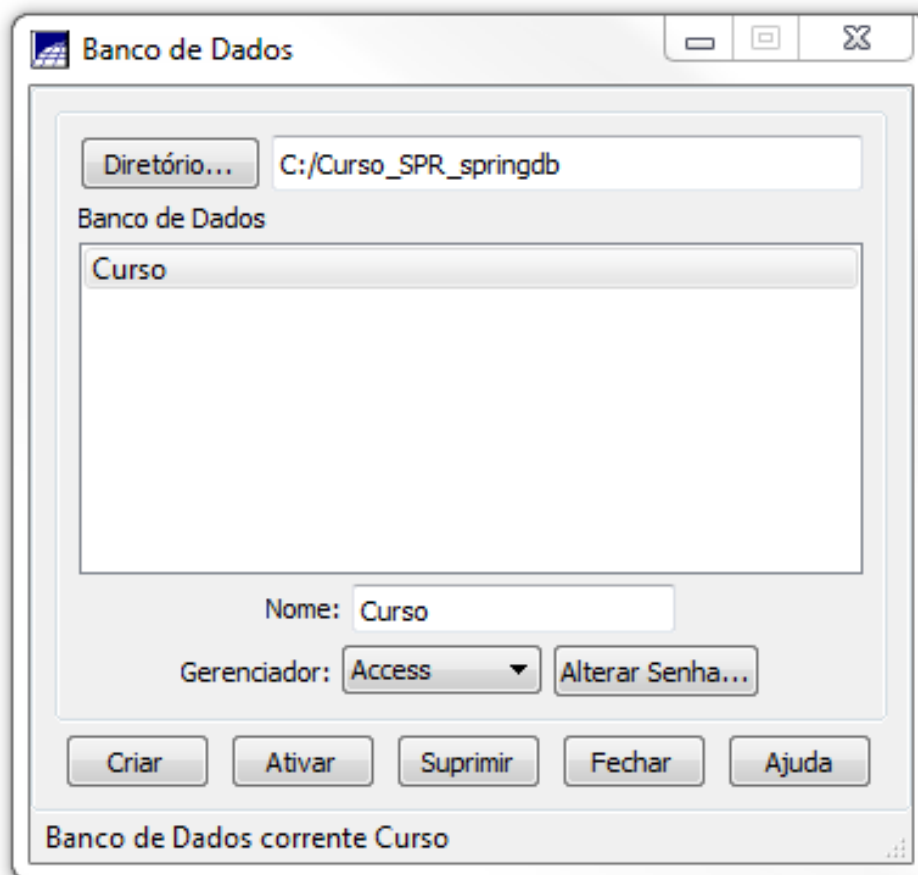


SER-300 – Introdução ao Geoprocessamento

David de Andrade Costa

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

Passo 1 – Criar o Banco de Dados



Passo 2 – Criar o Projeto

Projetos

DF

Nome: DF

Projeção... UTM/Datum->SAD69

Projeção de Referência

Projeção

Retângulo Envolvente

Coordenadas: GMS GD Planas

Long1: o 48 18 13.73662938 Long2: o 47 17 30.17227366

Lat1: s 16 4 41.88569235 Lat2: s 15 28 23.75491909

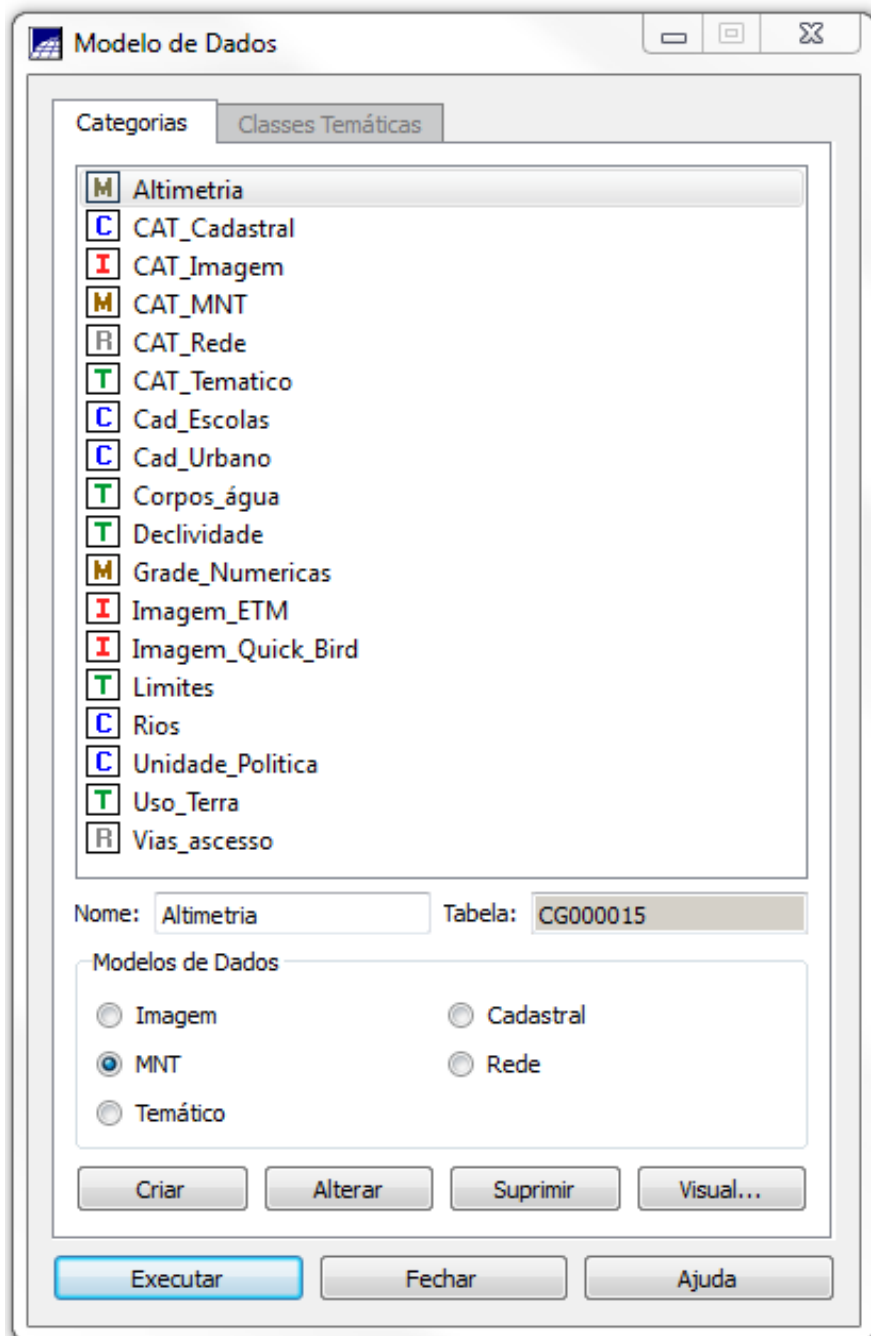
Hemisfério: N S N S

Criar Ativar Desativar Alterar Suprimir

Fechar Ajuda

Projeto corrente: DF

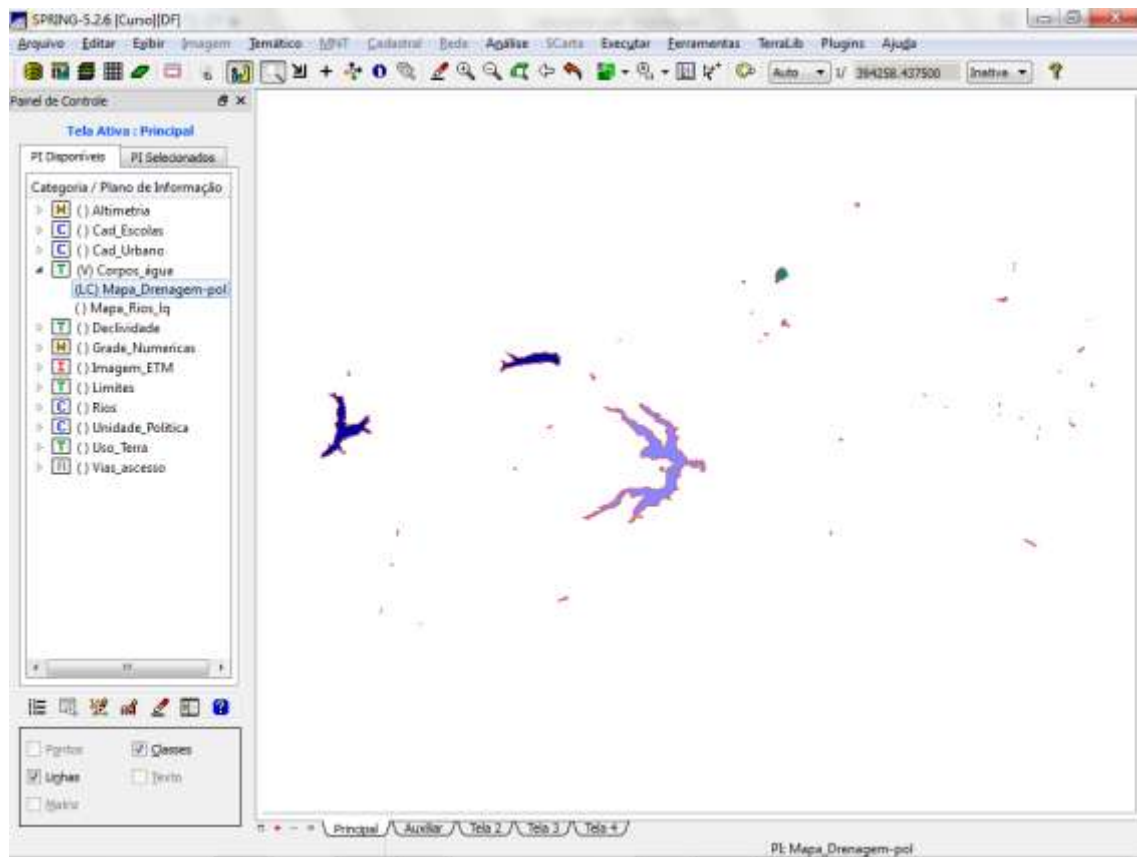
Passo 2 - Criar categorias e classes.



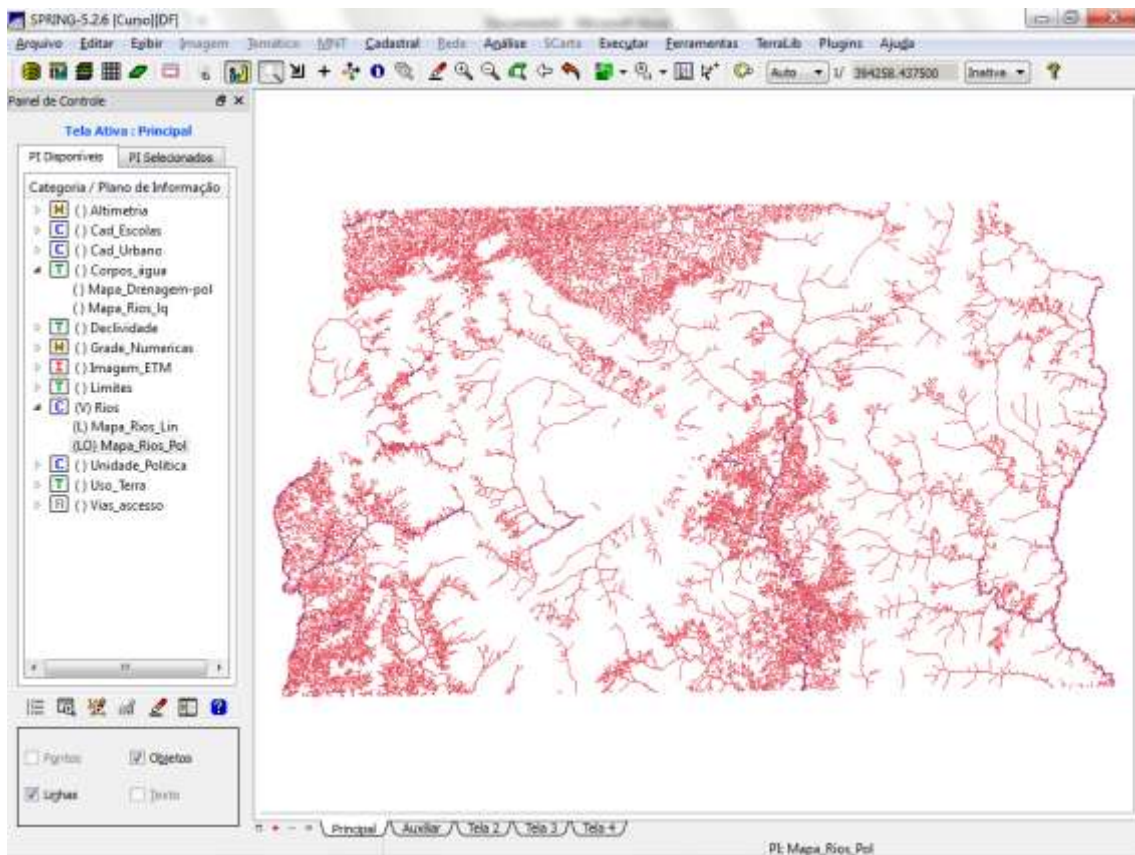
Exercício 2 – Importando Limite do Distrito Federal



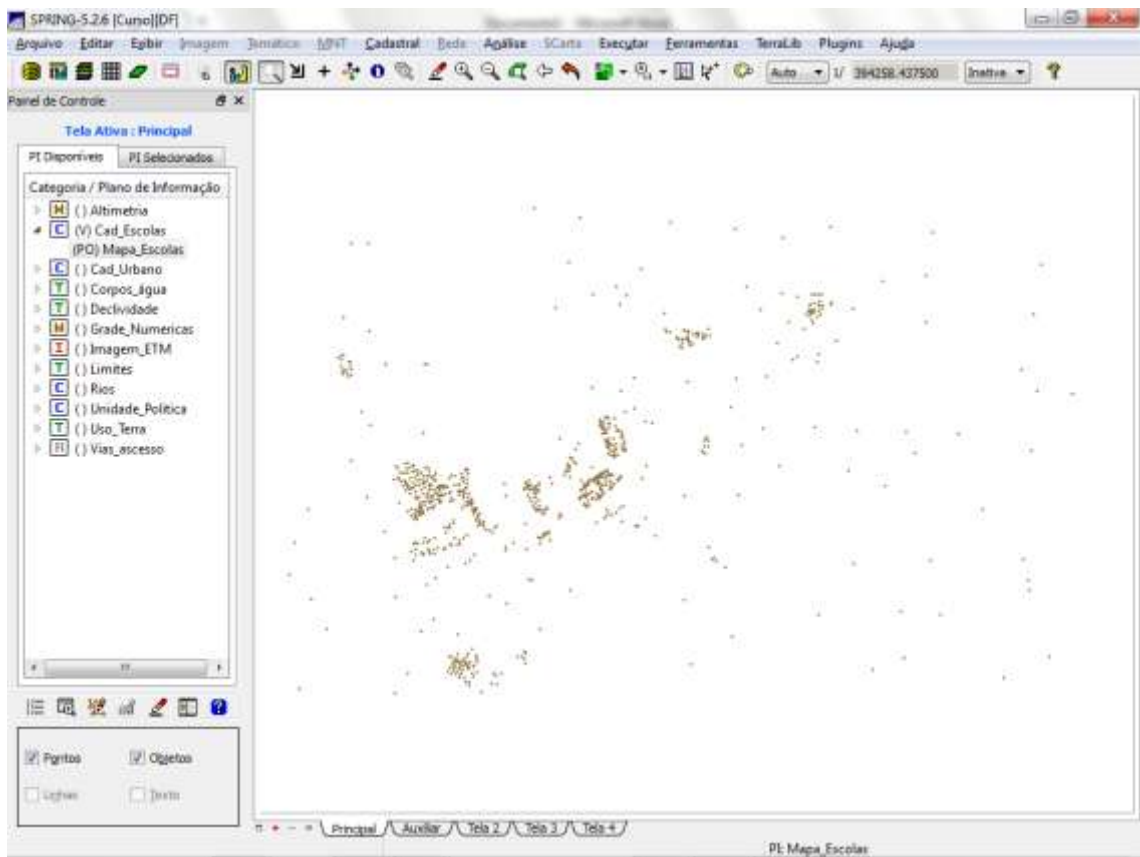
Exercício 3 – Importando Corpos de Água



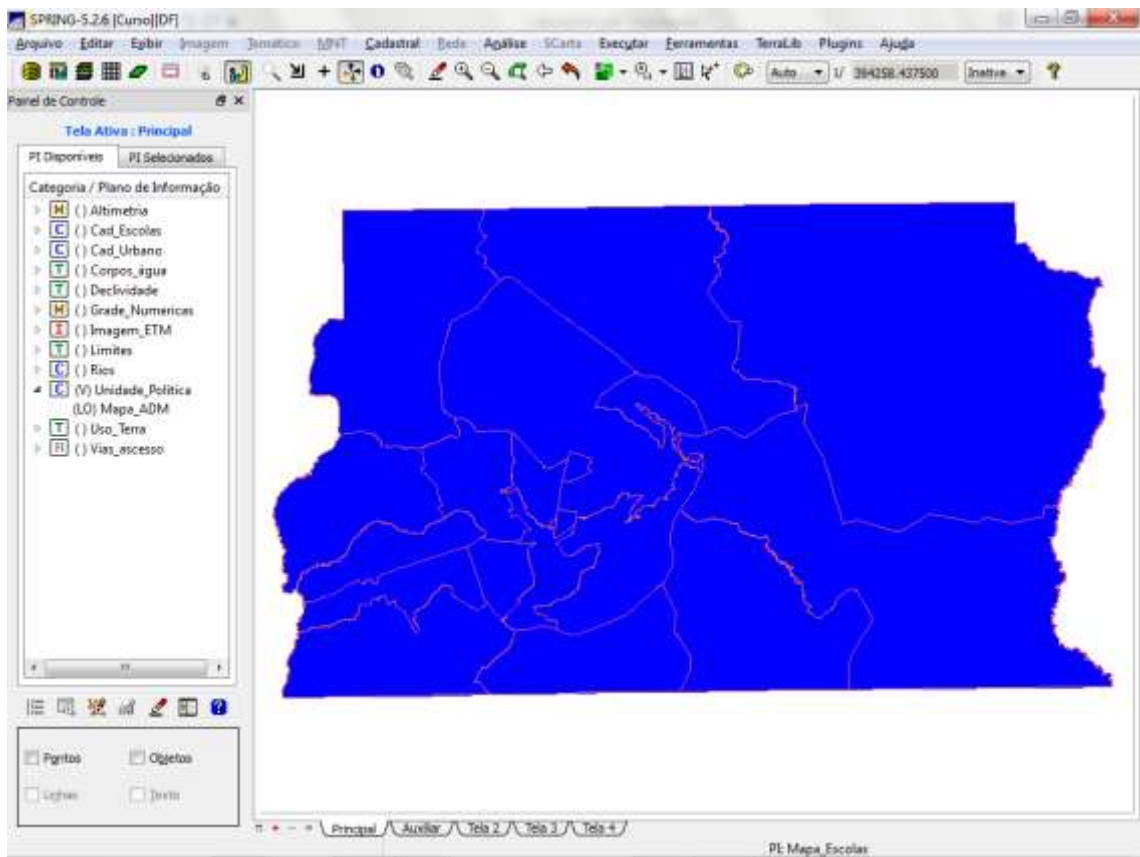
Exercício 4 – Importando Rios de arquivo Shape



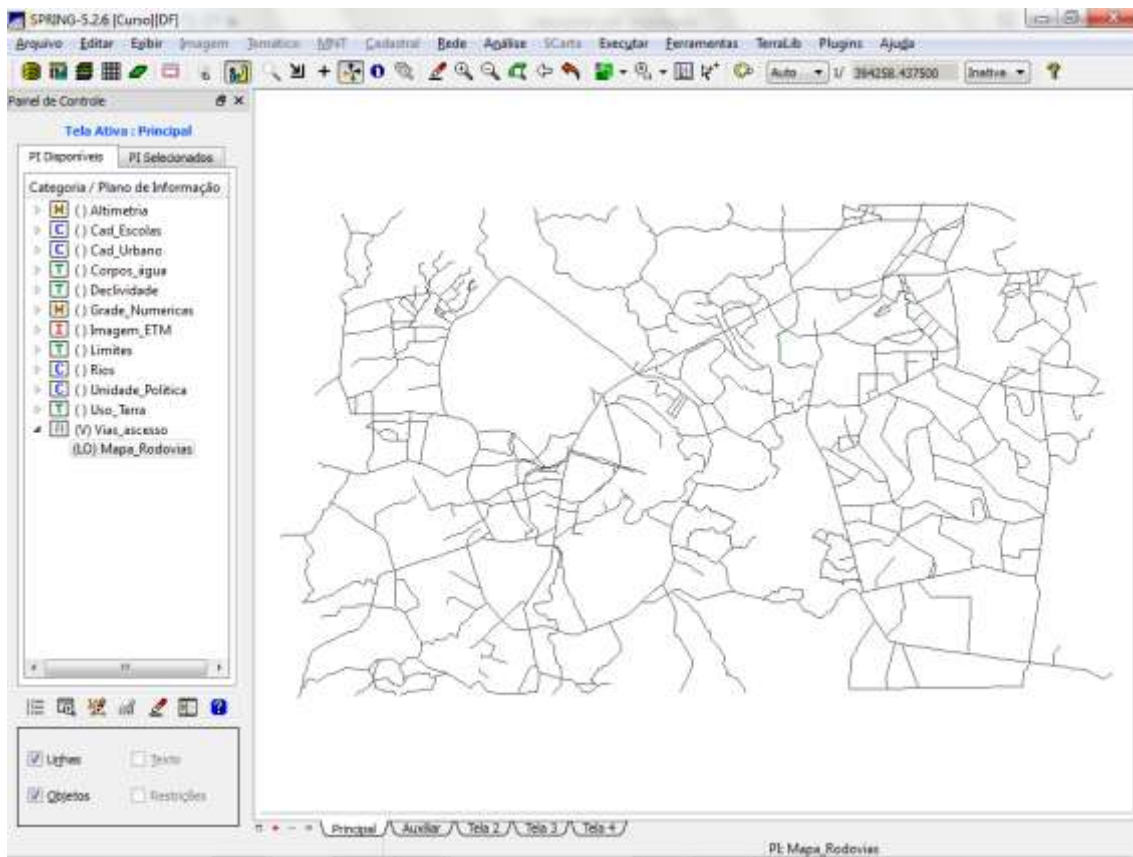
Exercício 5 – Importando Escolas de arquivo Shape



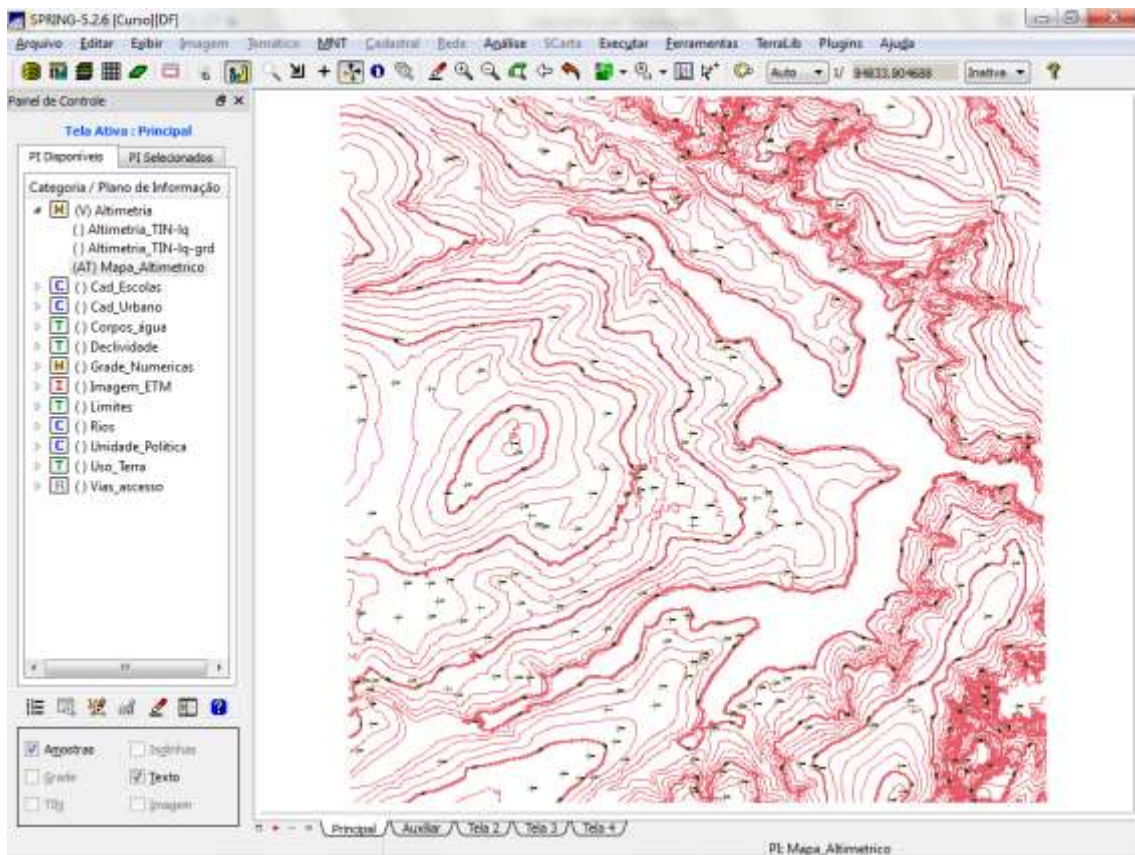
Exercício 6 – Importando Regiões Administrativas de arquivos ASCII-SPRING



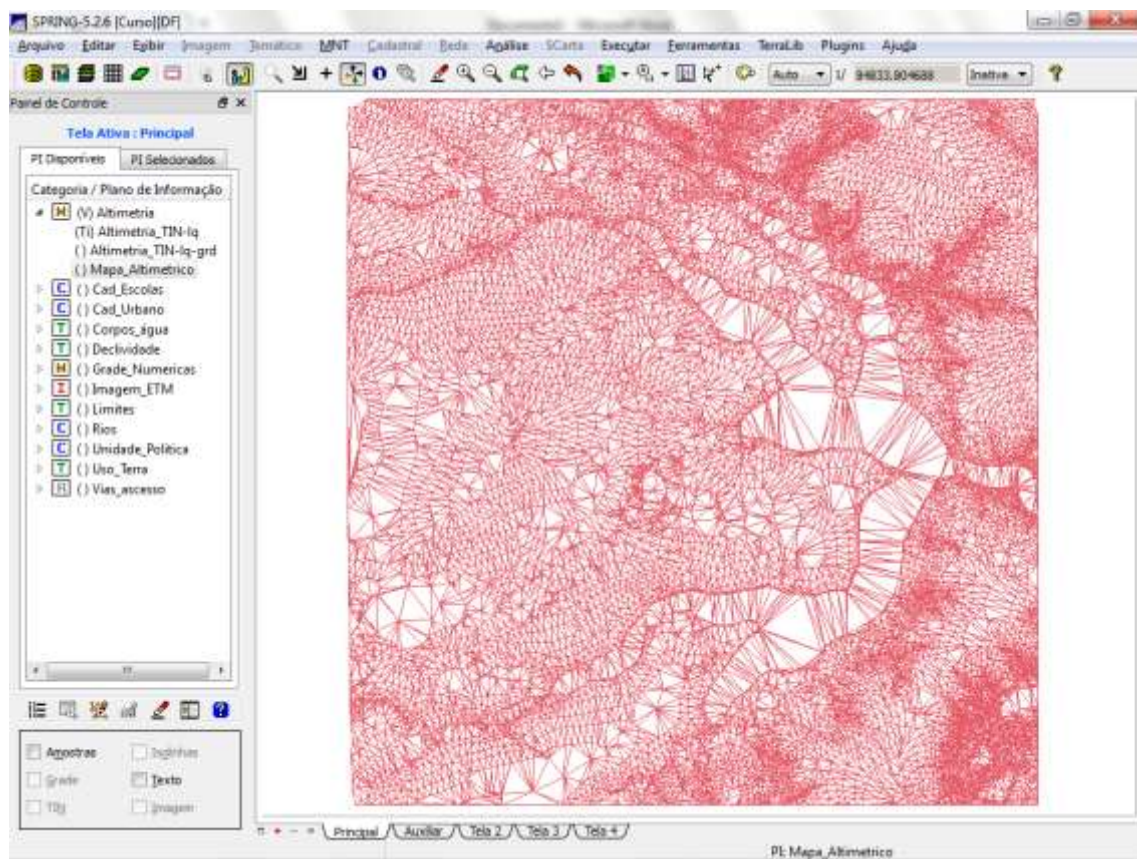
Exercício 7 – Importando Rodovias de arquivos ASCII-SPRING



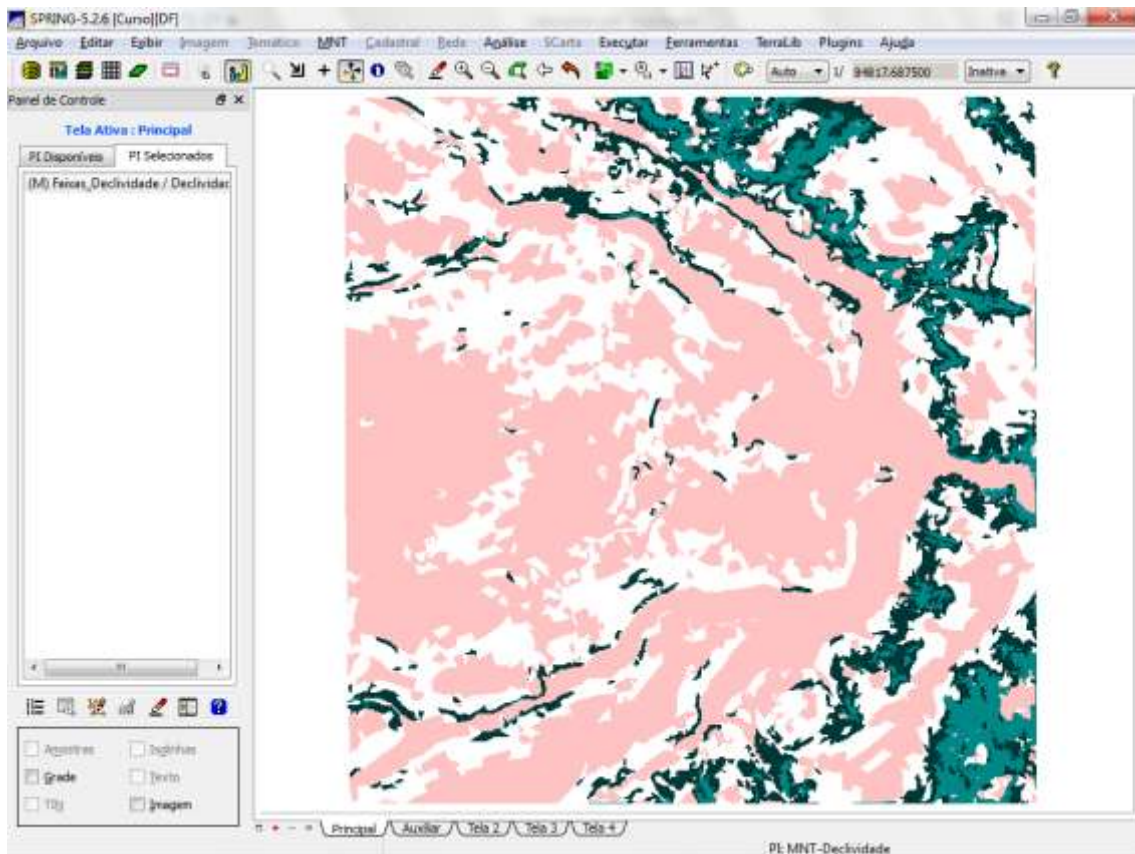
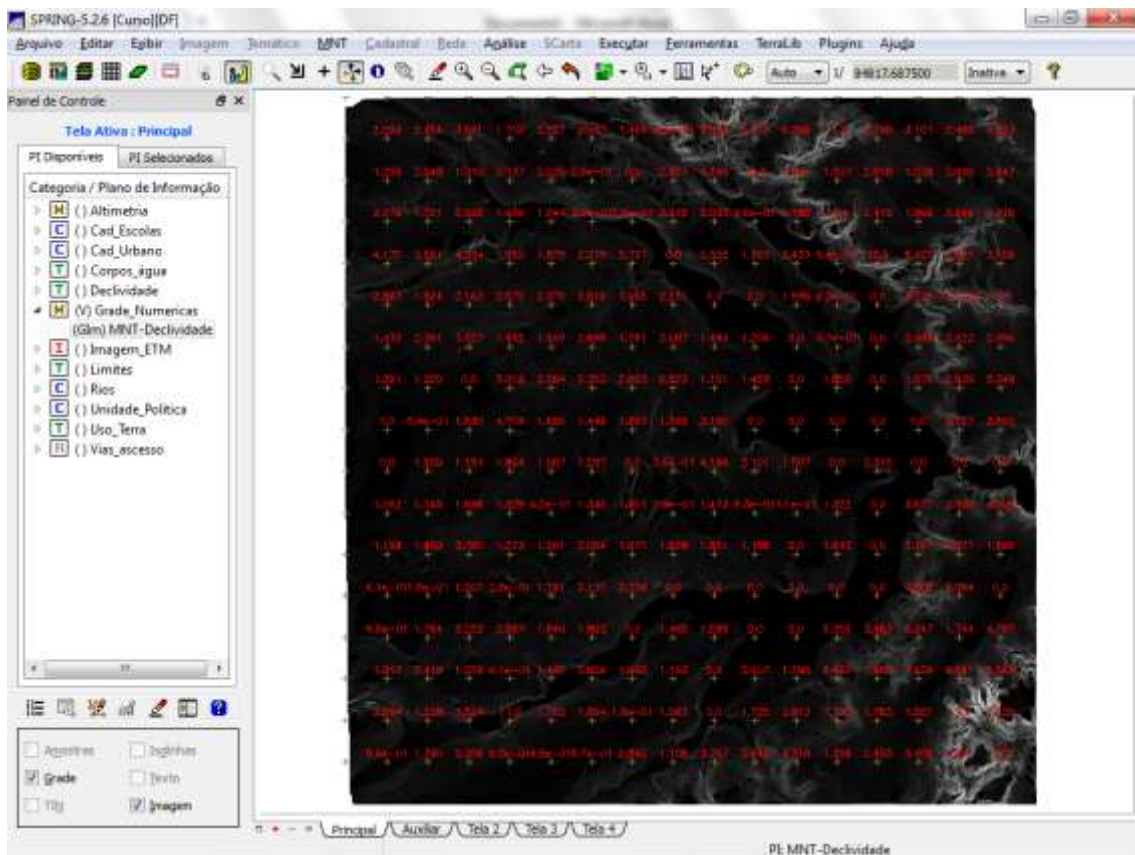
Exercício 8 – Importando Altimetria de arquivos DXF



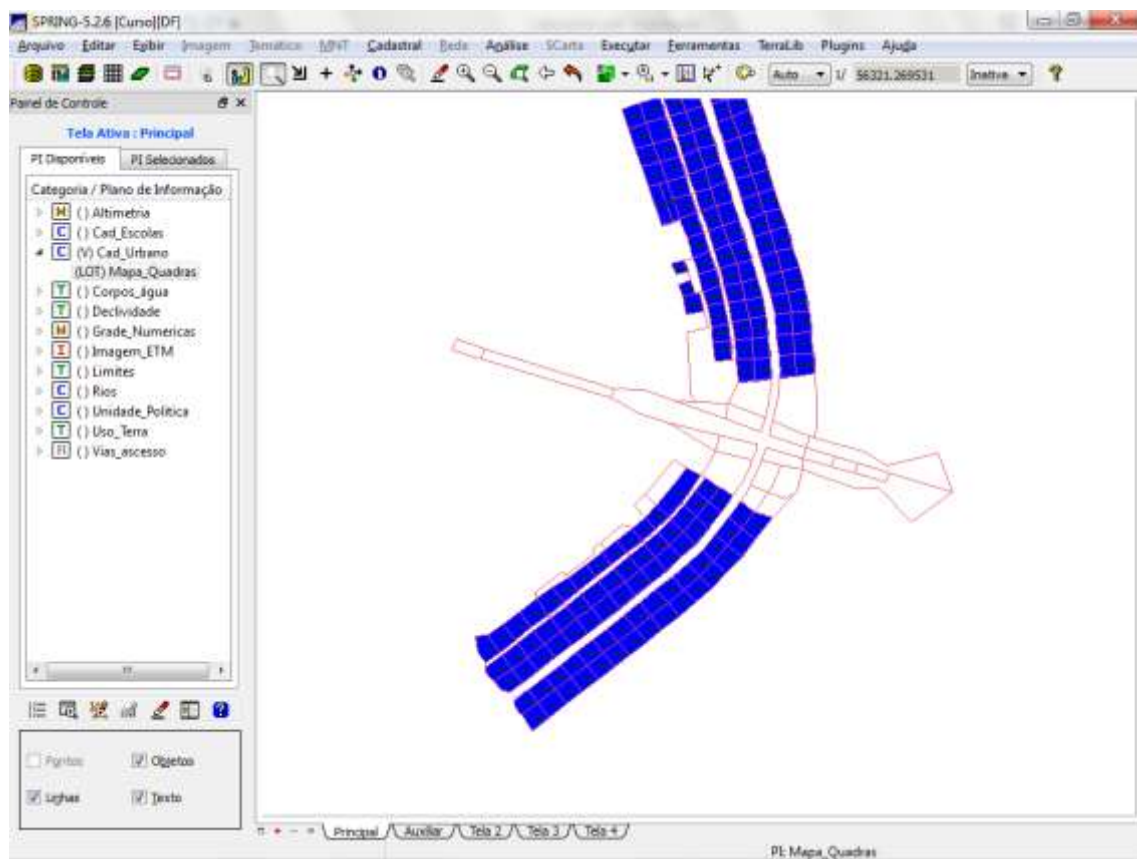
Exercício 9 - Gerar grade triangular- TIN



Exercício 11 - Geração de Grade de Declividade e Fatiamento



Exercício 12 - Criar Mapa Quadras de Brasília



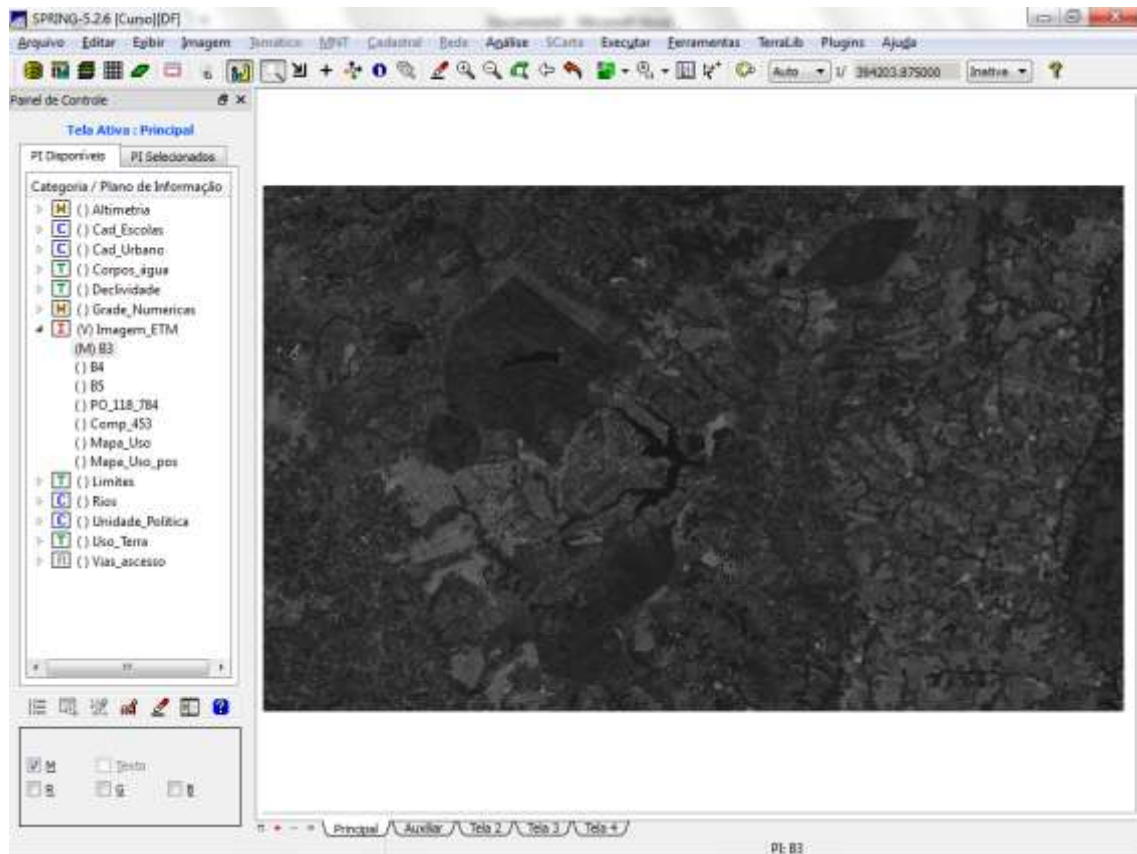
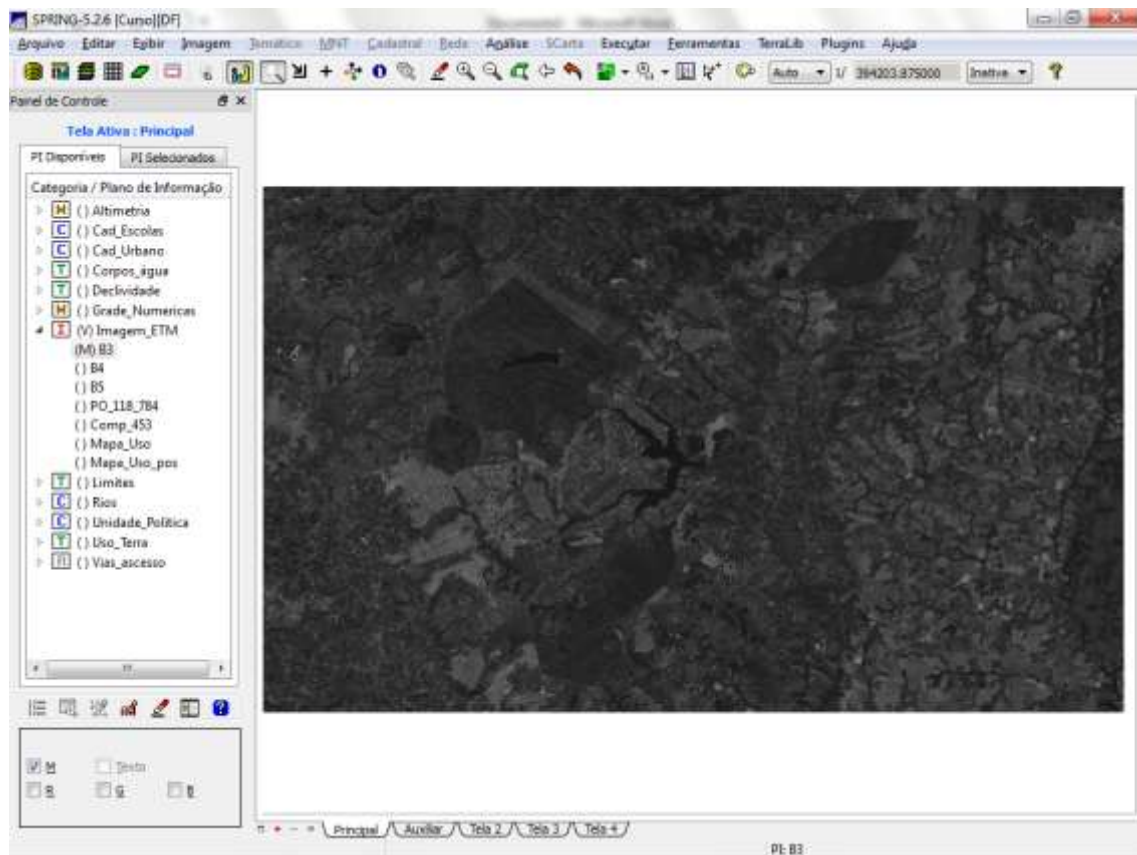
Exercício 13 – Atualização de Atributos utilizando o LEGAL

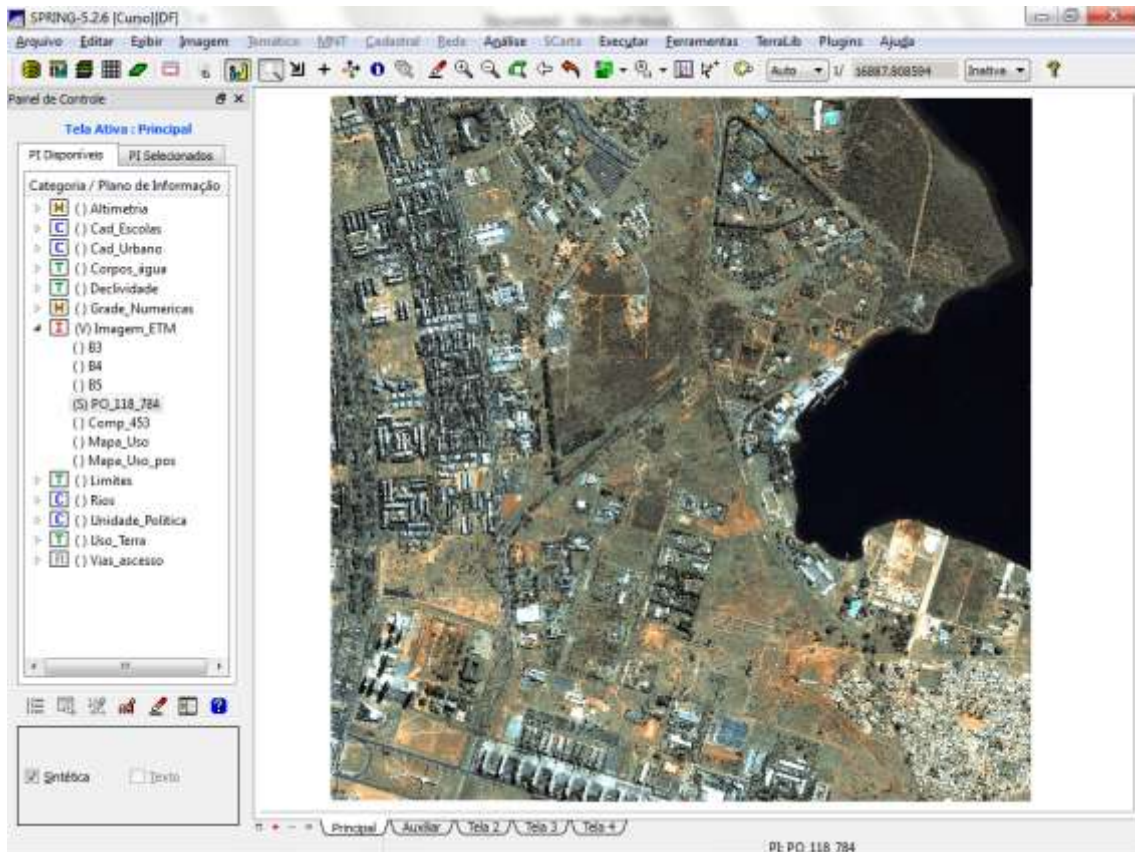
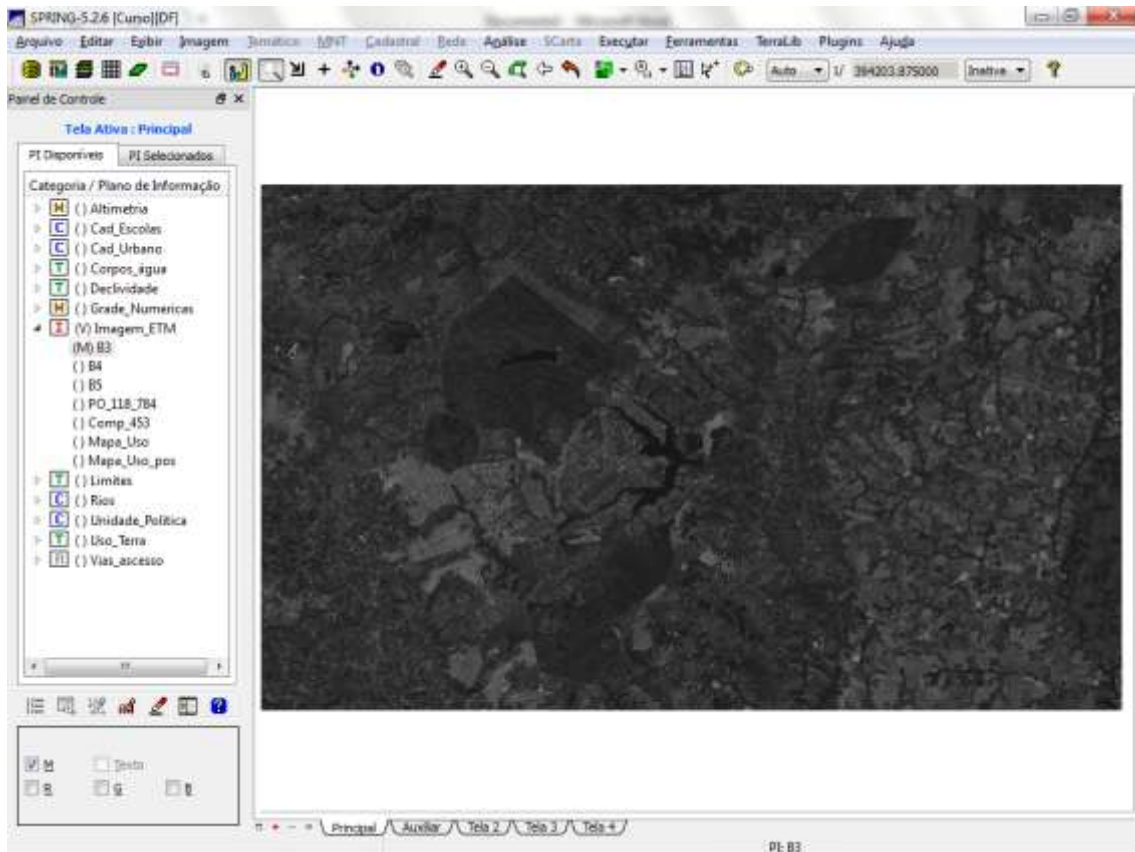
The screenshot shows the SPRING-5.2.6 software interface. The main window displays a map with a grid of blue blocks and red lines representing roads. The interface includes a menu bar, a toolbar, and a control panel on the left. The control panel shows the active layer as 'PI Mapa_Quadras'. A 'Visualização de Objetos' window is open, showing a list of objects with 'Quadras' selected. Below the map is a 'Tabela' (Table) window displaying a list of blocks with their attributes. The 'MDECLV' column is highlighted in yellow.

ID	NOME	ROTULO	AREA	RMETR	ASA	USO	NUM_MOV	POPULAC	MDECLV
1	35996 SQN-102	SQN-102	11077...	1345.5...	NORTE	Hotelaria	12	3500	2.433731
2	35997 SQN-103	SQN-103	11008...	1336.1...	NORTE	Público	15	250	1.999323
3	35998 SQN-104	SQN-104	10490...	1310.8...	NORTE	Público	18	300	2.496247
4	35999 SQN-105	SQN-105	10652...	1305.8...	NORTE	Público	100	400	1.882608
5	36000 SQN-106	SQN-106	10369...	1279.4...	NORTE	Residencial	120	500	2.612750
6	36001 SQN-107	SQN-107	95459...	1248.9...	NORTE	Residencial	35	140	1.982568
7	36002 SQN-108	SQN-108	10635...	1323.4...	NORTE	Residencial	24	100	1.774788
8	36003 SQN-109	SQN-109	10437...	1301.0...	NORTE	Residencial	24	120	1.913394
9	36004 SQN-110	SQN-110	11319...	1351.4...	NORTE	Residencial	30	120	1.967760
10	36005 SQN-111	SQN-111	11745...	1340.5...	NORTE	Residencial	30	150	1.622281

PI Mapa_Quadras

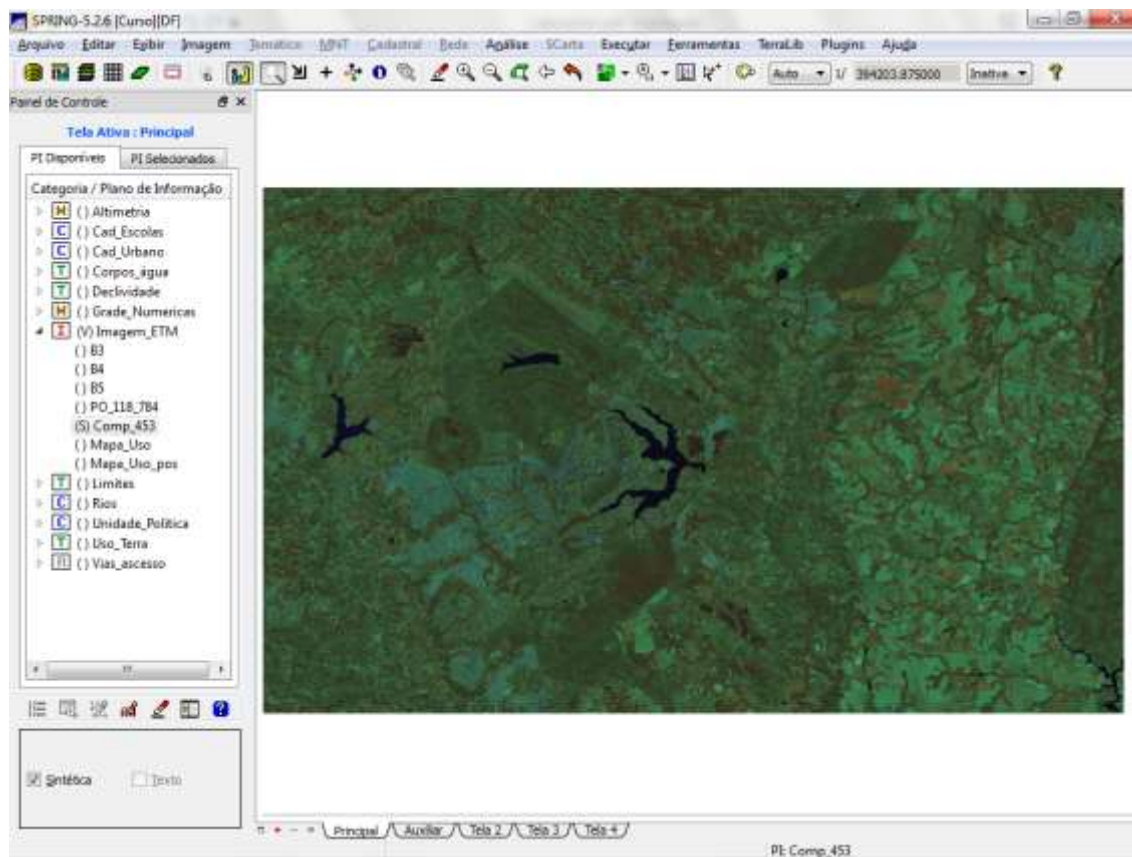
Exercício 14 – Importação de Imagem Landsat e Quick-Bird



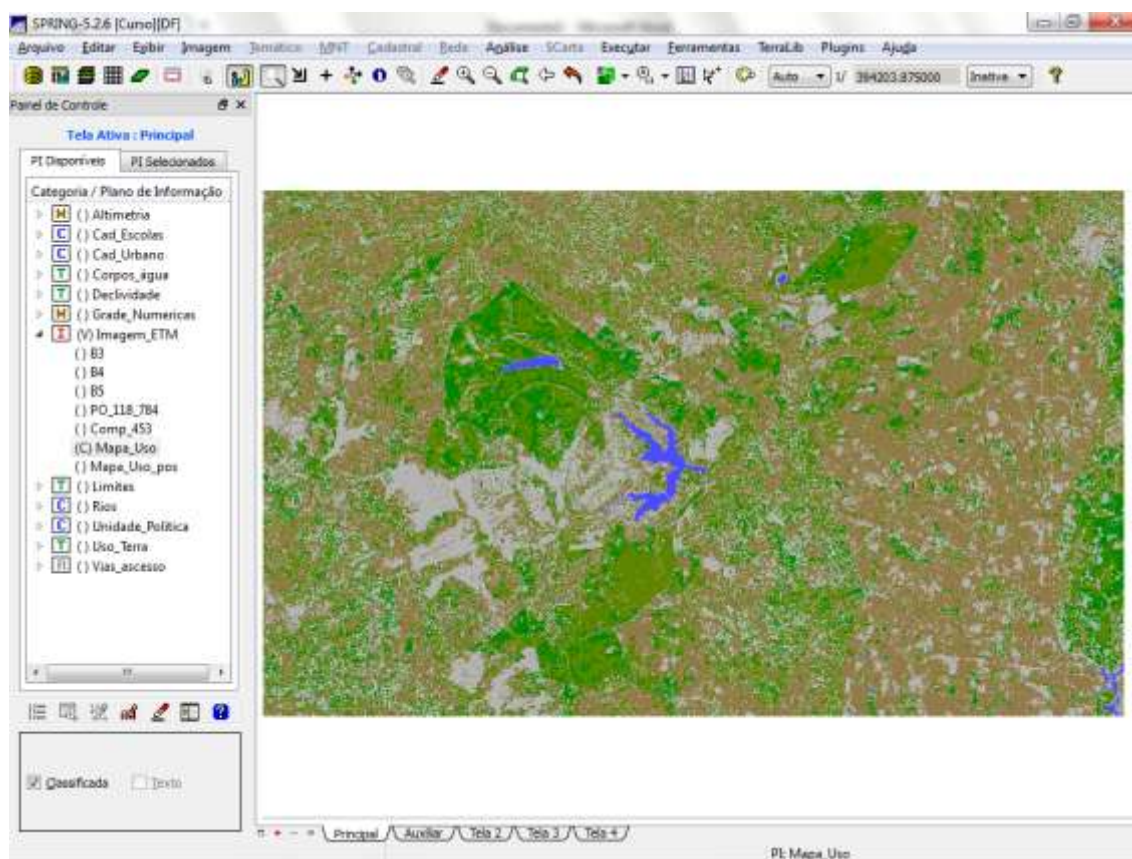


Exercício 15 - Classificação supervisionada por pixel

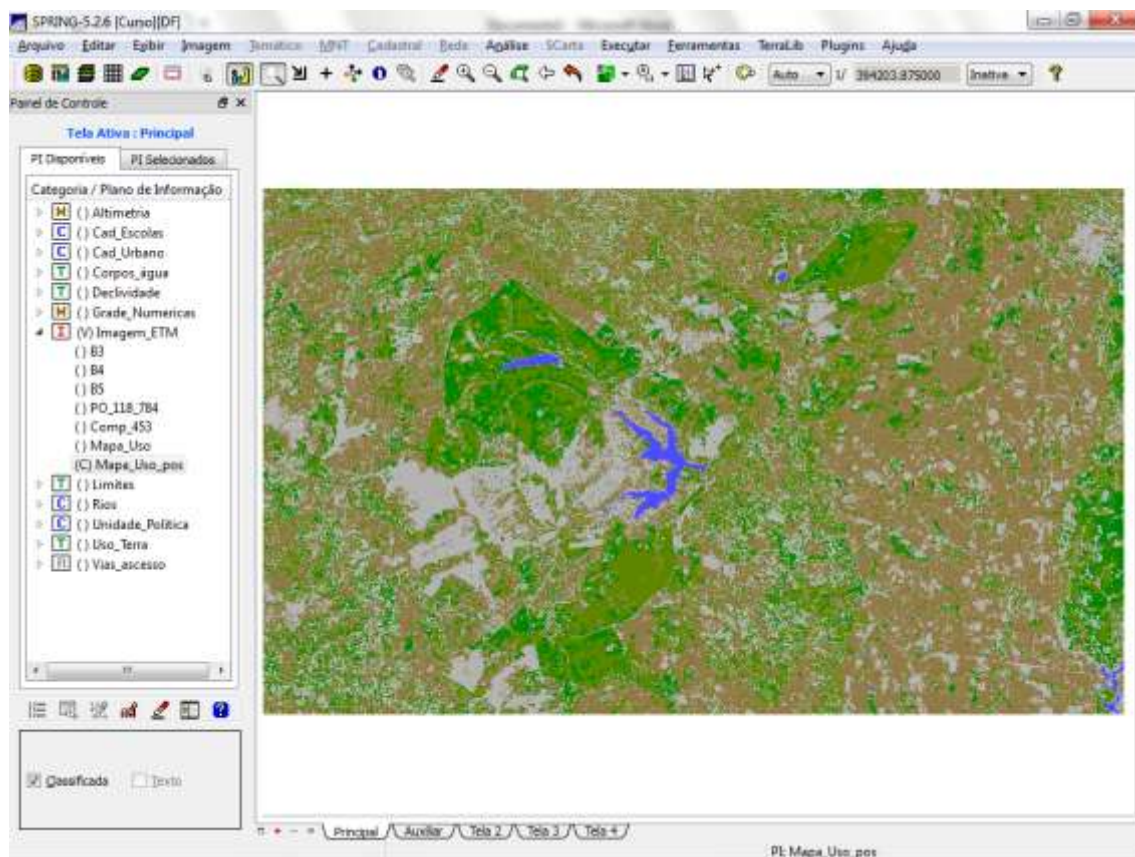
Passo 1 – Criar uma imagem sintética de fundo:



Passo 5 - Classificação da imagem:



Passo 6 - Pós-classificação:



Passo 7 - Mapeamento para o modelo temático:

