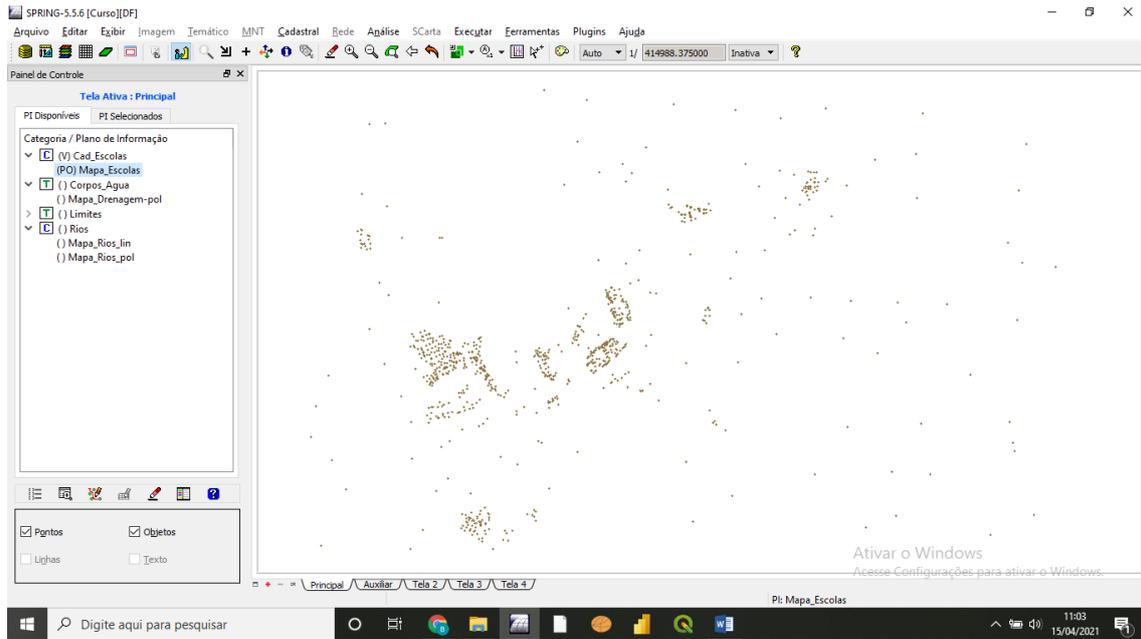
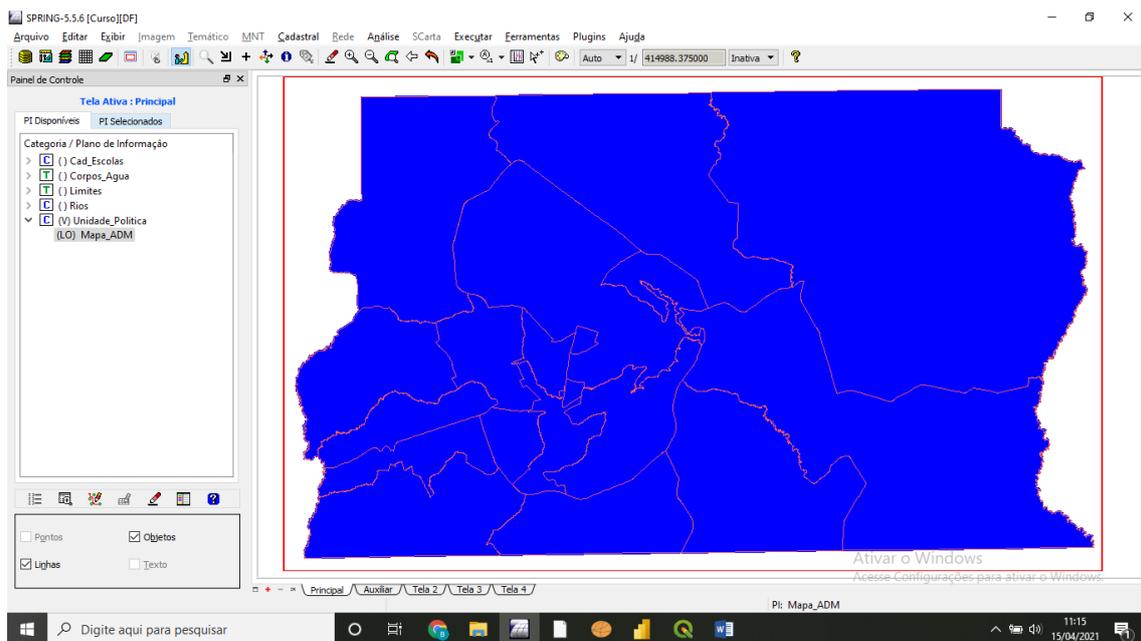


Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



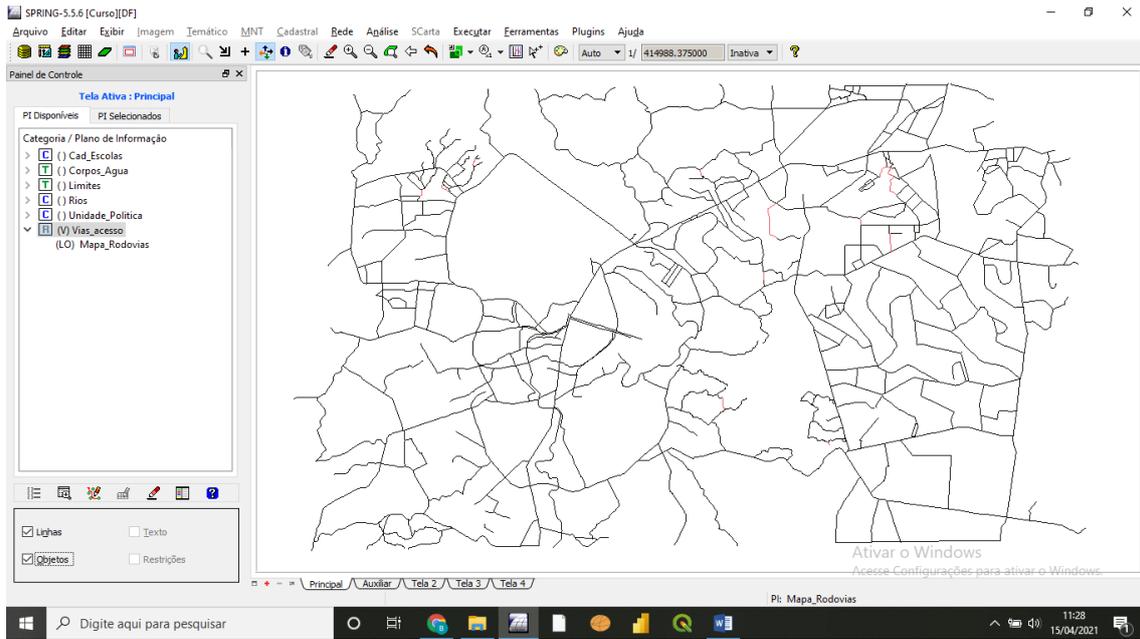
Exercício 5



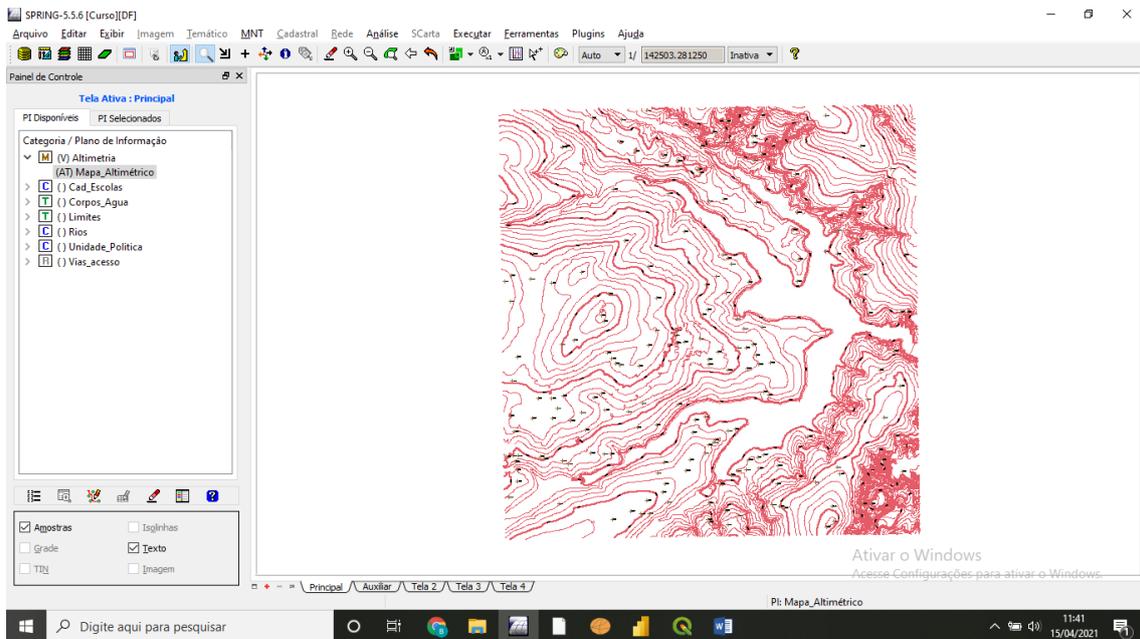
Exercício 6

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



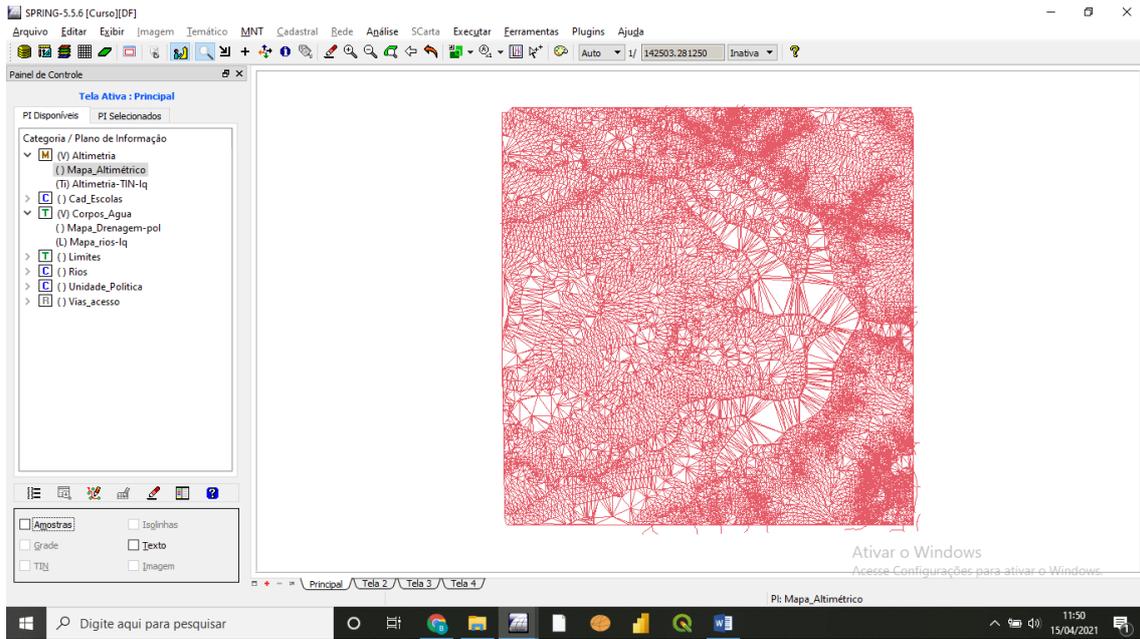
Exercício 7



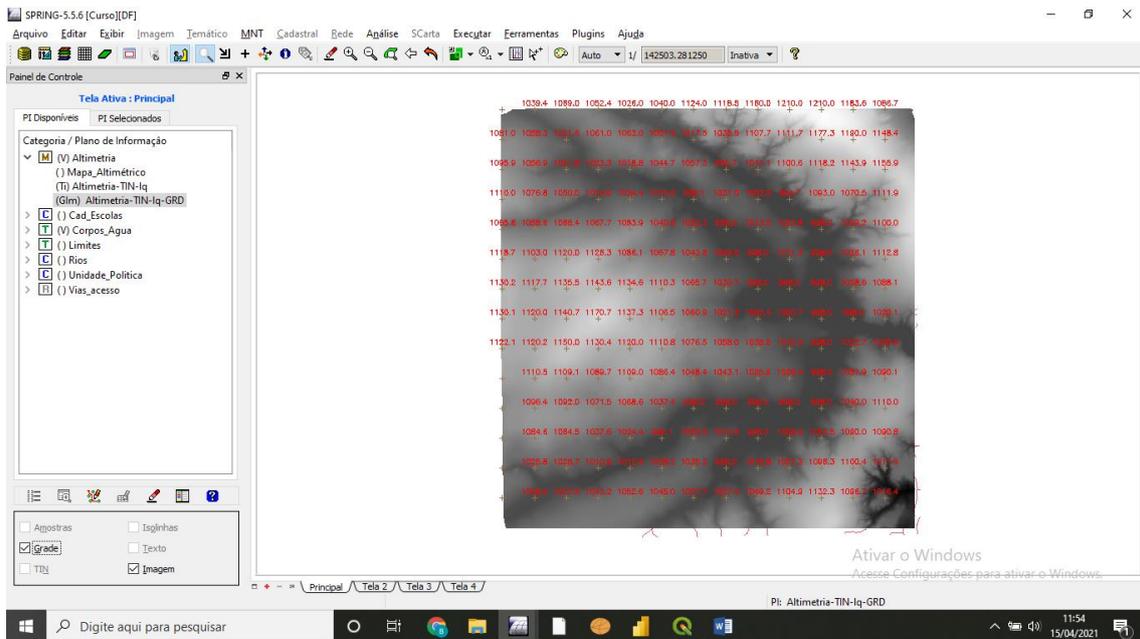
Exercício 8

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



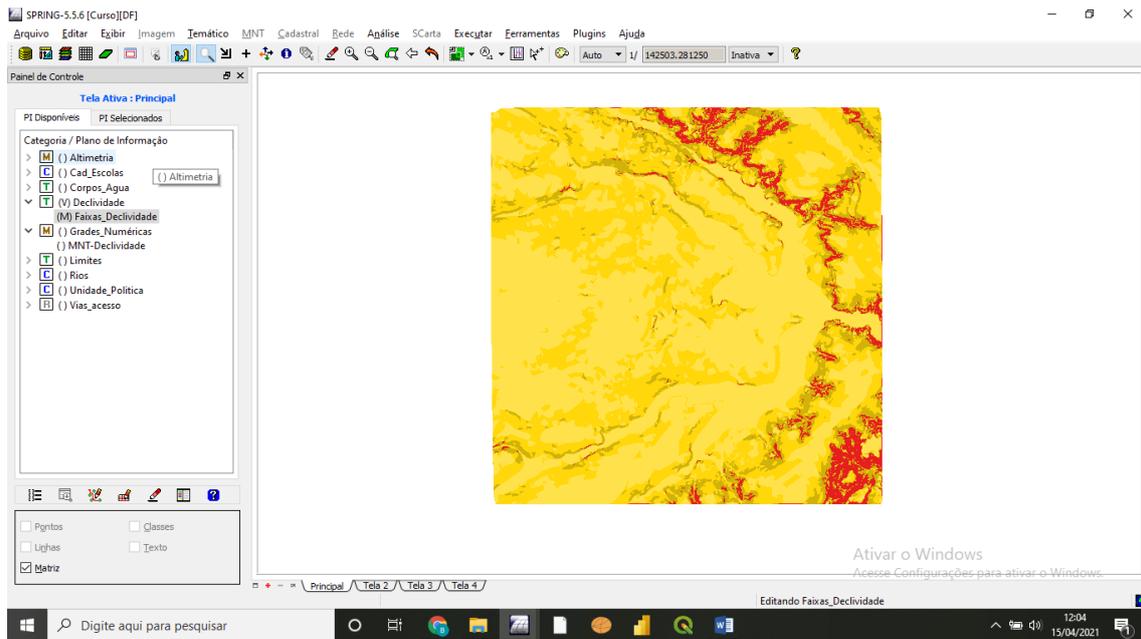
Exercício 9



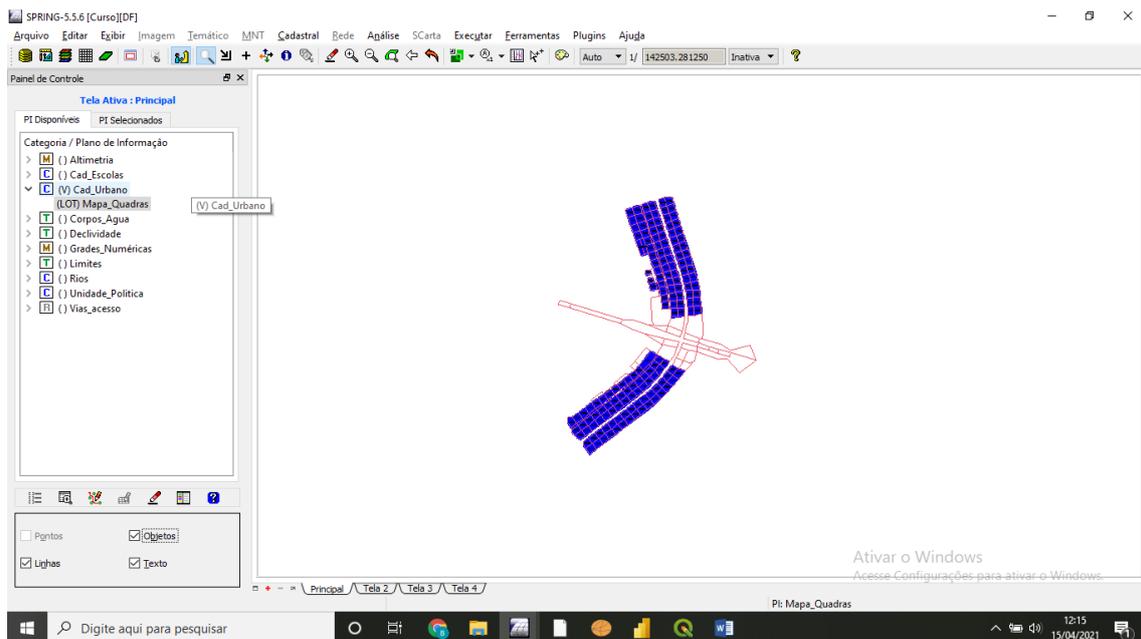
Exercício 10

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



Exercício 11



Exercício 12 p4

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.

The screenshot shows the SPRING-5.6 software interface. The main window displays a map of land parcels, with a grid overlay. The interface includes a menu bar (Arquivo, Editar, Exibir, Imagem, Temático, MNT, Cadastral, Rede, Análise, SCarta, Executar, Ferramentas, Plugins, Ajuda), a toolbar, and a control panel on the left. The control panel shows the active layer as 'Mapa_Quadras'. Below the map is a data table with the following columns: ID, NOME, ROTULO, AREA, RIMETR, ASA, USO, UM_IMC, and OPULAC.

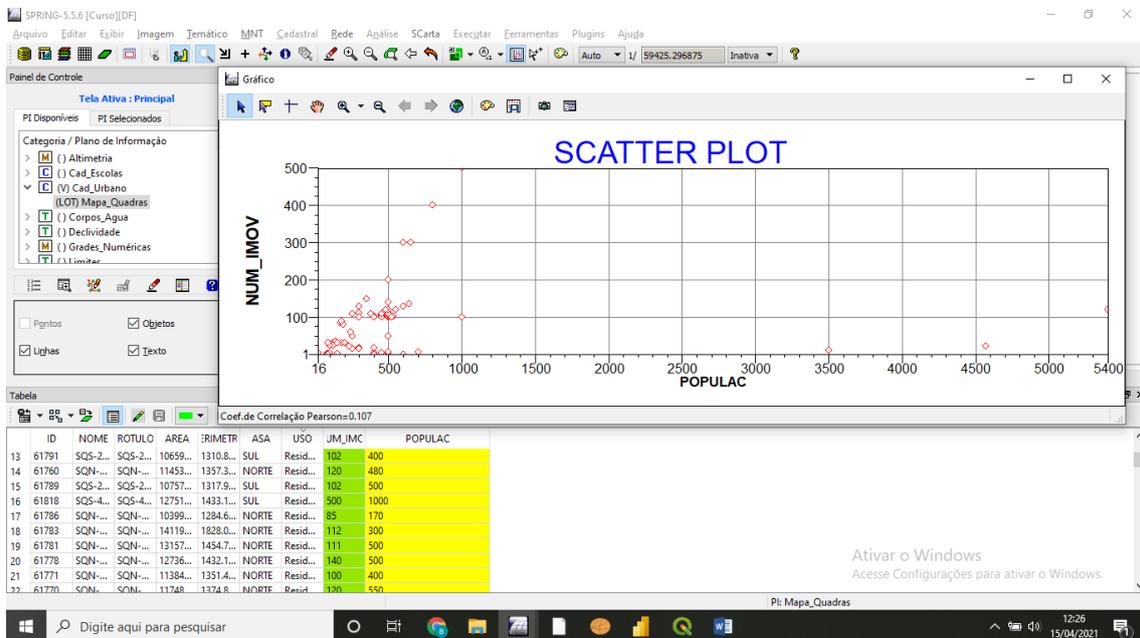
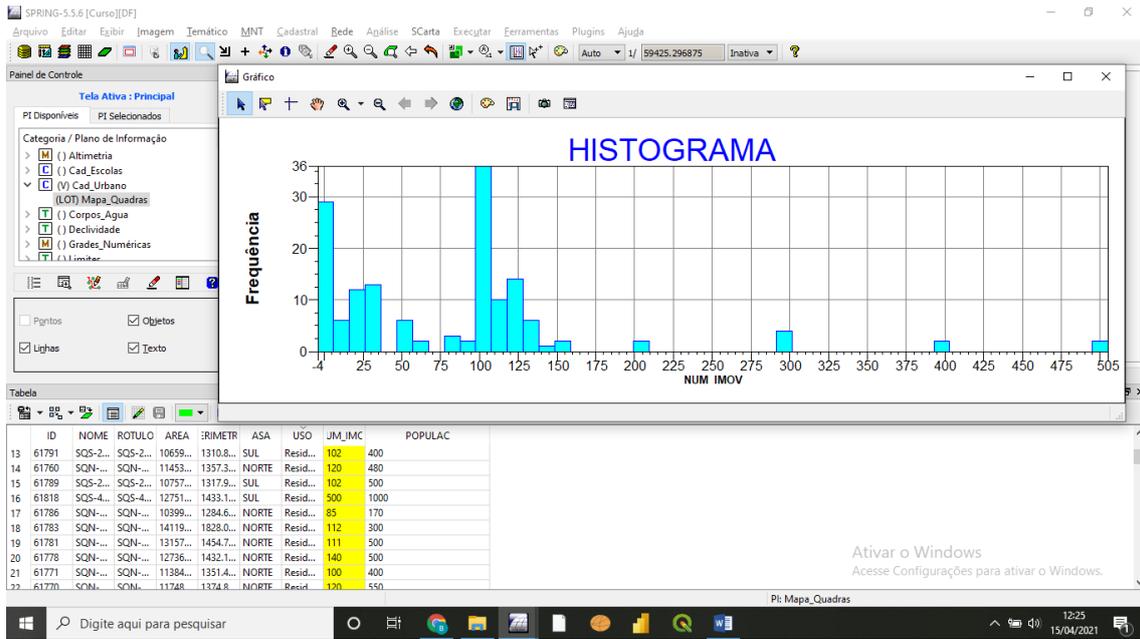
ID	NOME	ROTULO	AREA	RIMETR	ASA	USO	UM_IMC	OPULAC
13	61746	SQN...	10536...	1300.1...	NORTE	Come...	18	400
14	61747	SQN...	11692...	1372.4...	NORTE	Resid...	30	180
15	61748	SQN...	12836...	1439.5...	NORTE	Lazer	5	100
16	61728	SQN...	11125...	1361.4...	NORTE	Come...	120	5400
17	61727	SQN...	10452...	1302.3...	NORTE	Resid...	100	450
18	61726	SQN...	11273...	1351.4...	NORTE	Resid...	103	530
19	61725	SQN...	10872...	1321.1...	NORTE	Hotel...	6	500
20	61724	SQN...	11424...	1358.9...	NORTE	Hospi...	1	600
21	61722	SQN...	11200...	1343.5...	NORTE	Lazer	1	80
22	61723	SQN...	11564...	1366.4...	NORTE	Resid...	100	450

The screenshot shows the SPRING-5.6 software interface with a 'Relatório de Dados' dialog box open. The dialog box displays statistical data for the selected area. The data is as follows:

POPULAC :	
N. AMOSTRAS	156
N. AUSENTES	0
MENINO	16
MEDIANA	400,00000000
MAXIMO	5400
SOMA TOTAL	82936,00000000
MEDIA	531,64102564
D. PADRAO	830,91120916
C. VARIACAO	1,56291778

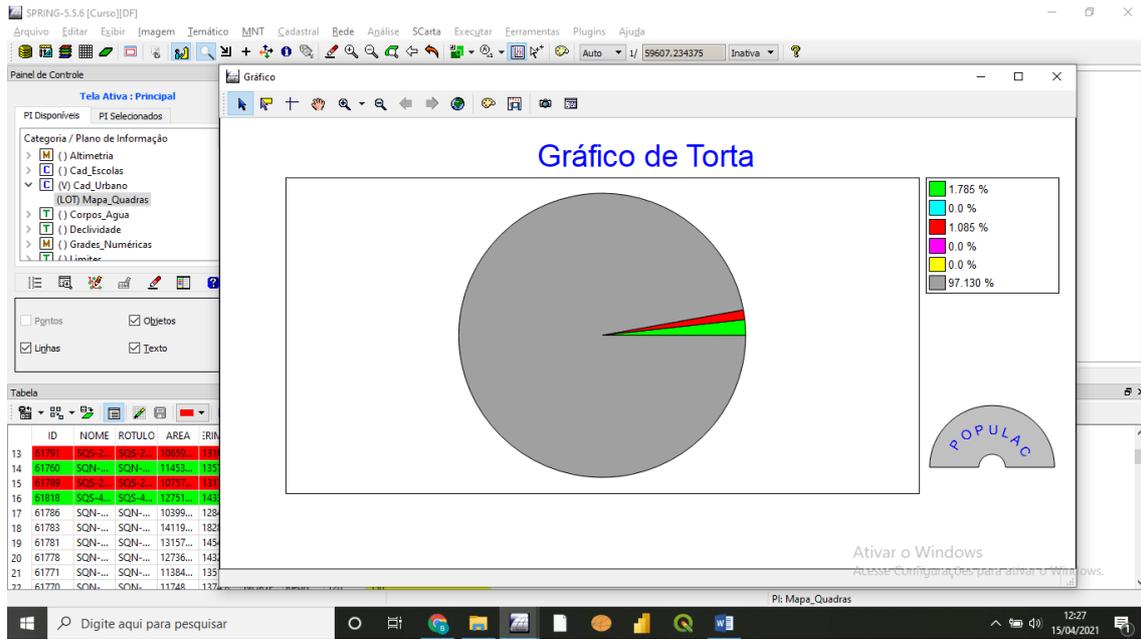
Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.

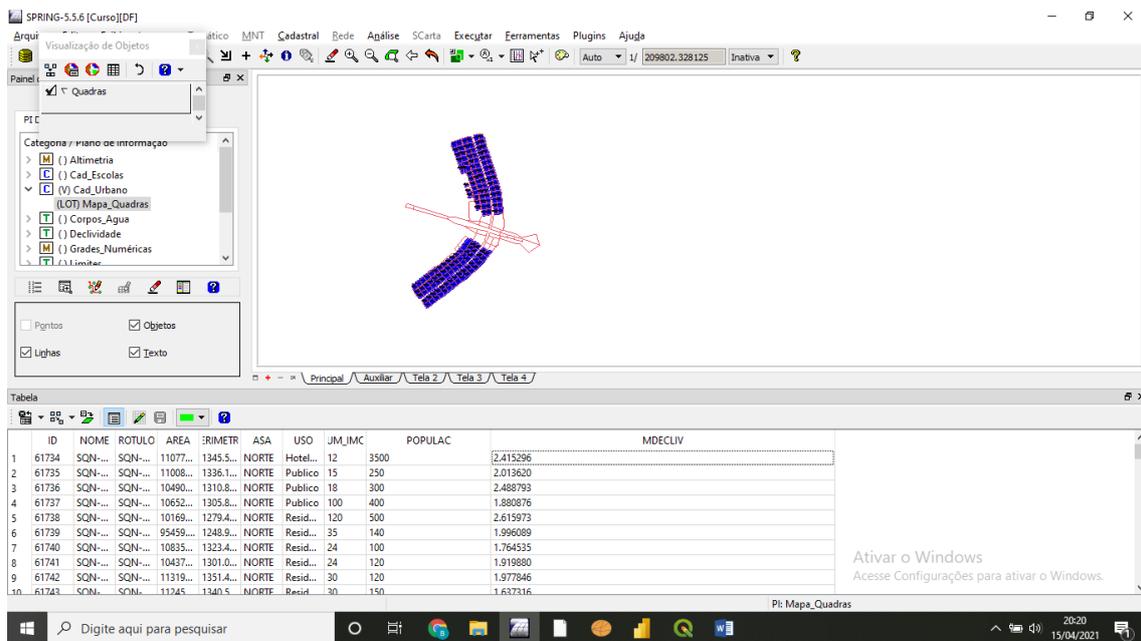


Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



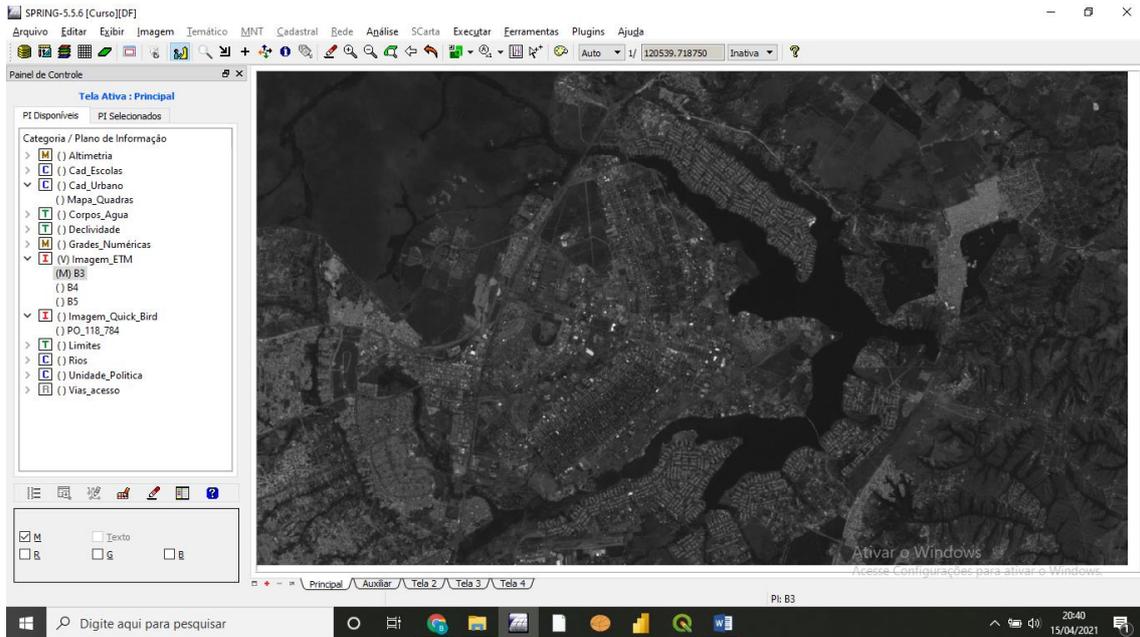
Exercício 12



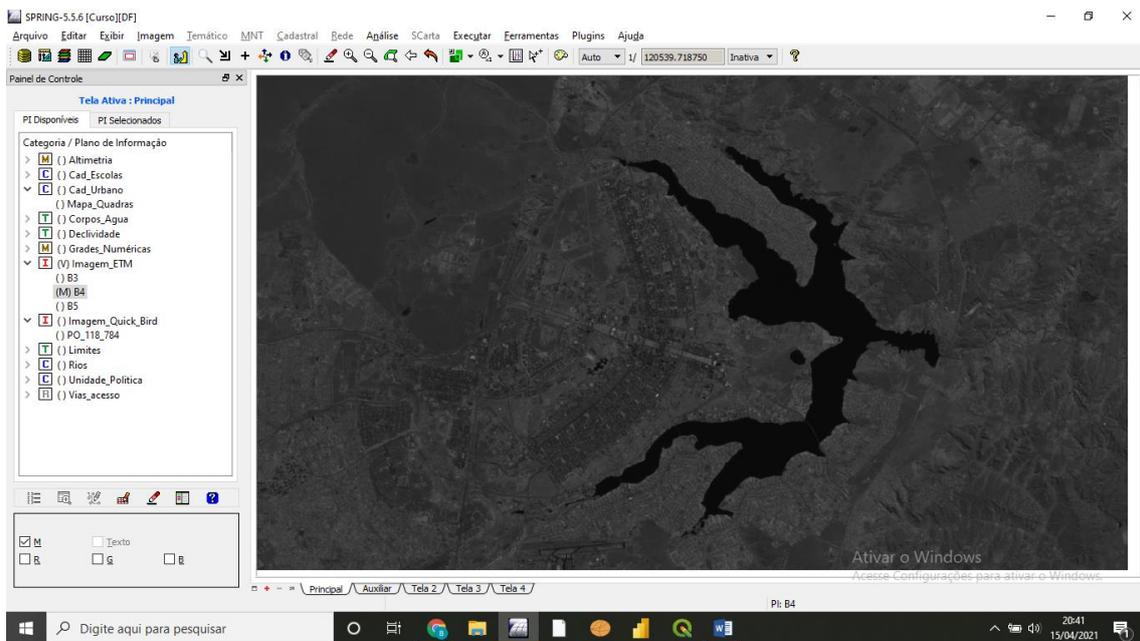
Exercício 13

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



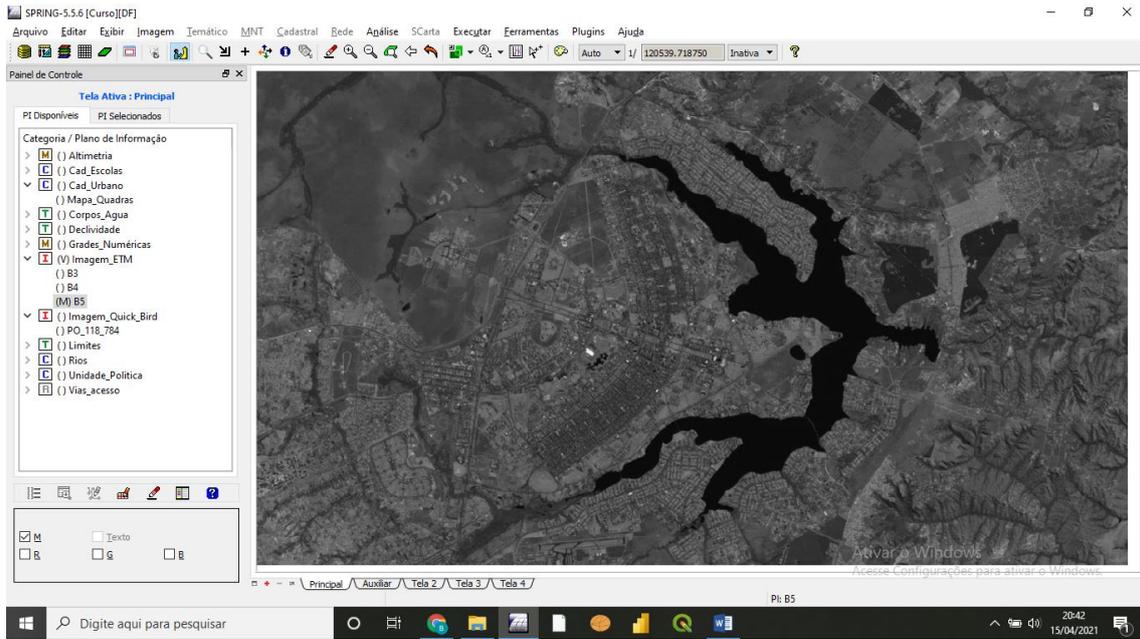
ETM_BAND 3



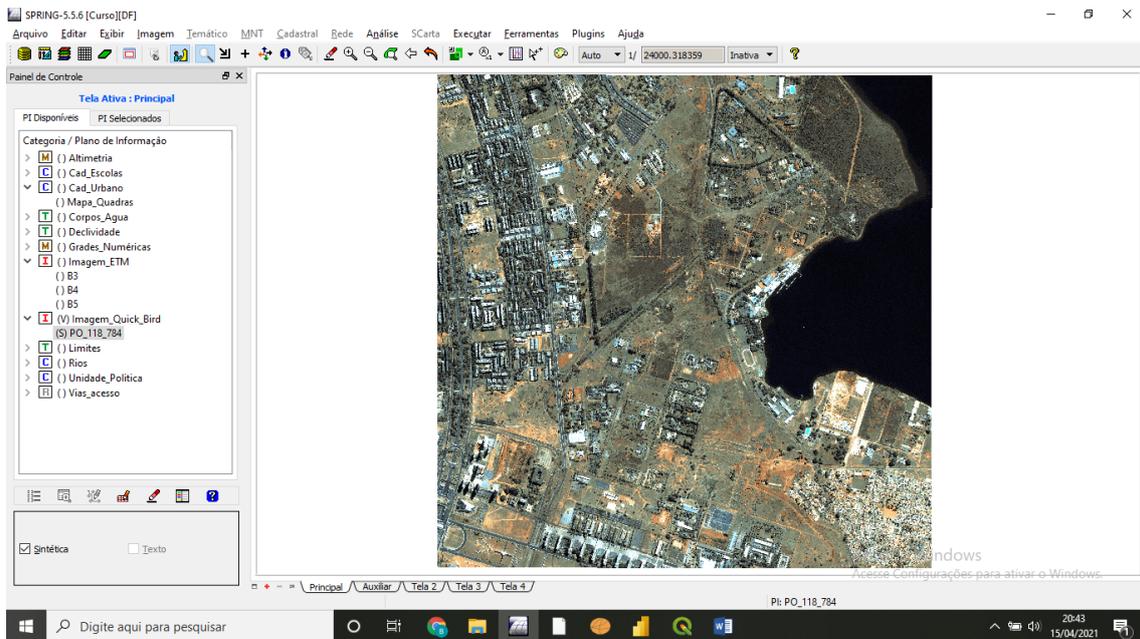
ETM_BAN 4

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



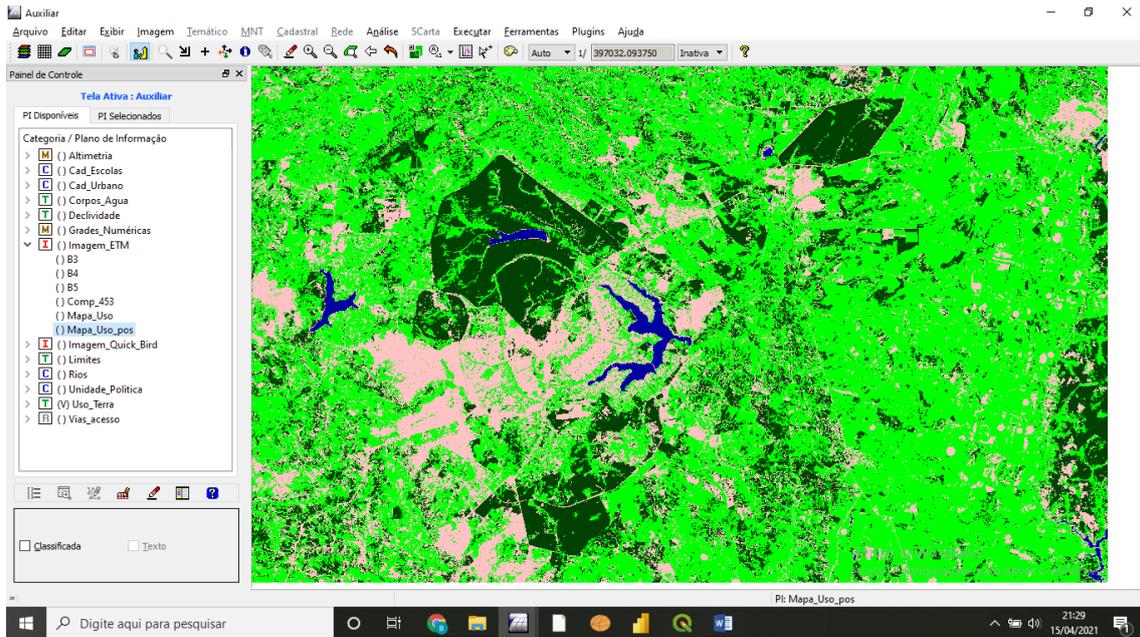
ETM BAND 5



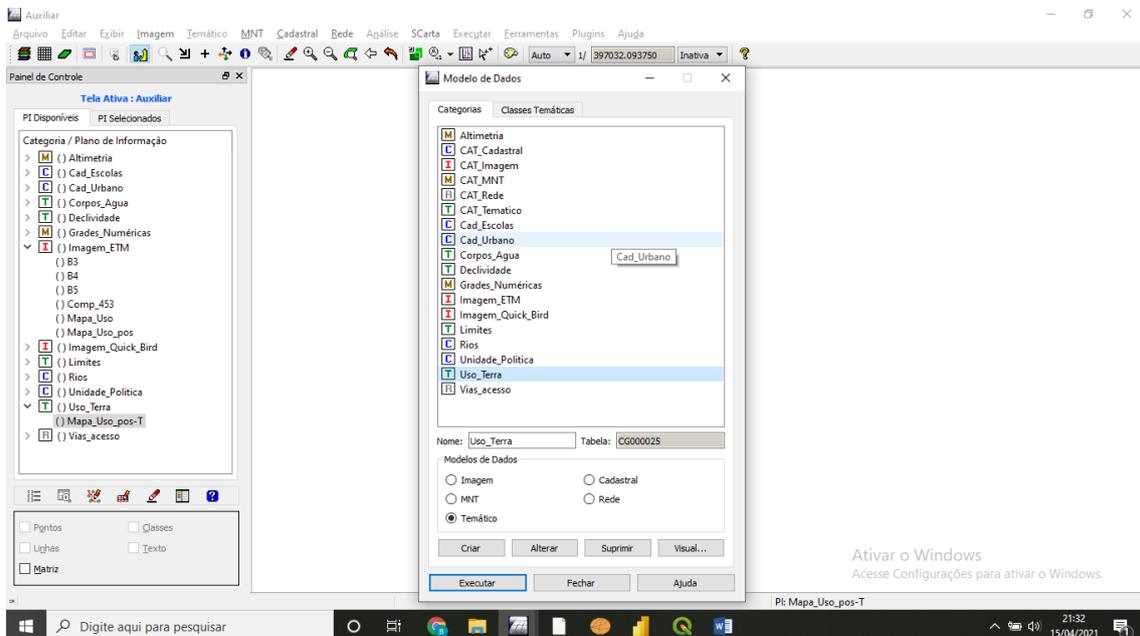
Quickbird. Exercício 14.

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



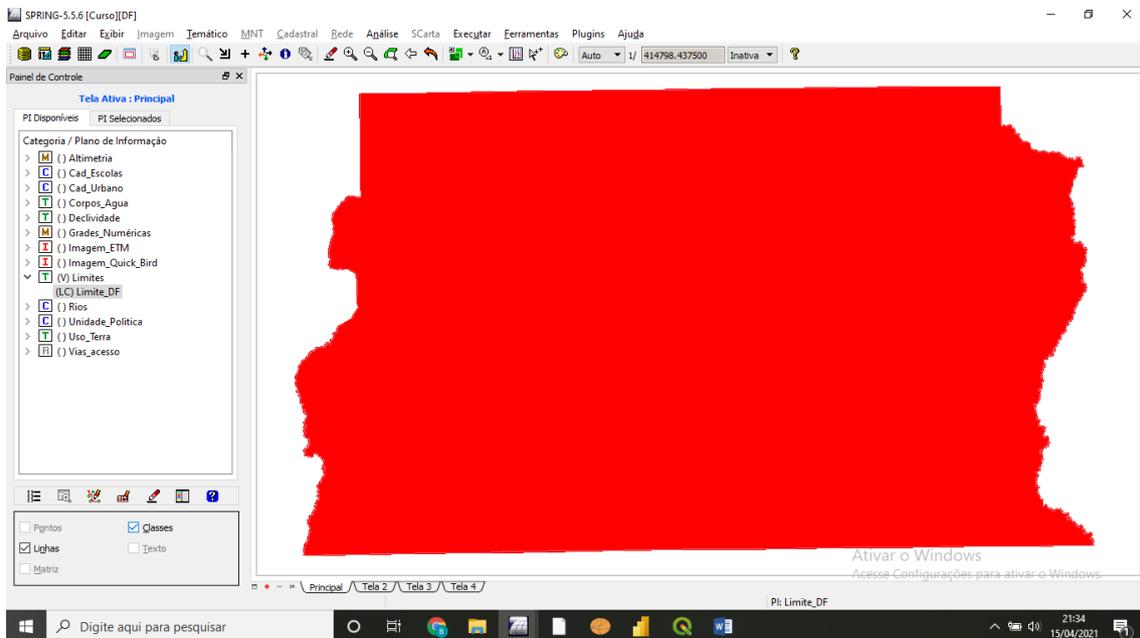
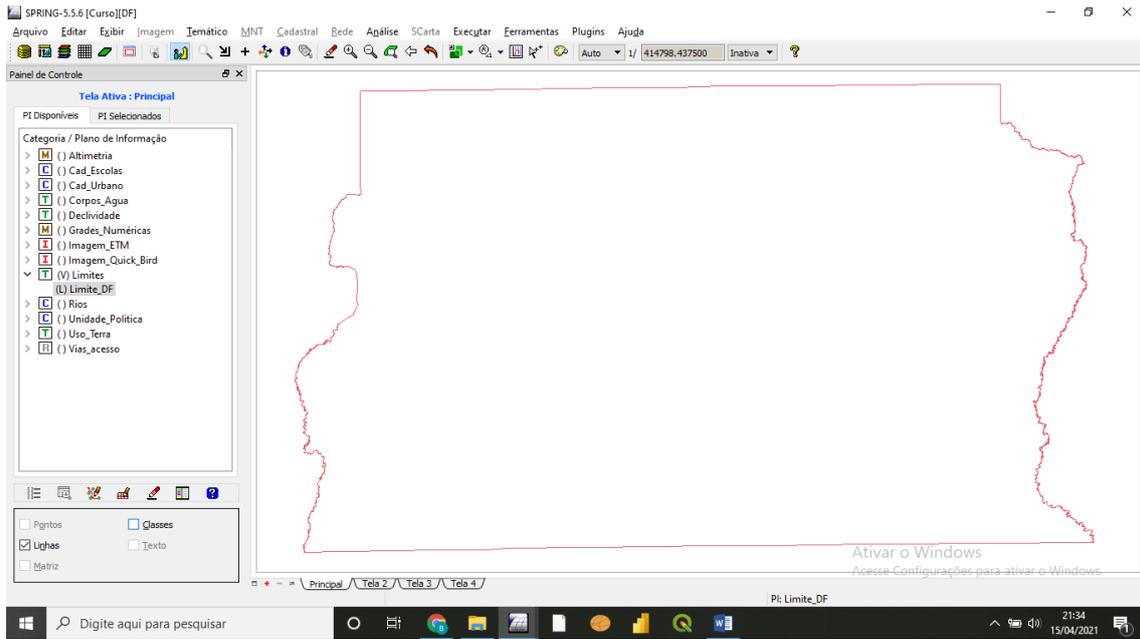
Exercício 15



Exercício 1

Laboratório 1. Aluno: Bruno da Silva Reis.

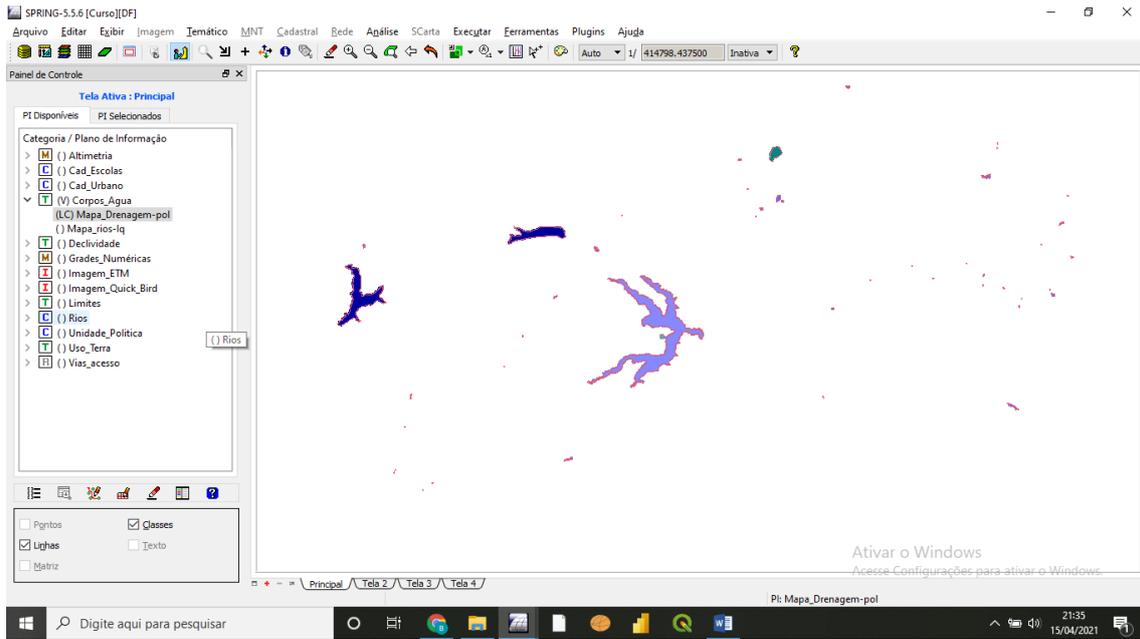
Obs: Exercícios 1 ao 4 estão no final do documento.



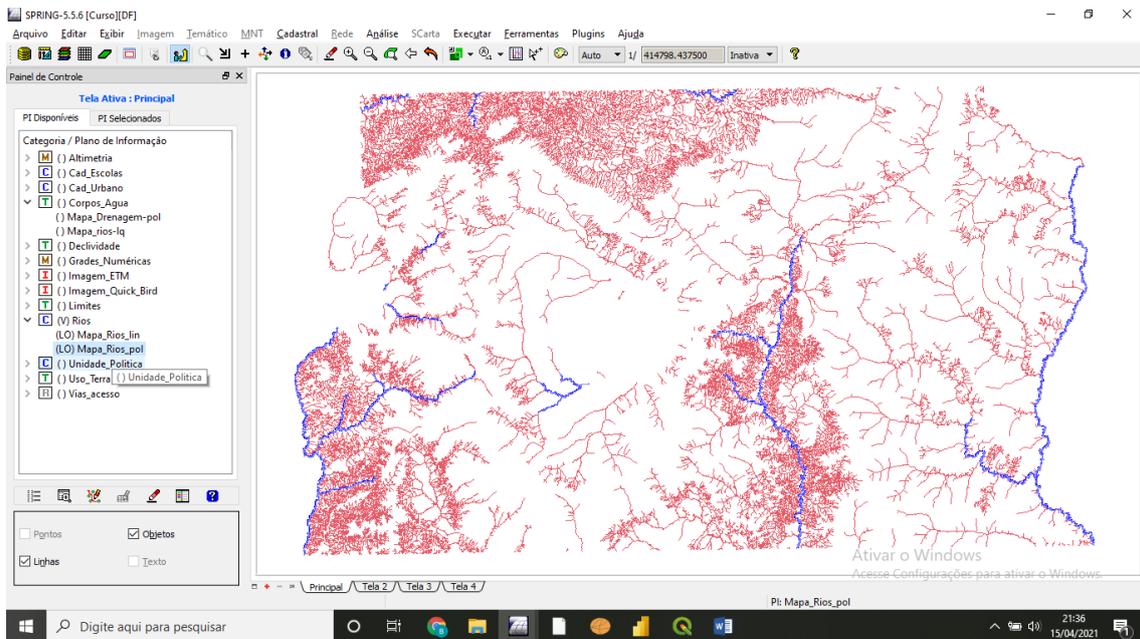
Exercício 2

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.



Exercício 3



Exercício 4

Laboratório 1. Aluno: Bruno da Silva Reis.

Obs: Exercícios 1 ao 4 estão no final do documento.