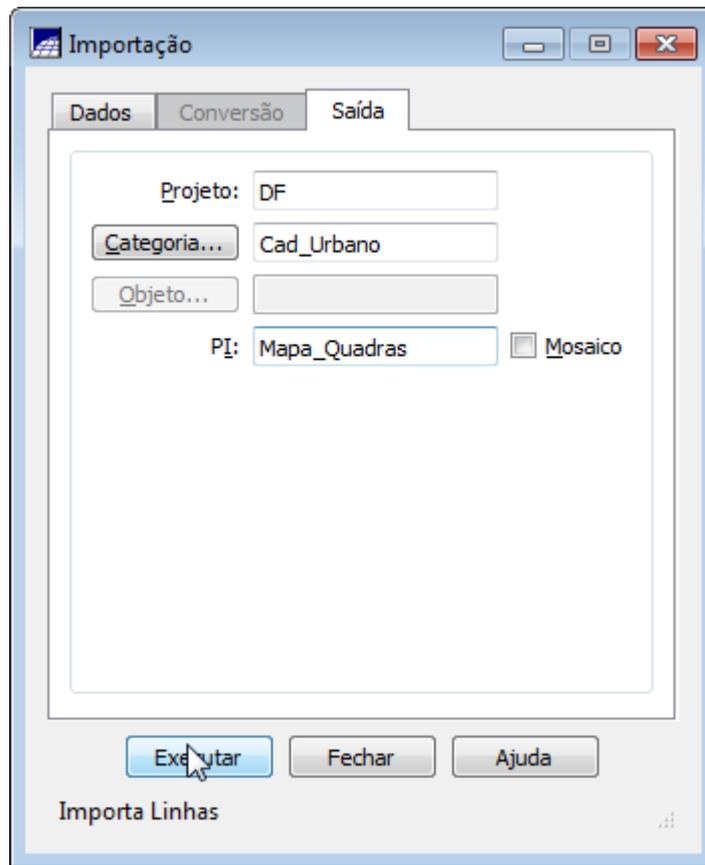


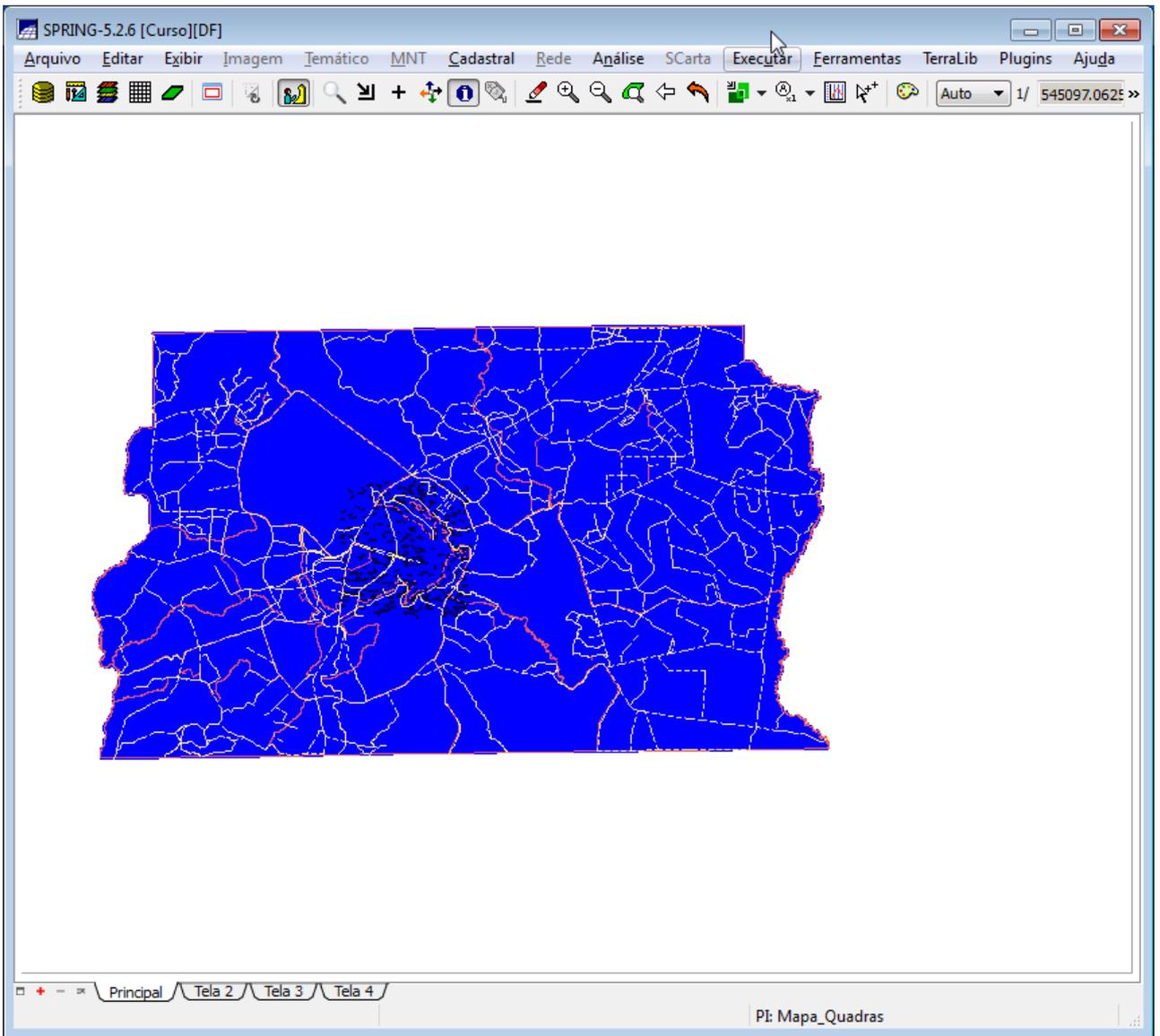


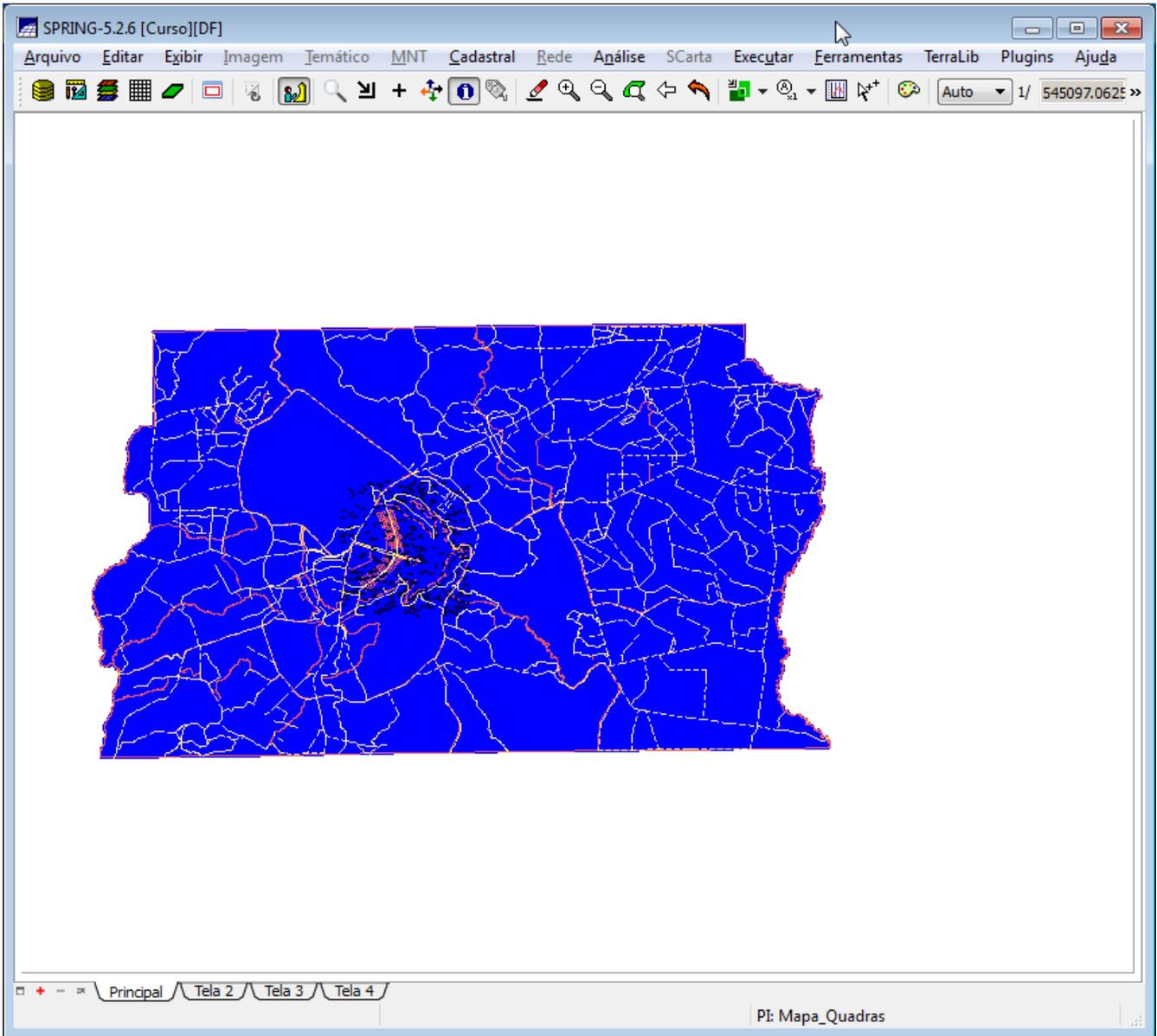


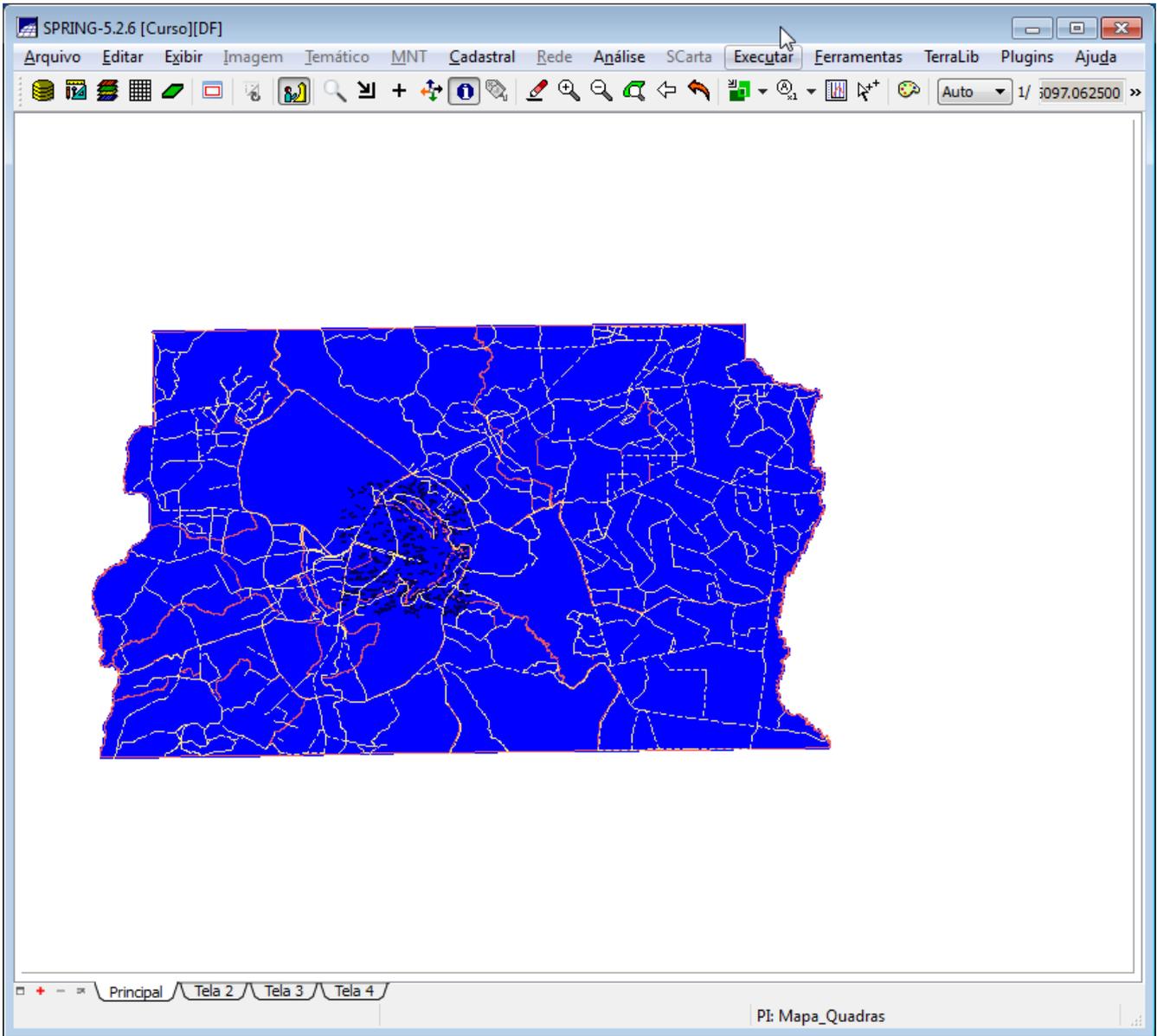


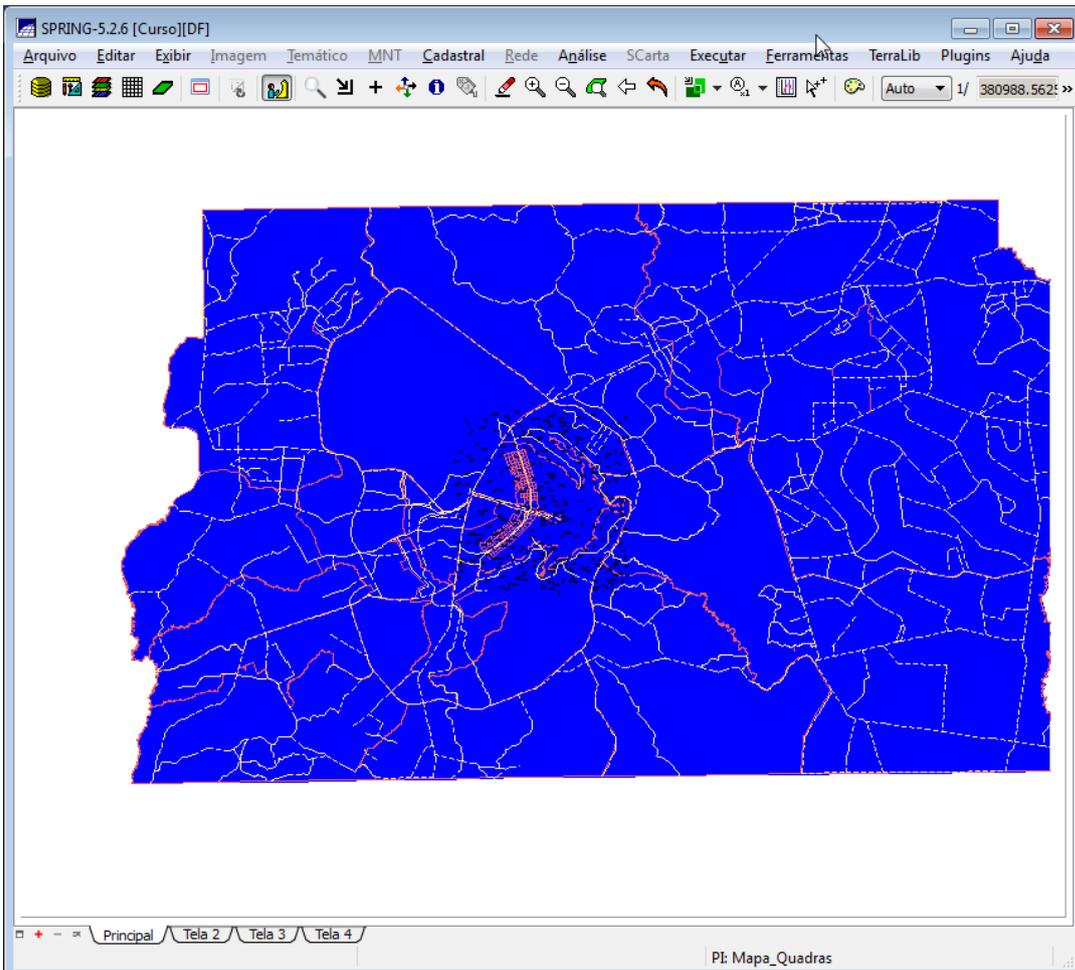
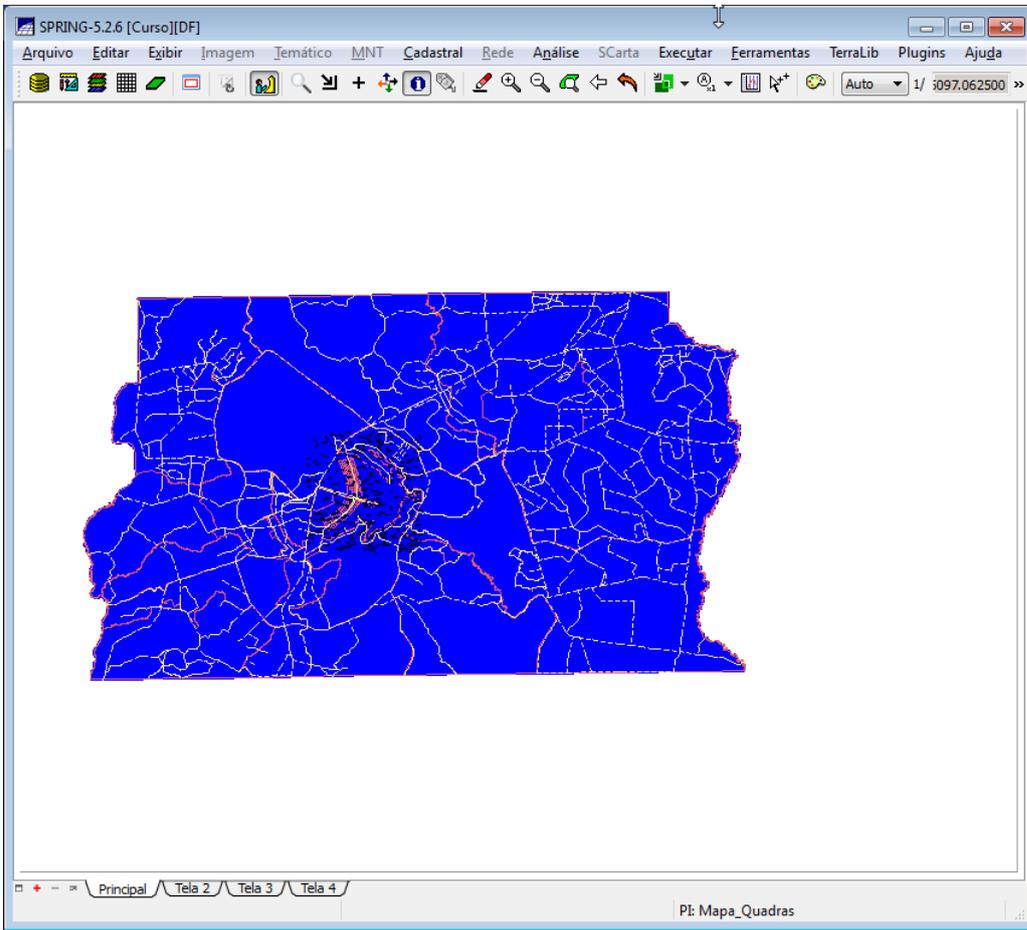


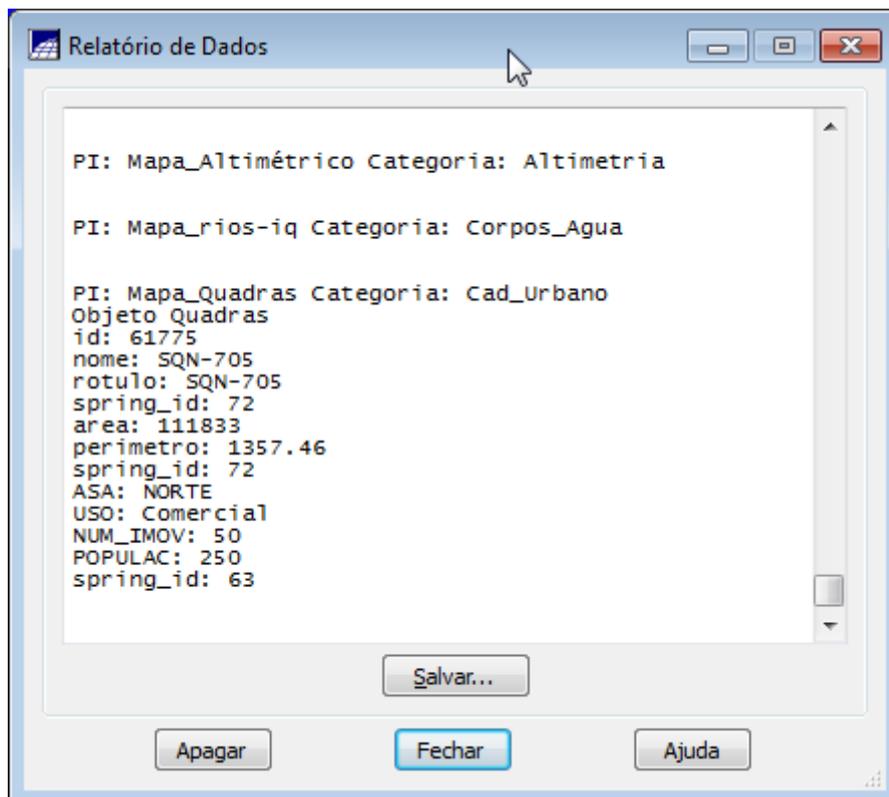


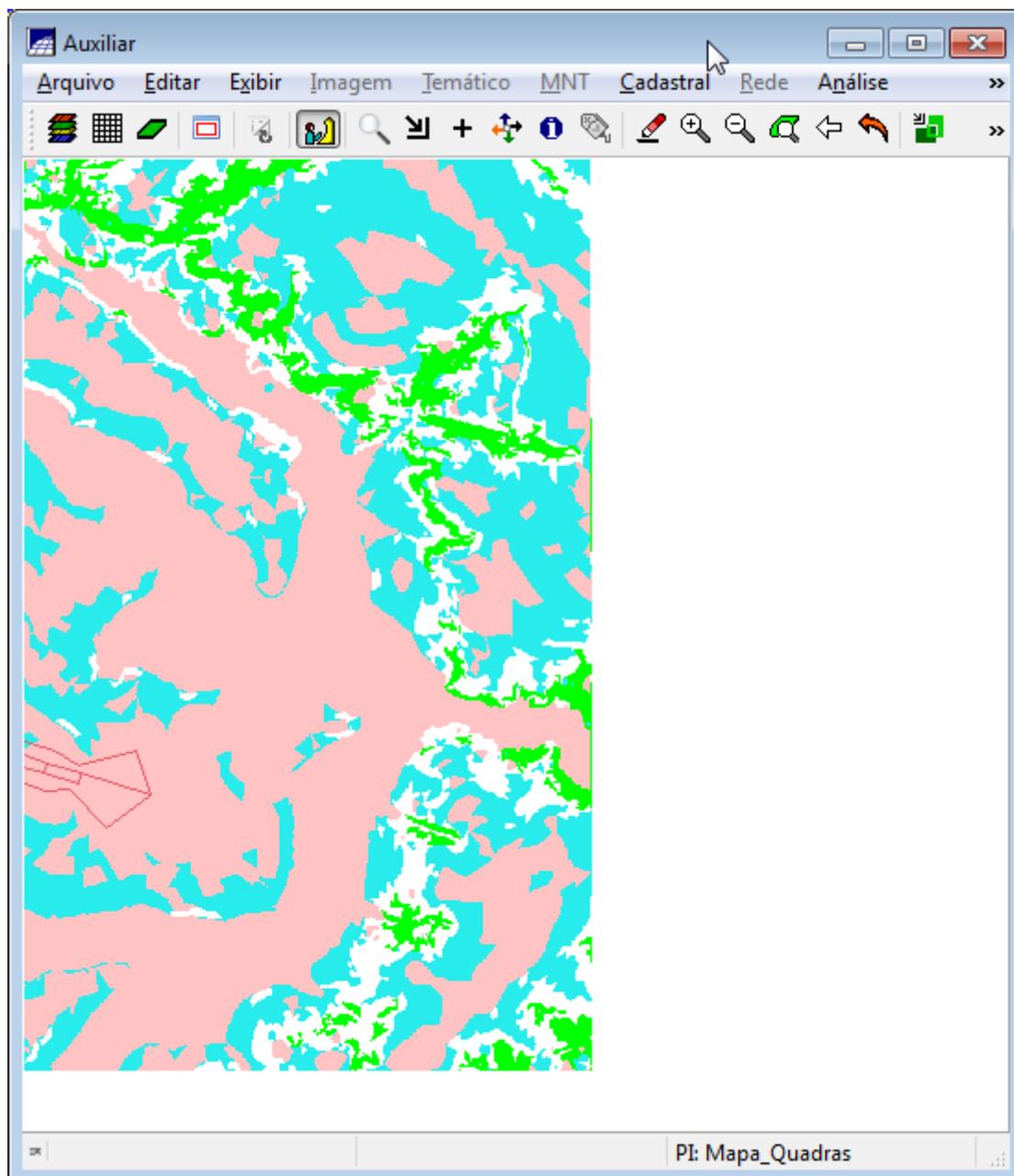


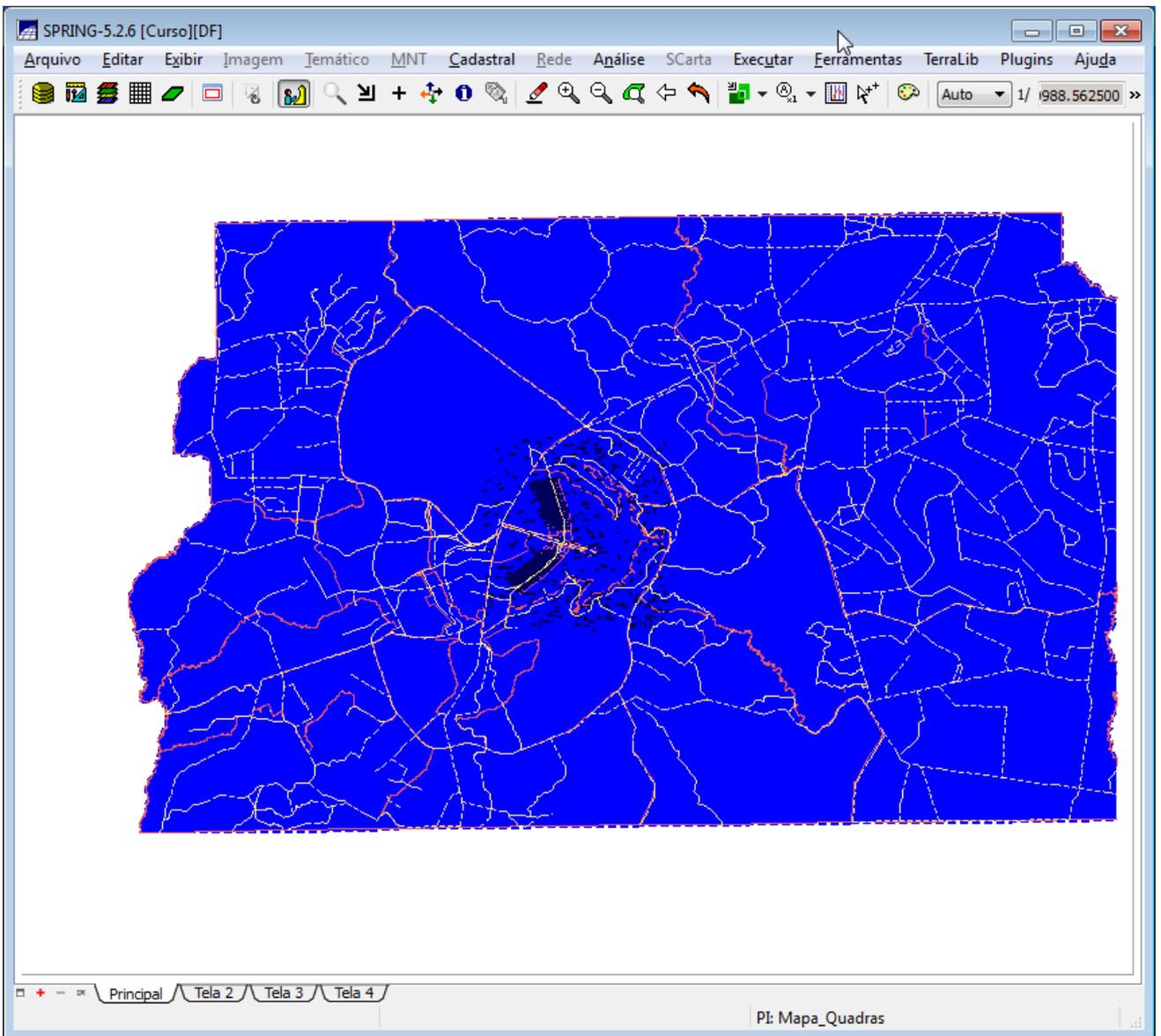












Auxiliar

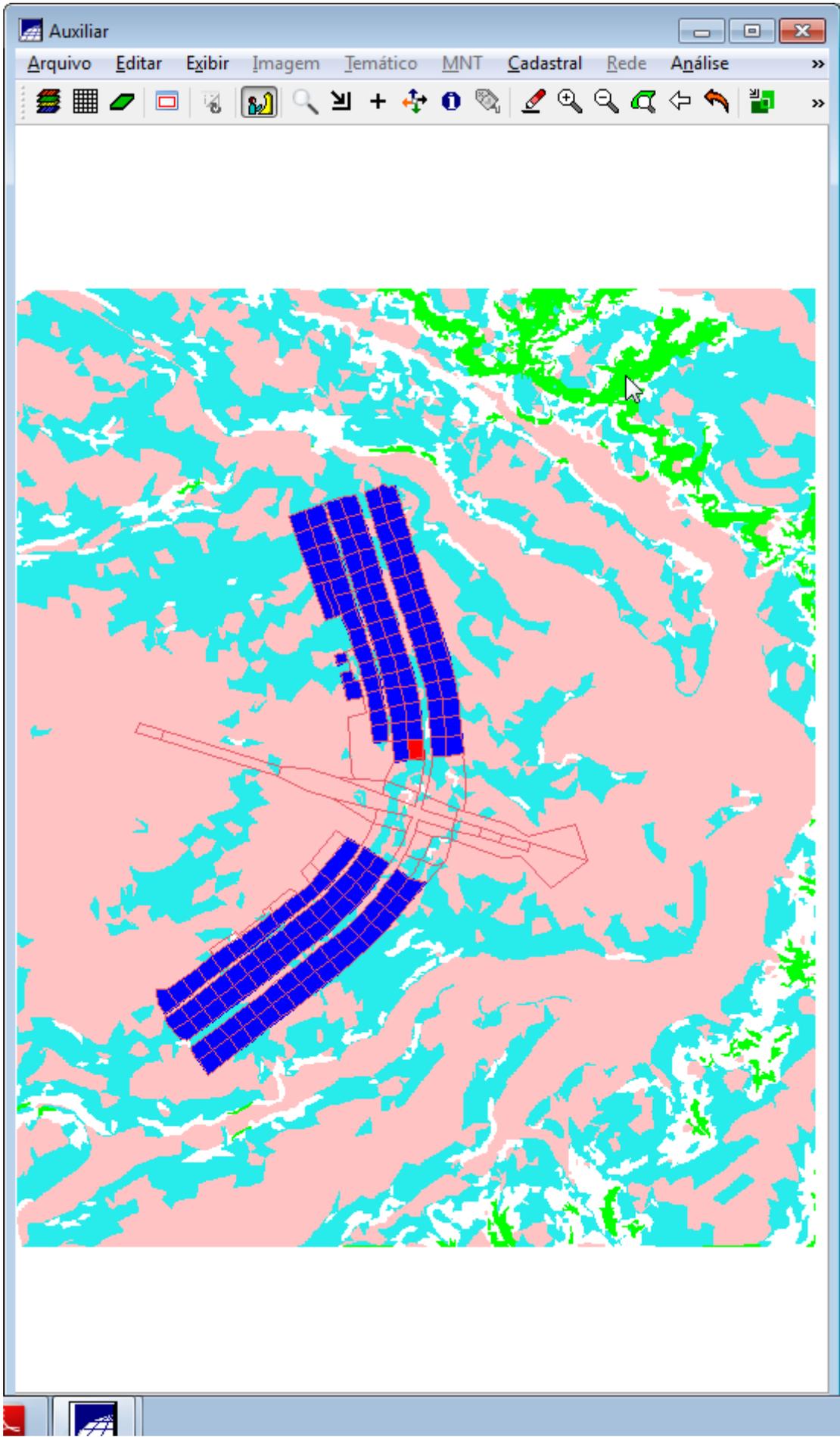
Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise

Tabela

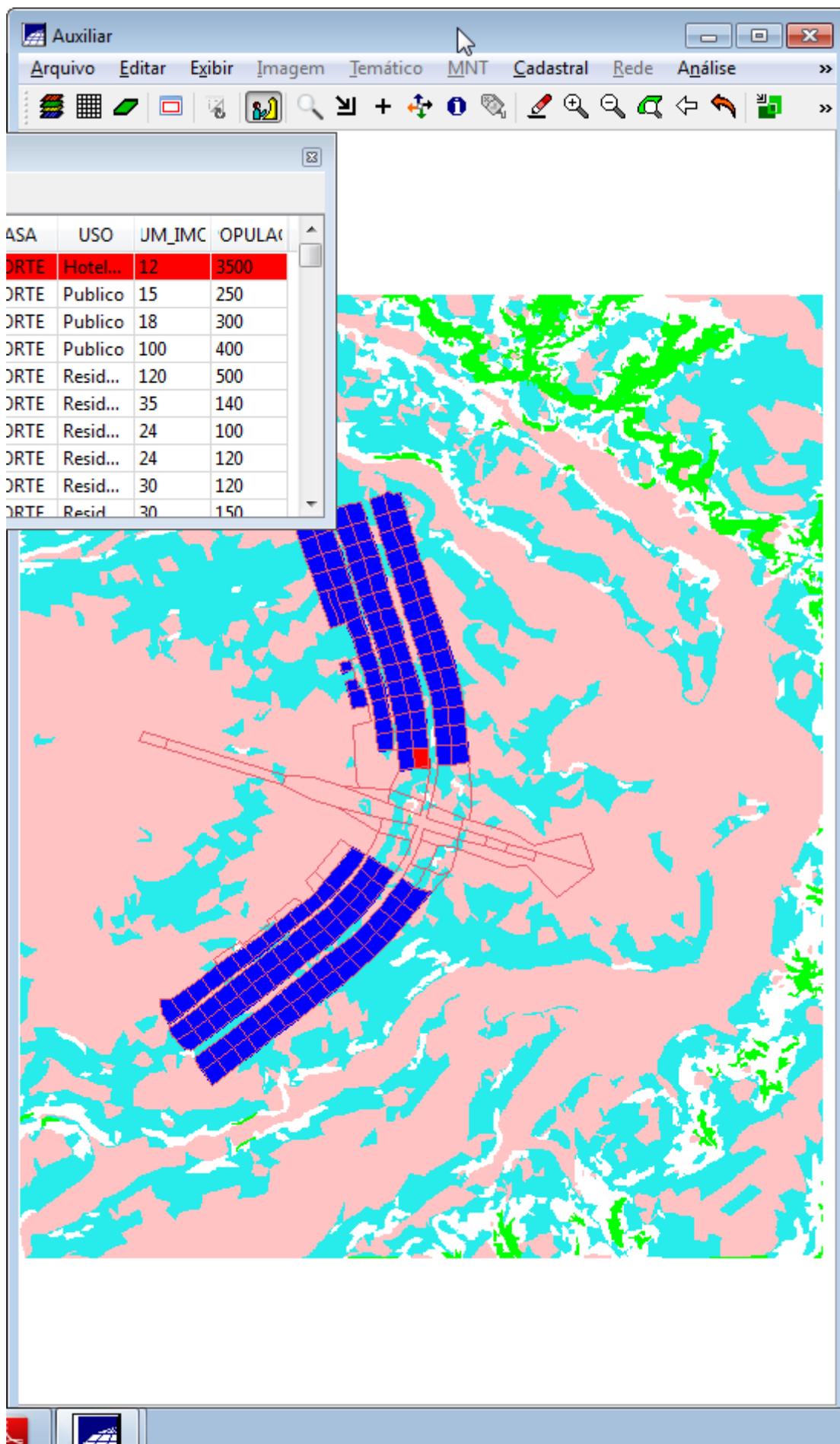
	id	nome	rotulo	area	perimetro	ASA	USO	UM_IMC	OPULAÇÃO
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400
5	61738	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

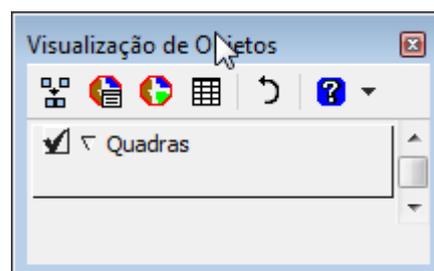
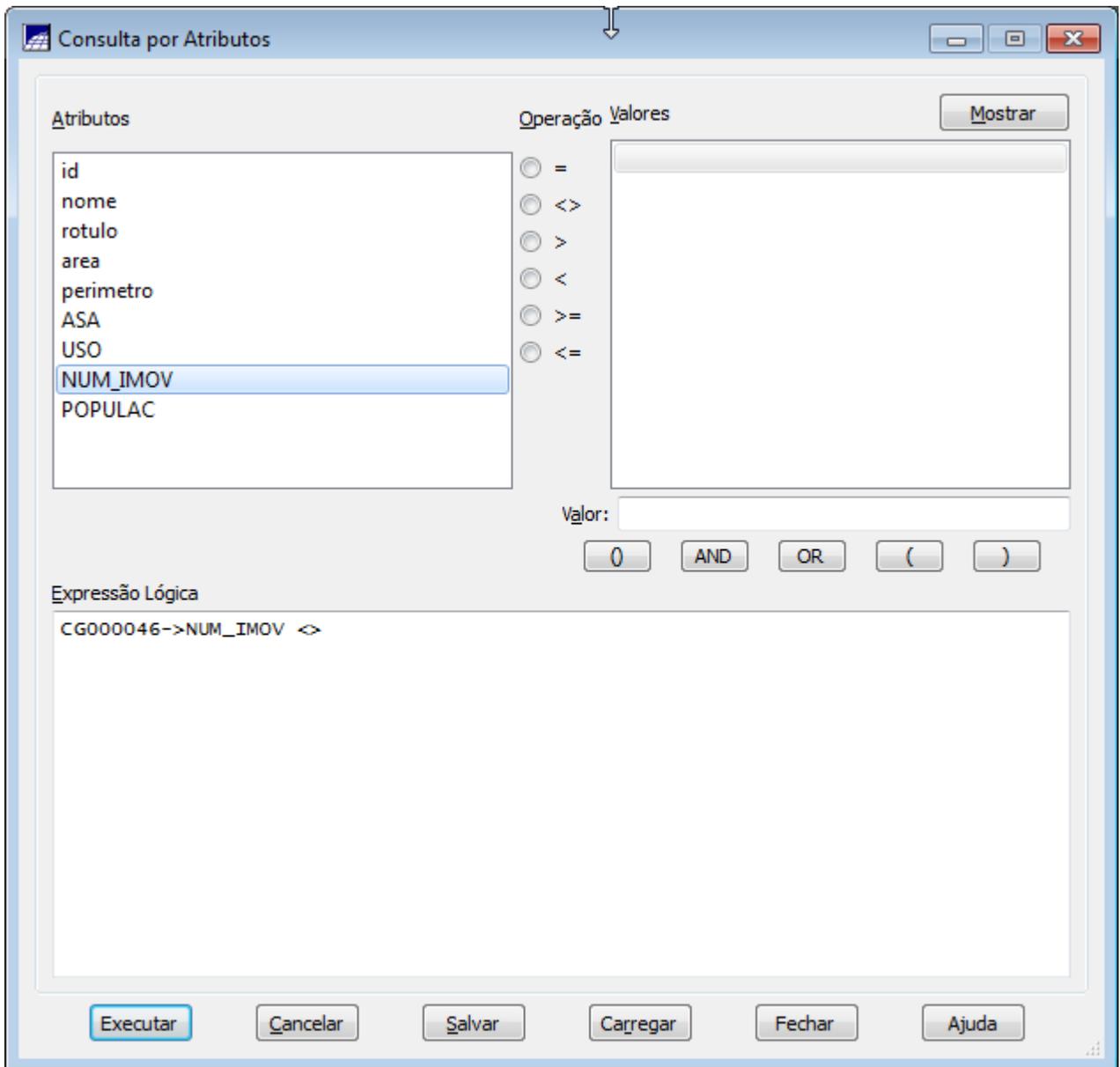
PI: Mapa_Quadras

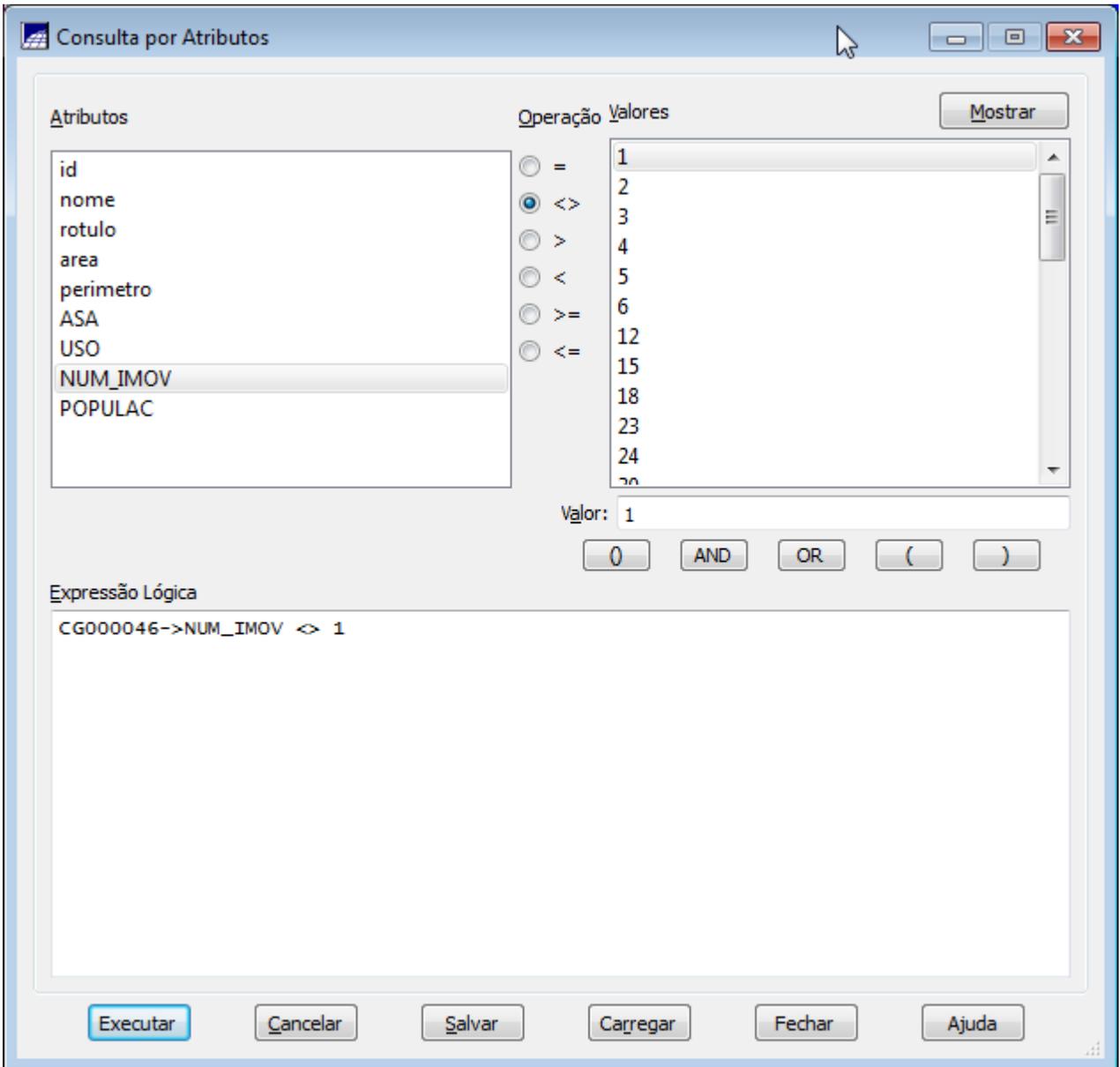
	id	nome	rotulo	area	perimetru	ASA	USO	UM_IMC	OPULAC
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400
5	61738	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
11	61744	SQN-...	SQN-...	109396	1325.76	NORTE	Resid...	30	200
12	61745	SQN-...	SQN-...	103022	1287.3	NORTE	Come...	15	300
13	61746	SQN-...	SQN-...	105360	1300.16	NORTE	Come...	18	400
14	61747	SQN-...	SQN-...	116923	1372.41	NORTE	Resid...	30	180
15	61748	SQN-...	SQN-...	128360	1439.54	NORTE	Lazer	5	100
16	61728	SQN-...	SQN-...	111250	1361.4	NORTE	Come...	120	5400
17	61727	SQN-...	SQN-...	104525	1302.31	NORTE	Resid...	100	450
18	61726	SQN-...	SQN-...	112735	1351.43	NORTE	Resid...	103	530
19	61725	SQN-...	SQN-...	108720	1321.13	NORTE	Hotel...	6	500
20	61724	SQN-...	SQN-...	114243	1358.9	NORTE	Hospi...	1	600
21	61722	SQN-...	SQN-...	112003	1343.5	NORTE	Lazer	1	80
22	61723	SQN-...	SQN-...	115648	1366.45	NORTE	Resid...	100	450
23	61721	SQN-...	SQN-...	106289	1305.46	NORTE	Resid...	105	505
24	61720	SQN-...	SQN-...	118313	1378.83	NORTE	Resid...	135	638
25	61719	SQN-...	SQN-...	115086	1352.47	NORTE	Come...	23	230
26	61718	SQN-...	SQN-...	107016	1306.56	NORTE	Resid...	102	400
27	61717	SQN-...	SQN-...	108839	1319.68	NORTE	Resid...	105	450
28	61716	SQN-...	SQN-...	115333	1369.85	NORTE	Resid...	102	500
29	61715	SQN-...	SQN-...	99270.8	1272.43	NORTE	Resid...	4	16
30	61714	SQN-...	SQN-...	111340	1345.03	NORTE	Lazer	1	85
31	61763	SQN-...	SQN-...	121713	1410.73	NORTE	Come...	23	4569
32	61762	SQN-...	SQN-...	106634	1310.35	NORTE	Come...	50	250
33	61761	SQN-...	SQN-...	107567	1302.47	NORTE	Resid...	100	400
34	61760	SQN-...	SQN-...	114534	1357.37	NORTE	Resid...	120	480
35	61759	SQN-...	SQN-...	98716.2	1262.12	NORTE	Resid...	150	350
36	61758	SQN-...	SQN-...	106588	1308.55	NORTE	Resid...	130	300
37	61757	SQN-...	SQN-...	107576	1316.81	NORTE	Resid...	110	500
38	61756	SQN-...	SQN-...	100576	1273.32	NORTE	Lazer	1	80
39	61755	SQN-...	SQN-...	108030	1328.03	NORTE	Resid...	120	500
40	61754	SQN-...	SQN-...	101502	1279.77	NORTE	Resid...	100	520
41	61753	SQN-...	SQN-...	105364	1303.89	NORTE	Resid...	130	600
42	61752	SQN-...	SQN-...	110243	1333.86	NORTE	Come...	100	400
43	61751	SQN-...	SQN-...	105664	1304.17	NORTE	Resid...	110	450
44	61750	SQN-...	SQN-...	116217	1375.37	NORTE	Resid...	100	400
45	61749	SQN-...	SQN-...	116972	1383.38	NORTE	Resid...	100	450
46	61733	SQN-...	SQN-...	131032	1443.49	NORTE	Hotel...	6	700

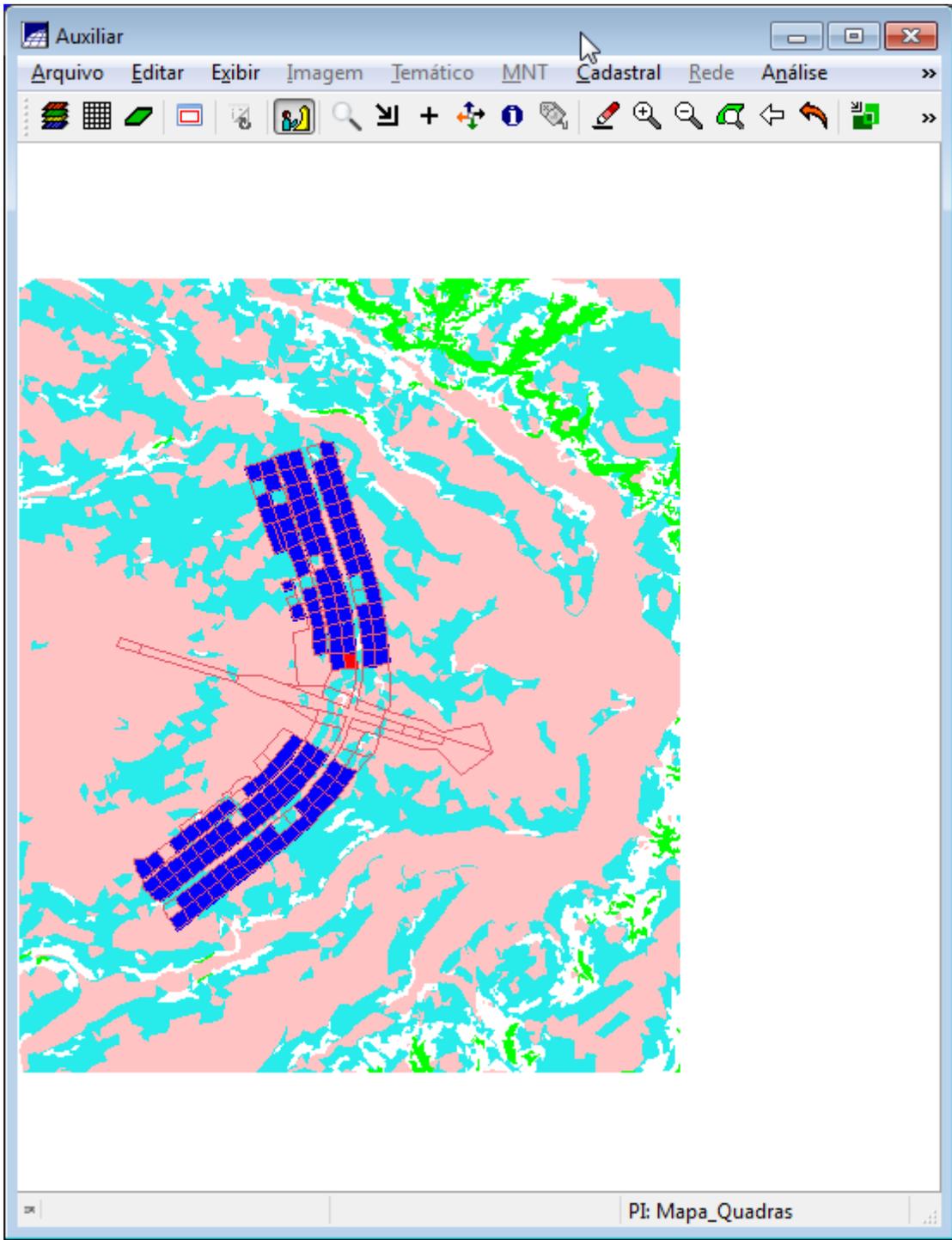


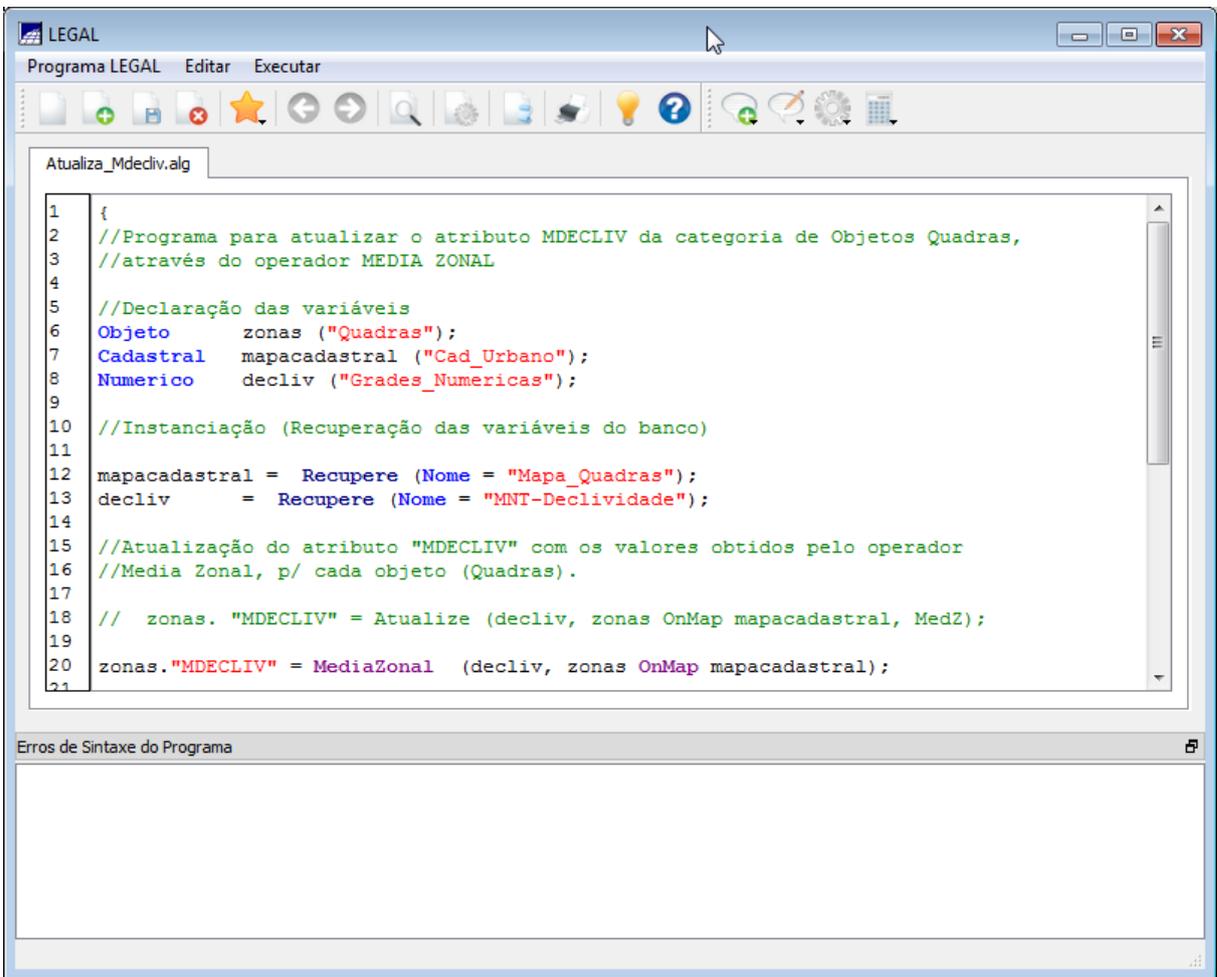
	id	nome	rotulo	area	perimetri	ASA	USO	UM_IMC	OPULAÇ
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400
5	61738	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

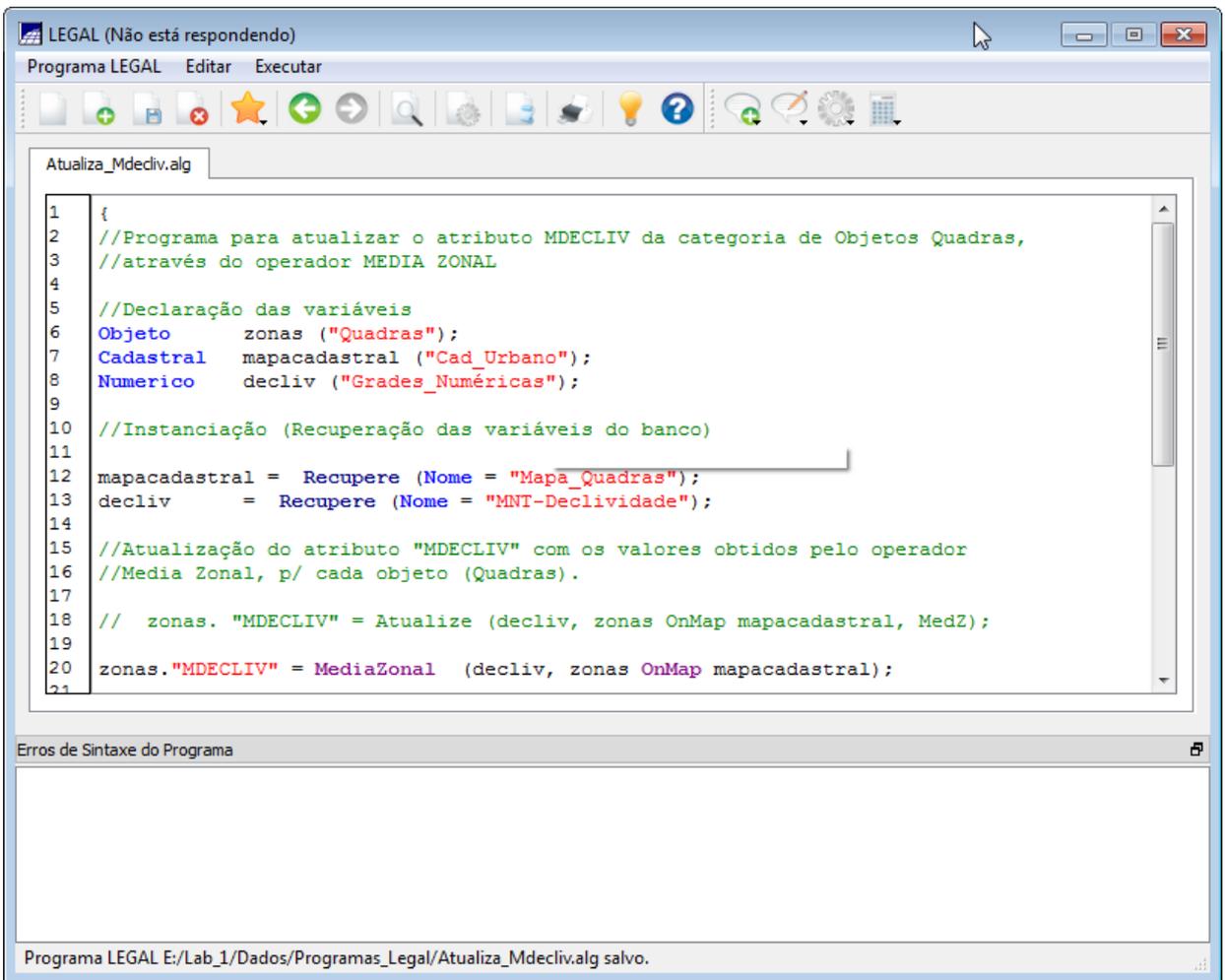












SPRING-5.2.6 [Curso][DF]

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

LEGAL (Não está respondendo)

Programa LEGAL Editar Executar

Atualiza_Mdecliv.alg

```
1 {
2 //Programa para atualizar o atributo MDECLIV da categoria de Objetos Quadras,
3 //através do operador MEDIA ZONAL
4
5 //Declaração das variáveis
6 Objeto zonas ("Quadras");
7 Cadastral mapacadastral ("Cad_Urbano");
8 Numerico decliv ("Grades_Numéricas");
9
10 //Instanciação (Recuperação das variáveis do banco)
11
12 mapacadastral = Recupere (Nome = "Mapa_Quadras");
13 decliv = Recupere (Nome = "MNT-Declividade");
14
15 //Atualização do atributo "MDECLIV" com os valores obtidos pelo operador
16 //Media Zonal, p/ cada objeto (Quadras).
17
18 // zonas. "MDECLIV" = Atualize (decliv, zonas OnMap mapacadastral, MedZ);
19
20 zonas."MDECLIV" = MediaZonal (decliv, zonas OnMap mapacadastral);
21
```

Erros de Sintaxe do Programa

Programa LEGAL E:/Lab_1/Dados/Programas_Legal/Atualiza_Mdecliv.alg salvo.

Principal Tela 2 Tela 3 Tela 4

Processando variável: zonas

PI: Mapa_Altimétrico

SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



Principal Tela 2 Tela 3 Tela 4

Tabela

	id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA	MDECLIN
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

PI: Mapa_Quadras

SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



Principal Tela 2 Tela 3 Tela 4

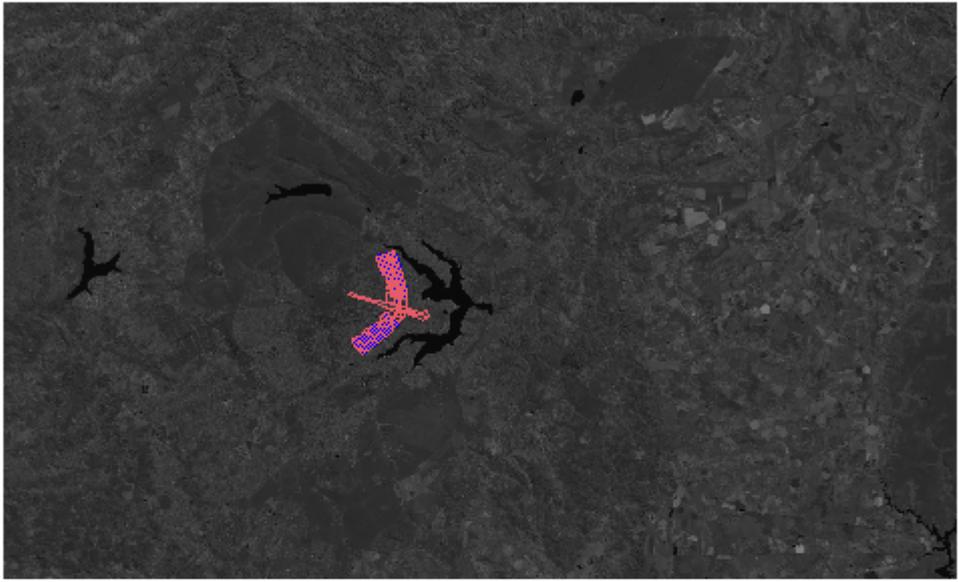
Tabela

	id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA	MDECLIN
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

PI: B3

SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



Principal Tela 2 Tela 3 Tela 4

Tabela

	id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA	MDECLIN
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

PI: B4

SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar

Importação

Dados Conversão Saída

Projeto: DF

Categoria... Imagem_ETM

PI: B5 Mosaico

Executar Fechar Ajuda

Importar Identificadores

Tabela

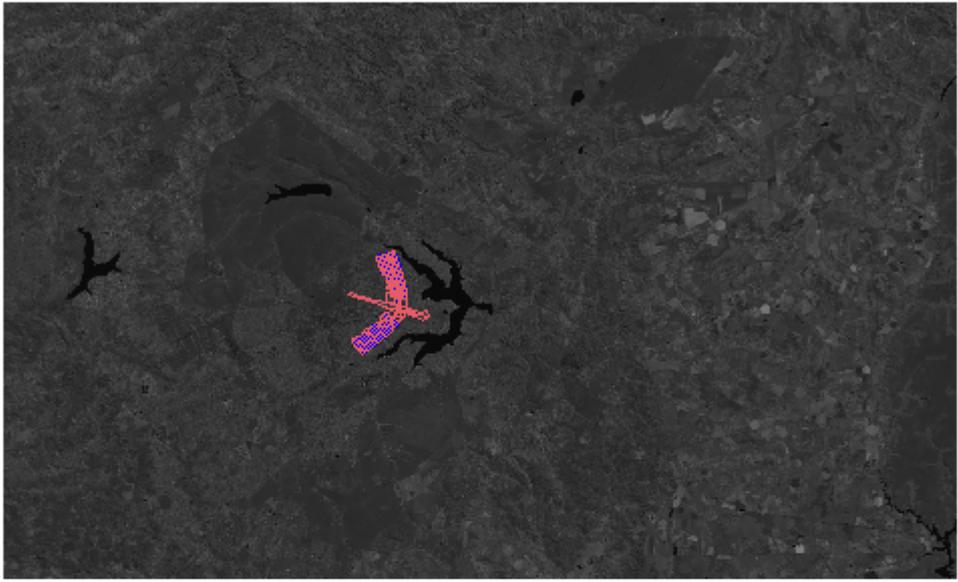
	id	nome								
1	61734	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
2	61735	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
3	61736	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
4	61737	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
5	61738	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
6	61739	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
7	61740	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
8	61741	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...
9	61742	SQN-...	SQN-...							
10	61743	SQN-...	SQN-...							

DECLIN

PI: B5

SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar

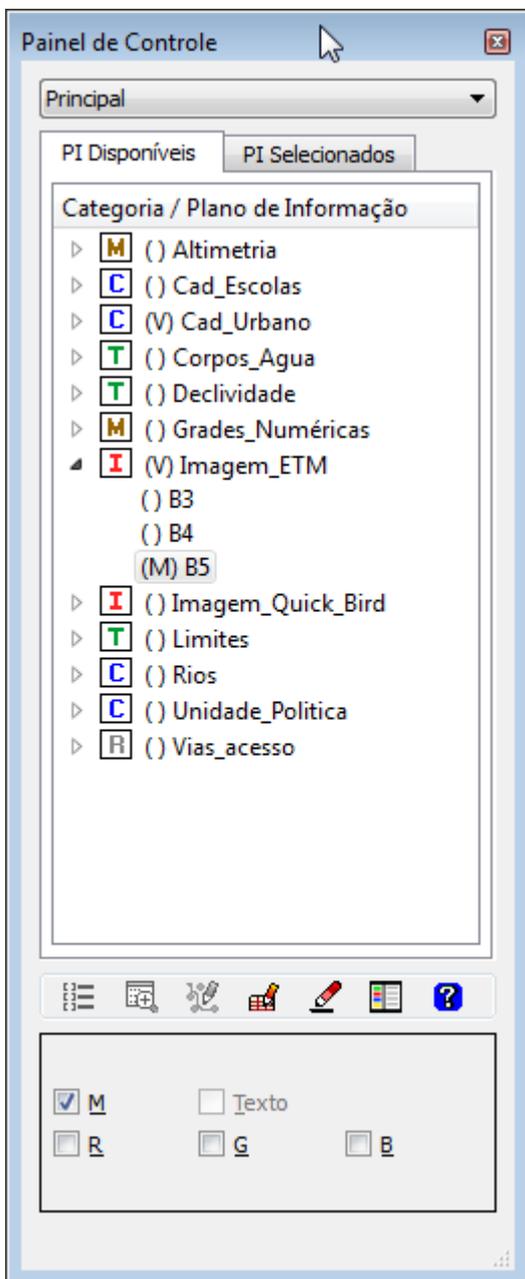


Principal Tela 2 Tela 3 Tela 4

Tabela

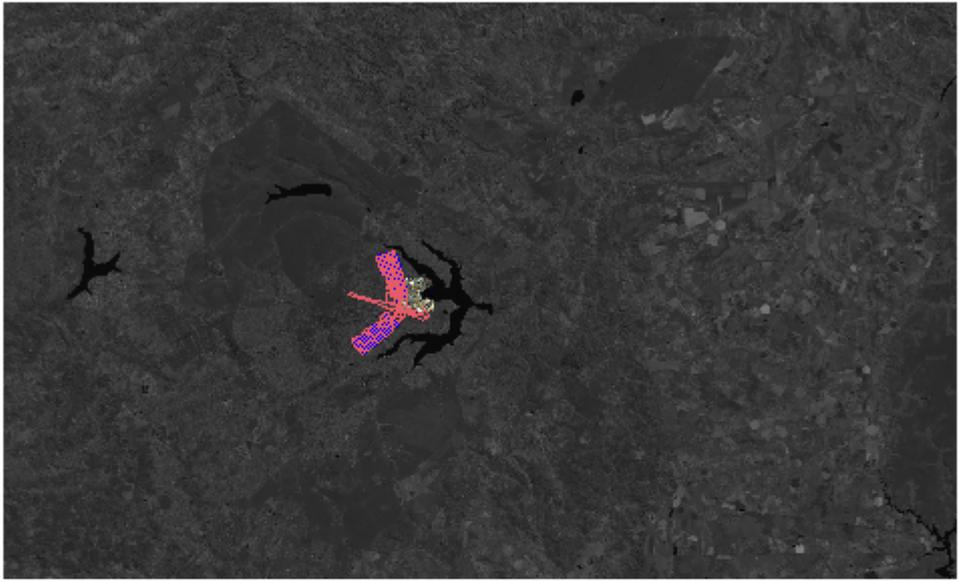
	id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA	MDECLIN
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

PI: B5



SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar

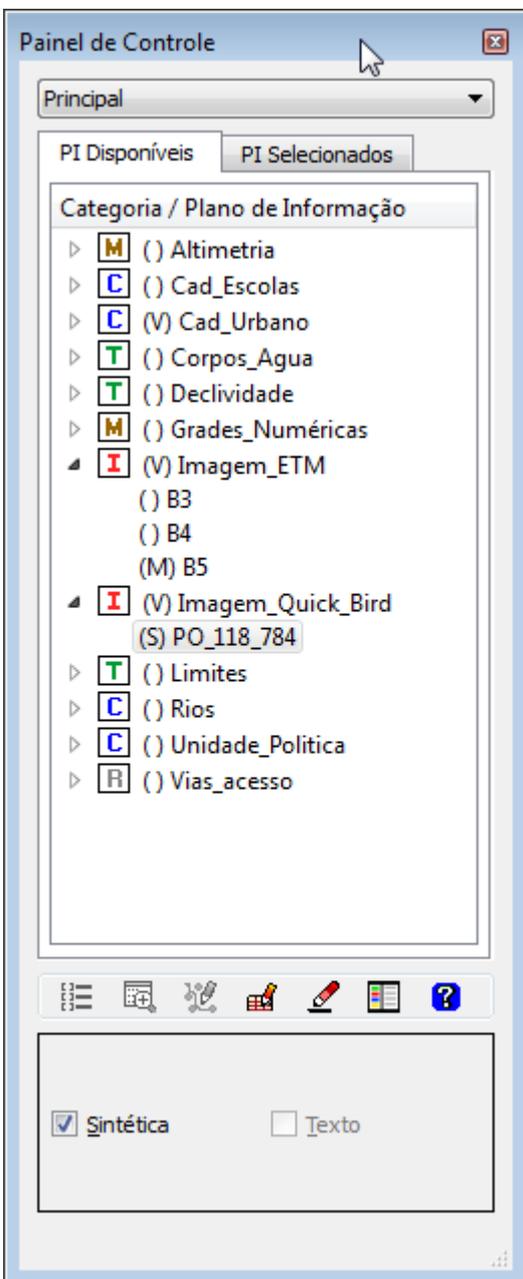


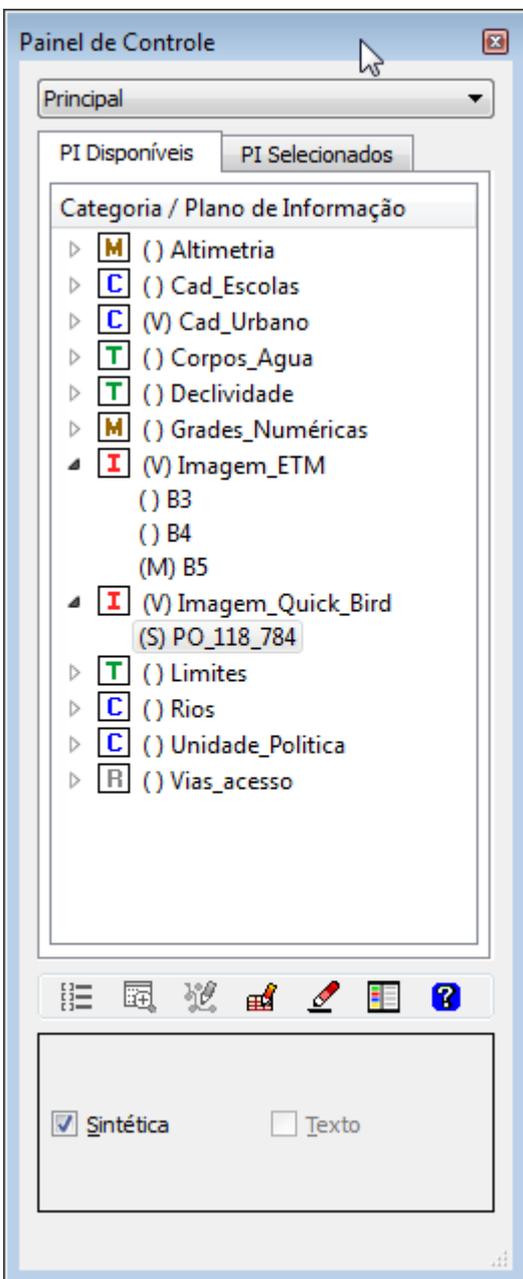
Principal Tela 2 Tela 3 Tela 4

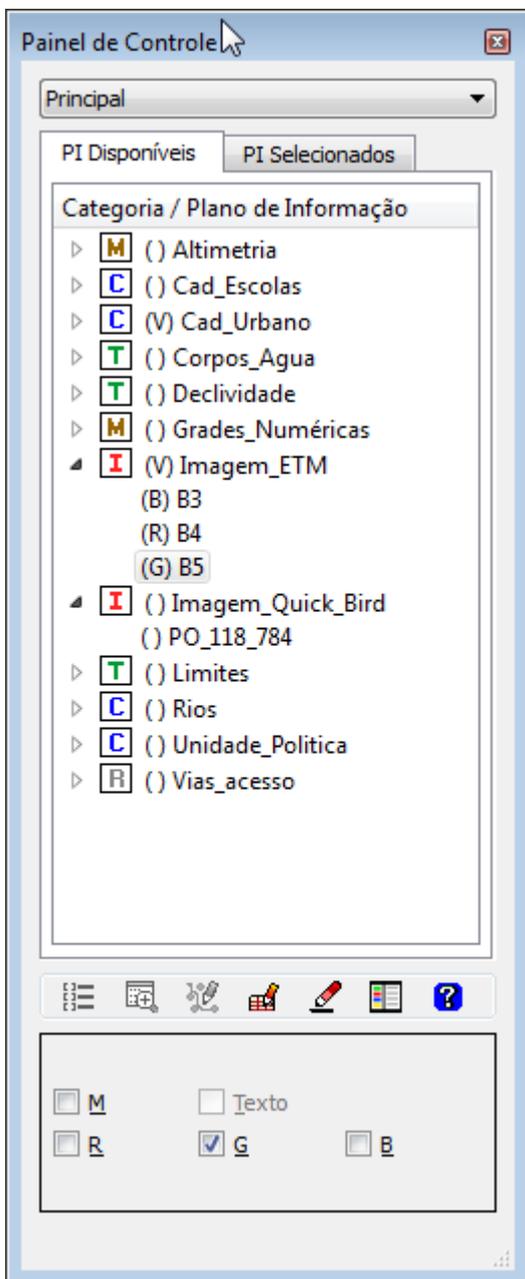
Tabela

	id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA	MDECLIN
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

PI: PO_118_784

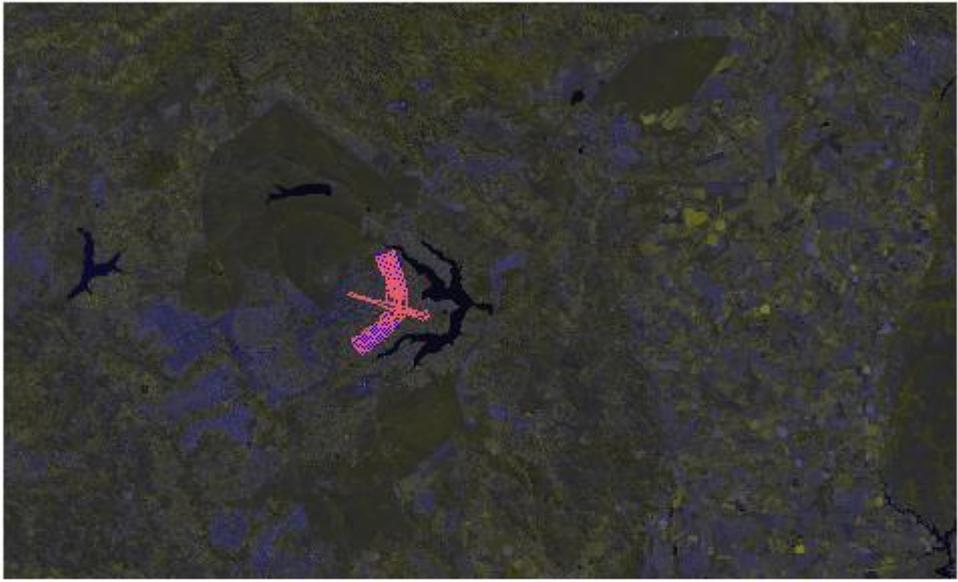






SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar

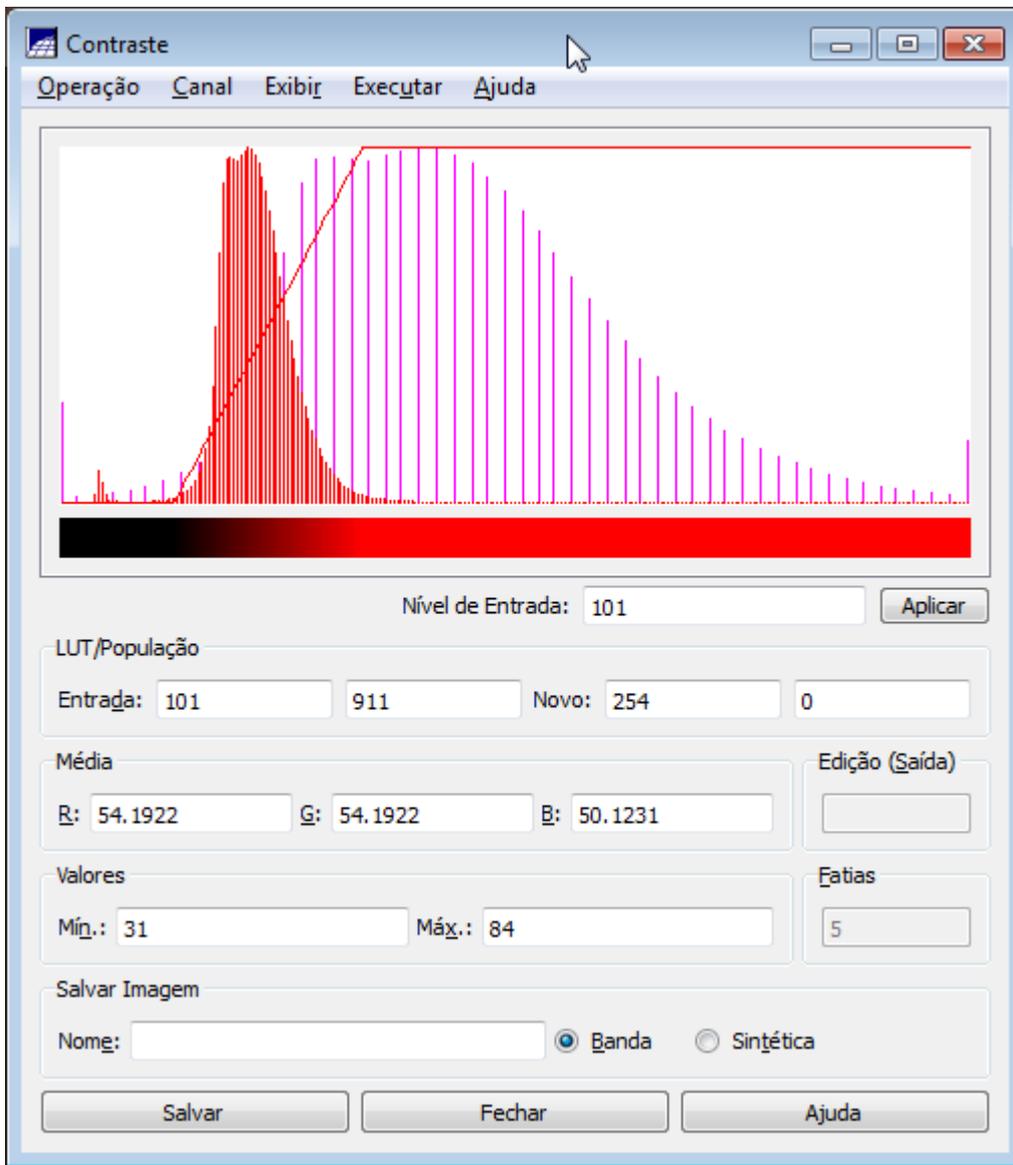


Principal Tela 2 Tela 3 Tela 4

Tabela

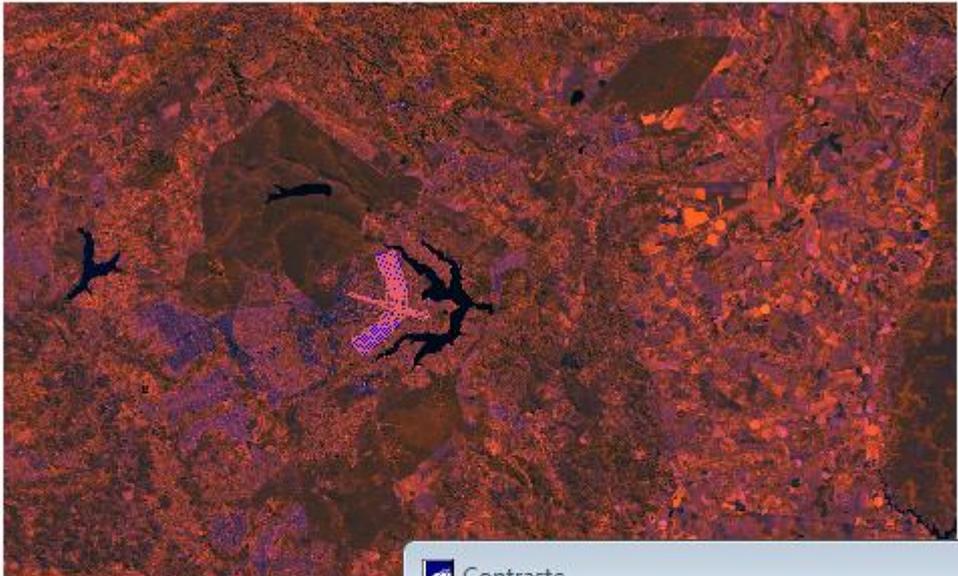
	id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA	MDECLIN
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

PI: B5



SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



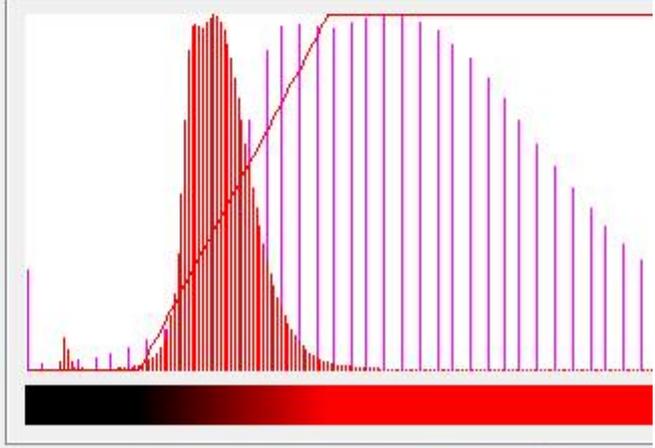
Principal Tela 2 Tela 3 Tela 4

Tabela

	id	nome	rotulo	area	perimetr	
1	61734	SQN-...	SQN-...	110770	1345.51	NO
2	61735	SQN-...	SQN-...	110082	1336.19	NO
3	61736	SQN-...	SQN-...	104903	1310.89	NO
4	61737	SQN-...	SQN-...	106524	1305.89	NO
5	61738	SQN-...	SQN-...	101699	1279.4	NO
6	61739	SQN-...	SQN-...	95459	1248.97	NO
7	61740	SQN-...	SQN-...	108359	1323.46	NO
8	61741	SQN-...	SQN-...	104378	1301.07	NO
9	61742	SQN-...	SQN-...	113198	1351.42	NO
10	61743	SQN-...	SQN-...	112457	1340.52	NO

Contraste

Operação Canal Exibir Executar Ajuda

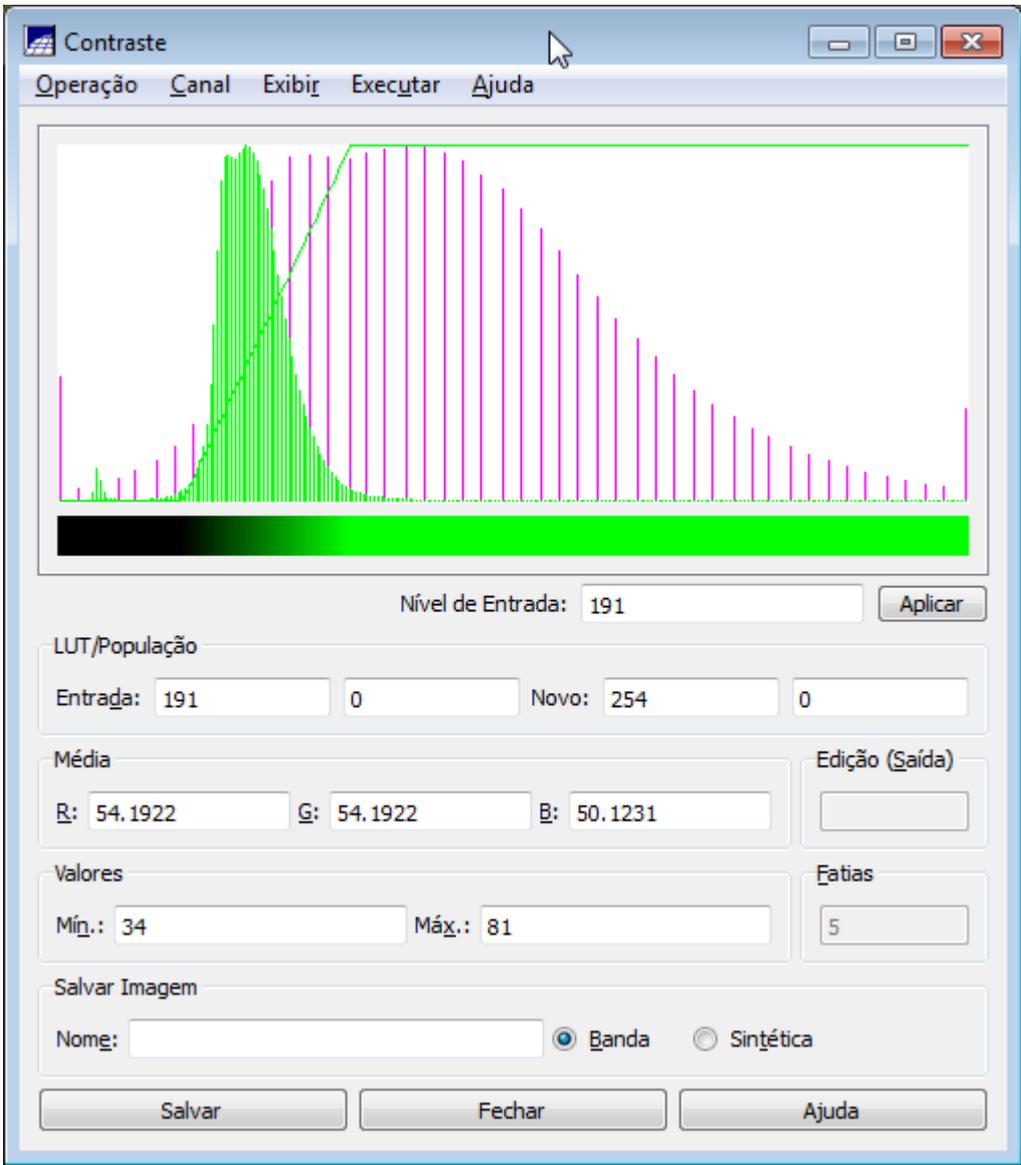


Nível de Entrada: 101

LUT/População

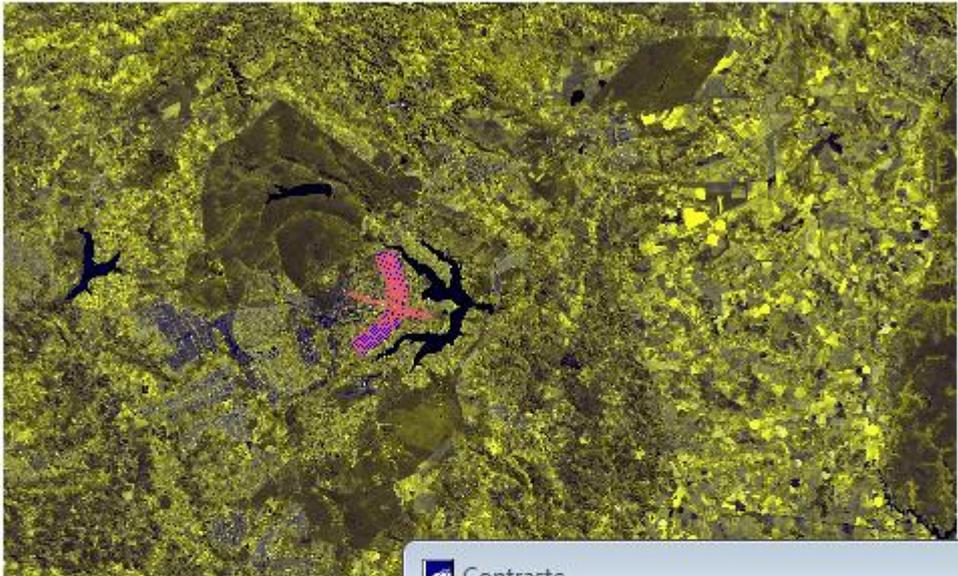
Entrada: 101 911 Novo: 254

Média



SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



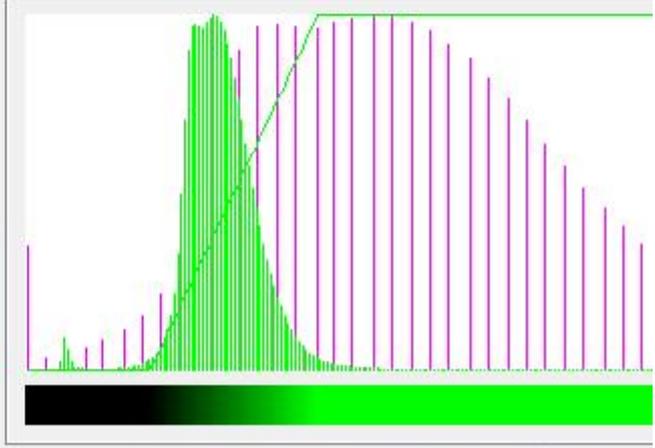
Principal Tela 2 Tela 3 Tela 4

Tabela

	id	nome	rotulo	area	perimetro	
1	61734	SQN-...	SQN-...	110770	1345.51	NO
2	61735	SQN-...	SQN-...	110082	1336.19	NO
3	61736	SQN-...	SQN-...	104903	1310.89	NO
4	61737	SQN-...	SQN-...	106524	1305.89	NO
5	61738	SQN-...	SQN-...	101699	1279.4	NO
6	61739	SQN-...	SQN-...	95459	1248.97	NO
7	61740	SQN-...	SQN-...	108359	1323.46	NO
8	61741	SQN-...	SQN-...	104378	1301.07	NO
9	61742	SQN-...	SQN-...	113198	1351.42	NO
10	61743	SQN-...	SQN-...	112457	1340.52	NO

Contraste

Operação Canal Exibir Executar Ajuda

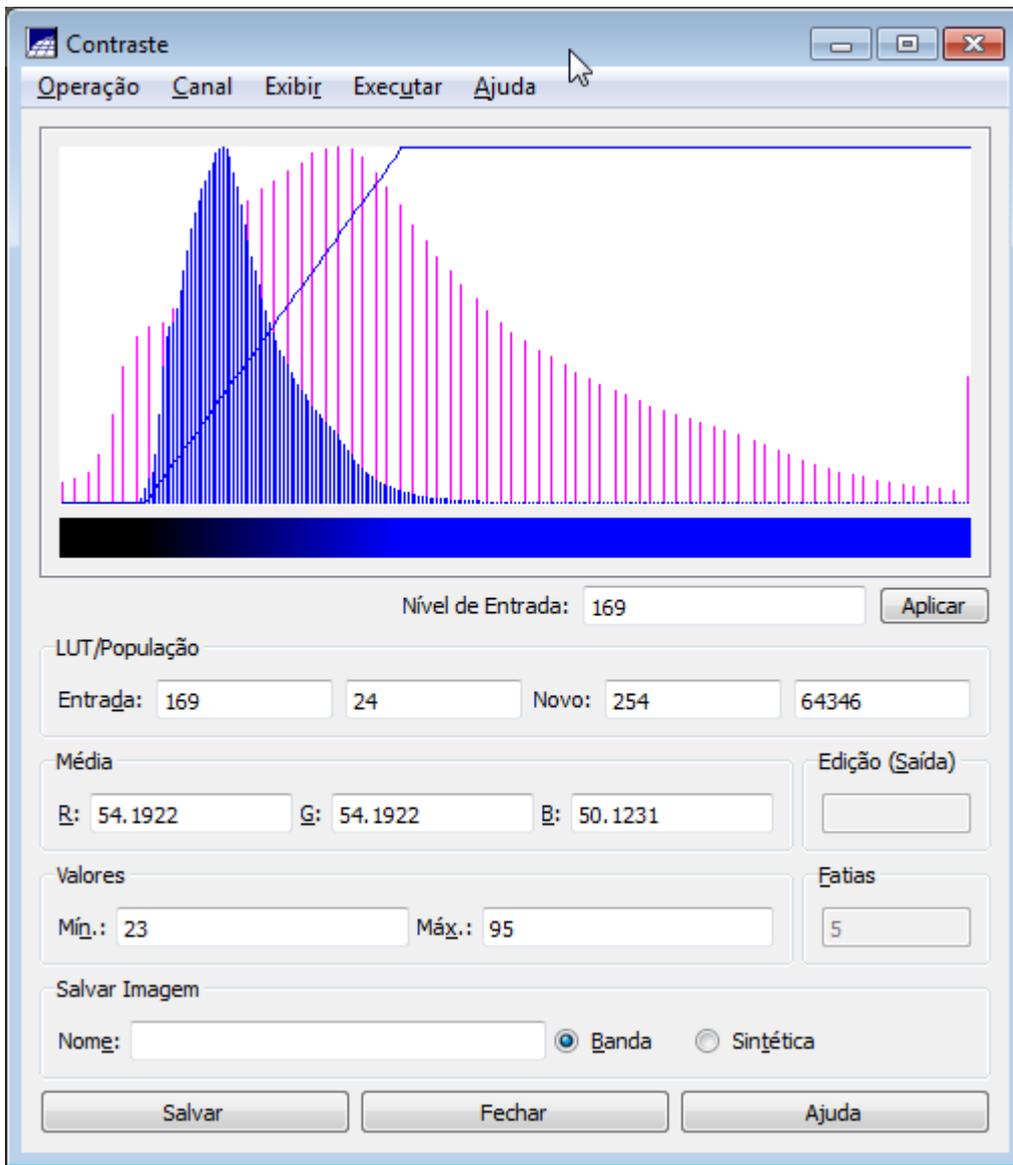


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LUT/População

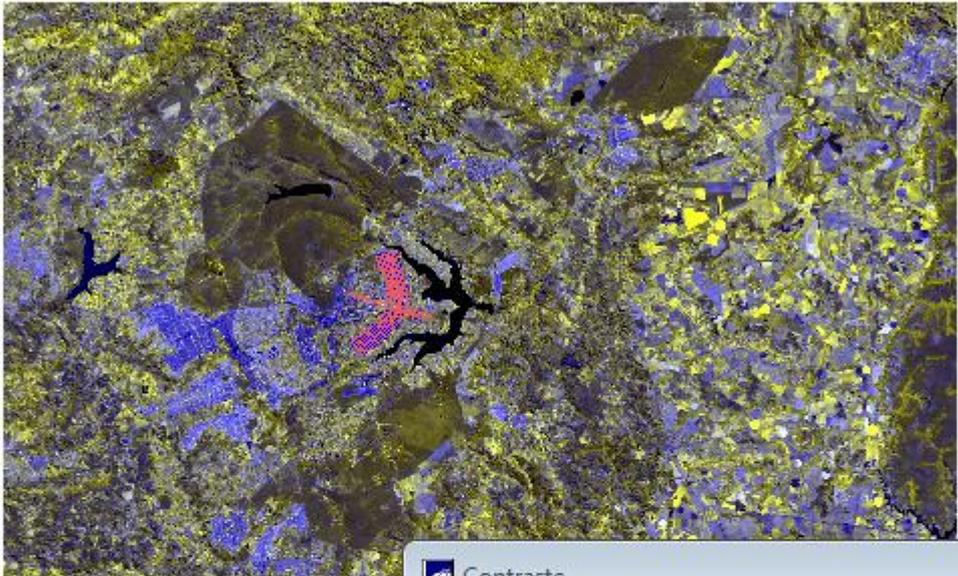
Entrada: 191 0 Novo: 254

Média



SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



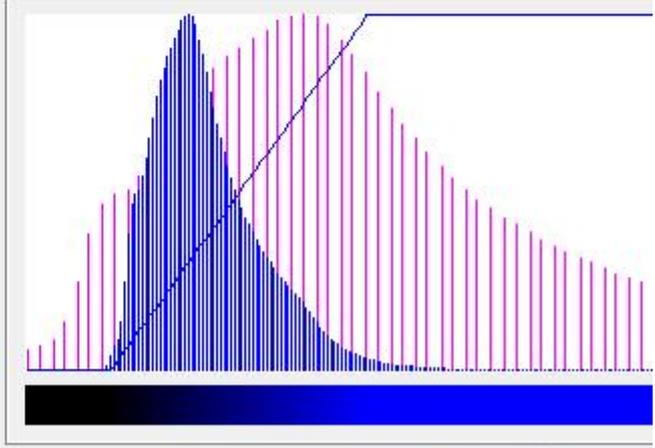
Principal Tela 2 Tela 3 Tela 4

Tabela

	id	nome	rotulo	area	perimetr	
1	61734	SQN-...	SQN-...	110770	1345.51	NO
2	61735	SQN-...	SQN-...	110082	1336.19	NO
3	61736	SQN-...	SQN-...	104903	1310.89	NO
4	61737	SQN-...	SQN-...	106524	1305.89	NO
5	61738	SQN-...	SQN-...	101699	1279.4	NO
6	61739	SQN-...	SQN-...	95459	1248.97	NO
7	61740	SQN-...	SQN-...	108359	1323.46	NO
8	61741	SQN-...	SQN-...	104378	1301.07	NO
9	61742	SQN-...	SQN-...	113198	1351.42	NO
10	61743	SQN-...	SQN-...	112457	1340.52	NO

Contraste

Operação Canal Exibir Executar Ajuda

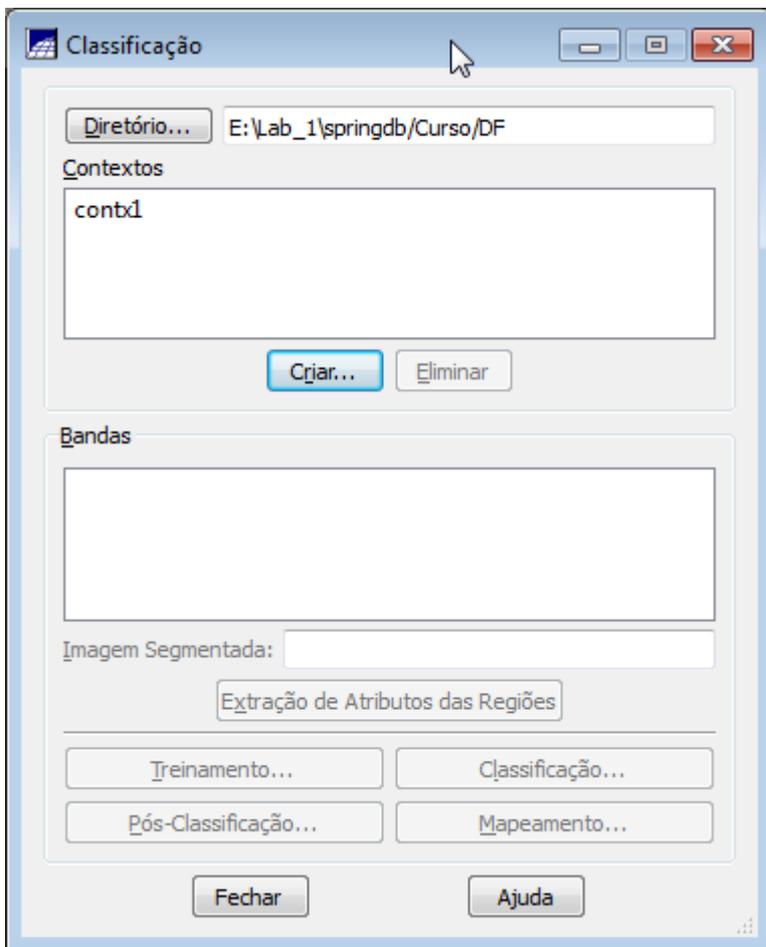


Nível de Entrada: 169

LUT/População

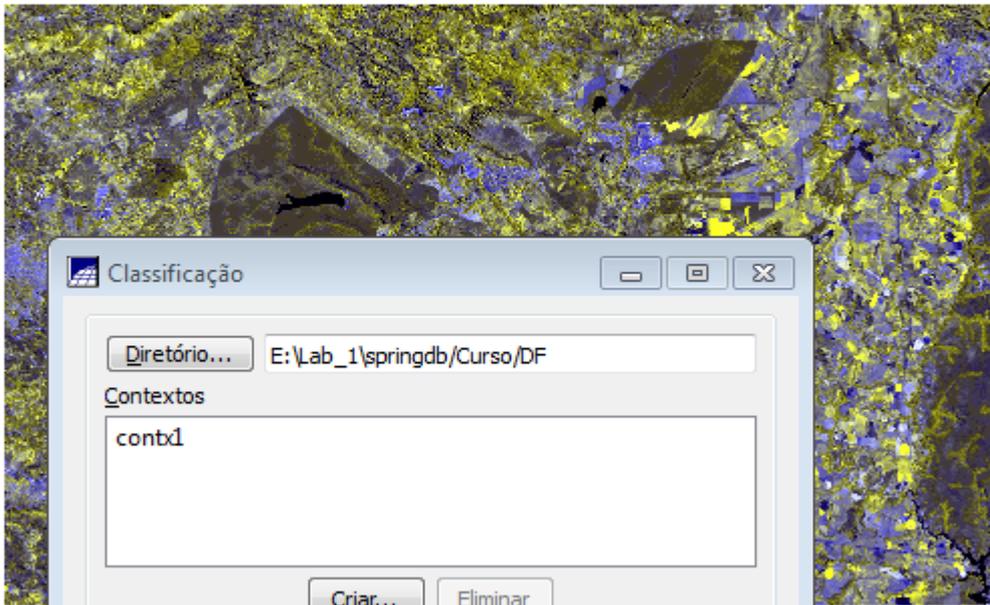
Entrada: 169 24 Novo: 254

Média



SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



Classificação

Diretório... E:\Lab_1\springdb/Curso/DF

Contextos

contd

Criar... Eliminar

Bandas

Imagem Segmentada:

Extração de Atributos das Regiões

Treinamento... Classificação...

Pós-Classificação... Mapeamento...

Fechar Ajuda

Principal

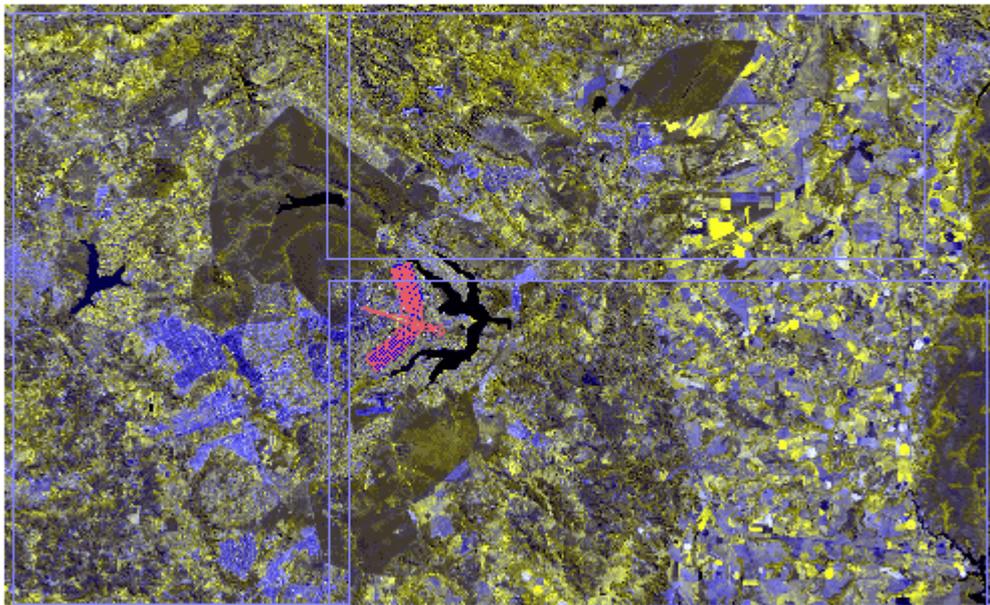
Tabela

	id	nome	rotulo	area	perimetr	ASA	USO	UM_IMC	OPULA	MDECLI
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-	SQN-	112457	1340.52	NORTE	Resid	30	150	1.6222

PI: Comp_453

SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar



Classificação

Diretório... E:\Lab_1\springdb/Curso/DF

Contextos

cont1

Criar... Eliminar

Bandas

B3
B4
B5

Imagem Segmentada:

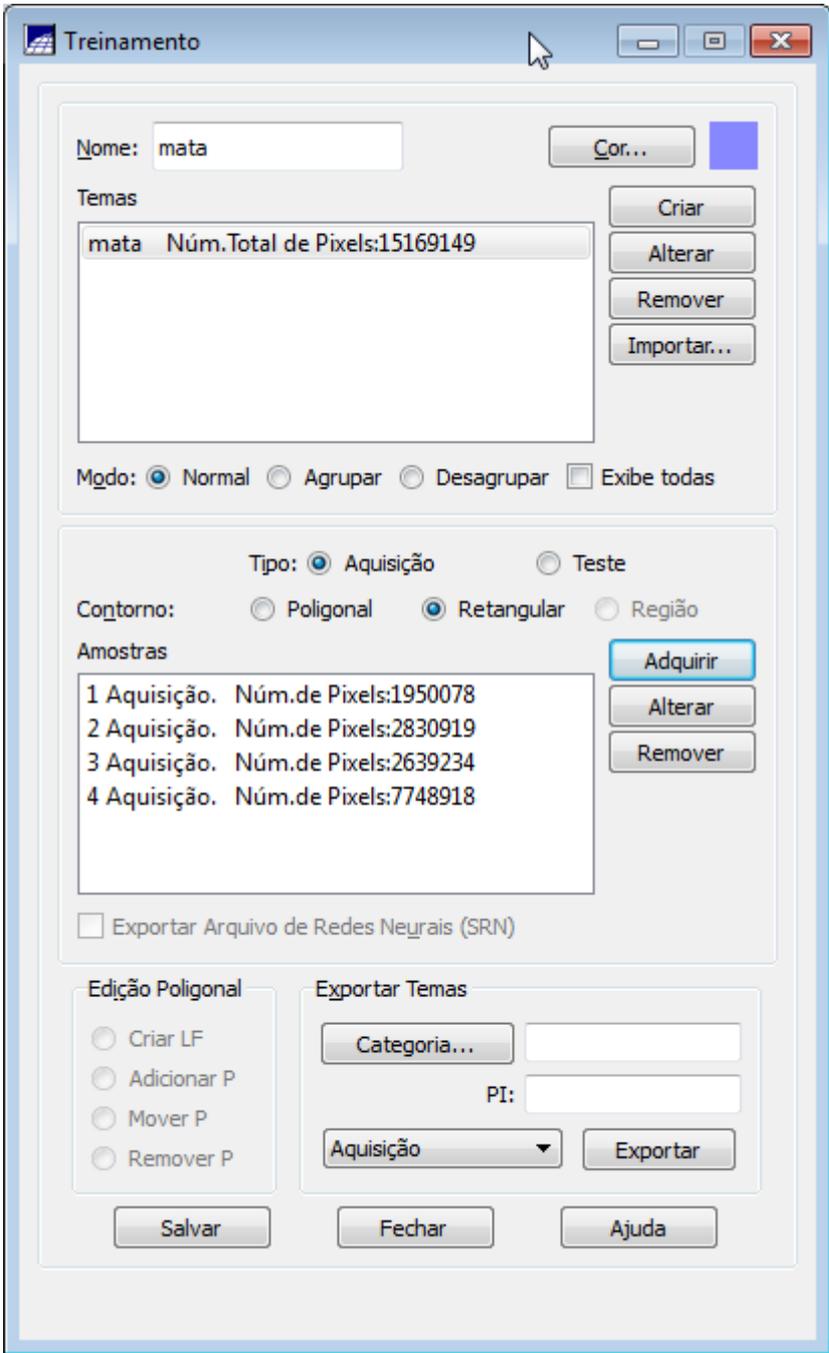
Extração de Atributos das Regiões

Treinamento... Classificação...
Pós-Classificação... Mapeamento...

Fechar Ajuda

PULA	MDECLIN
00	2.4337...
0	1.9993...
0	2.4962...
0	1.8826...
0	2.6127...
0	1.9825...
0	1.7747...
0	1.9133...
0	1.9677...
0	1.6222

np_453



SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar

Classificação

Diretório... E:\Lab_1\springdb/Curso/DF

Contextos

contx1

Criar... Eliminar

Bandas

B3
B4
B5

Imagem Segmentada:

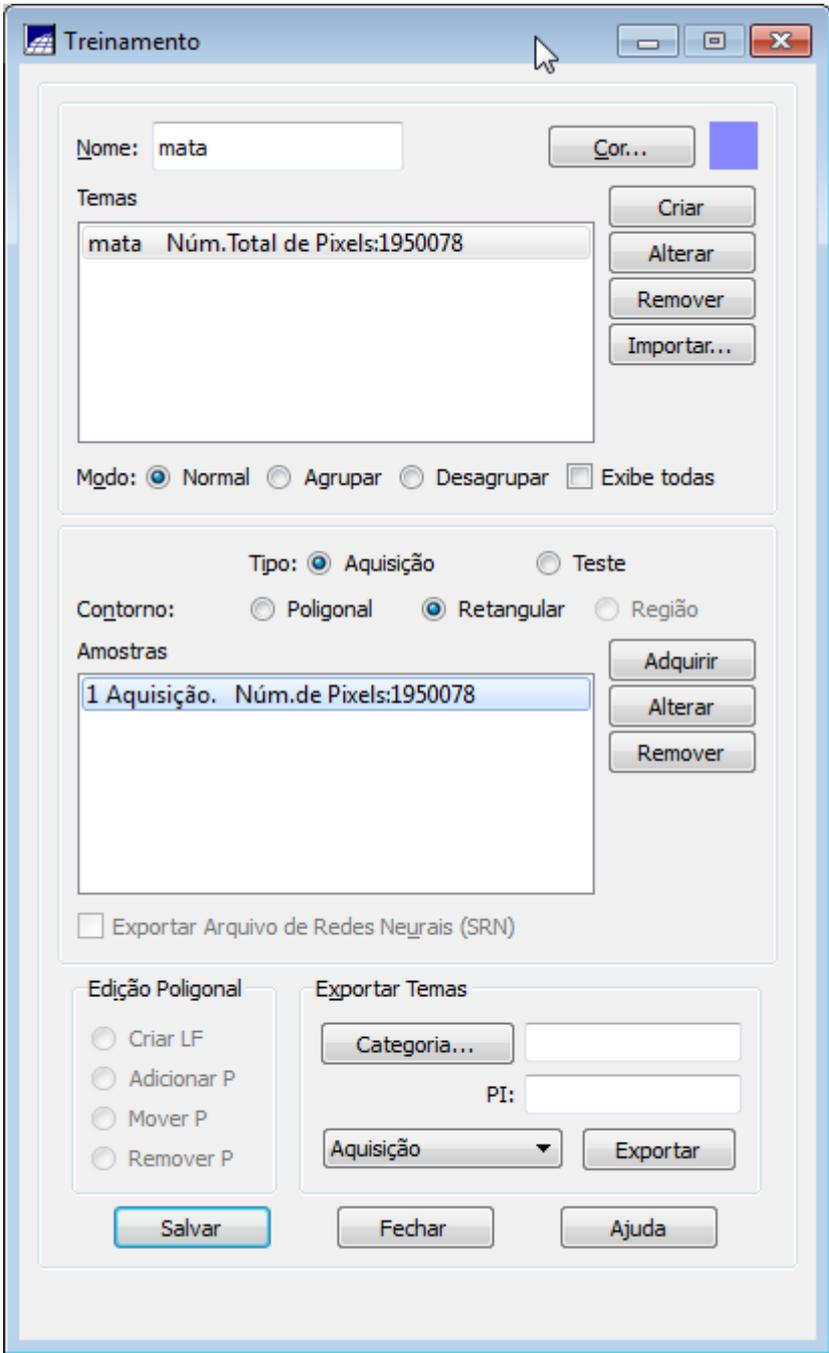
Extração de Atributos das Regiões

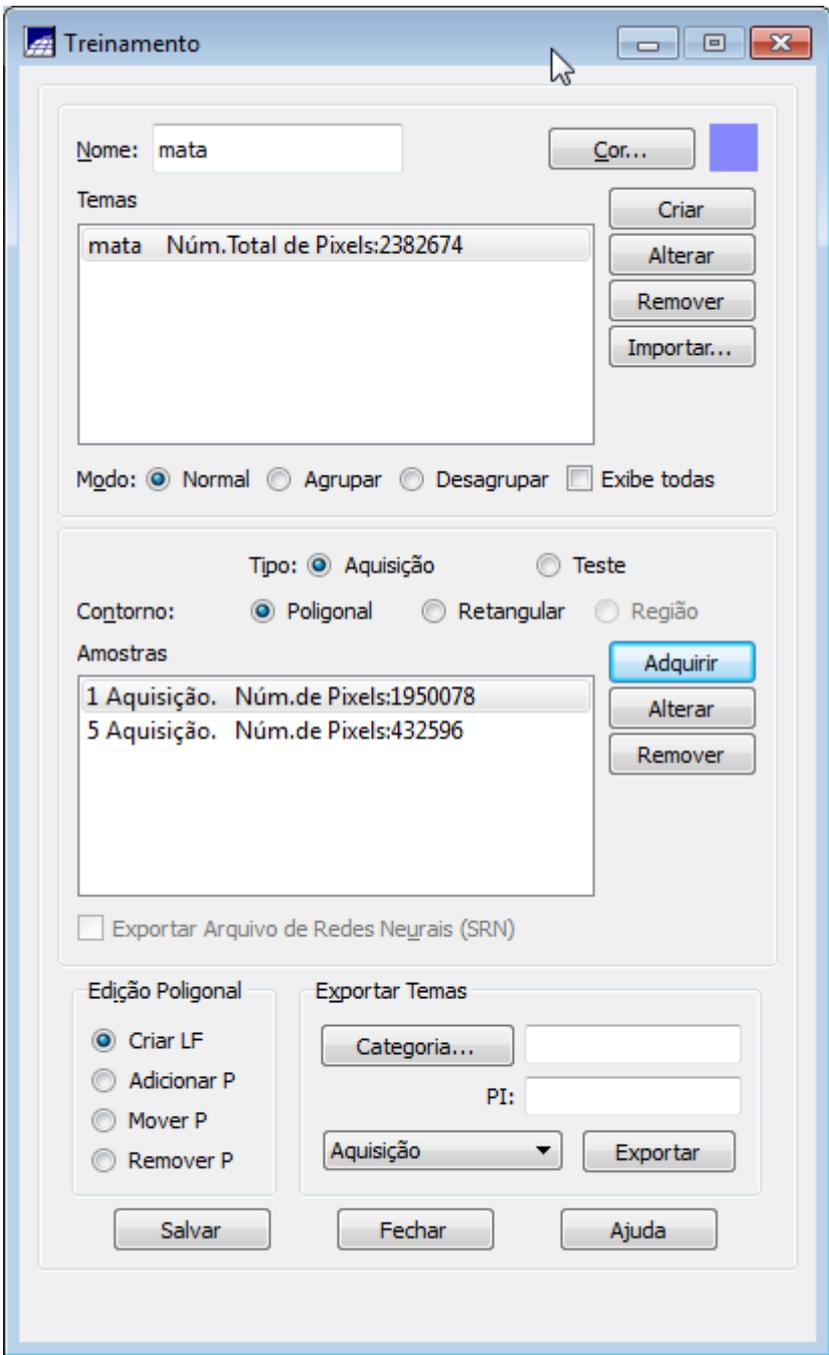
Treinamento... Classificação...
Pós-Classificação... Mapeamento...

Fechar Ajuda

PULA	MDECLIN
00	2.4337...
0	1.9993...
0	2.4962...
0	1.8826...
0	2.6127...
0	1.9825...
0	1.7747...
0	1.9133...
0	1.9677...
0	1.6222

np_453





SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar

Classificação

Diretório... E:\Lab_1\springdb/Curso/DF

Contextos

contx1

Criar... Eliminar

Bandas

B3
B4
B5

Imagem Segmentada:

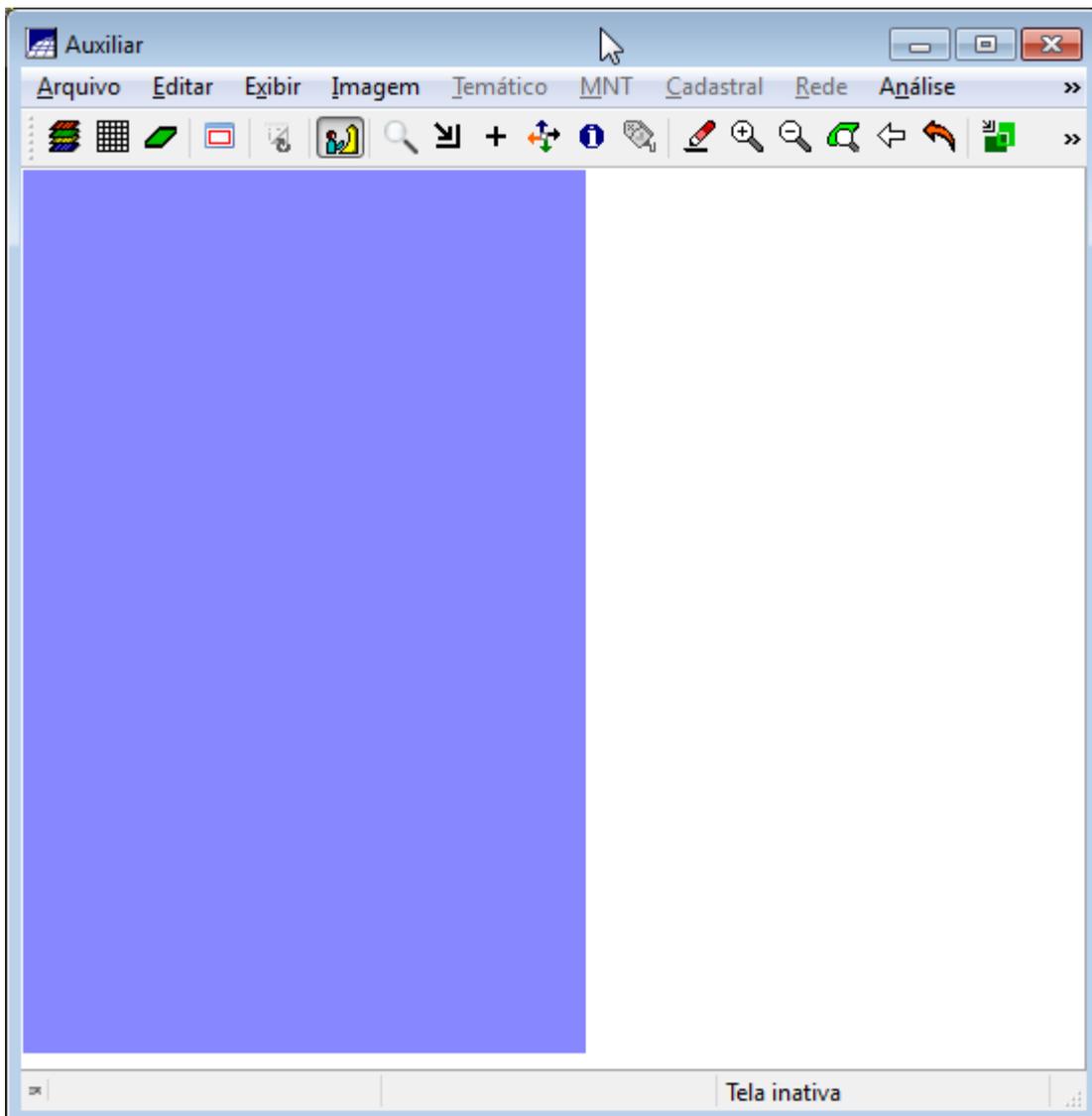
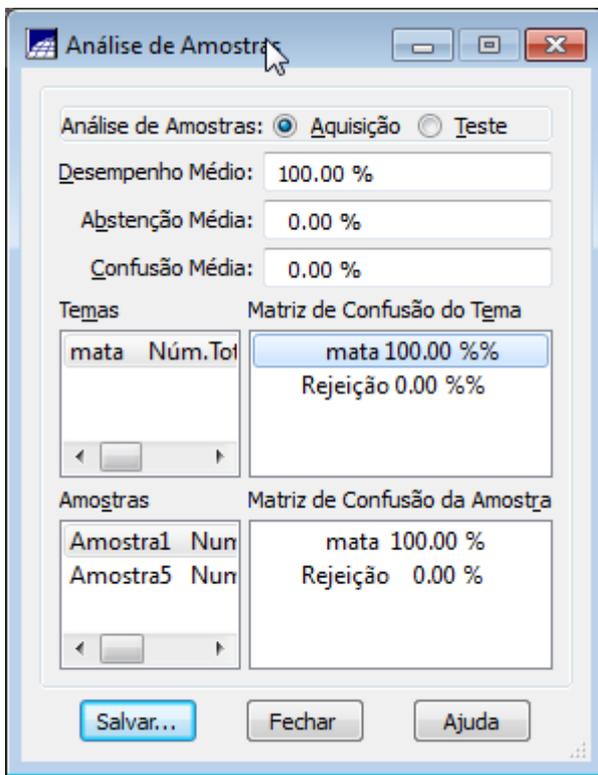
Extração de Atributos das Regiões

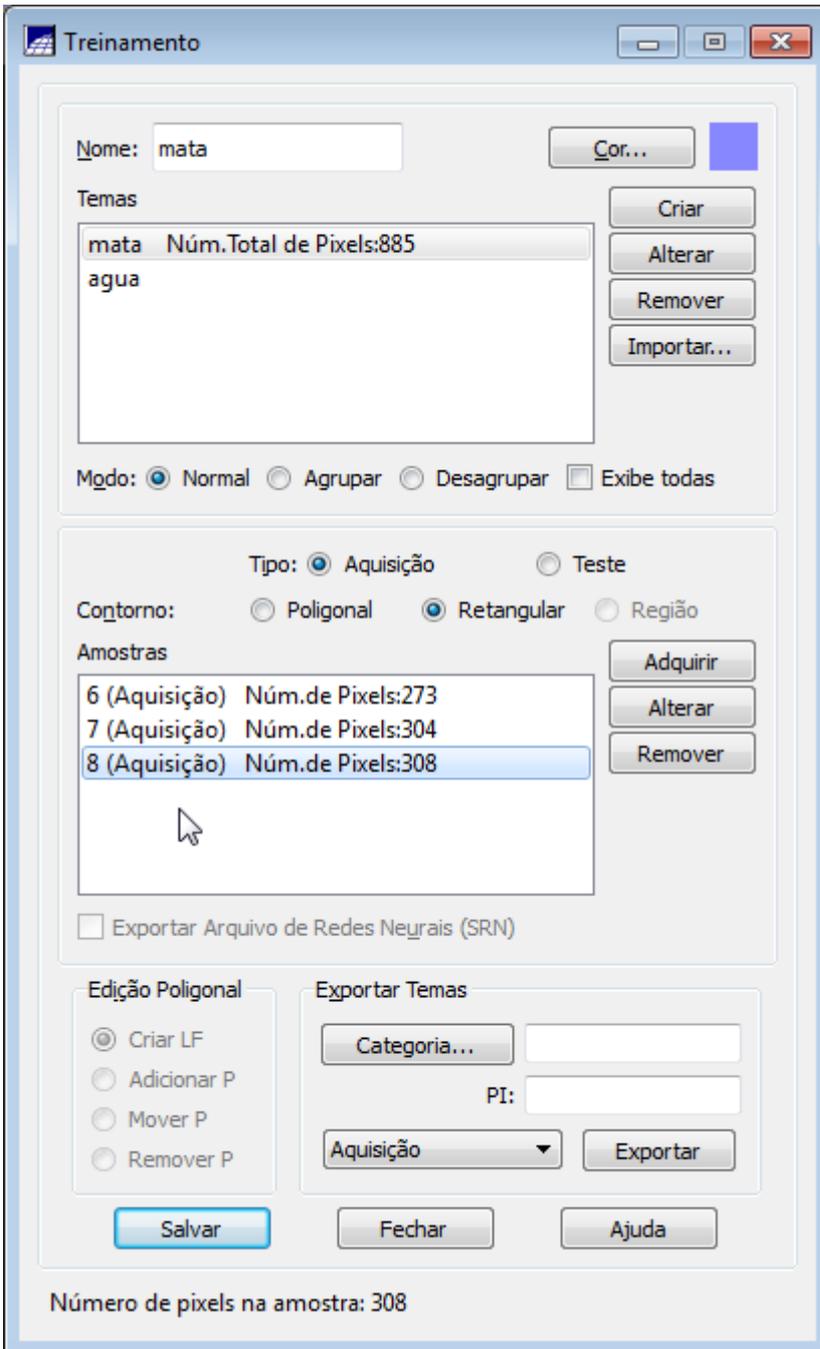
Treinamento... Classificação...
Pós-Classificação... Mapeamento...

Fechar Ajuda

PULA	MDECLIN
00	2.4337...
0	1.9993...
0	2.4962...
0	1.8826...
0	2.6127...
0	1.9825...
0	1.7747...
0	1.9133...
0	1.9677...
0	1.6222

np_453





SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar Ferramentas TerraLib

id	nome	rotulo	area	perimetro	ASA	USO	UM_IMC	OPULA	MDECLIN	
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

Principal Tela 2 Tela 3 Tela 4

PI: Comp_453

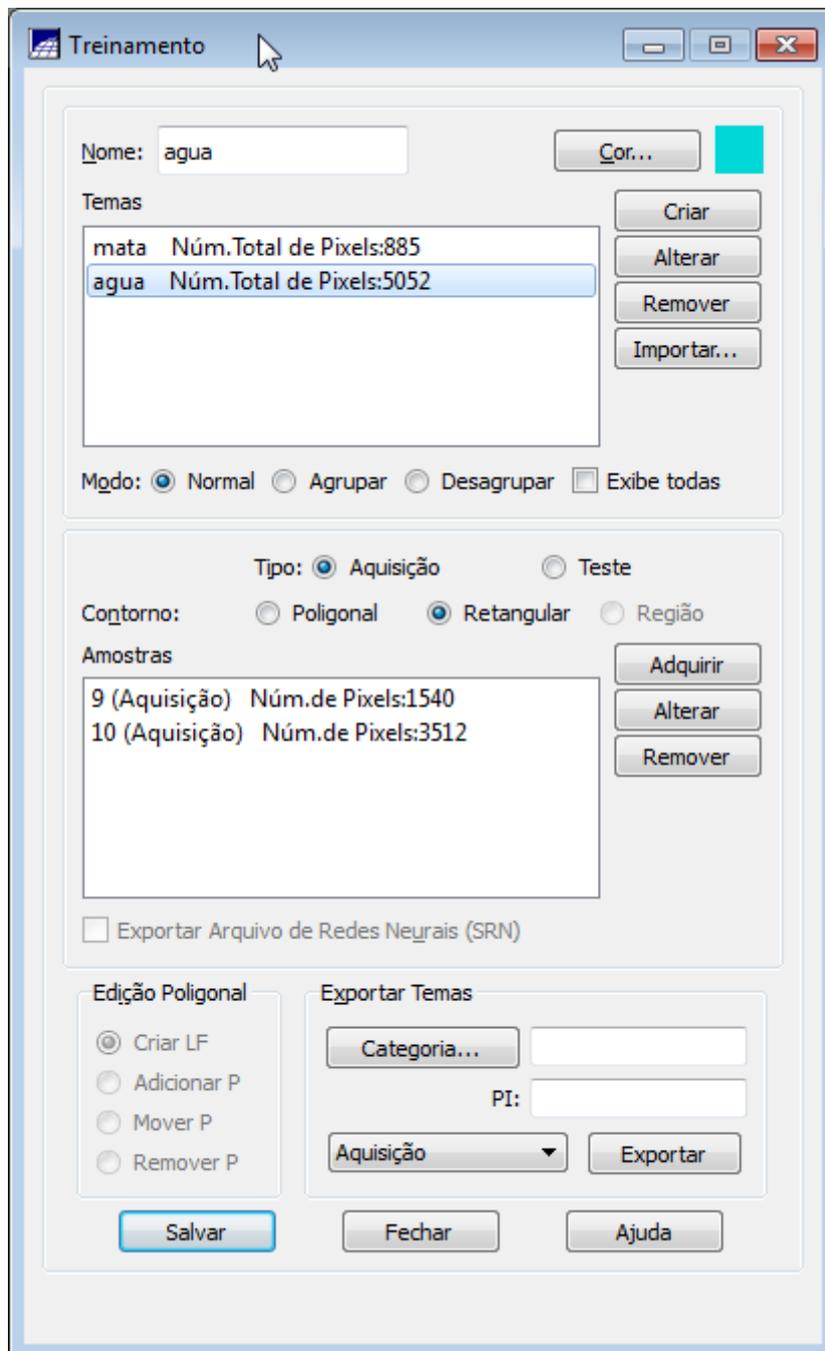
SPRING-5.2.6 [Curso][DF]

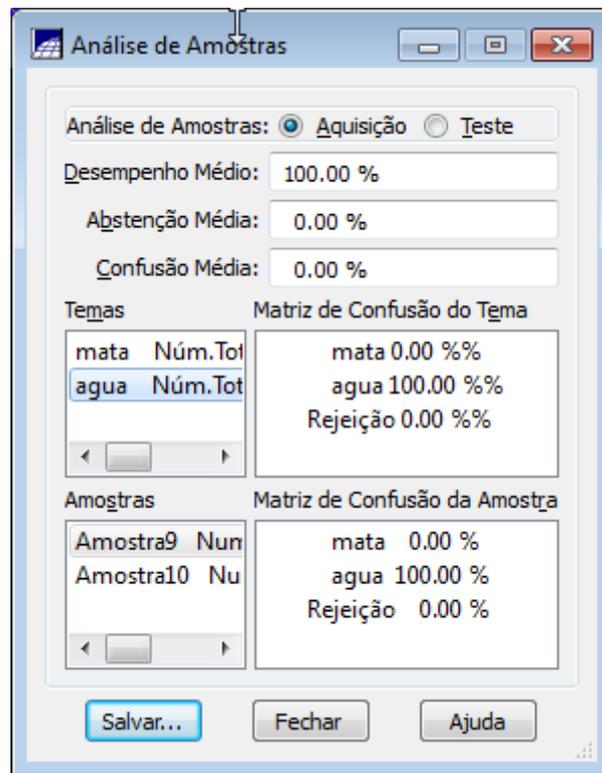
Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar Ferramentas TerraLib

Principal Tela 2 Tela 3 Tela 4

id	nome	rotulo	area	perimetri	ASA	USO	JM_IMC	OPULA	IDECLIN
1	61734	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

PI: Comp_453





SPRING-5.2.6 [Curso][DF]

Arquivo Editar Exibir Imagem Temático MNT Cadastral Rede Análise SCarta Executar Ferramentas

Diretório... E:\L Contextos contd1

Classificação de Imagem

Atributos do Classificador

Tipo do Classificador

Limiar de Aceitação: 100%

% Mudança

#Temas: #

Área de Aquisição...

Imagem de Saída

Categoria... Imagem

Nome: Mapa_Uso

Executar Fe

46%

Principal Tela 2 Tela 3 Tela 4

Tabela

	id	nome	rotulo	area	perimetri	ASA	USO	UM_JMC	OPULA	MDECLIN
1	61734	SQN-...	SQN-...	110770	1345.51	NORTE	Hotel...	12	3500	2.4337...
2	61735	SQN-...	SQN-...	110082	1336.19	NORTE	Publico	15	250	1.9993...
3	61736	SQN-...	SQN-...	104903	1310.89	NORTE	Publico	18	300	2.4962...
4	61737	SQN-...	SQN-...	106524	1305.89	NORTE	Publico	100	400	1.8826...
5	61738	SQN-...	SQN-...	101699	1279.4	NORTE	Resid...	120	500	2.6127...
6	61739	SQN-...	SQN-...	95459	1248.97	NORTE	Resid...	35	140	1.9825...
7	61740	SQN-...	SQN-...	108359	1323.46	NORTE	Resid...	24	100	1.7747...
8	61741	SQN-...	SQN-...	104378	1301.07	NORTE	Resid...	24	120	1.9133...
9	61742	SQN-...	SQN-...	113198	1351.42	NORTE	Resid...	30	120	1.9677...
10	61743	SQN-...	SQN-...	112457	1340.52	NORTE	Resid...	30	150	1.6222...

Gerando imagem classificada ... PI: Comp_453

