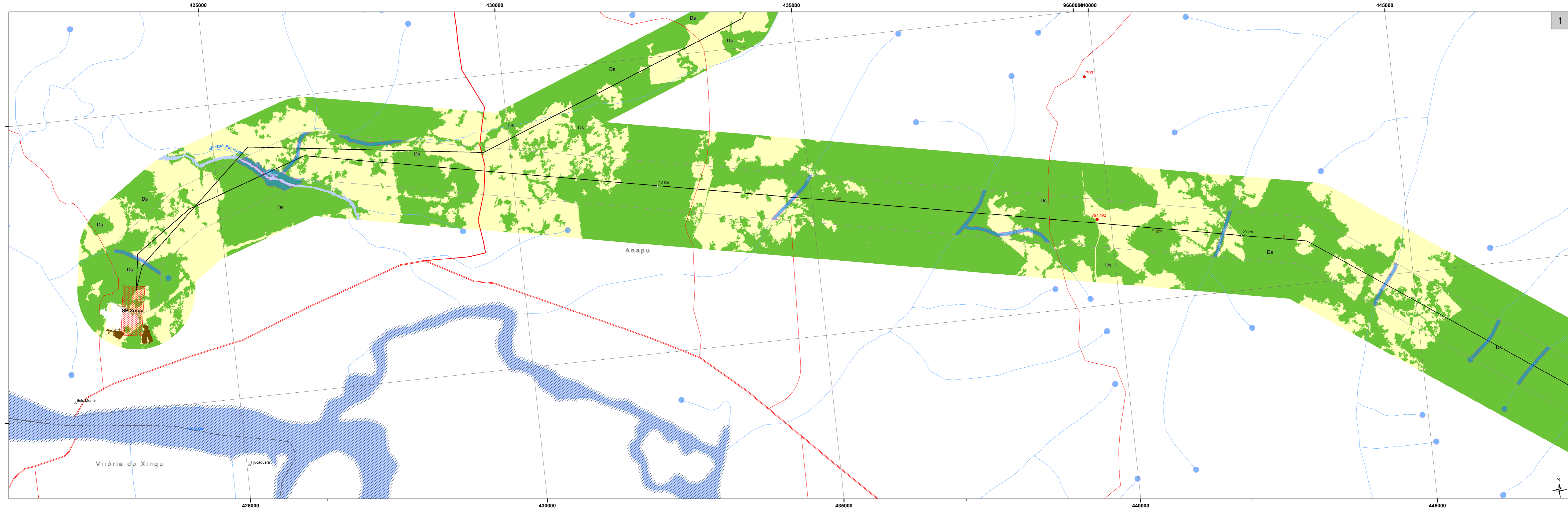
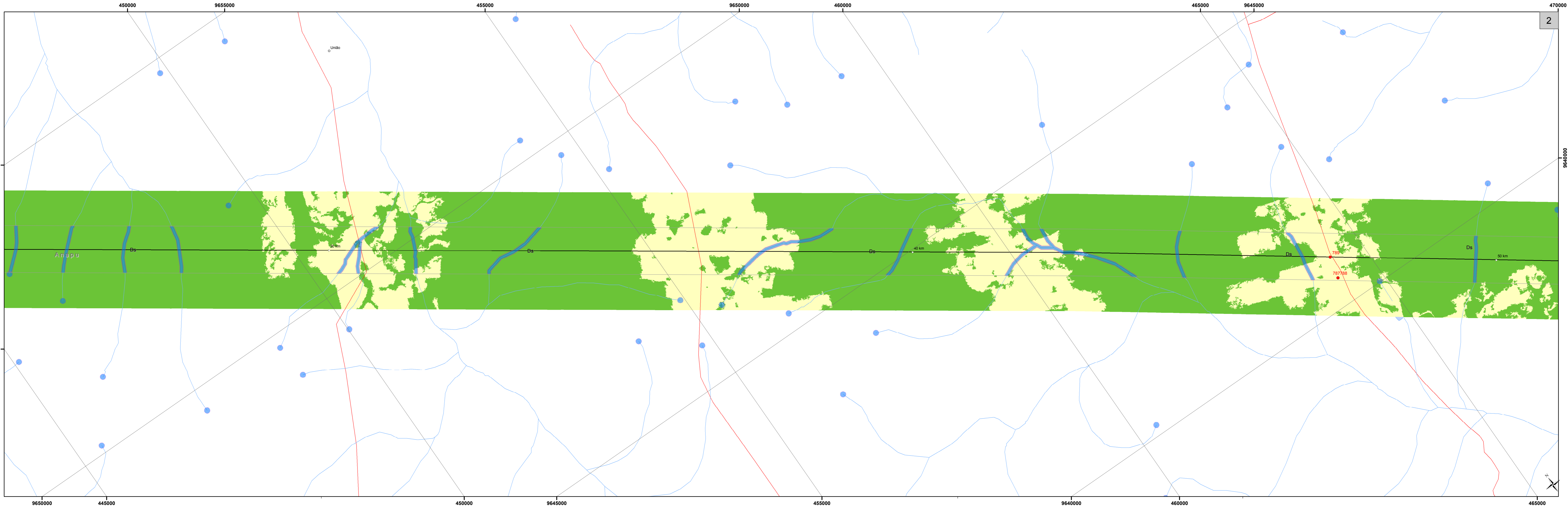
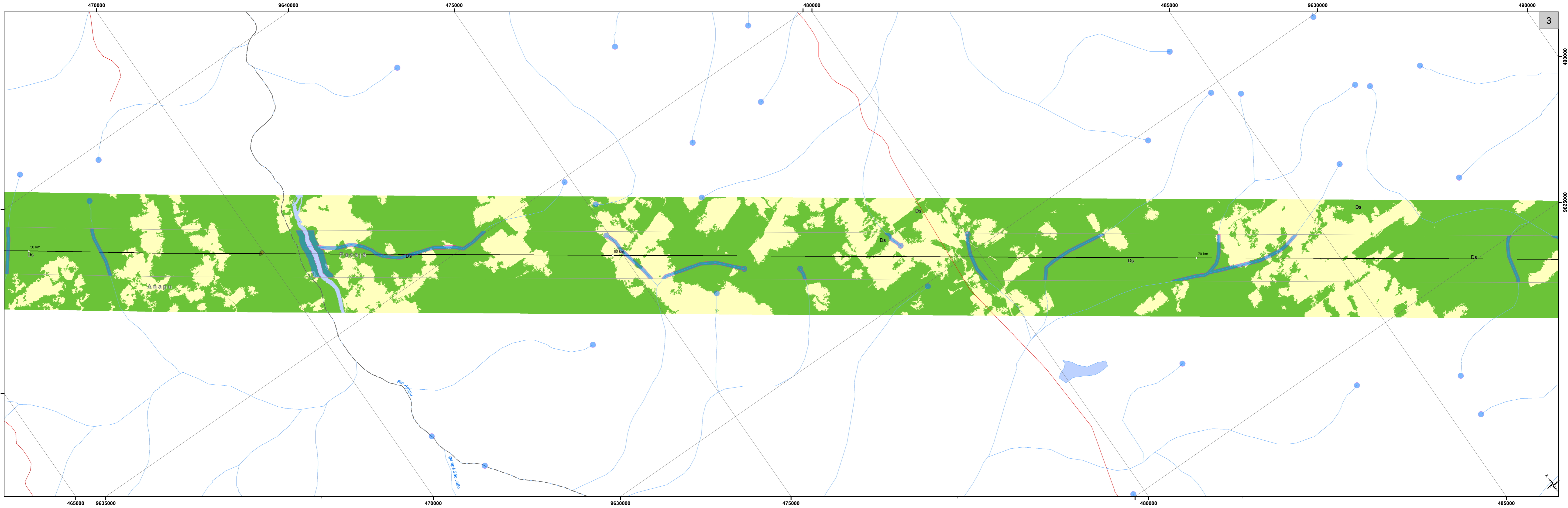
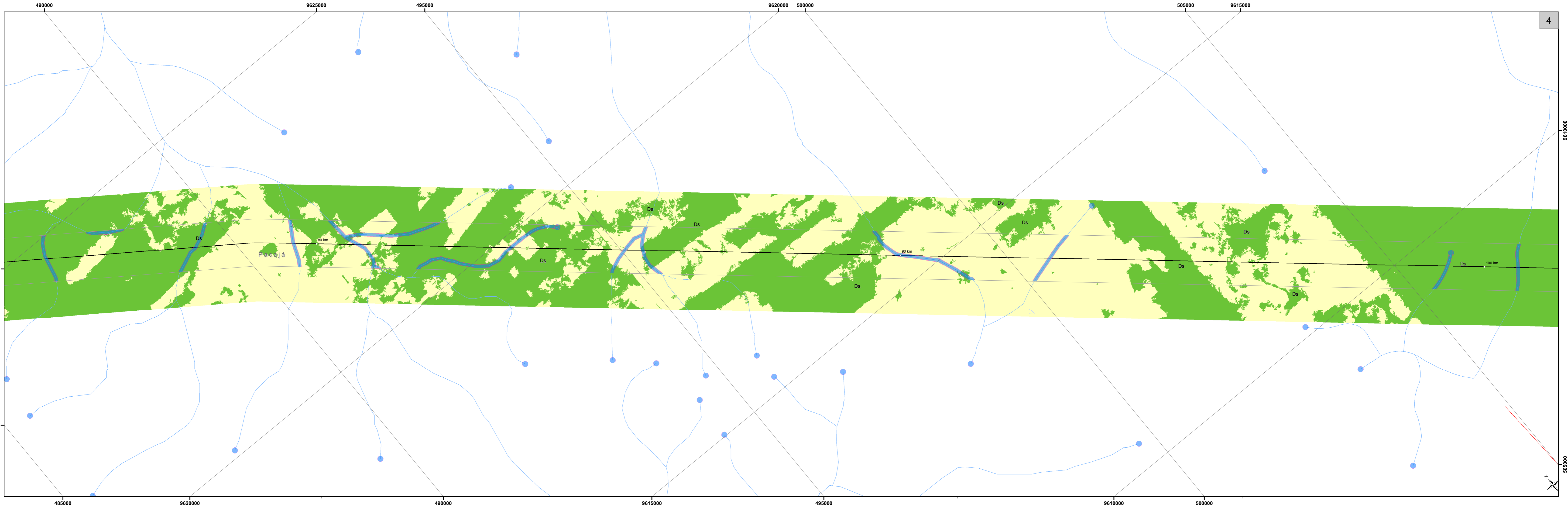


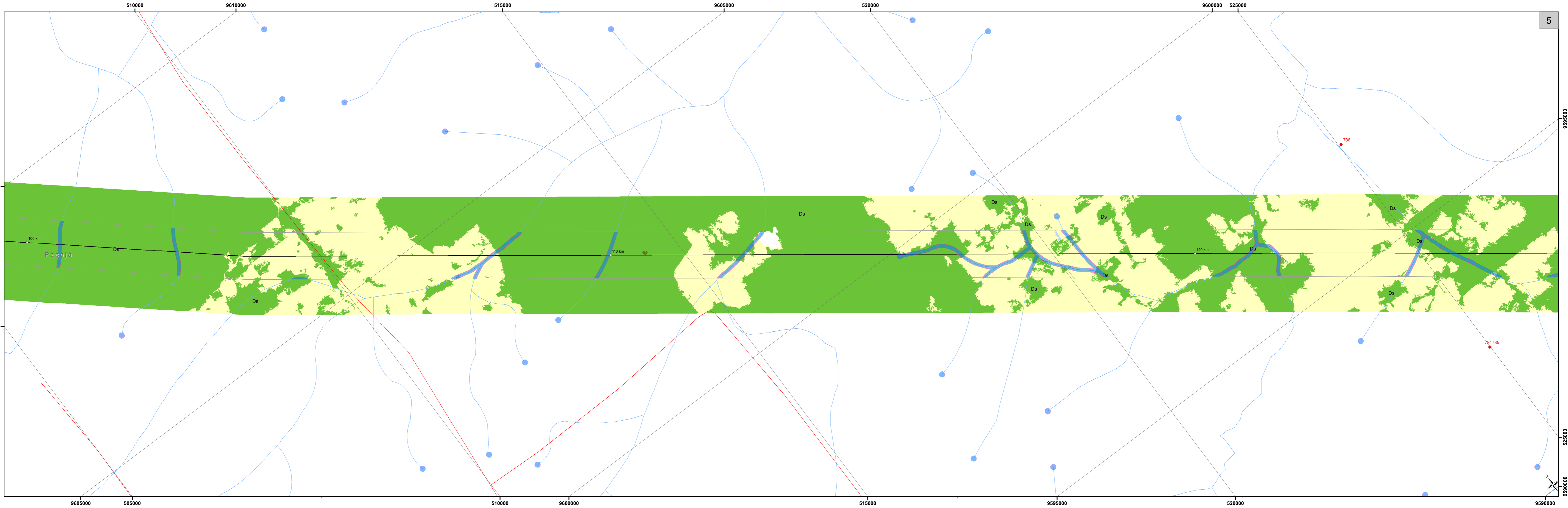
<p>CONVENÇÕES CARTOGRÁFICAS</p> <ul style="list-style-type: none"> △ Pontos Quilométricos ○ Cidades, Vilas — Linha de Transmissão Xingu - Terminal Rio □ Faixa 800m ▨ Eletrodo de Terra ▧ Subestação — Limite Estadual — Limite Municipal — Drenagem <p>Rede Viária - Jurisdição</p> <ul style="list-style-type: none"> — Municipal — Estadual — Federal 		<p>● Pontos Notáveis (Meio Socioeconômico)</p> <p>■ Comunidade Quilombola</p> <p>● Áreas Contaminadas</p> <p>Vulnerabilidade à inundações</p> <ul style="list-style-type: none"> ▨ Baixa ▧ Alta ▧ Média <p>Potencial Espeleológico</p> <ul style="list-style-type: none"> ▨ Alto ▧ Muito Alto <p>Área de Preservação Permanente</p> <ul style="list-style-type: none"> ▨ APP de Declividade ▧ APP de Rio e Nacentes ▧ APP de Tabuleiro ▧ App de Lago e Represa 	<p>Classes de Uso do solo</p> <ul style="list-style-type: none"> ■ Corpos Hídricos ■ Brejo ■ Silvicultura ■ Pastagem ■ Comunidade Rural ■ Comunidade Urbana ■ Cultura Permanente ■ Cultura Sazonal ■ Estradas ■ Indústria ■ Mineração ■ Solo Exposto; Aflor. Rochoso ■ Nuvens
<p>Classes de Vegetação</p> <ul style="list-style-type: none"> ■ C Floresta Estacional Decidual ■ Cs Floresta Estacional Decidual Submontana ■ F Floresta Estacional Semidecidual - Médio ■ Fm Floresta Estacional Semidecidual Montana ■ Fm Floresta Estacional Semidecidual Montana - Inicial ■ Fm Floresta Estacional Semidecidual Montana - Médio ■ Fs Floresta Estacional Semidecidual Submontana ■ Fs Floresta Estacional Semidecidual Submontana - Médio ■ As Floresta Ombrófila Aberta Submontana ■ Dm Floresta Ombrófila Densa Montana ■ Dm Floresta Ombrófila Densa Montana - Médio ■ Ds Floresta Ombrófila Densa Submontana ■ Ds Floresta Ombrófila Densa Submontana - Avançado ■ Ds Floresta Ombrófila Densa Submontana - Inicial ■ Ds Floresta Ombrófila Densa Submontana - Médio ■ Dse Floresta Ombrófila Densa Submontana Dossel Emergente ■ Sa Savana Arborizada ■ Saf Savana Arborizada com Floresta de Galeria ■ Sd Savana Florestada ■ Sp Savana Parque ■ Spf Savana Parque com Floresta de Galeria 		<p>REFERÊNCIAS CARTOGRÁFICAS</p> <p>ESCALA: 1:30.000</p> <p>0 0,25 0,5 1 1,5 2 km</p> <p>Sistema de Coordenadas UTM - Fuso 22S (Articulações 1 a 45 e 102 a 103) e Fuso 23S (Articulações 46 a 102). Datum Horizontal - SIRGAS 2000</p>	
<p>FONTES DE DADOS</p> <p>CONCREMAT, 2015/2016 - Levantamento de campo IBGE, 2015 - Base Cartográfica Contínua do Brasil 1:250.000 INCRA - Comunidades Quilombolas CECAV/ICMBio - Potencial Espeleológico</p>			
<p>Estudo de Impacto Ambiental - EIA - SISTEMA DE TRANSMISSÃO XINGU-RIO</p>			
<p>USO, OCUPAÇÃO E COBERTURA DO SOLO / PONTOS NOTÁVEIS</p>			
<p>NOTAS:</p>			
<p>ELAB:</p> <p>LUMA COSTA</p>			
<p>VERIF:</p> <p>BENOIT LAGORE</p>			
<p>GERENTE DE PROJETO:</p> <p>RICARDO FELIX</p>		<p>DATA:</p> <p>21/03/2016</p>	
<p>APROV:</p>		<p>CÓDIGO:</p> <p>3.0000328-30-LI-305-MS-643_04</p>	

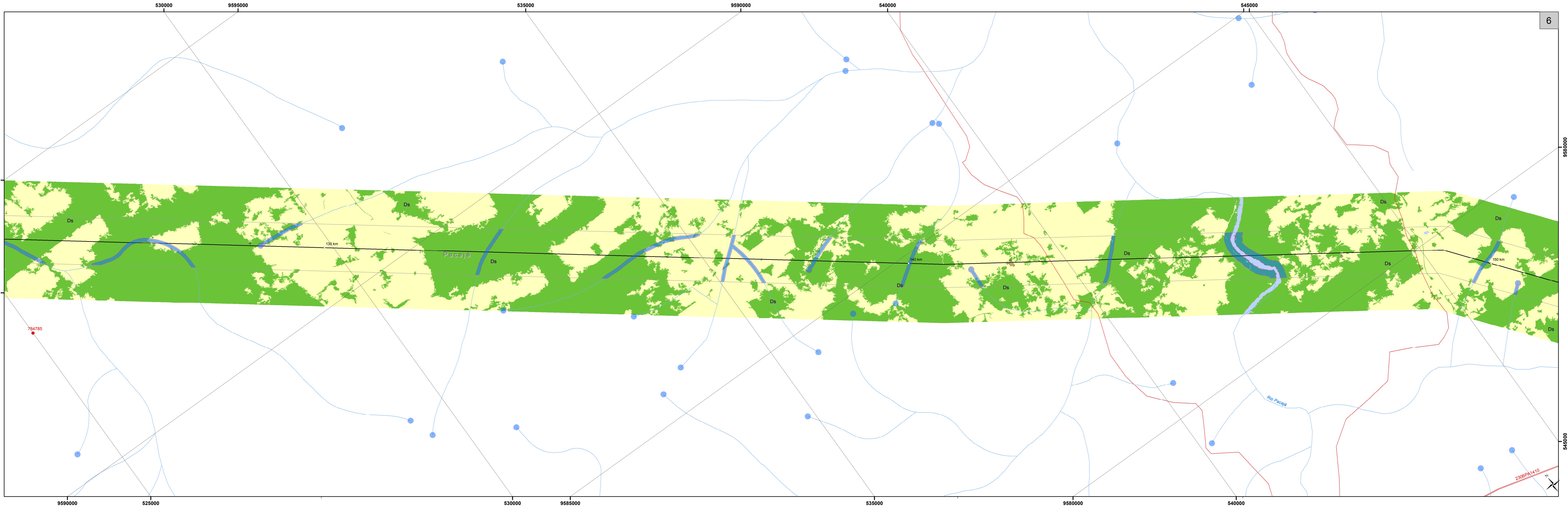


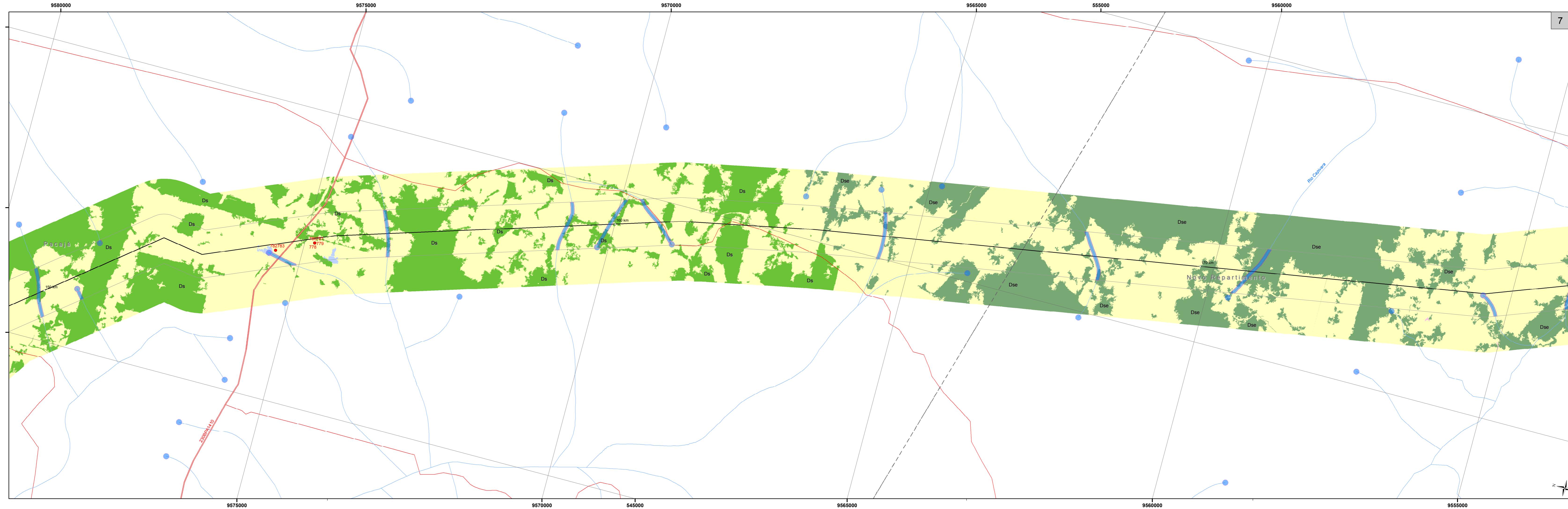


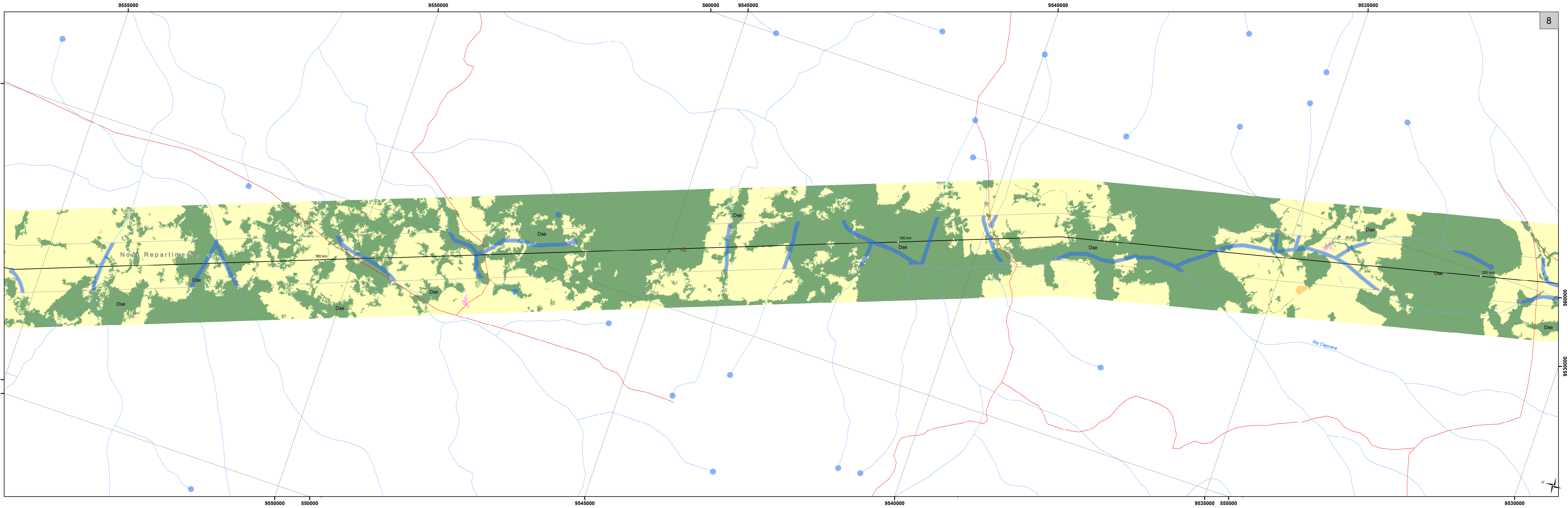


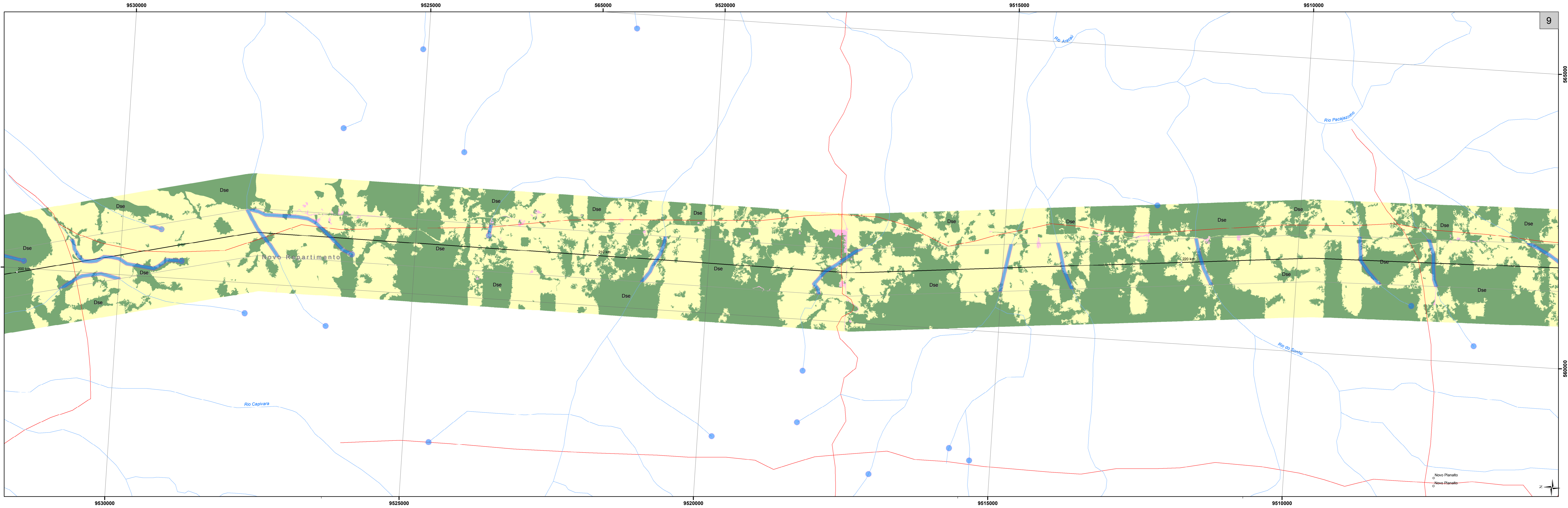












Novo Planalto
Novo Planalto

Rio Aratui

Rio Pacajazinho

Rio Capivara

Rio do Sonho

Novo Repartimento

210 km

220 km

200 km

9530000

9525000

9520000

9520000

9515000

9510000

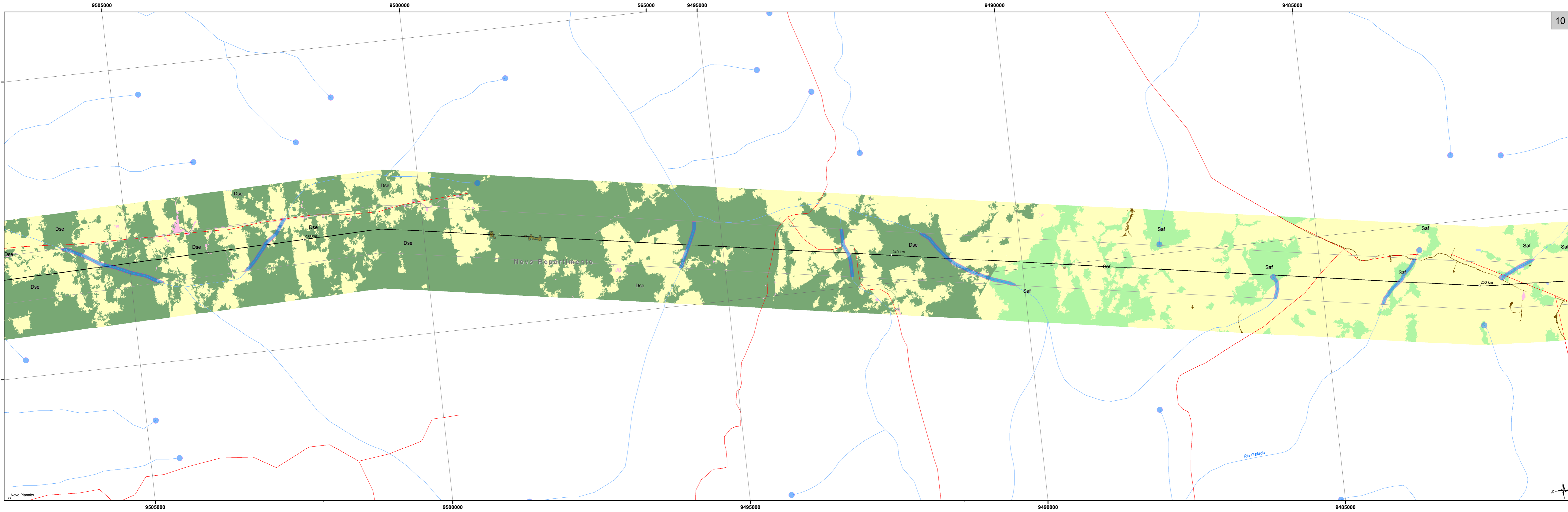
9530000

9525000

9520000

9515000

9510000



Novo Planalto

Novo Repartimento

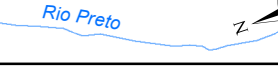
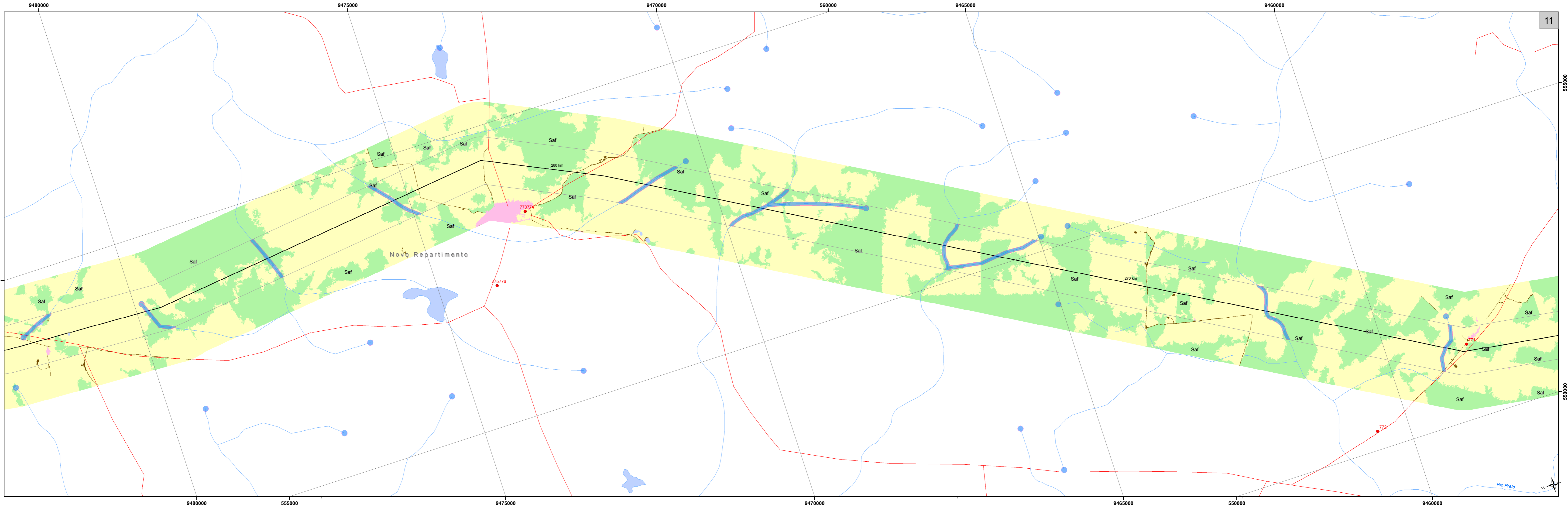
Rio Gelado

230 km

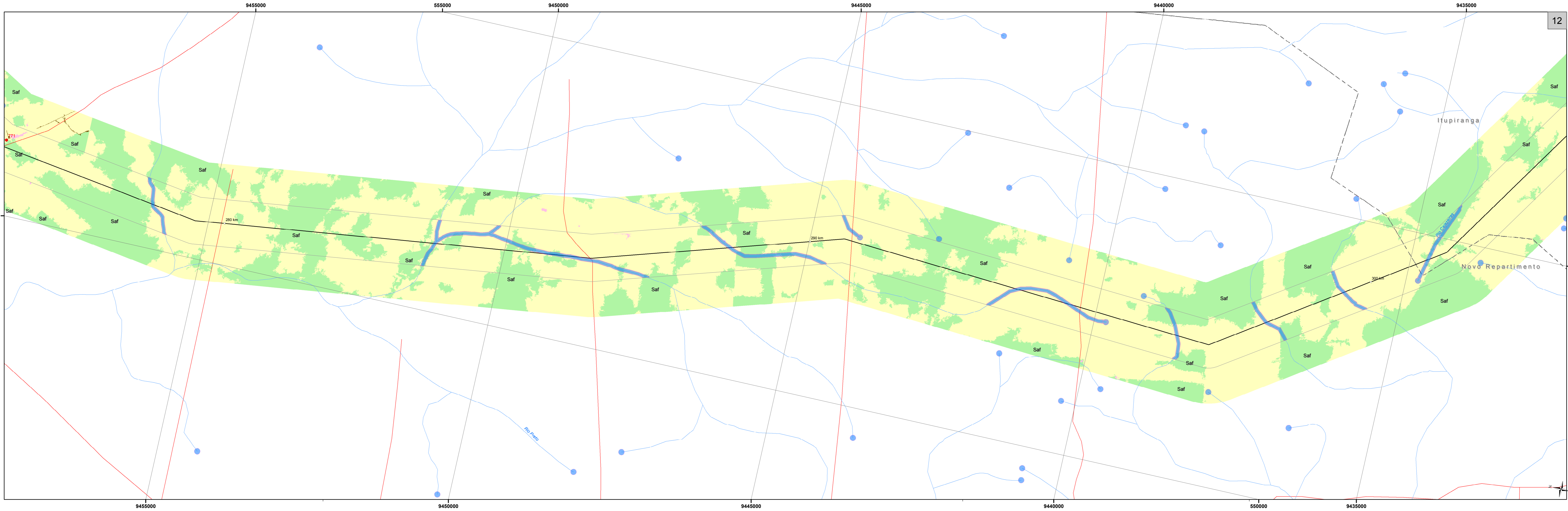
240 km

250 km

z



Rio Preto



9455000

9450000

9445000

9440000

550000

9435000

9430000

9455000

555000

9450000

9445000

9440000

9435000

280 km

290 km

300 km

Itupiranga

Novo Repartimento

Rio Cabanagem

Rio Paraíba

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

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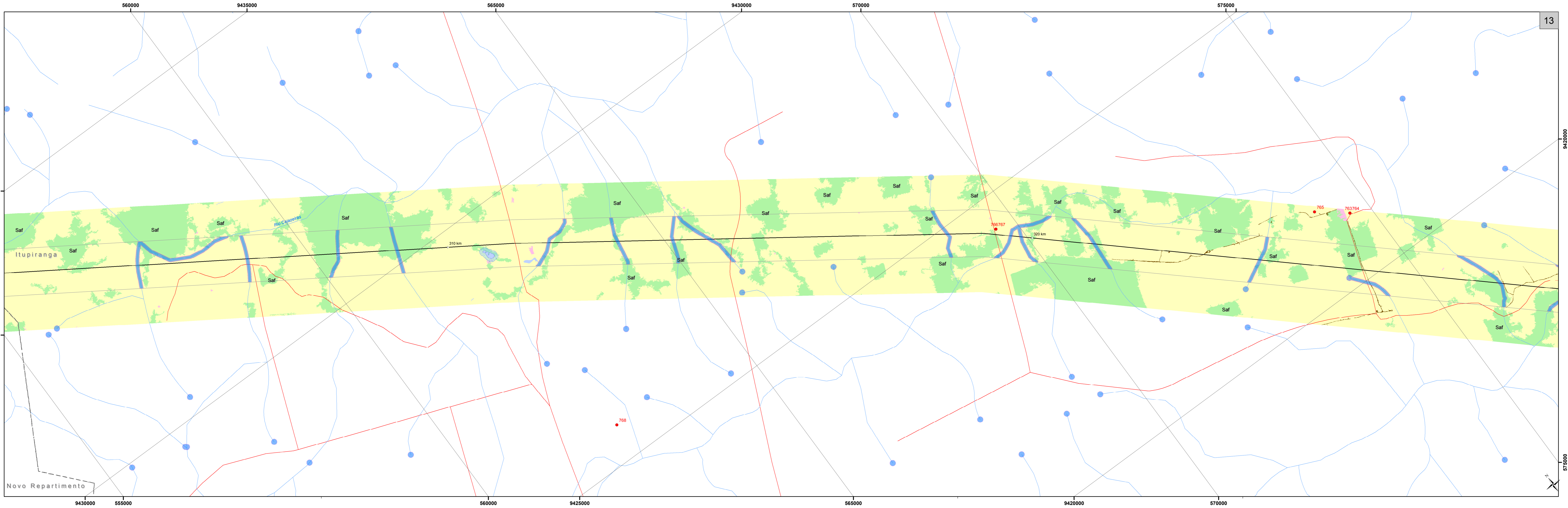
Saf

Saf

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Saf



Novo Repartimento

Itupiranga

Rio Cajazeiras

310 km

320 km

768

766767

765

763764

9430000 555000

560000 9425000

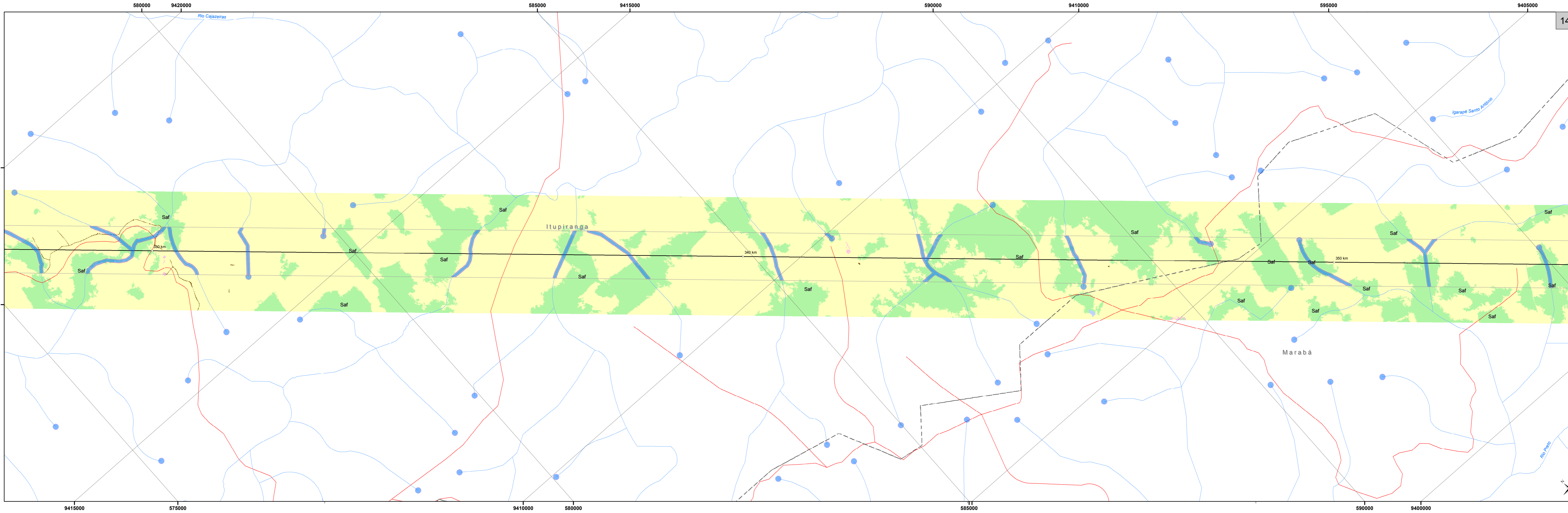
565000 9430000

9420000 570000

575000

9420000

575000



Rio Cajazeiras

Igarapé Santo Antonio

Marabá

Itupiranga

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

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330 km

340 km

350 km

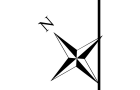
9415000 575000

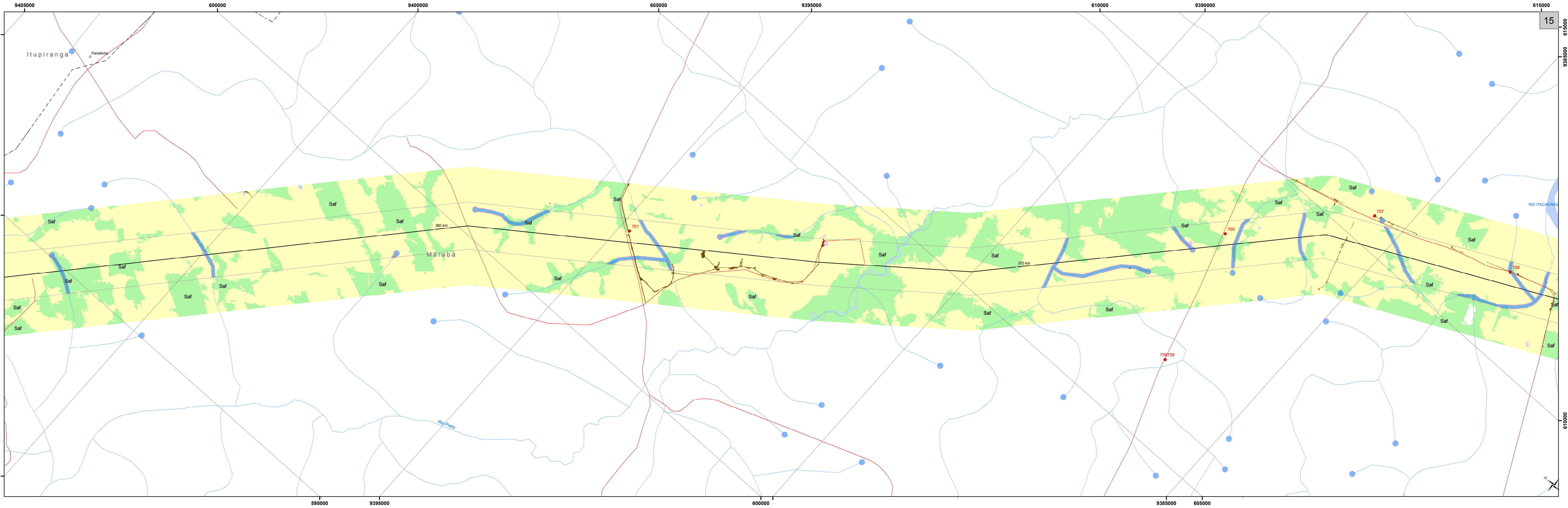
9410000 580000

585000 9410000

590000 9400000

595000 9400000





9405000

600000

9400000

605000

9395000

610000

9390000

615000

15

9385000

610000

9380000

605000

9375000

600000

9370000

595000

9365000

Itupiranga

Panelinha

Marabá

Rio Preto

RIO ITACAJUNAS

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

Saf

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360 km

370 km

758759

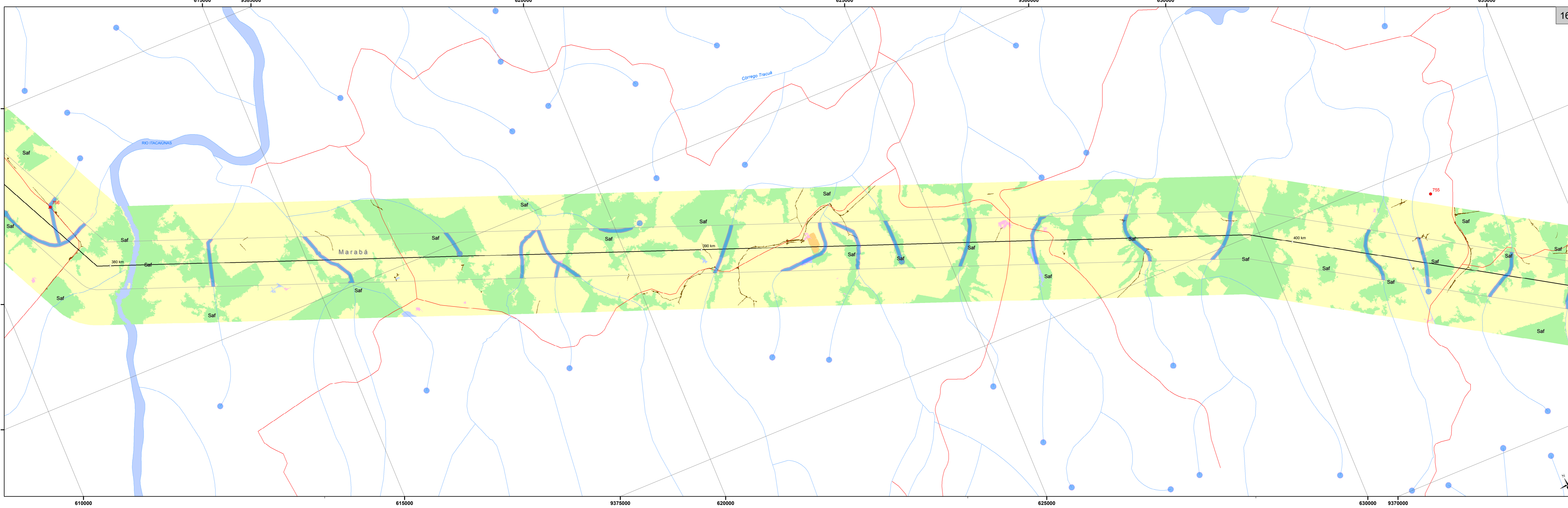
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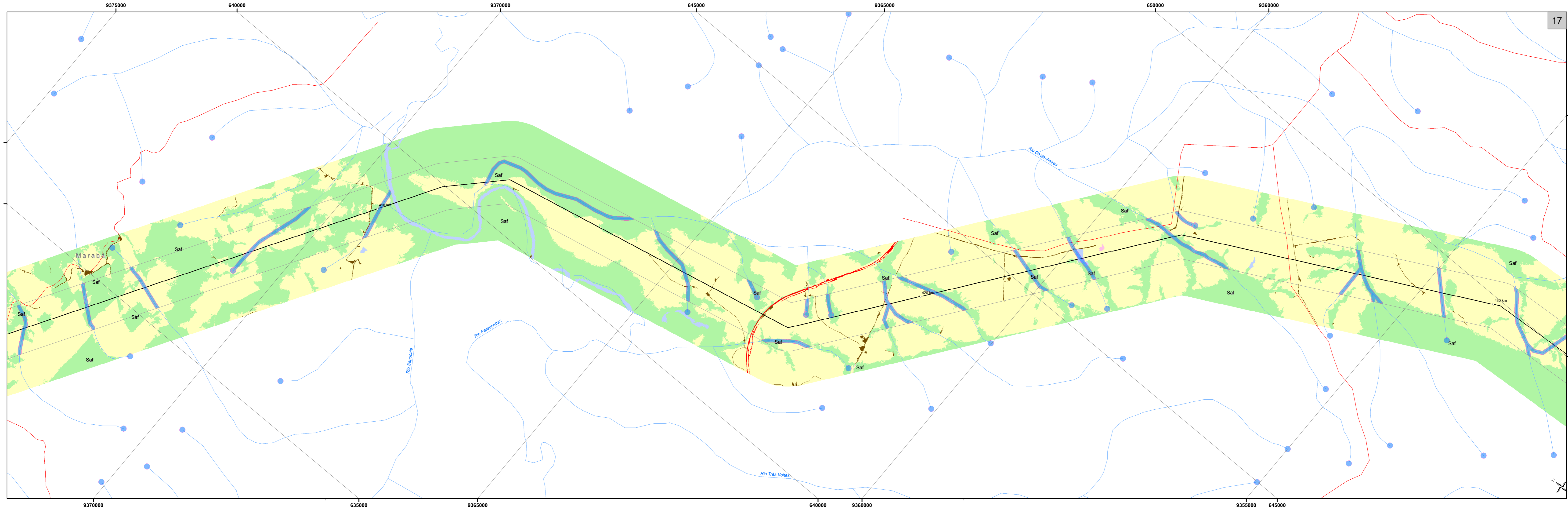
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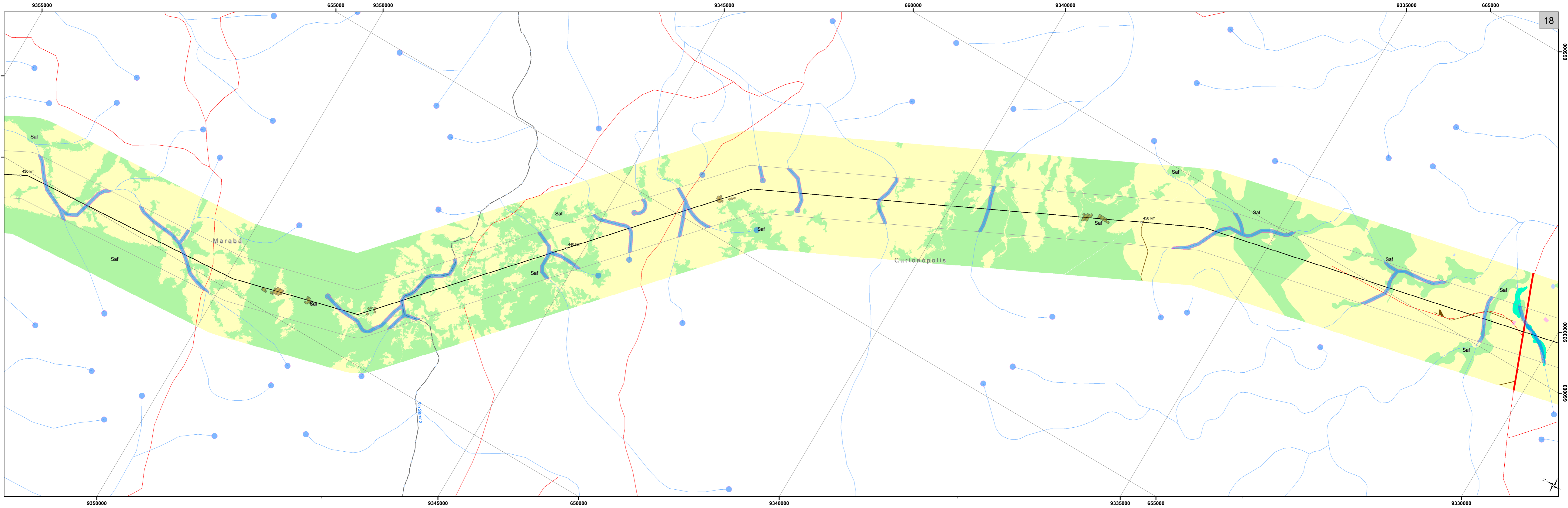
757

756









Saf

430 km

Marabá

Saf

Saf

440 km

Saf

Curionópolis

Saf

450 km

Saf

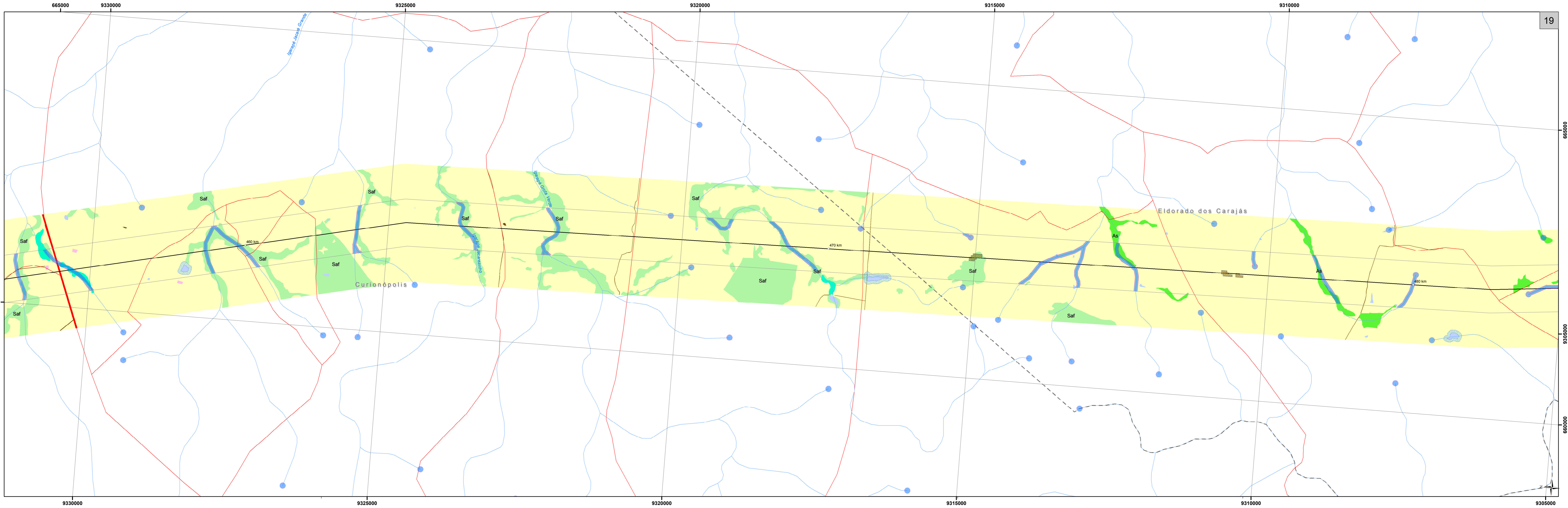
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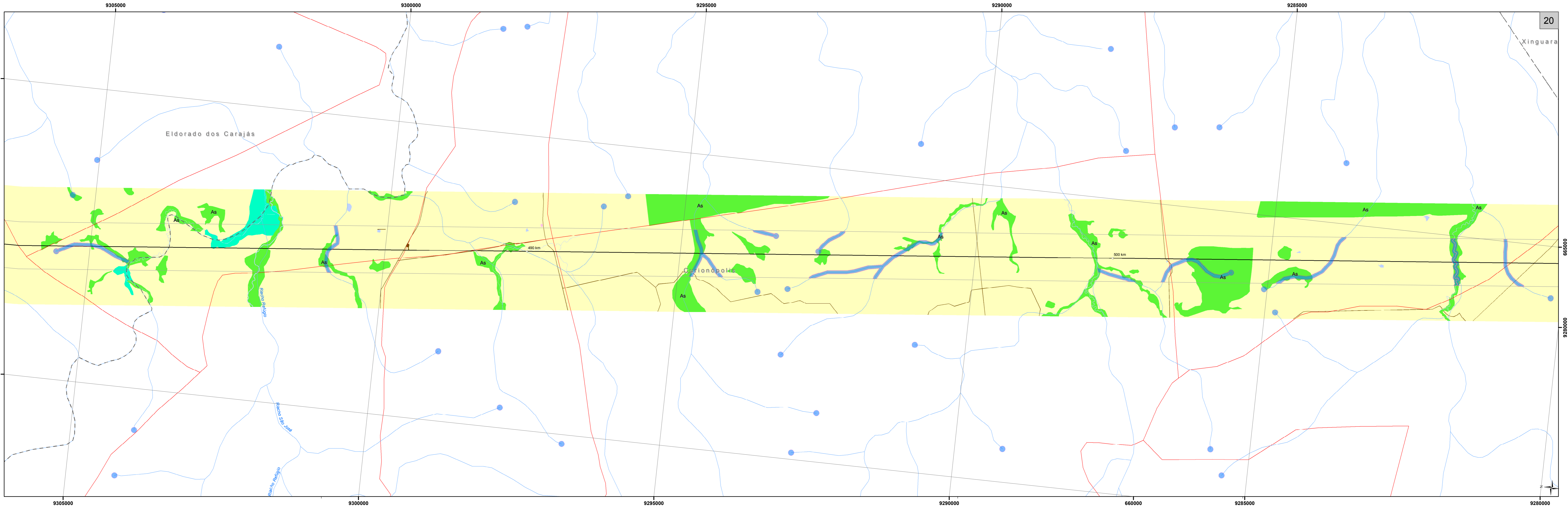
Saf

Saf

Rio Sarama







Eldorado dos Carajás

Curionópolis

Rio Relvão

Rio São José

400 km

500 km

665000

9280000

9305000

9300000

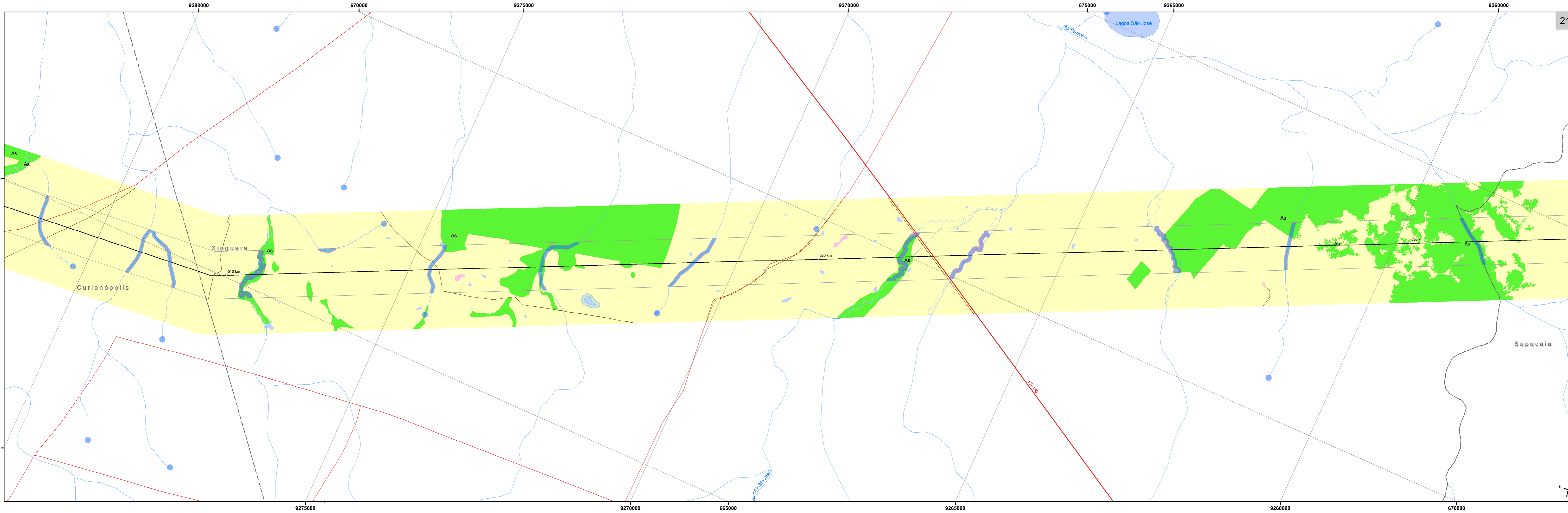
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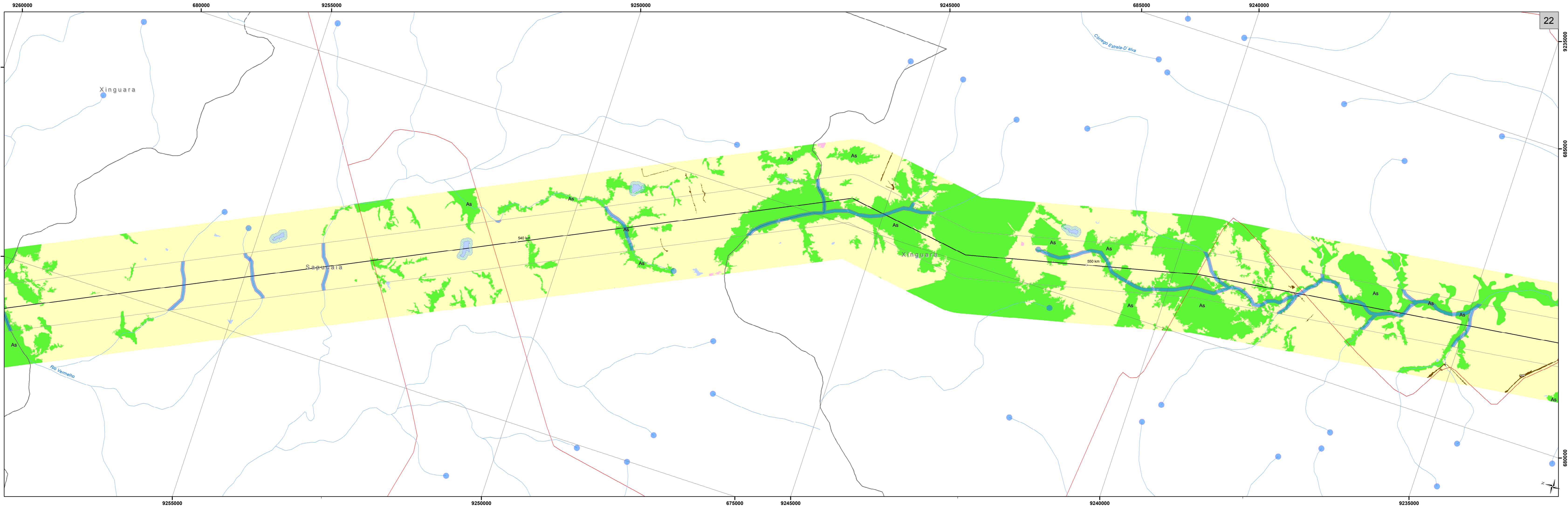
9290000

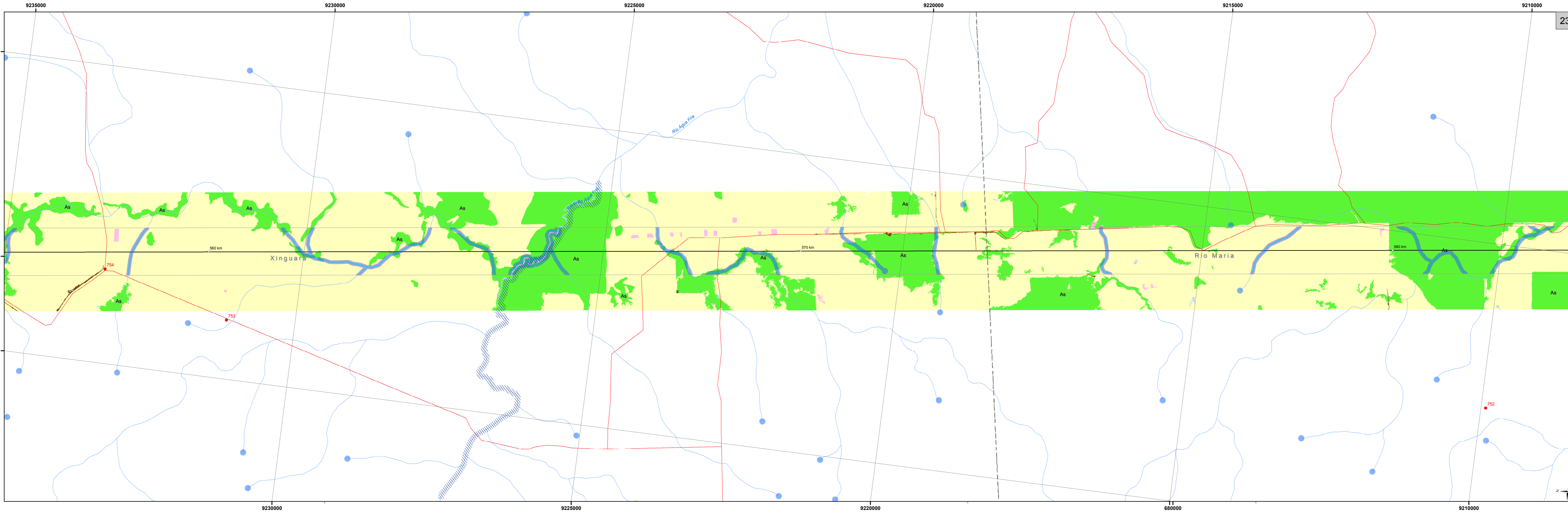
660000

9285000

9280000







Rio Água Fria

Xinguara

Rio Maria

560 km

570 km

560 km

68500



9235000

9230000

9225000

9220000

9215000

9210000

9230000

9225000

9220000

680000

9210000

As

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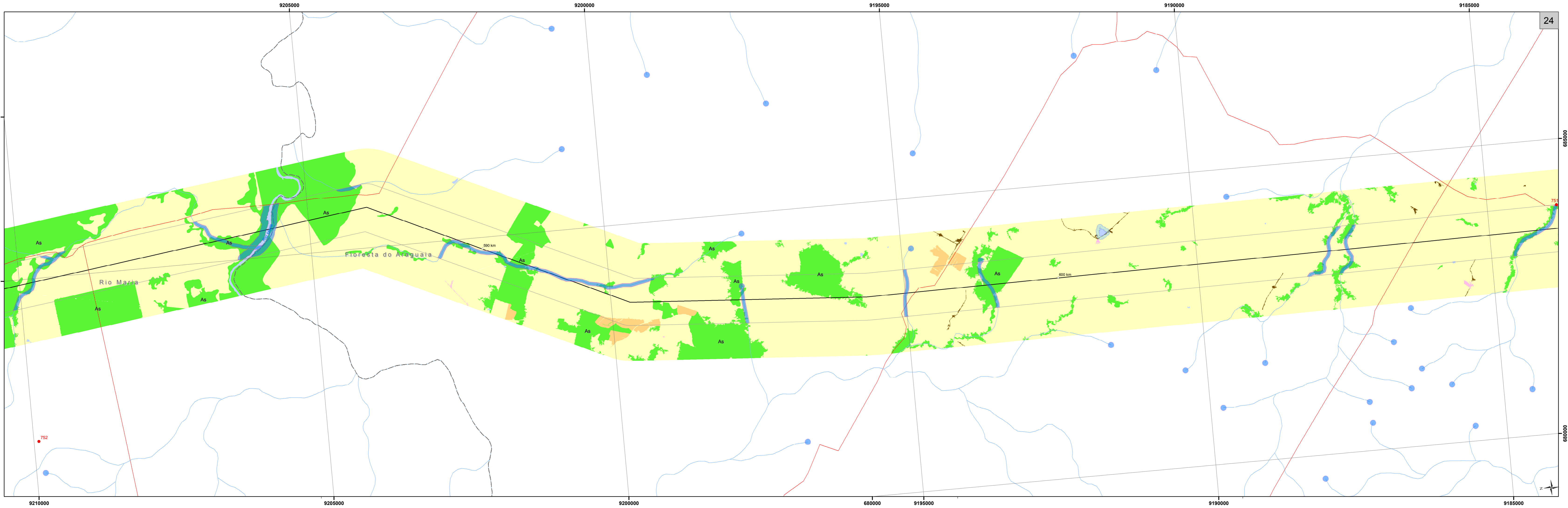
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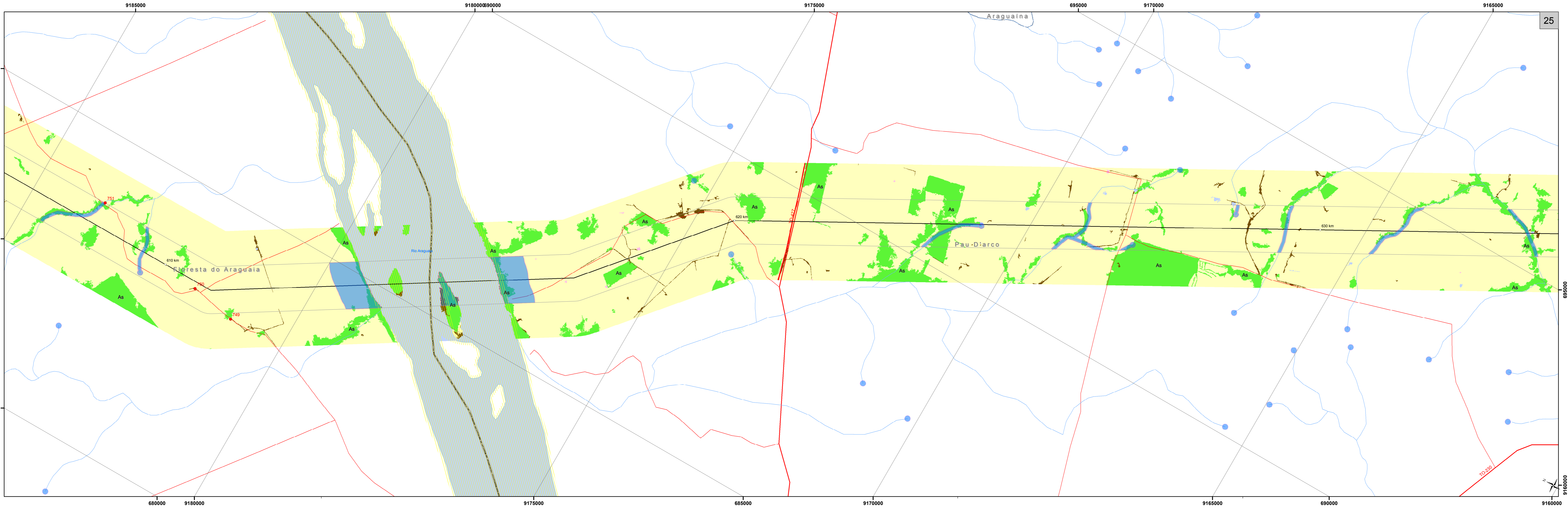
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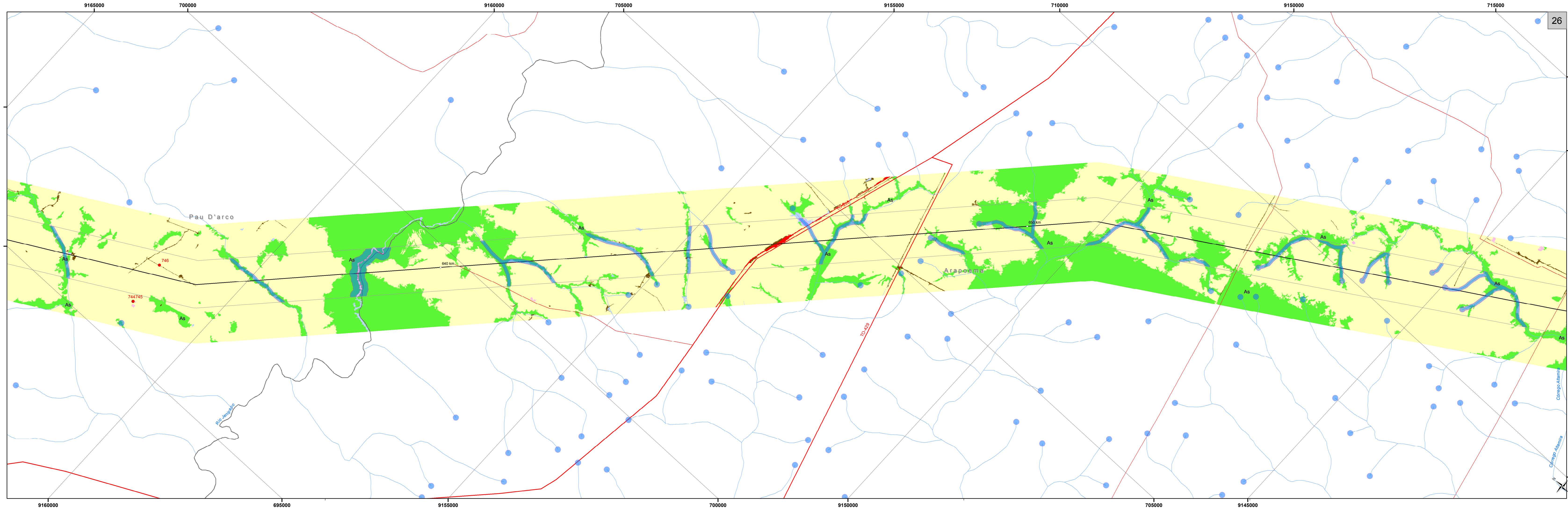
753

754

752







Pau D'arco

Arapoema

Rio Jengabo

Corrego Allamira
Corrego Altamira

TC-129

640 km

650 km

744745

746

As

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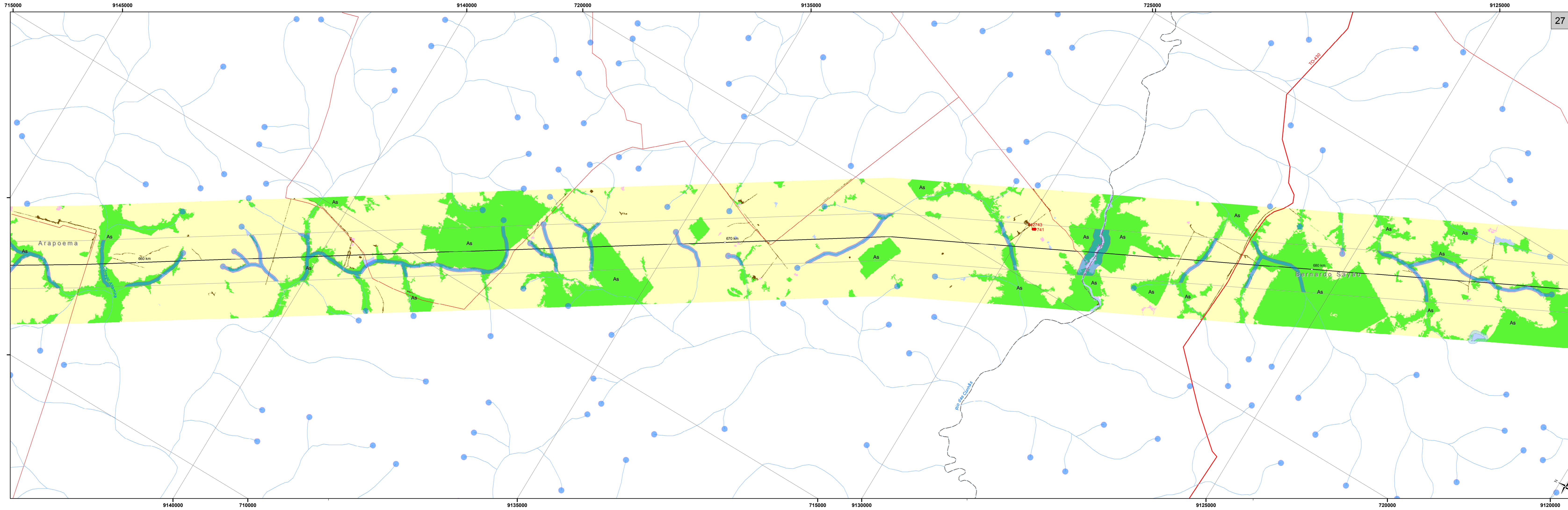
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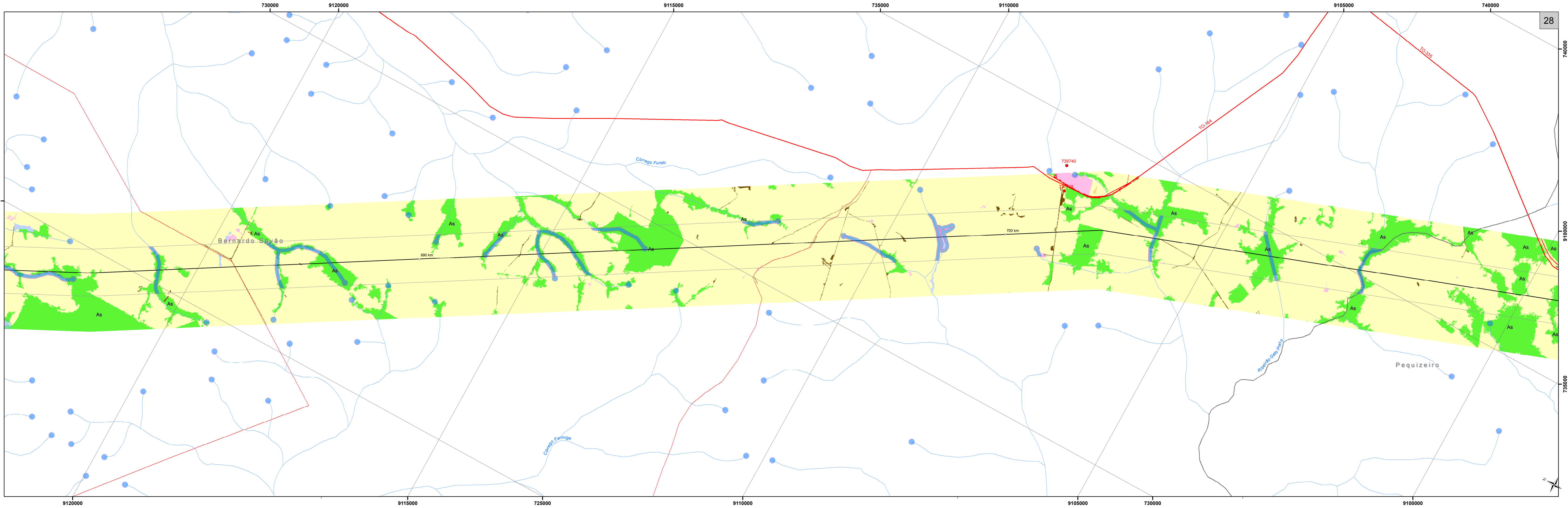
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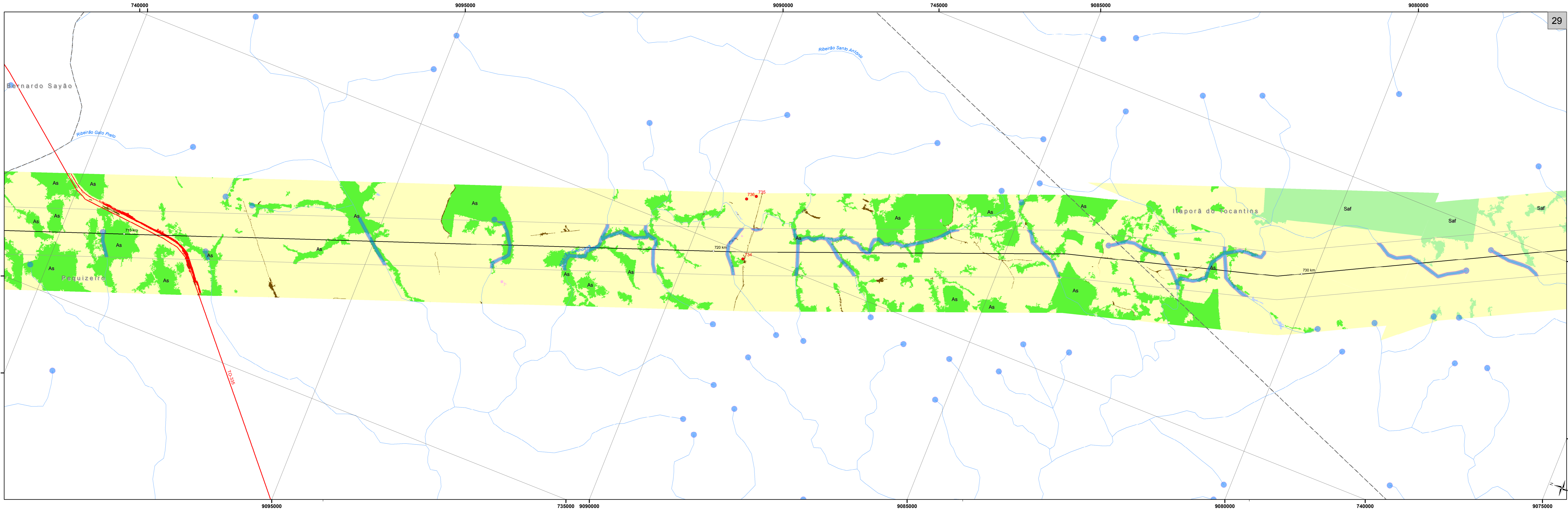
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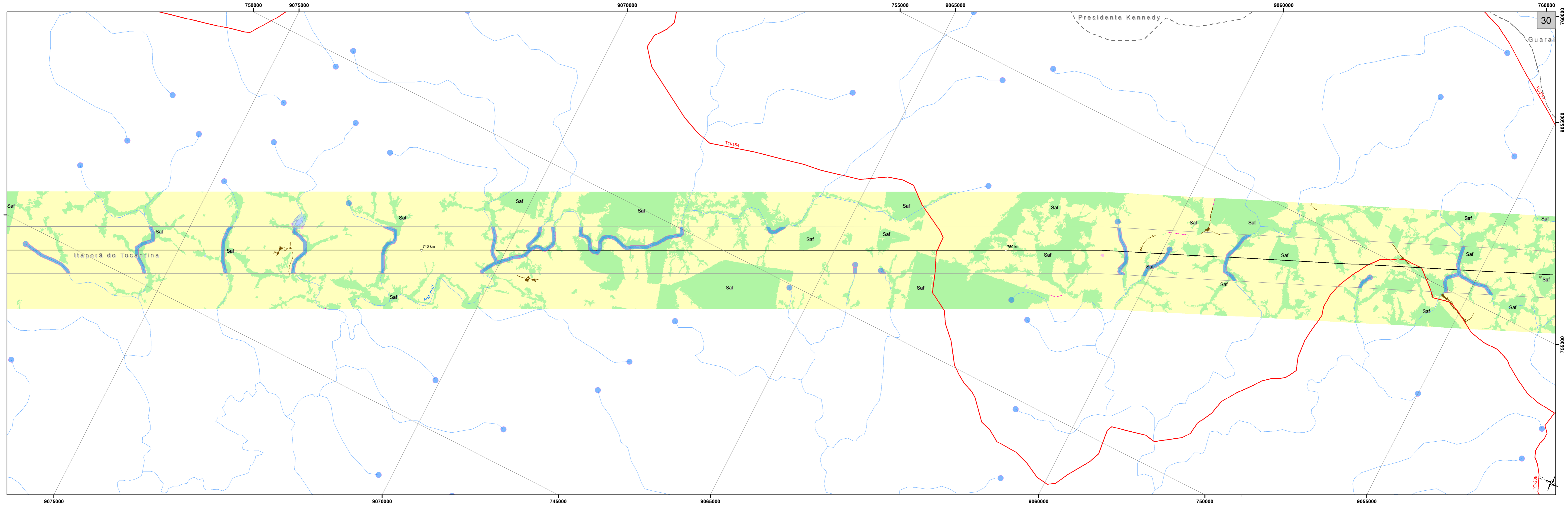
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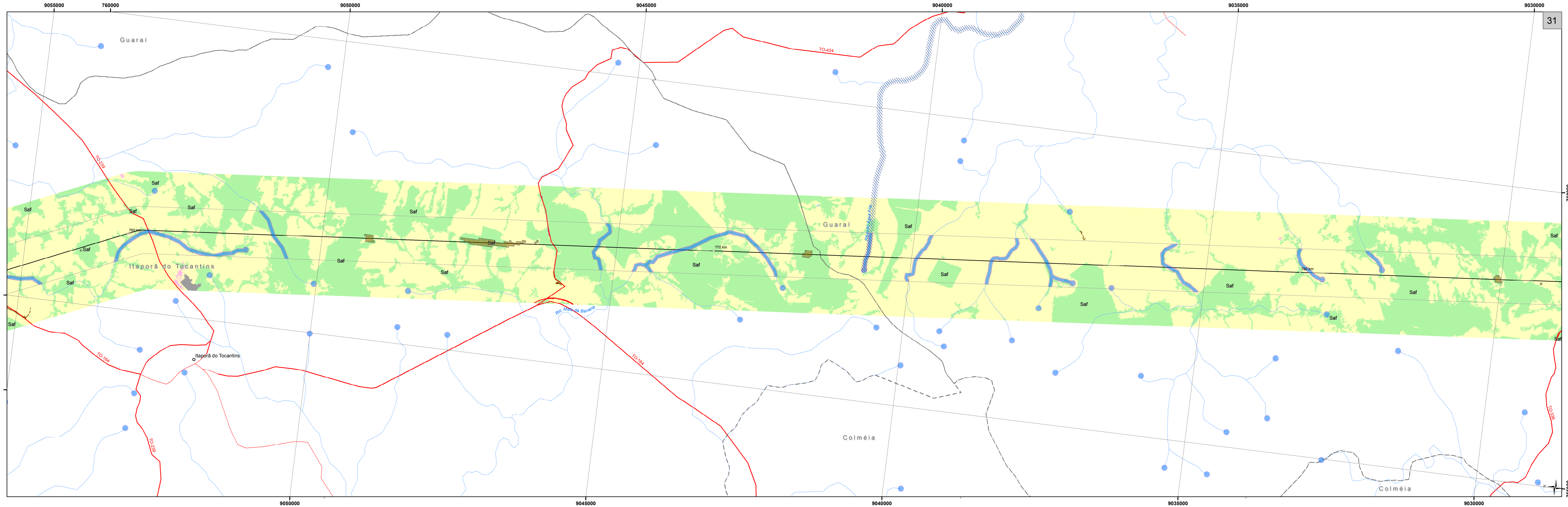
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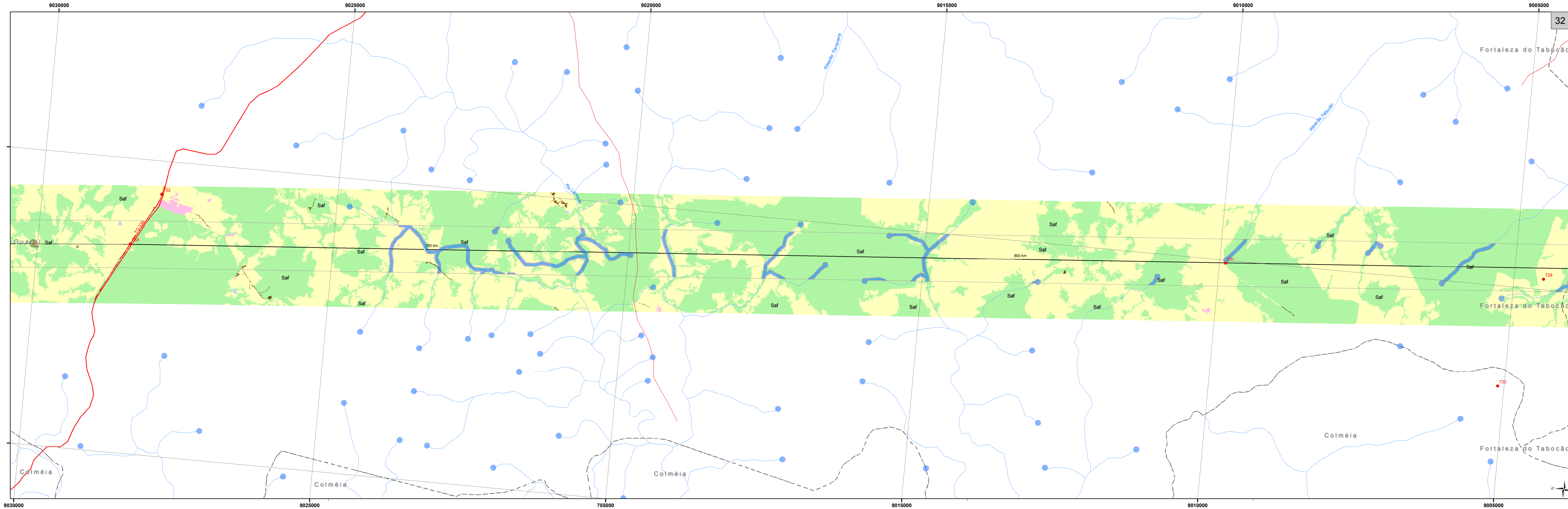


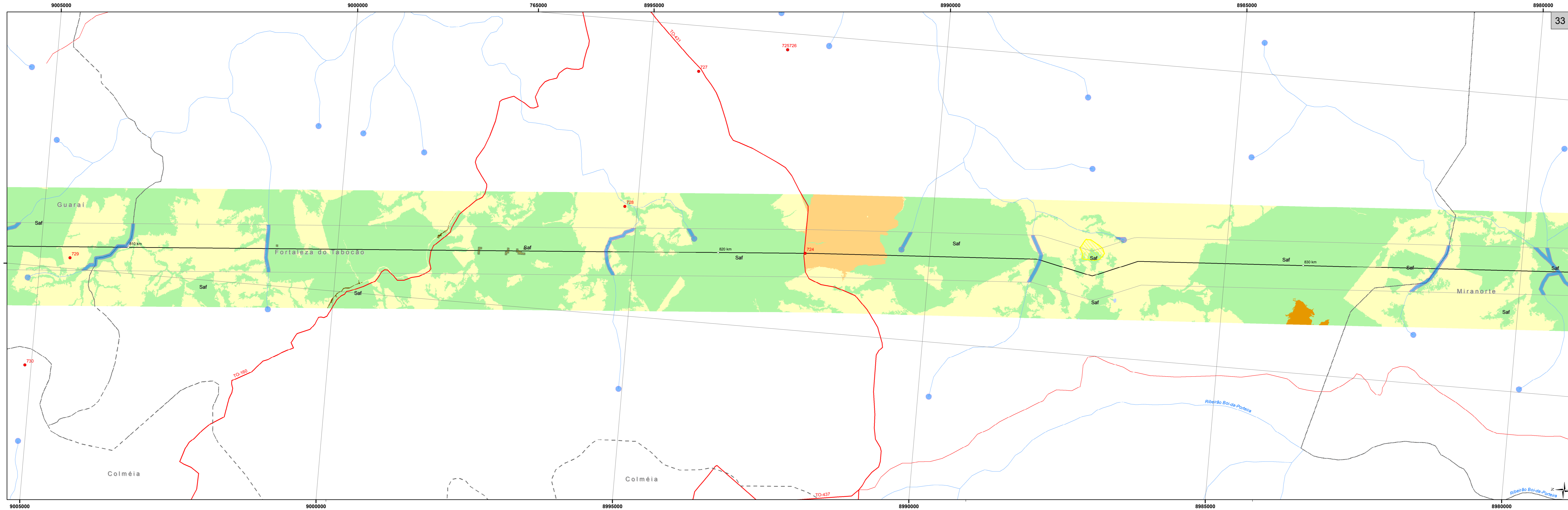


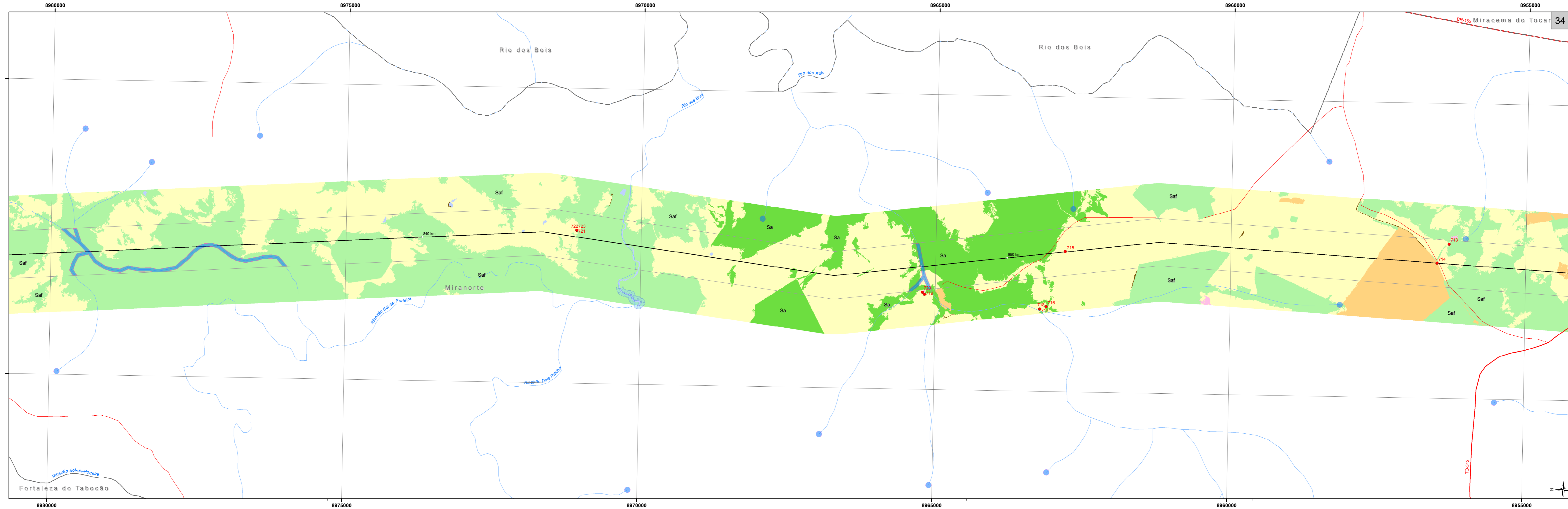


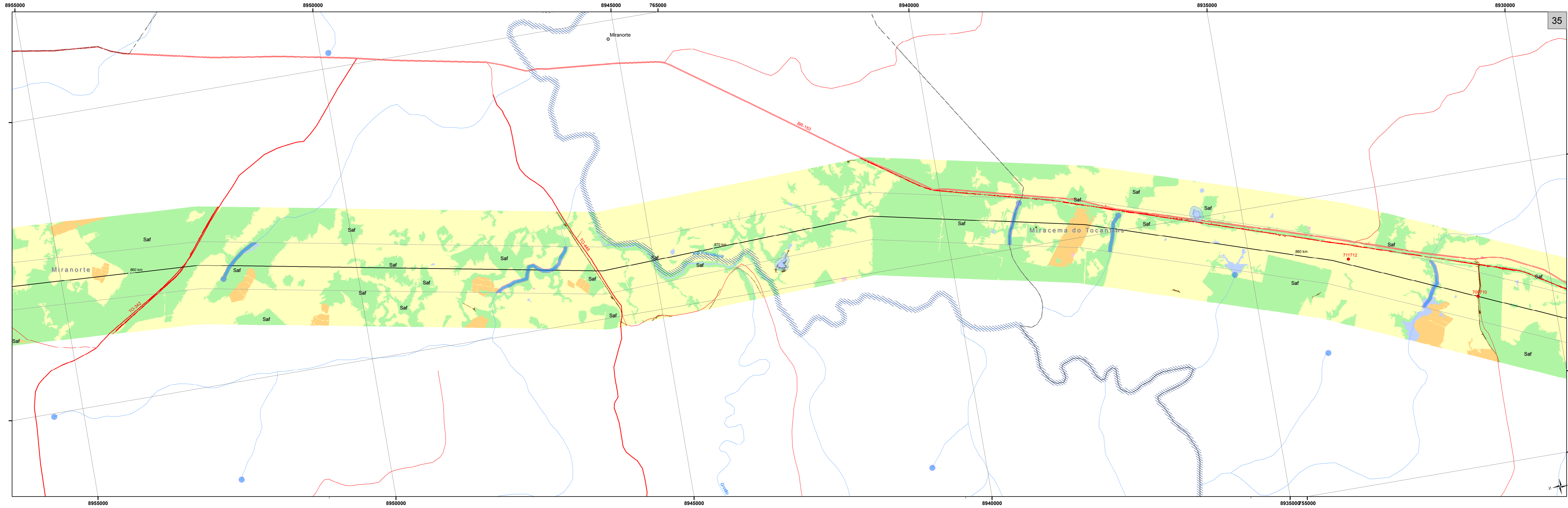












35

Miranorte

Miracema do Tocantins

Miranorte

800 km

870 km

880 km

711712

707710

760000

8930000

755000

8955000

8950000

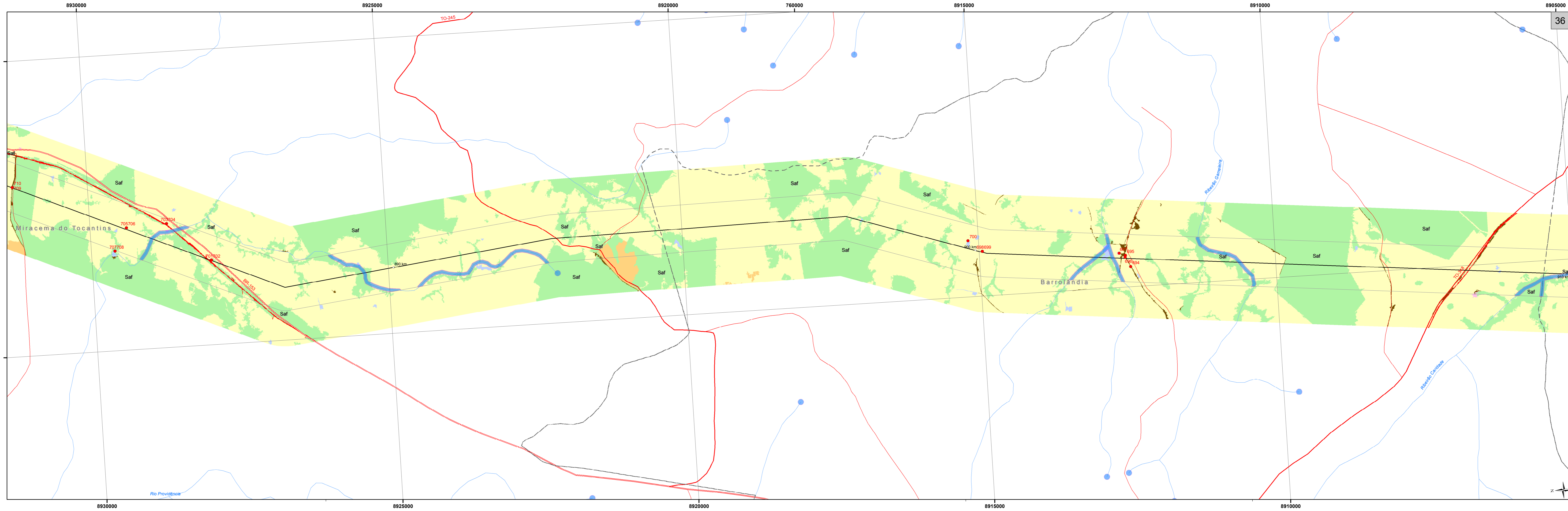
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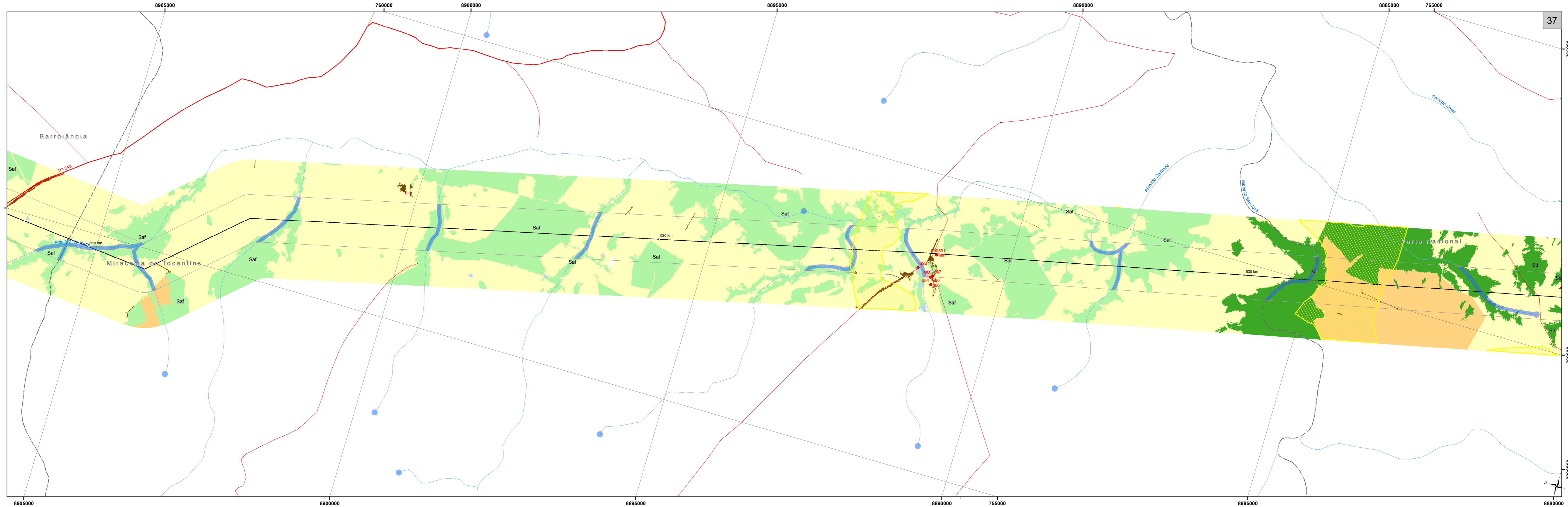
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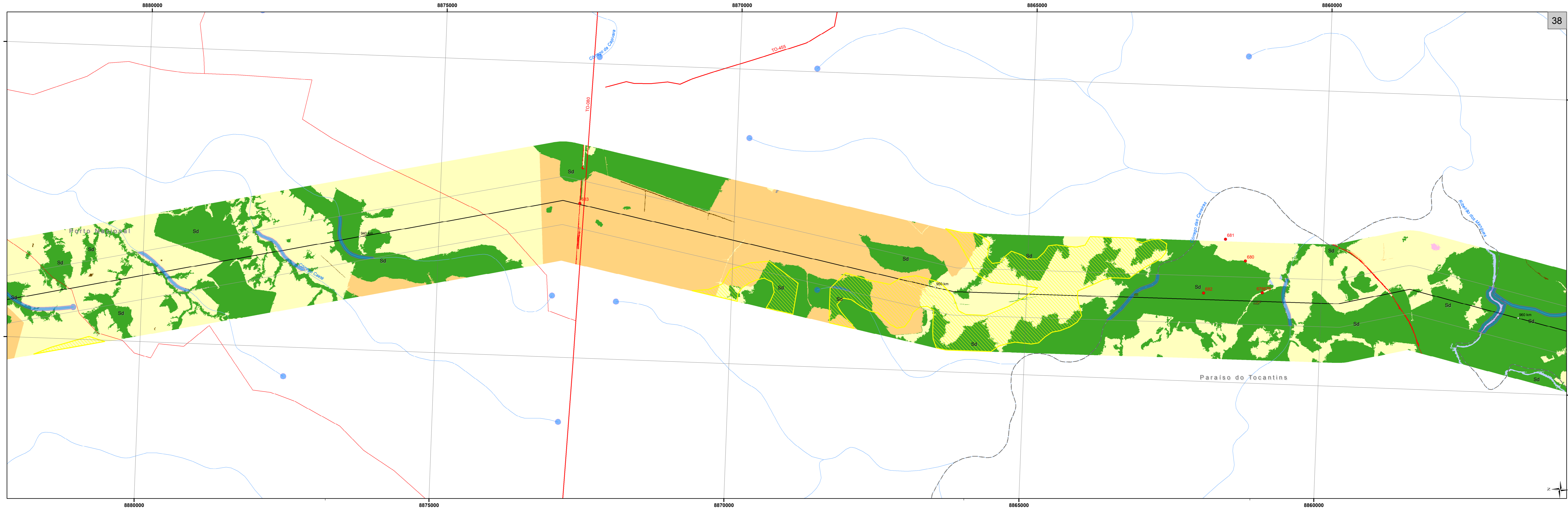
8935000

755000









8880000

8875000

8870000

8865000

8860000

8880000

8875000

8870000

8865000

8860000

Fotó Nacional

Paráíso do Tocantins

Córrego da Capivara

Córrego Cabelo

Córrego das Cheveiras

Rio dos Mergulhos

TO-455

TO-080

683

681

680

679

678

940 km

890 km

960 km

Sd

Sd

Sd

Sd

Sd

Sd

Sd

Sd

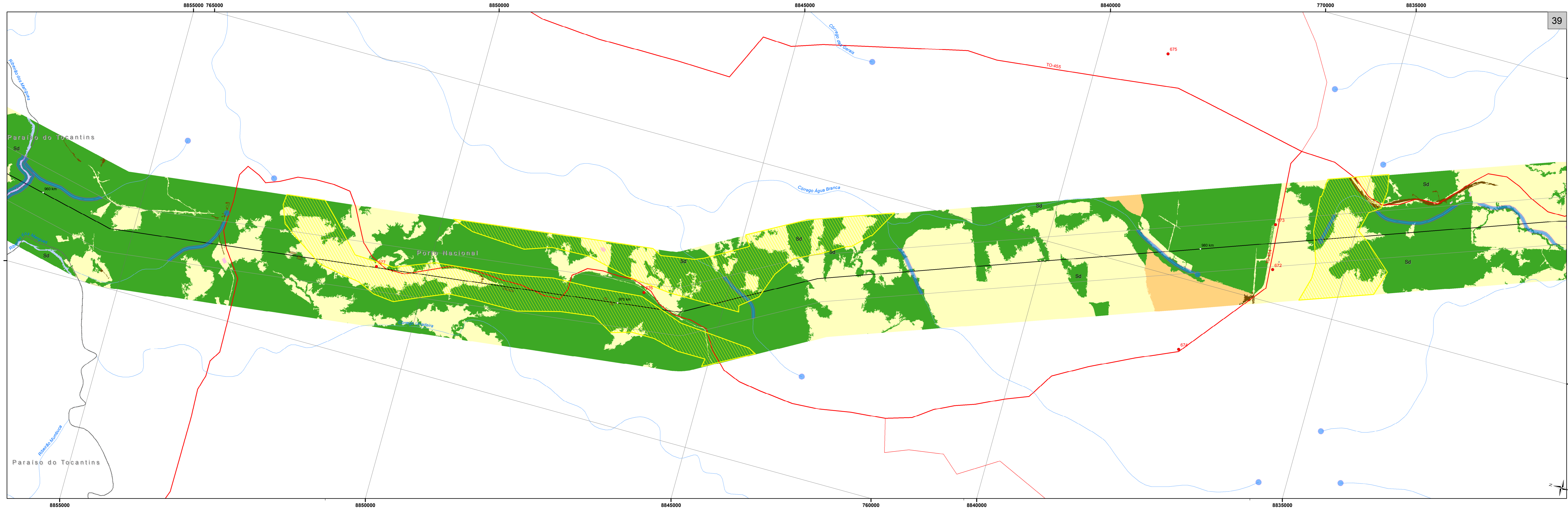
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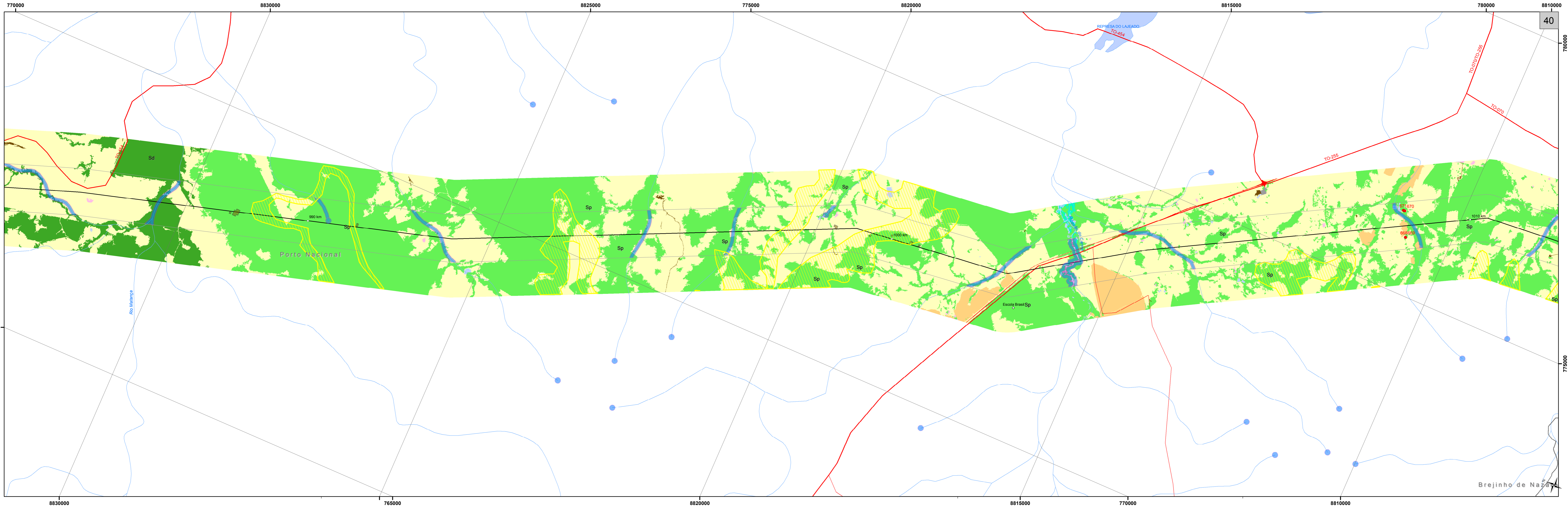
Sd

Sd

Sd

Sd





40

780000

775000

Brejinho de Nazaré

770000

8830000

8825000

775000

8820000

8815000

780000

8810000

8830000

765000

8820000

8815000

770000

8810000

REPRESSA DO LAJEADO
TO-454

TO-255

TO-070
TO-256

TO-070

Porto Nacional

Rio Malança

Escola Brasil Sp

990 km

1000 km

1010 km

Sd

Sp

Sp

Sp

Sp

Sp

Sp

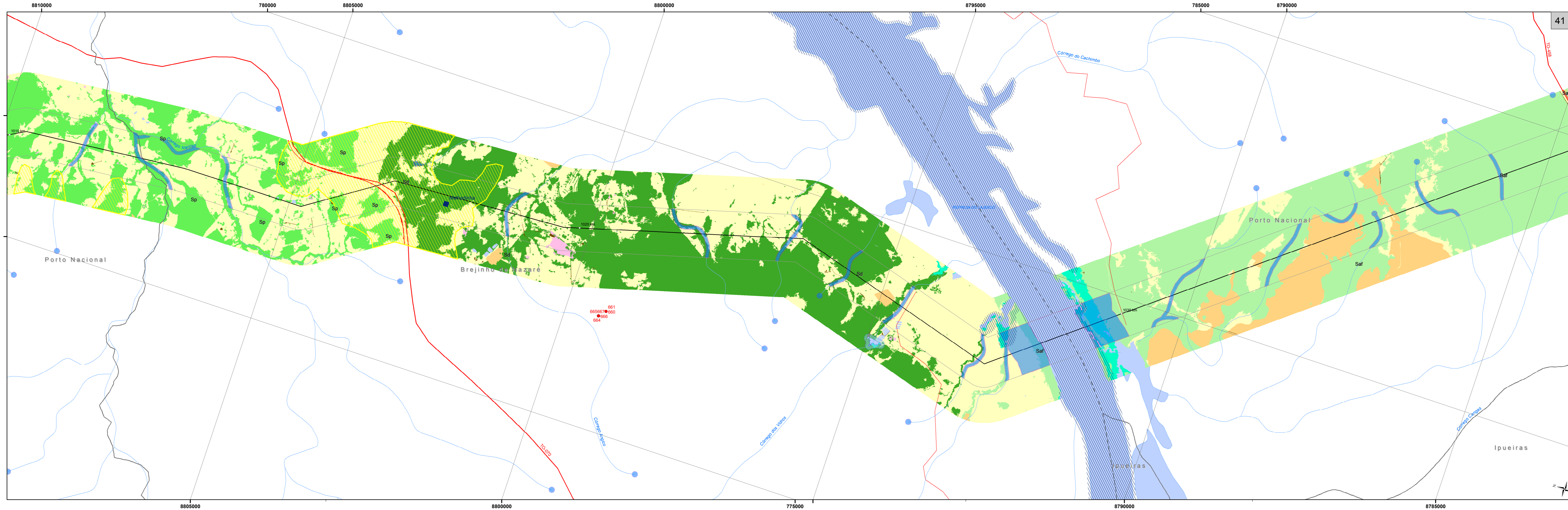
Sp

Sp

Sp

671670

668609



Porto Nacional

Brejinho de Nazaré

Porto Nacional

Ipeiras

Córrego do Cachimbo

Córrego Alegre

Córrego dos Livros

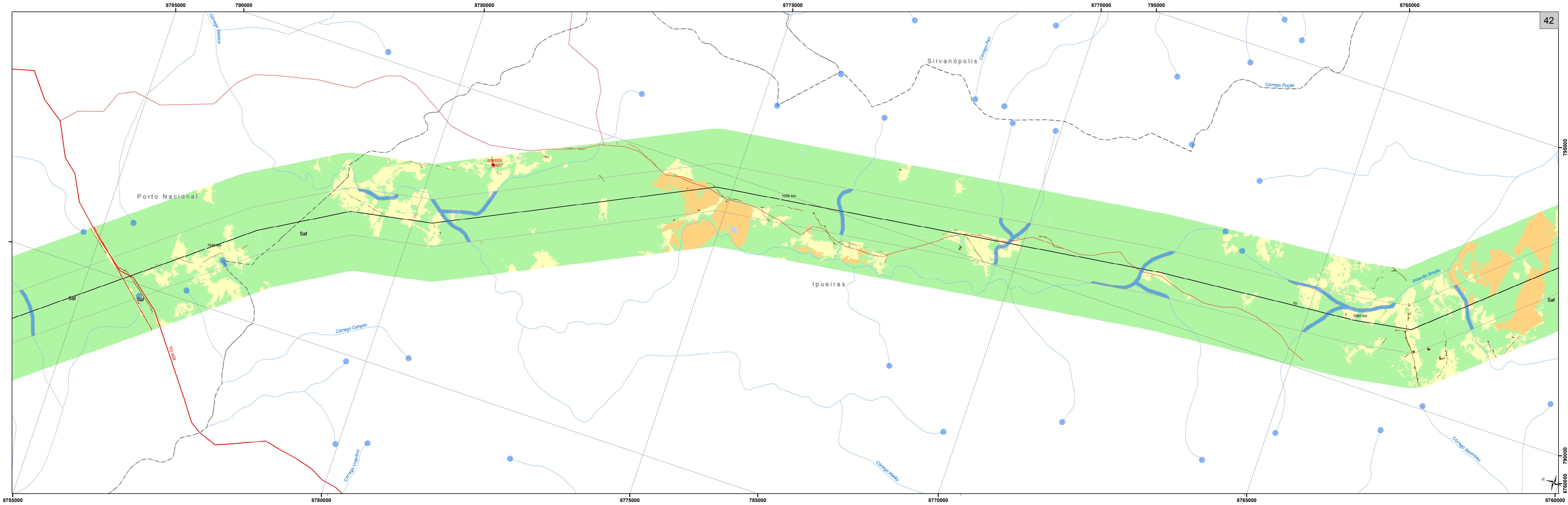
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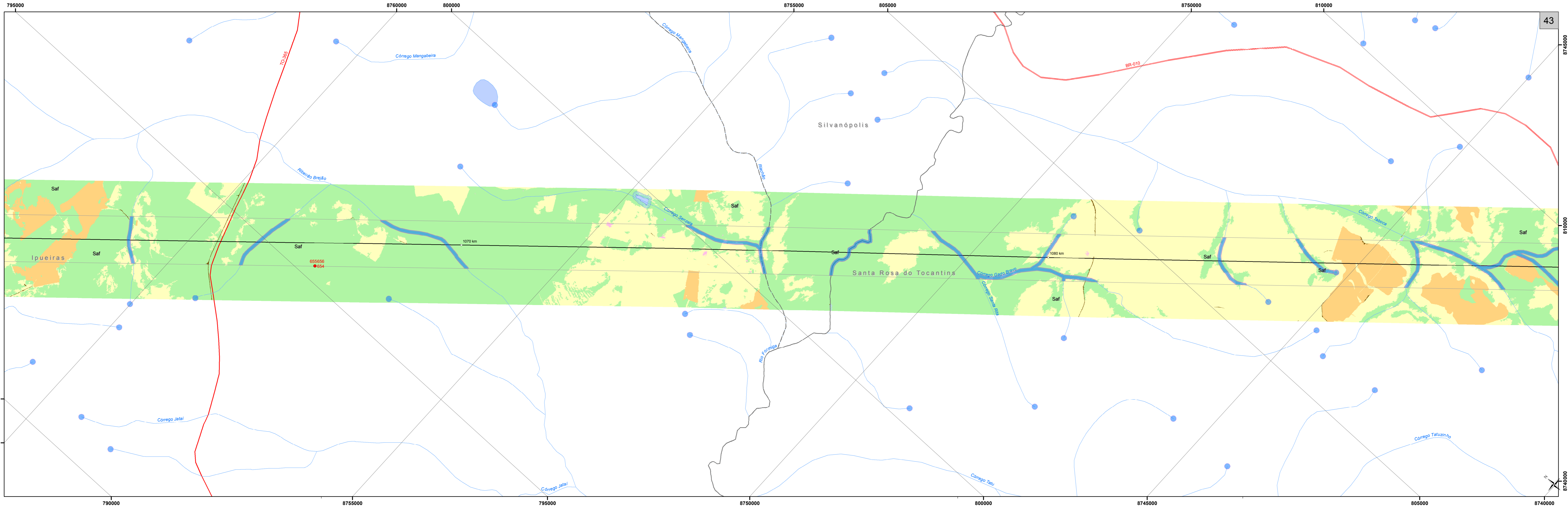
Ipeiras

TO-070

41

N





795000

8760000

800000

8755000

805000

8750000

810000

43

8745000

8740000

8740000

790000

8755000

795000

8750000

800000

8745000

805000

8740000

Saf

Ipueiras

Saf

Saf

655656

654

1070 km

Saf

Saf

Santa Rosa do Tocantins

1080 km

Saf

Saf

Saf

Córrego Senzala

Córrego Mangabeira

Ribeirão Brejão

Riachão

Rio Formiga

Córrego Jataí

Córrego Jataí

Córrego Tatu

Córrego Gado Bravo

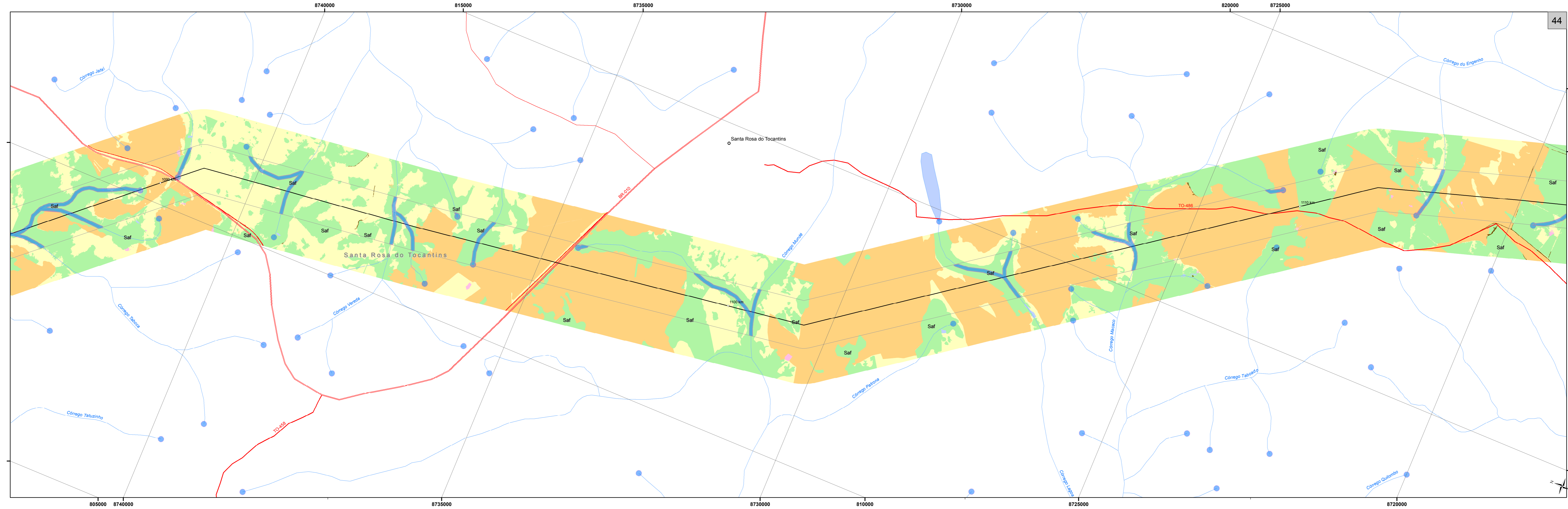
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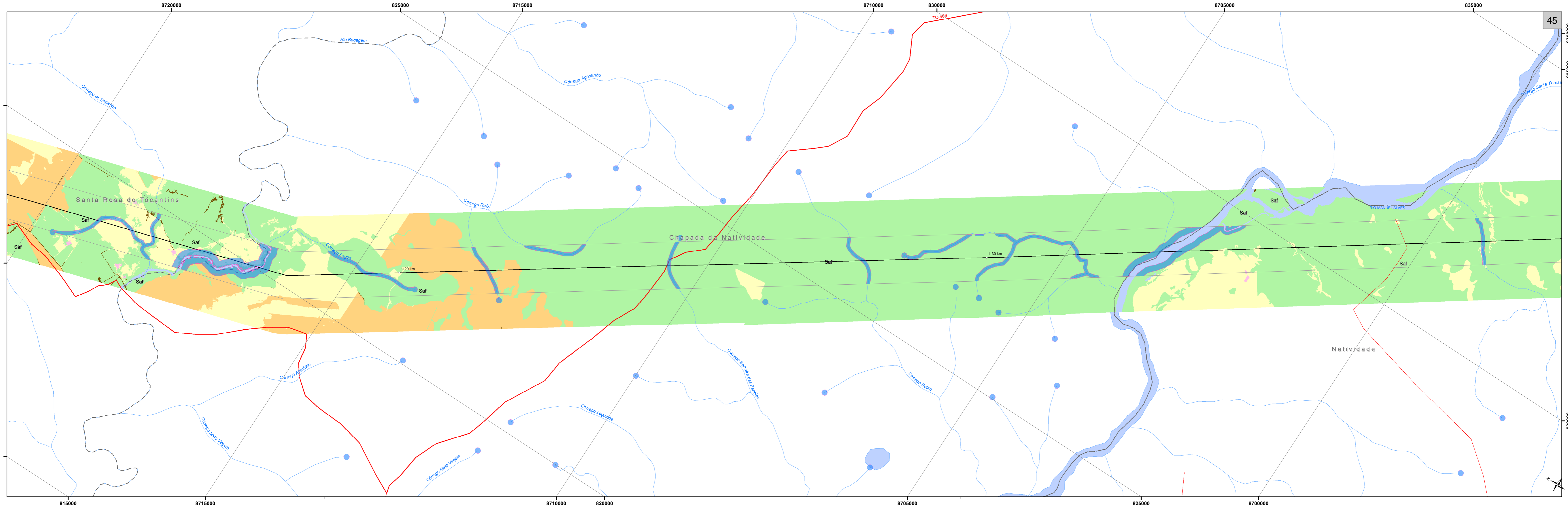
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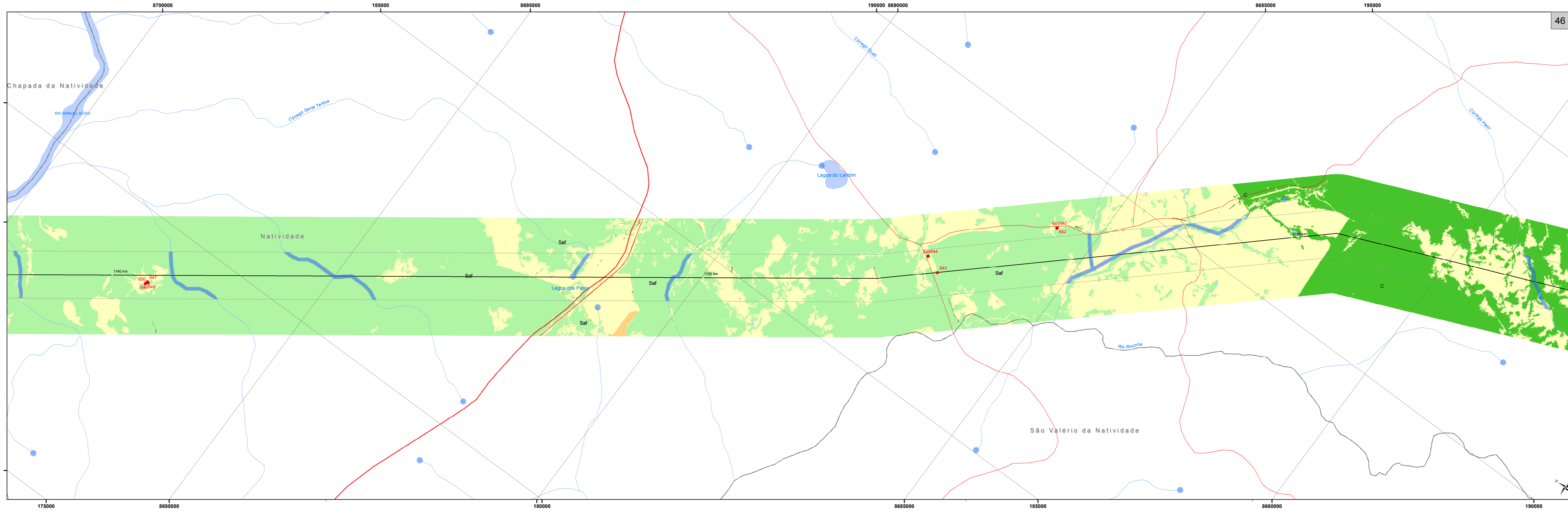
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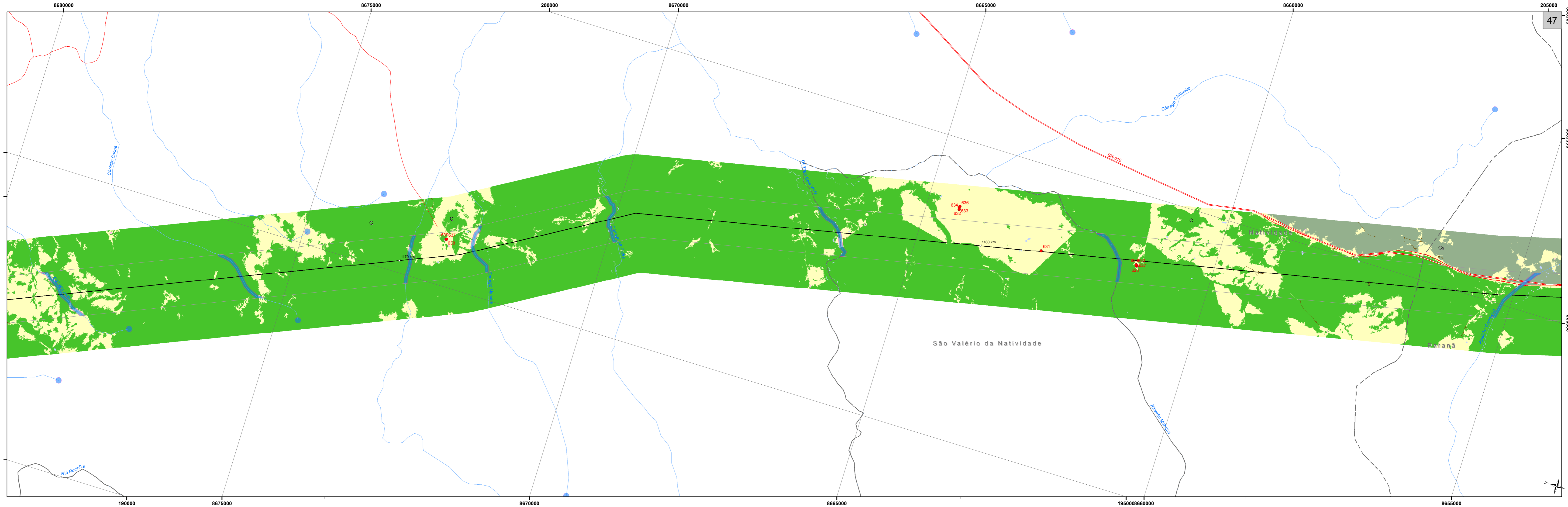
BR-010

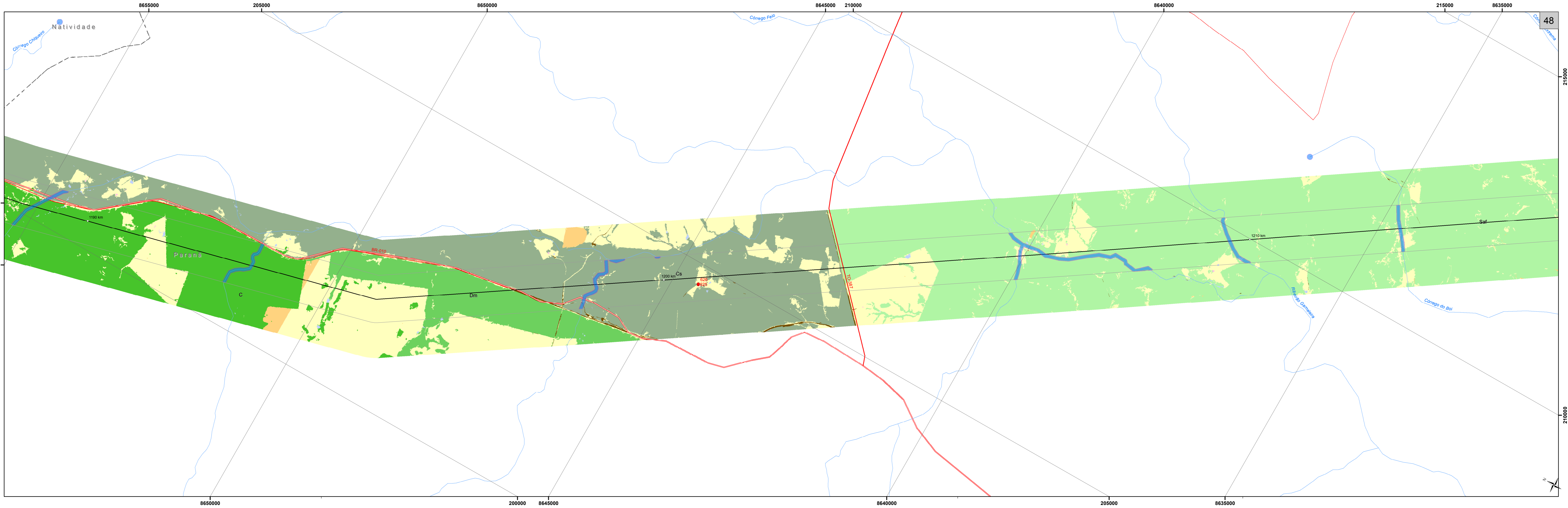
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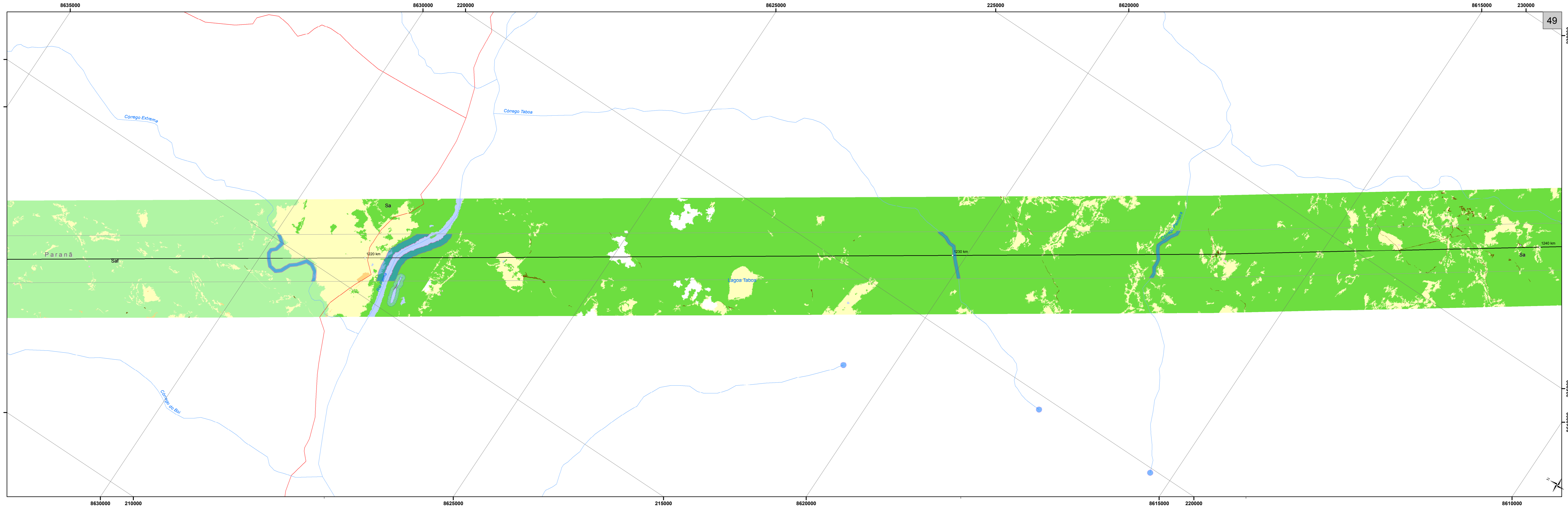


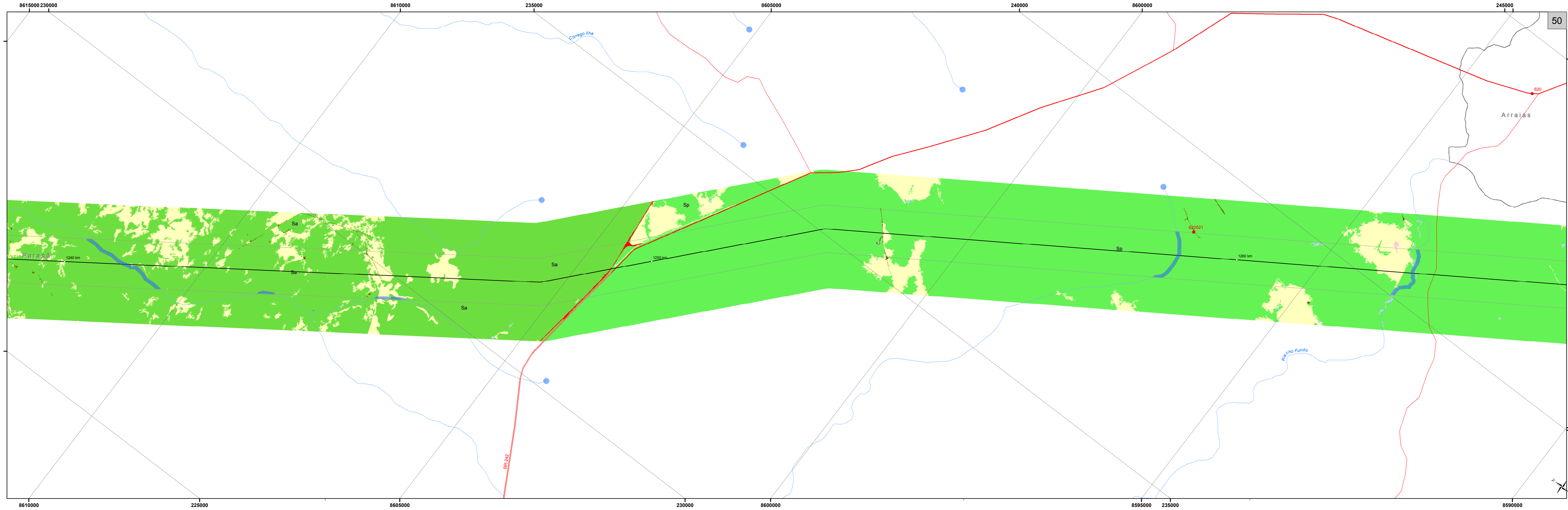


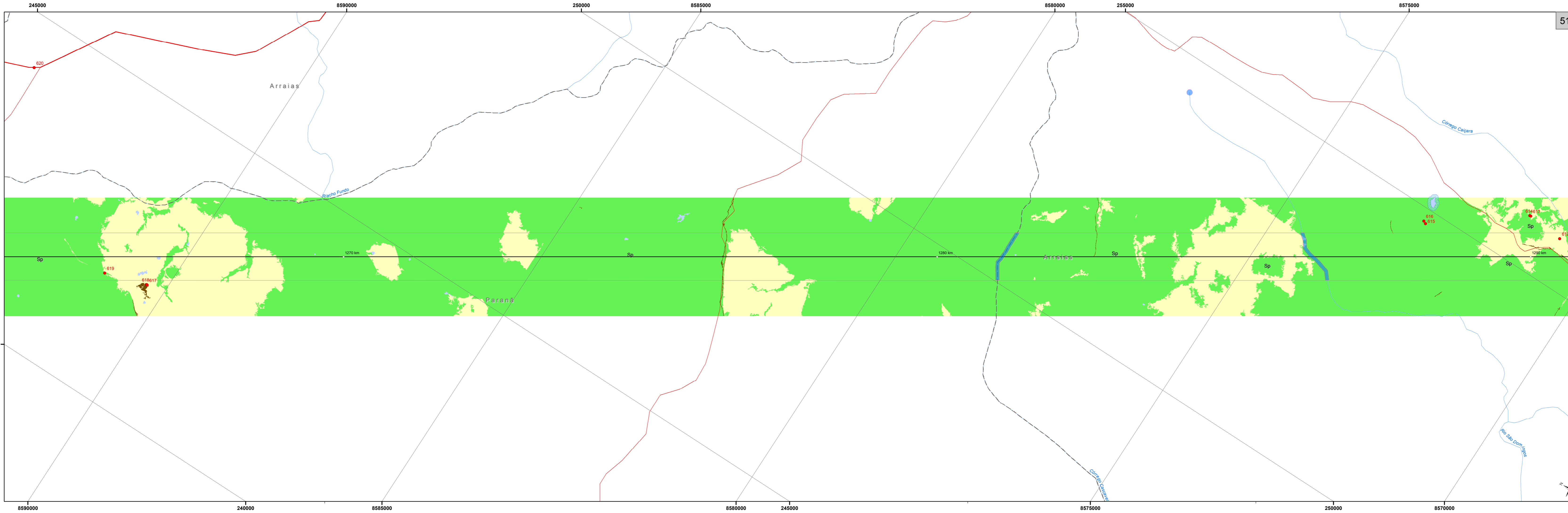












245000

8590000

250000

8585000

8580000

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8575000

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Arraias

Riocho Fundo

Córrego Caçara

Paraná

Arraias

Sp

Sp

Sp

Sp

Sp

619

618617

615

616

614616

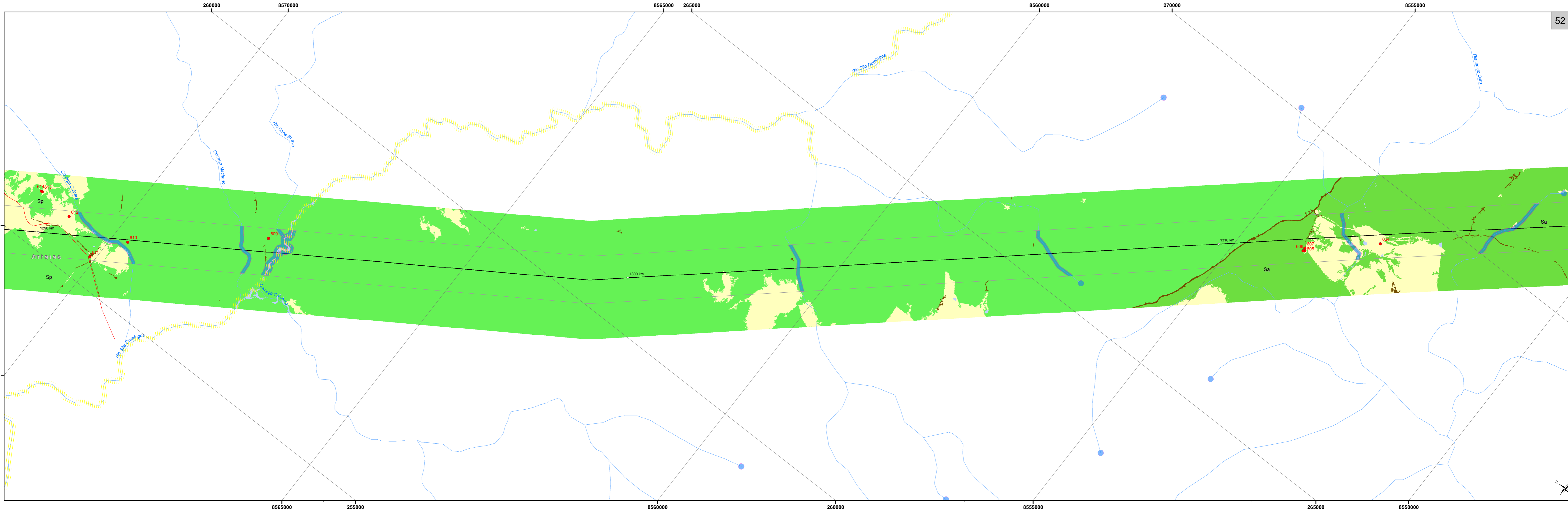
614

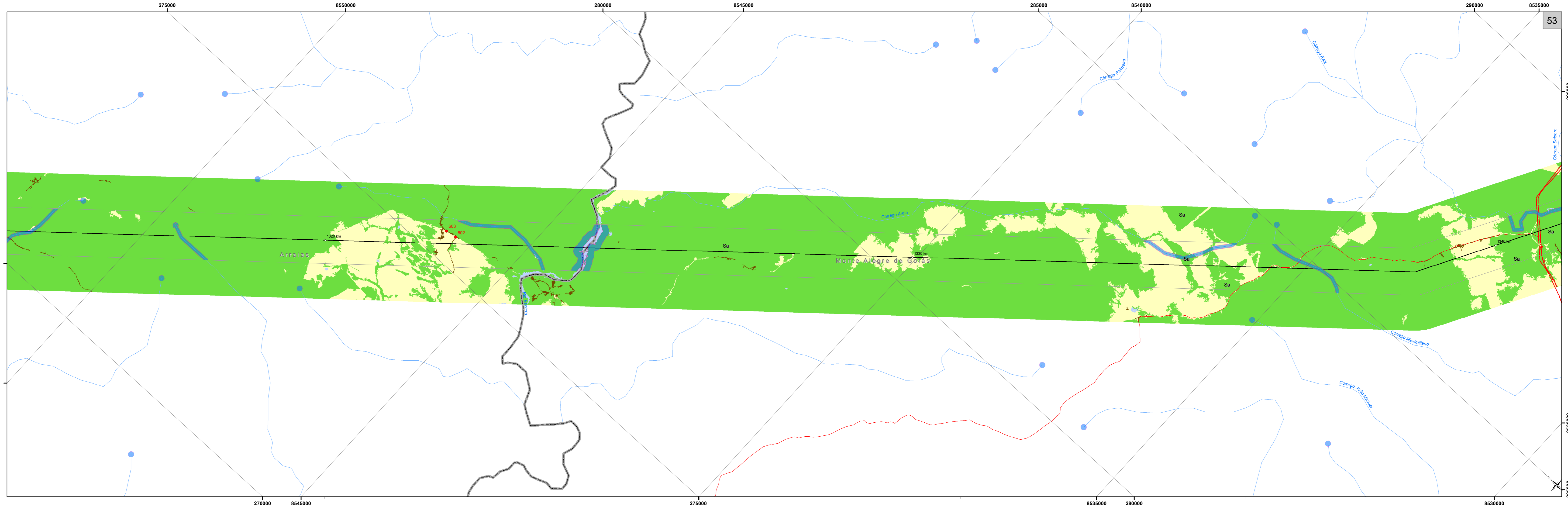
1270 km

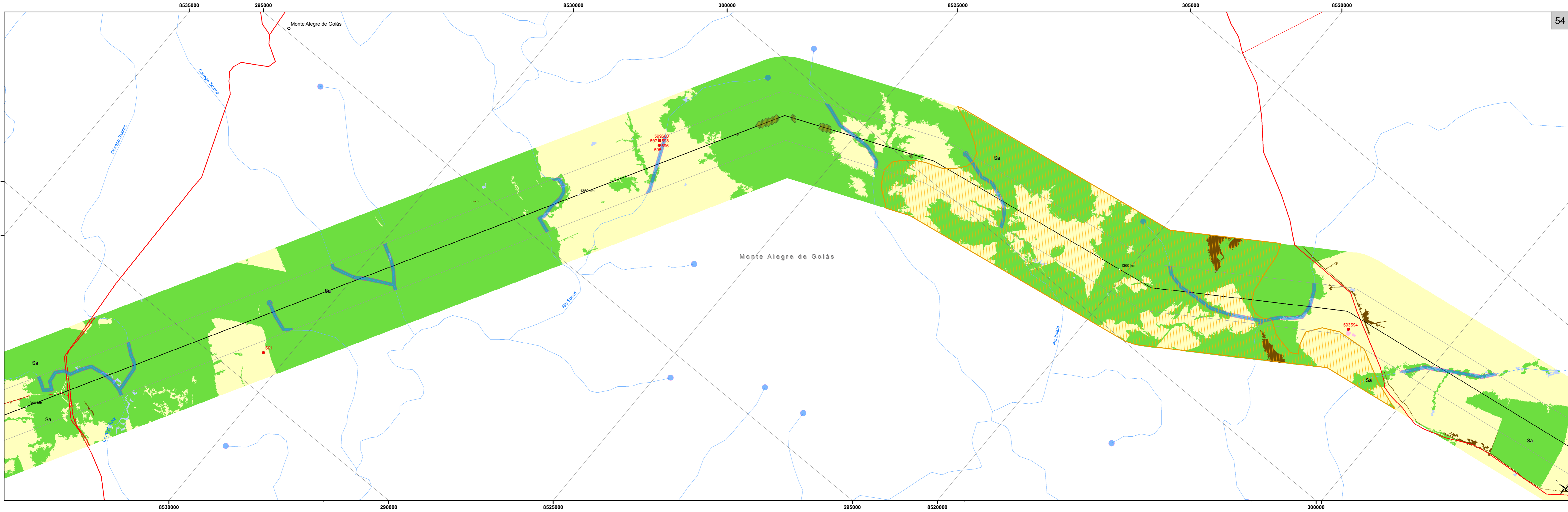
1280 km

1290 km









Monte Alegre de Goiás

Monte Alegre de Goiás

Córrego Taboca

Córrego Salobro

Rio Siquiri

Rio Itaipava

599600
597
598
596
595

801

593594

Sa

Sa

Sa

Sa

Sa

Sa

1350 km

1360 km

1340 km

8530000

295000

8525000

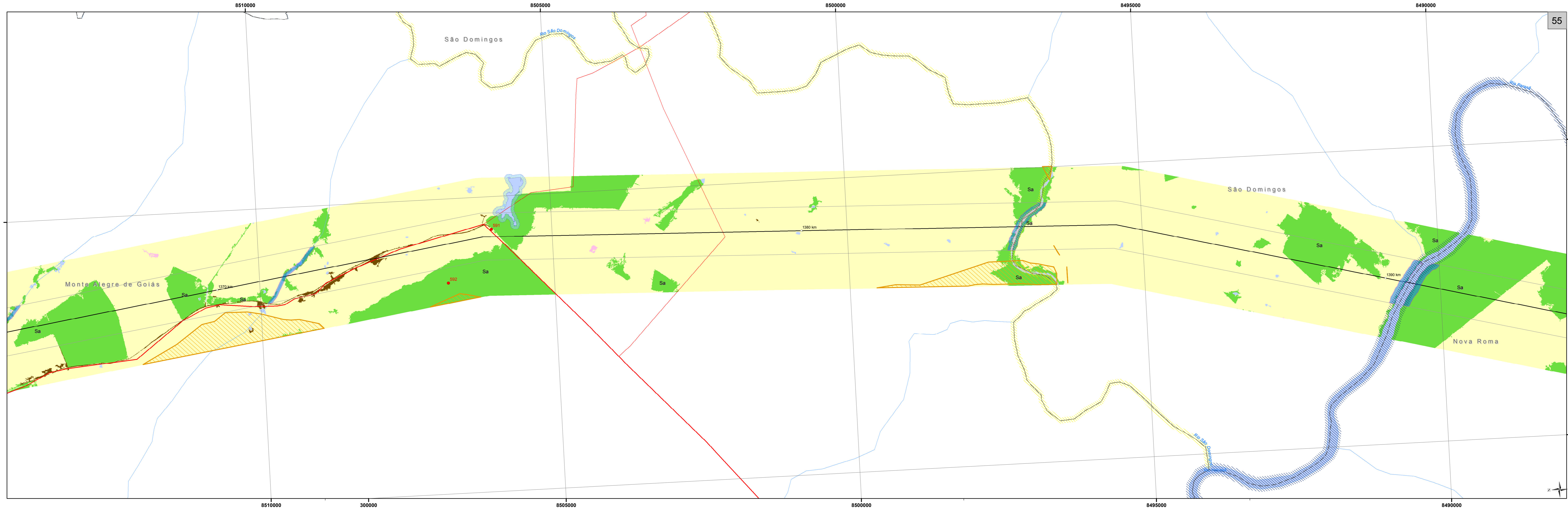
295000

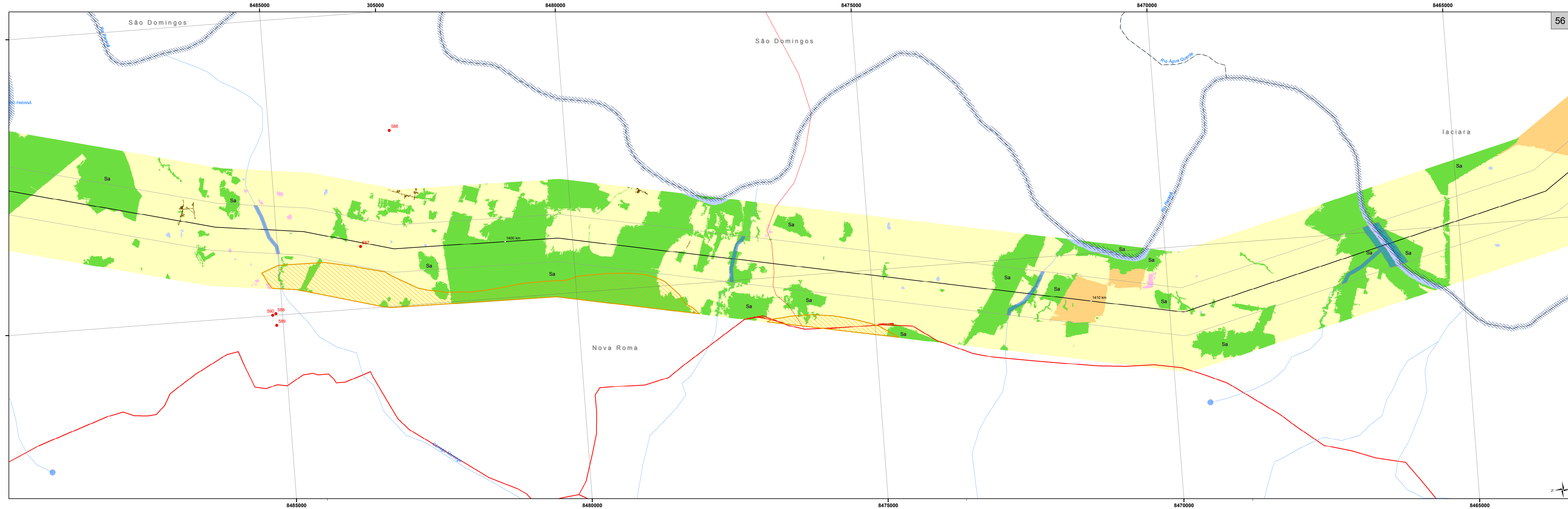
8520000

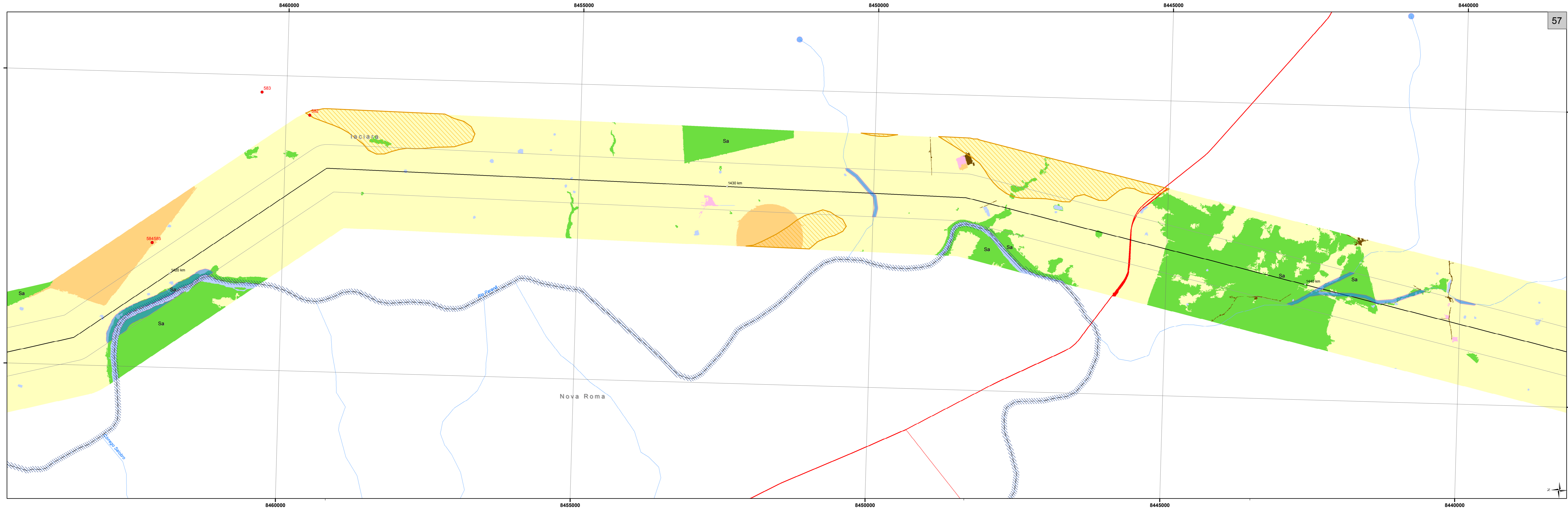
300000

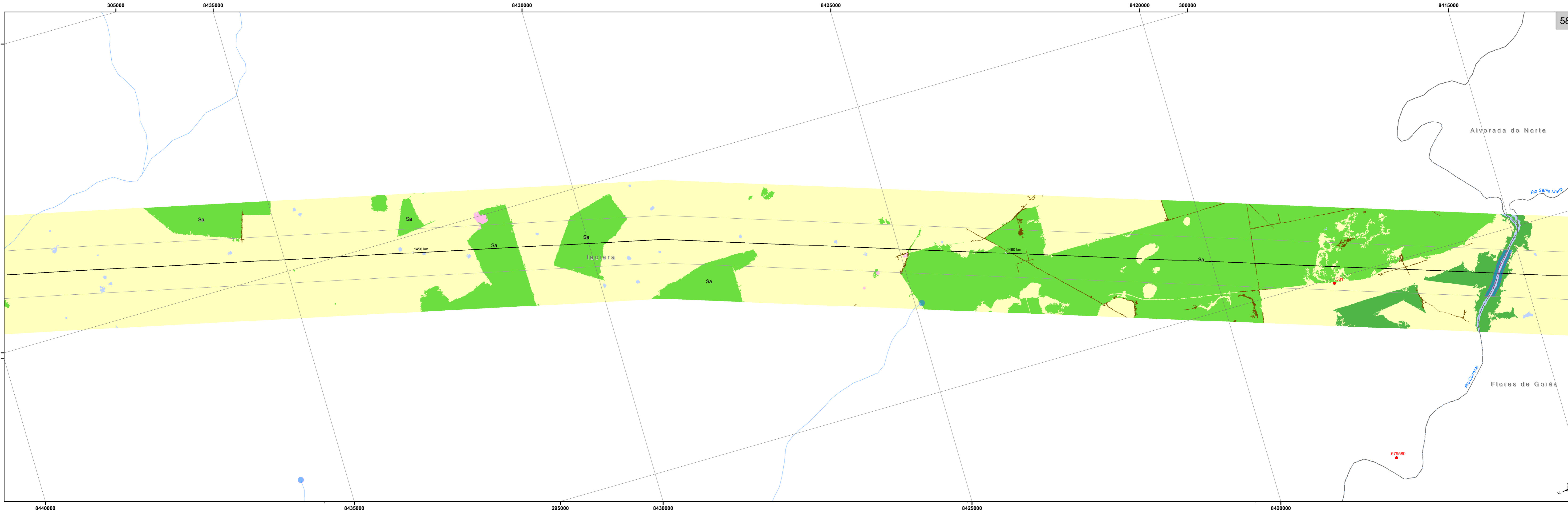
8515000

305000









Alvorada do Norte

Rio Santa Maria

Flores de Goiás

Rio Capangue

579580

Lajarra

Sa

Sa

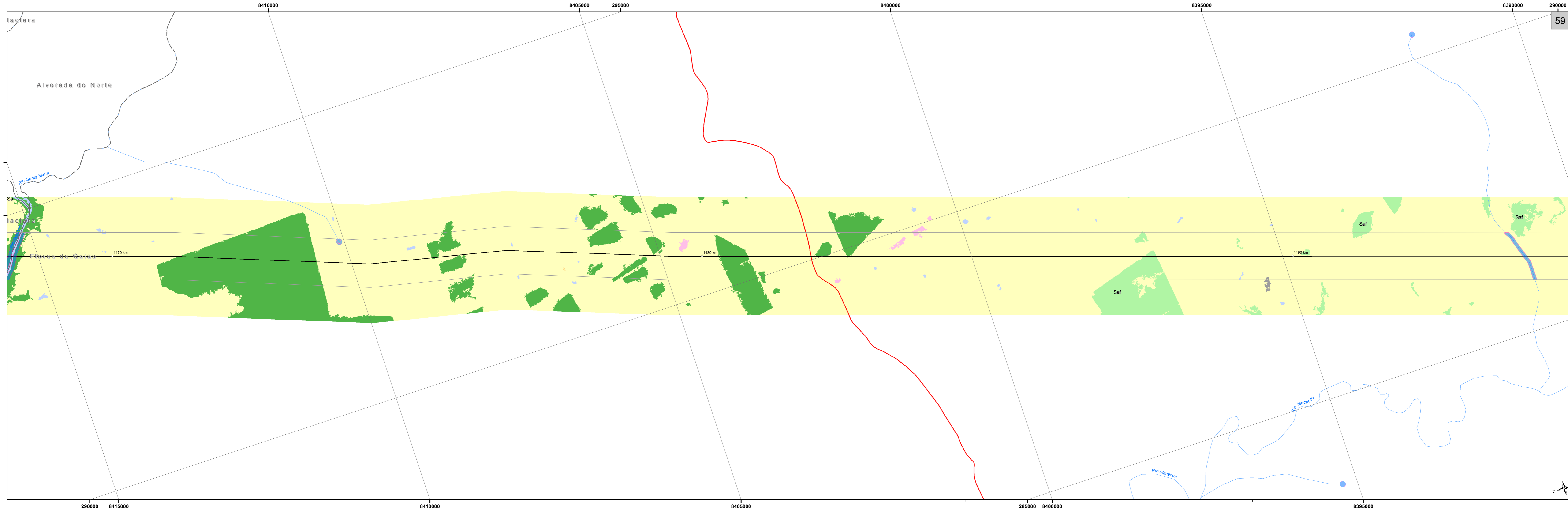
Sa

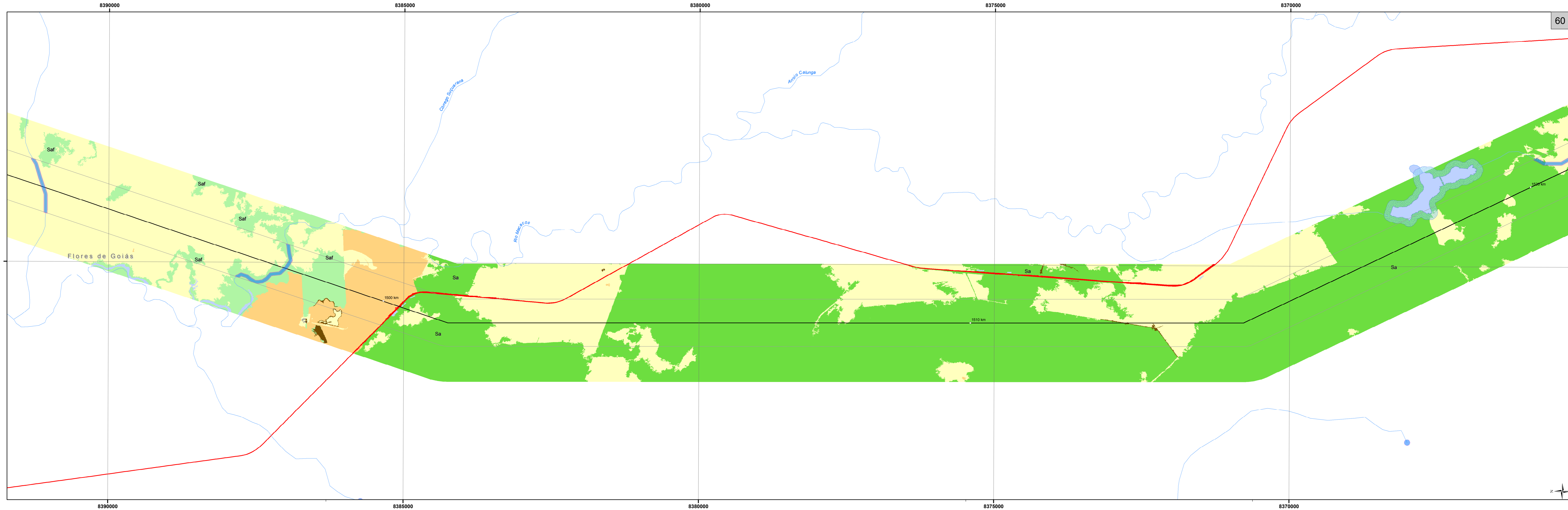
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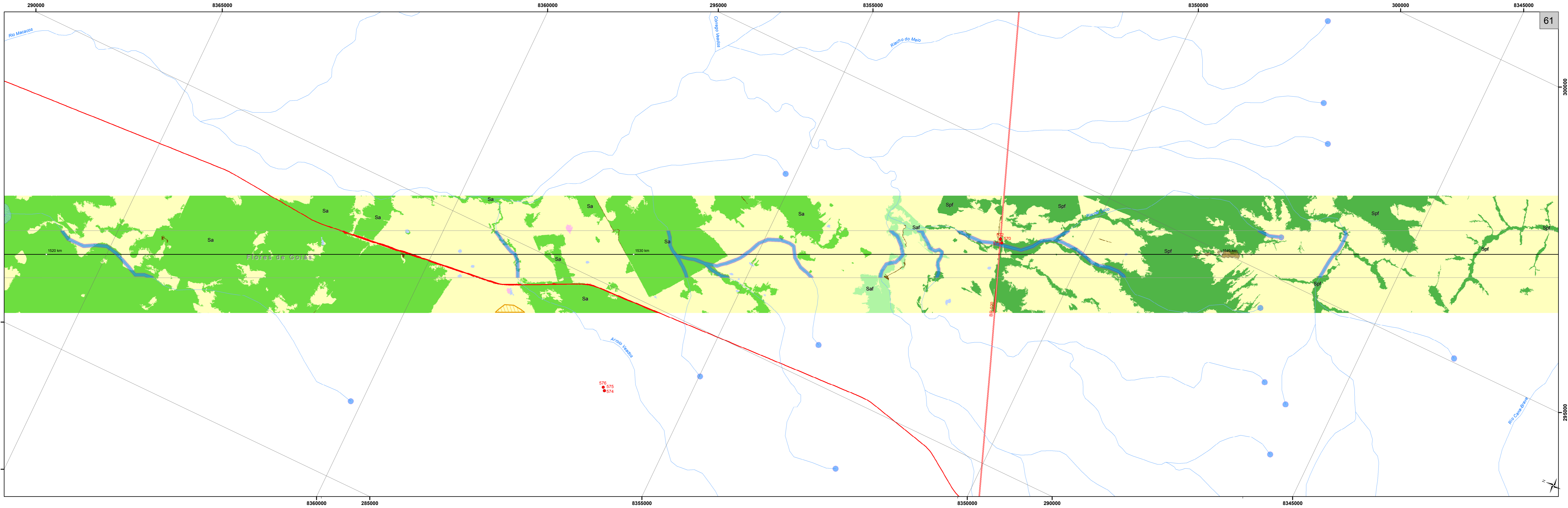
Sa

Sa









Rio Macacos

Rio Verde

Rio do Meio

Rio Verde

Rio Branco

Arroio Leões

Flores de Goiás

BR-420

576
575
574

572
570

1520 km

1530 km

1540 km

8360000 2850000

8355000

8350000

290000

8345000

290000

8365000

8360000

295000

8355000

8350000

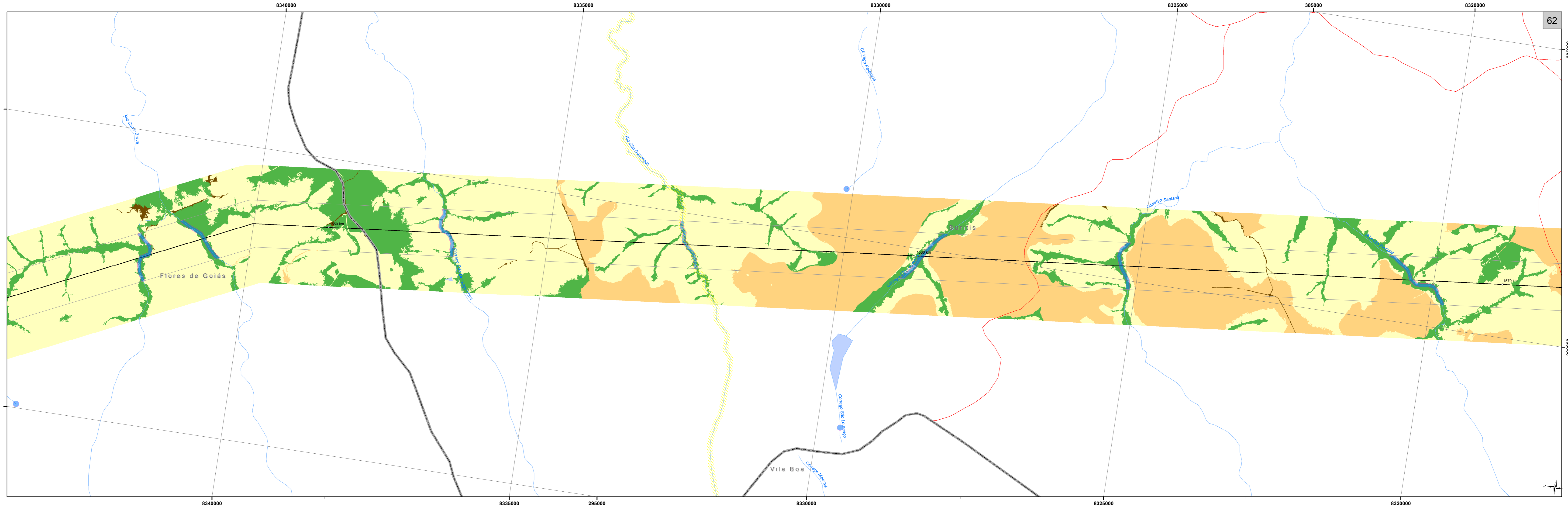
300000

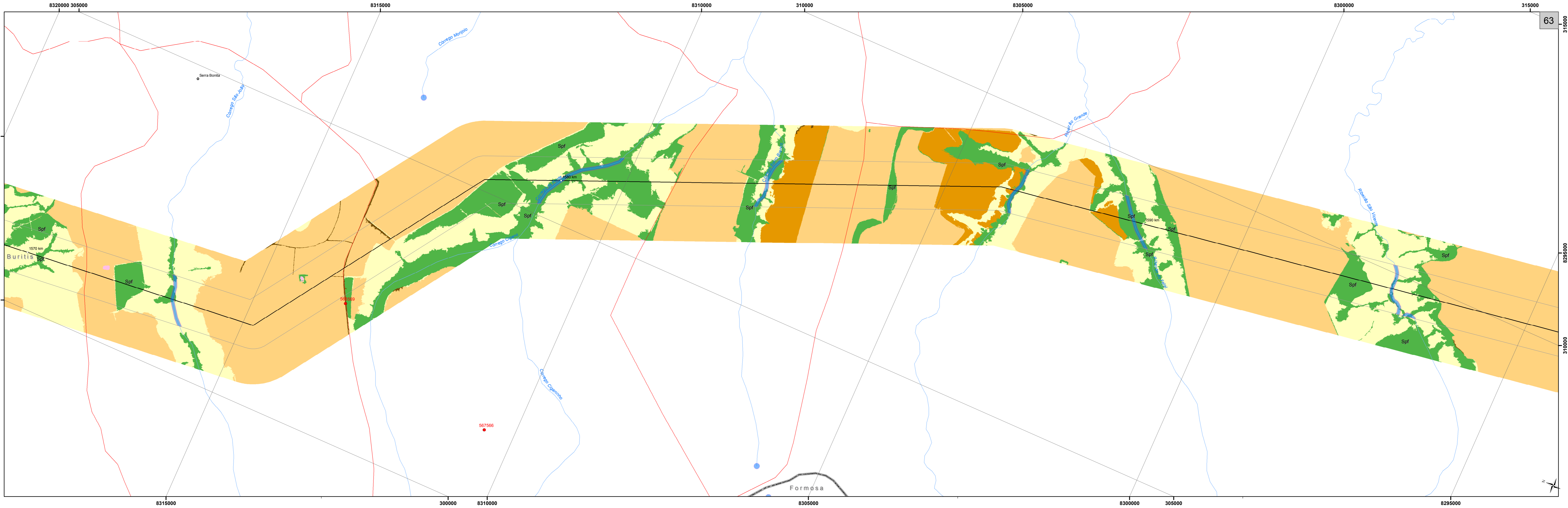
8345000

300000

295000







Serra Bonita

Corrego São João

Corrego Moinho

Ribeirão Grande

Ribeirão São Vicente

Corrego Caramelo

Formosa

Buritis

Spf

Spf

Spf

Spf

Spf

Spf

Spf

Spf

Spf

Spf

Spf

567569

567566

8315000

300000

8310000

8305000

8300000

305000

8295000

8320000

8315000

8310000

310000

8305000

8300000

315000

1570 km

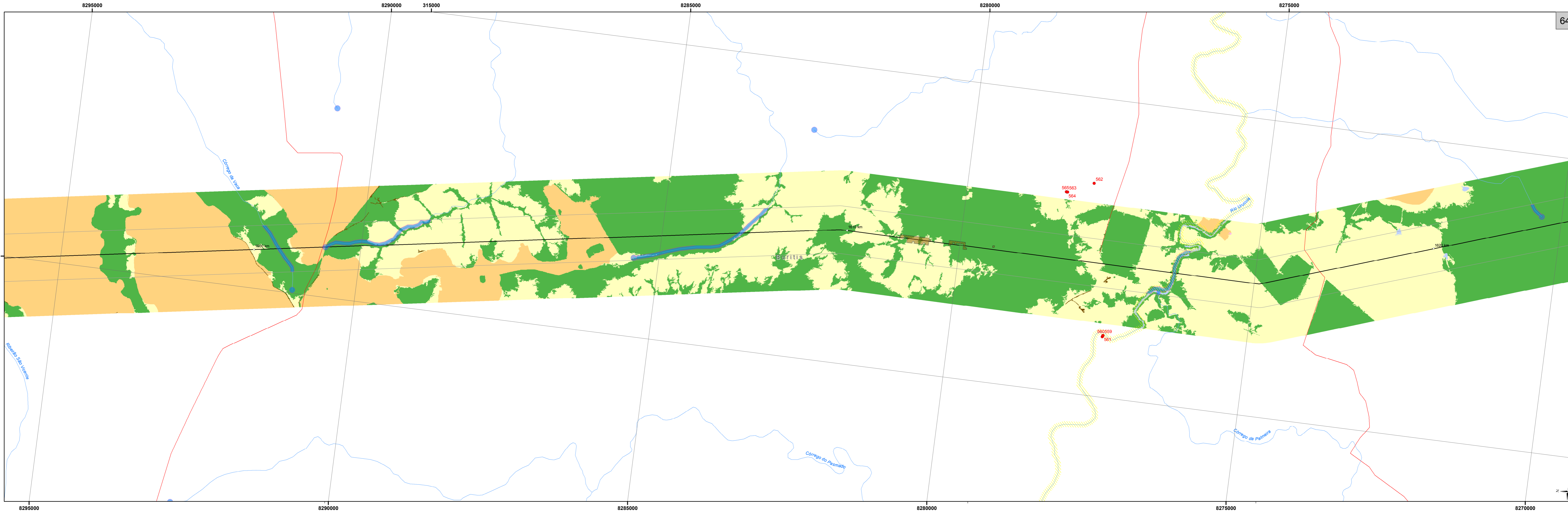
1580 km

1590 km

829500

310000





8295000

8290000

315000

8285000

8280000

8275000

317000

315000

310000

8295000

8290000

8285000

8280000

8275000

8270000

Córrego da Vaca

Rio Urucubá

Ribeirão São Vicente

Córrego do Pasmado

Córrego da Palmeira

Brittas

1600 km

1610 km

1620 km

565563

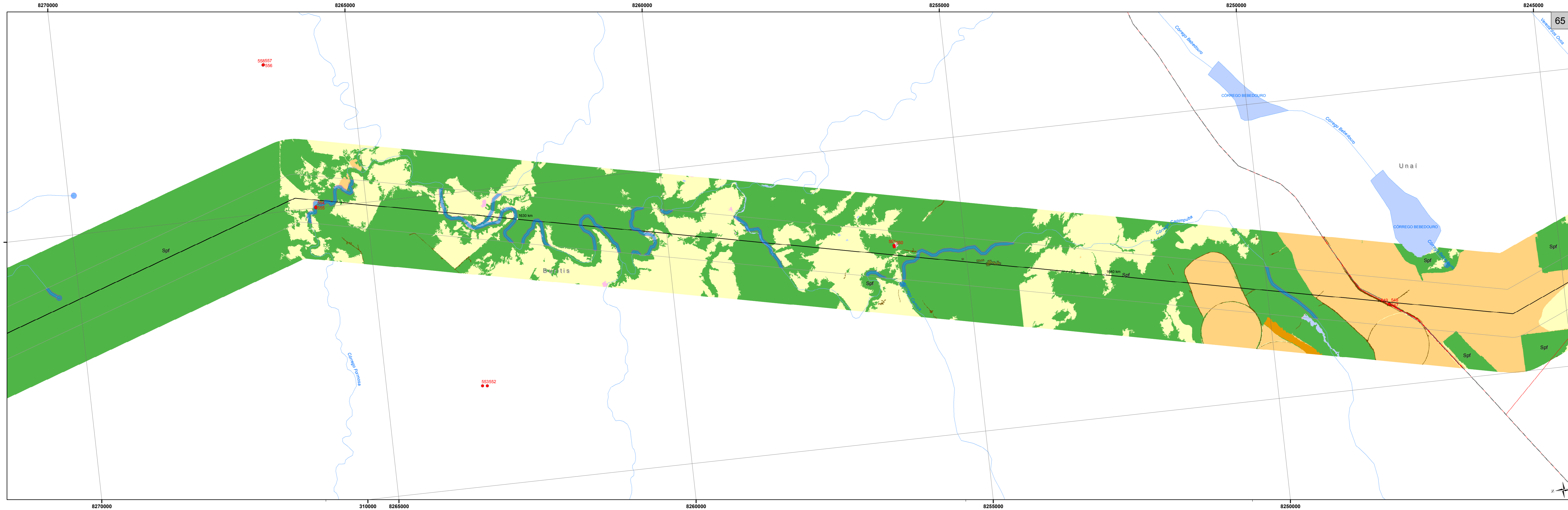
562

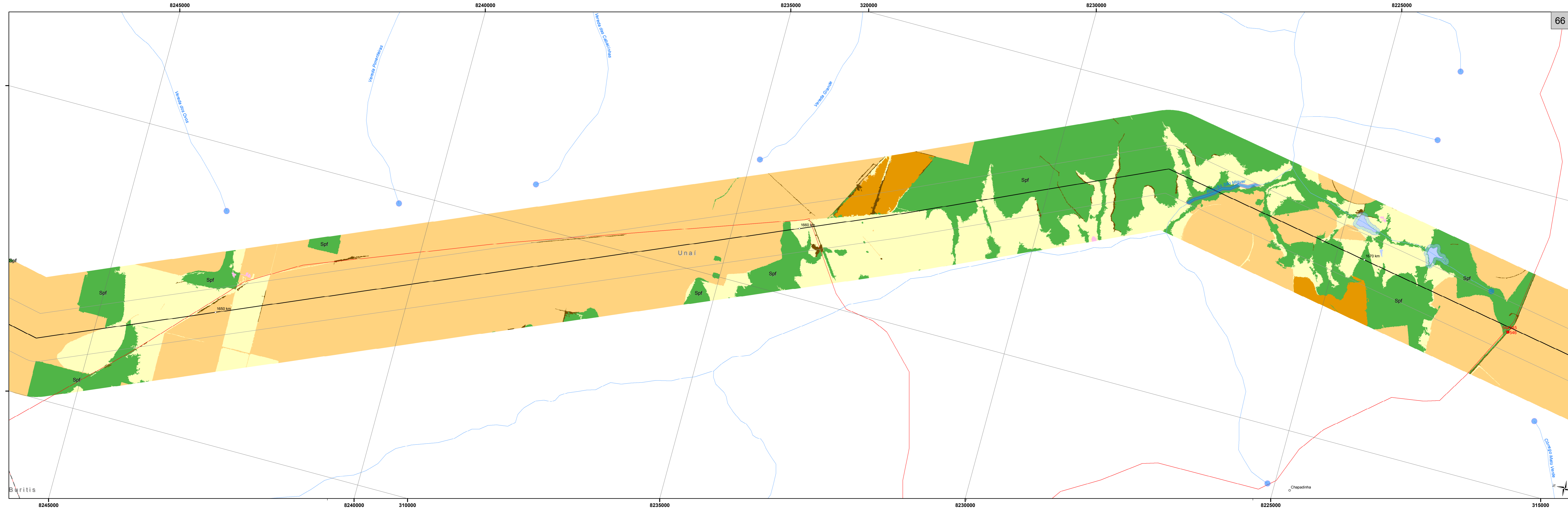
564

560559

561







8245000

8240000

8235000

320000

8230000

8225000

66

320000

Spf

Unai

Chapadinha

Buritis

1680 km

1660 km

1670 km

545
546

8245000

8240000

310000

8235000

8230000

8225000

315000

Vereda das Casquinhas

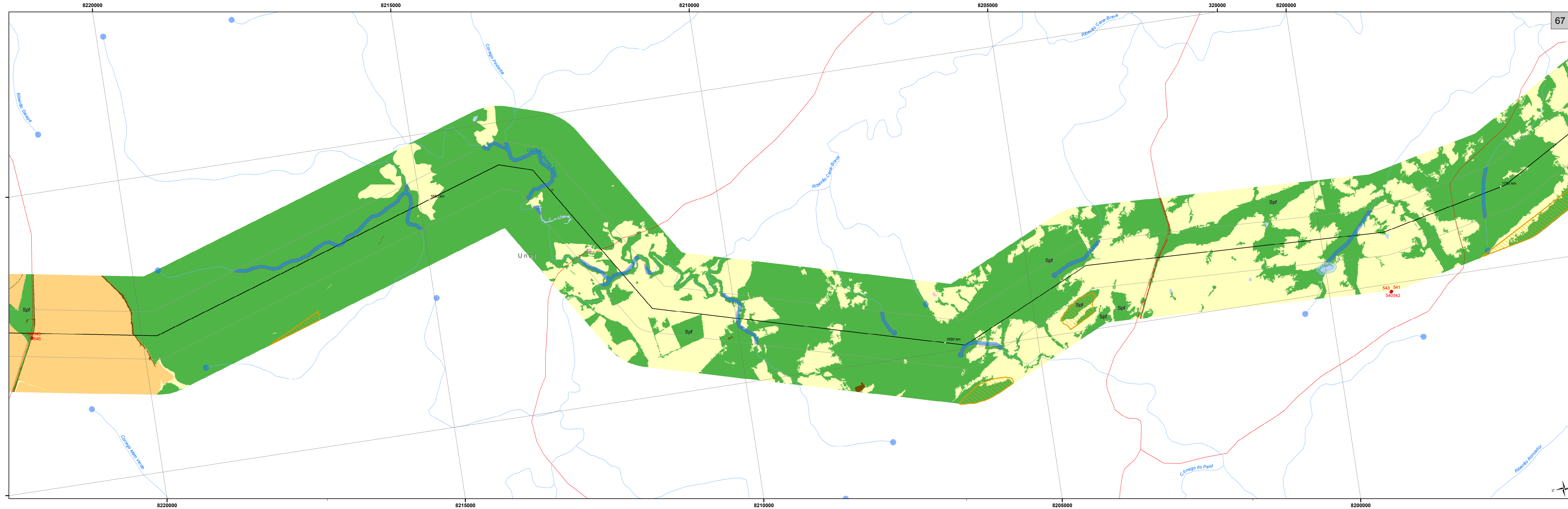
Vereda Pimentelas

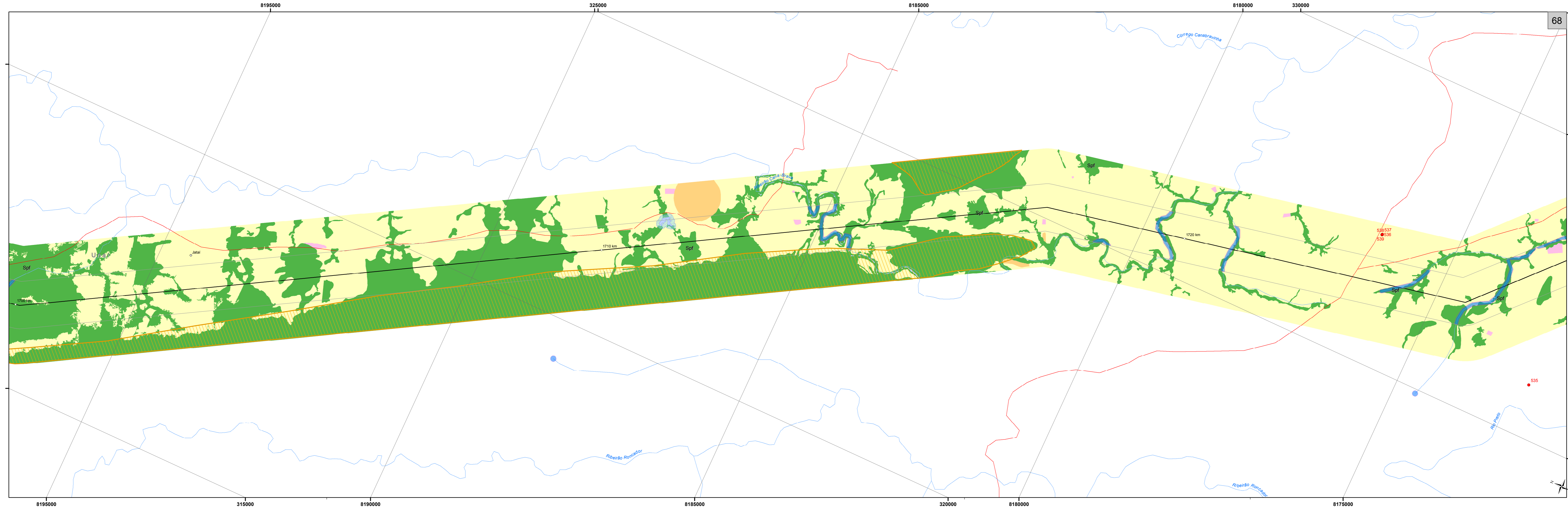
Vereda das Casquinhas

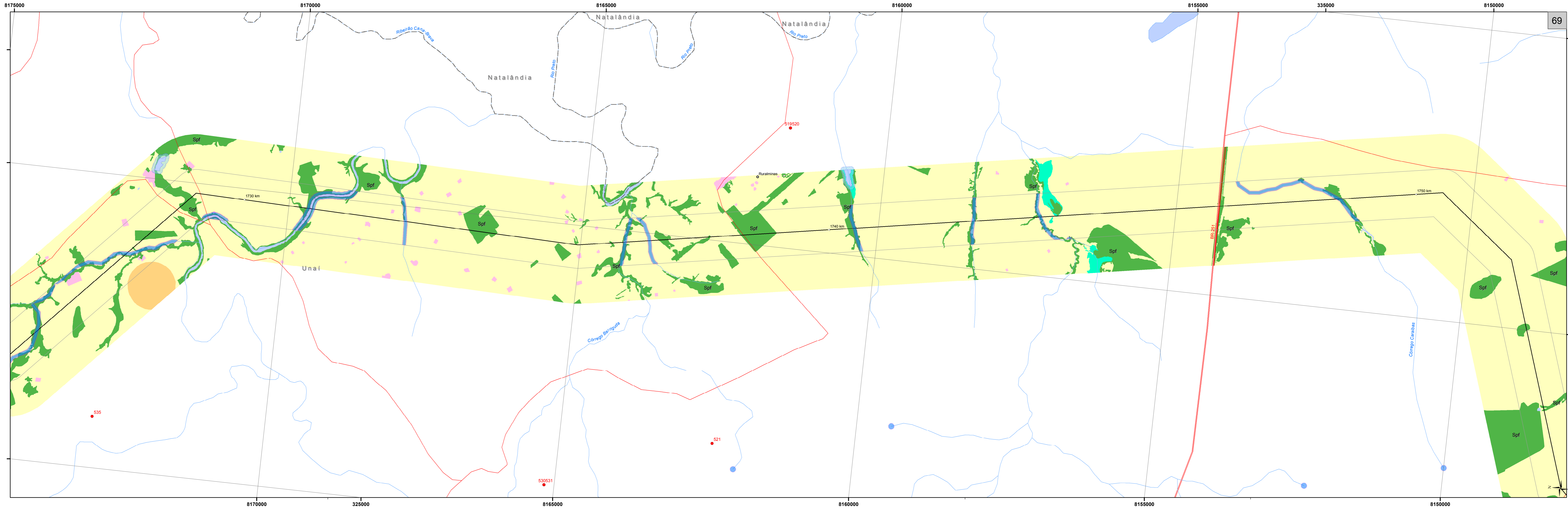
Vereda Grande

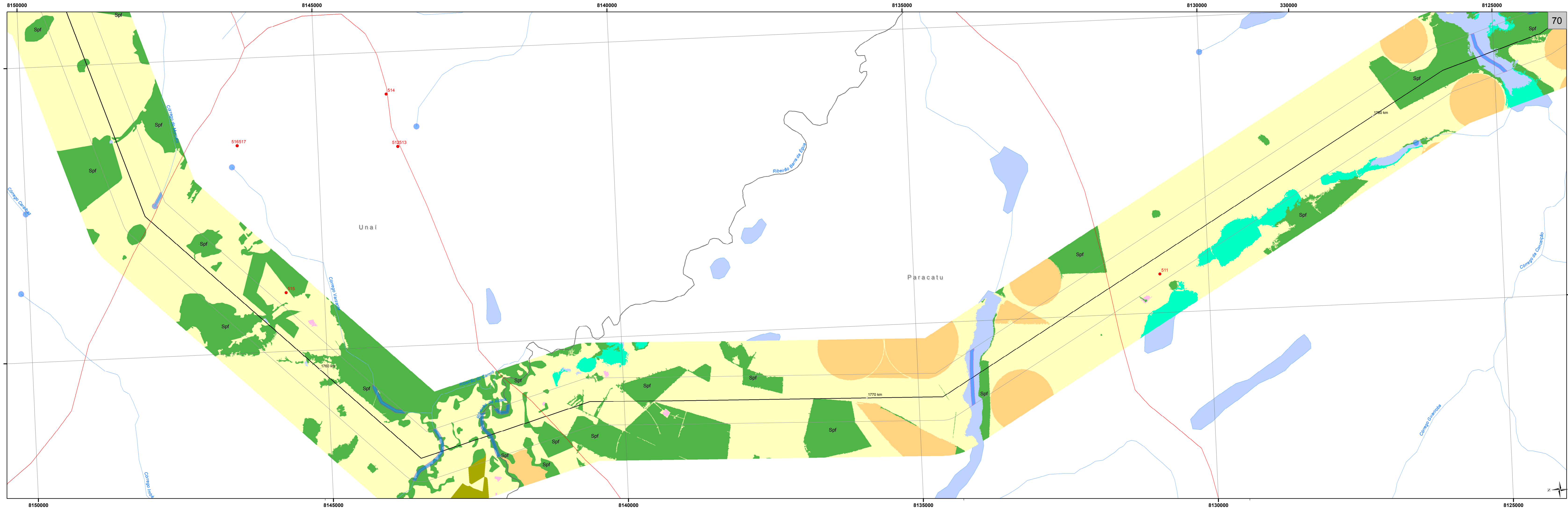
Rio Miguel

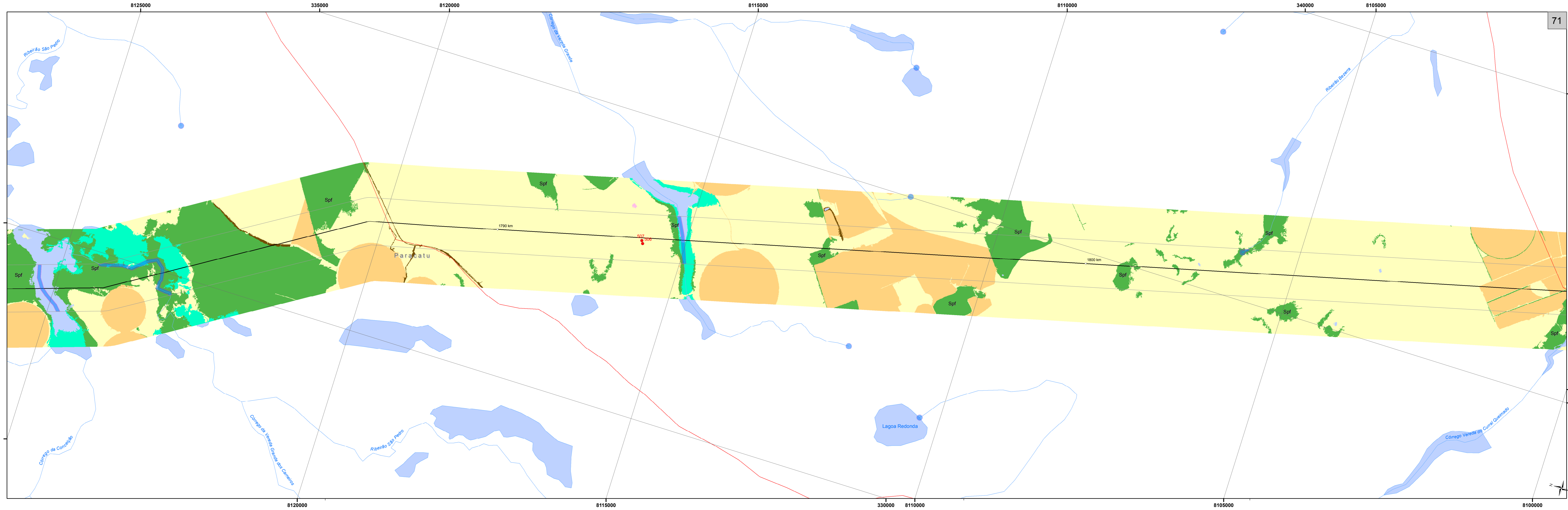
Carrego Maria Verde

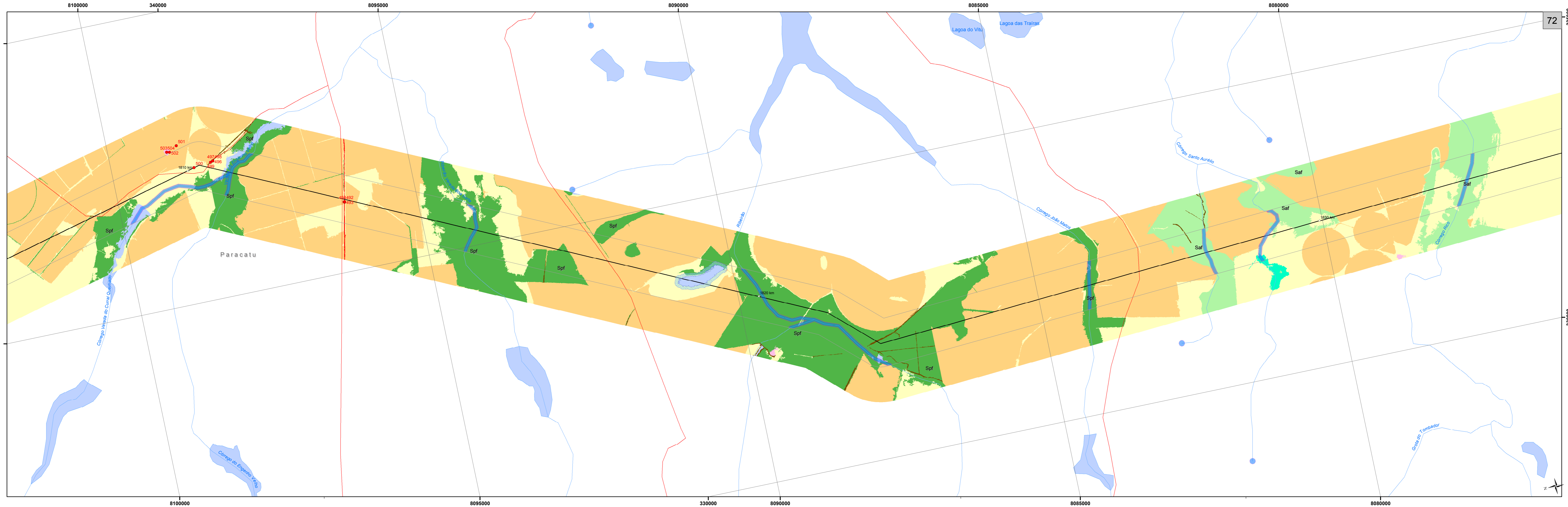


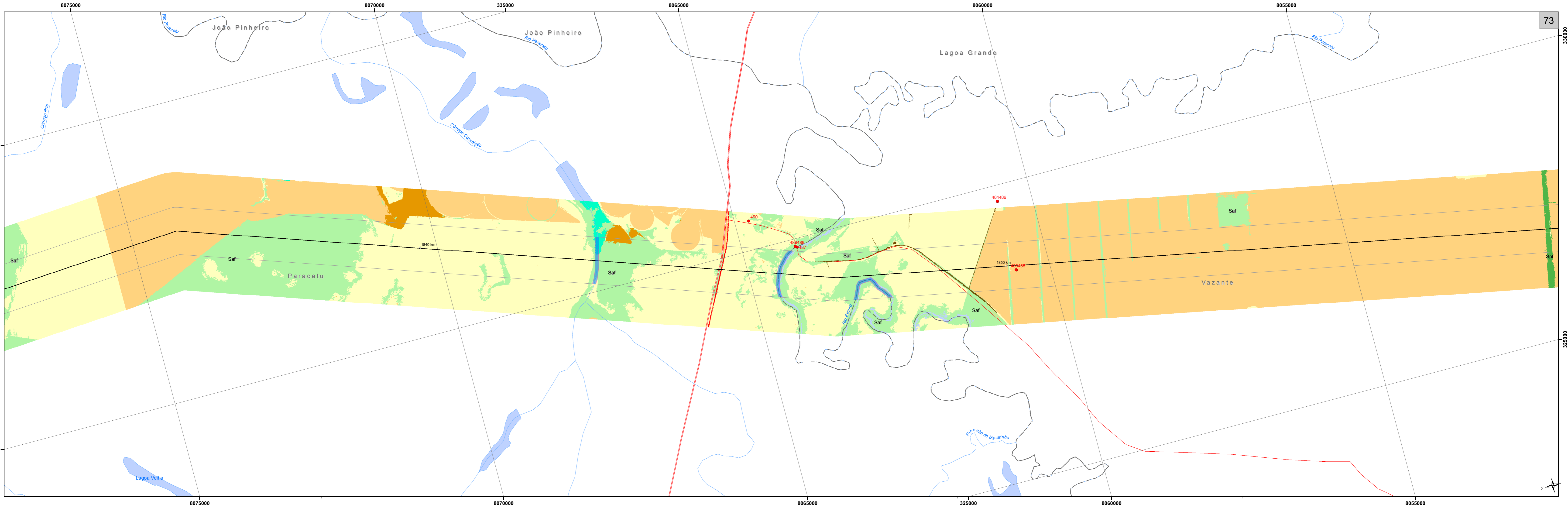


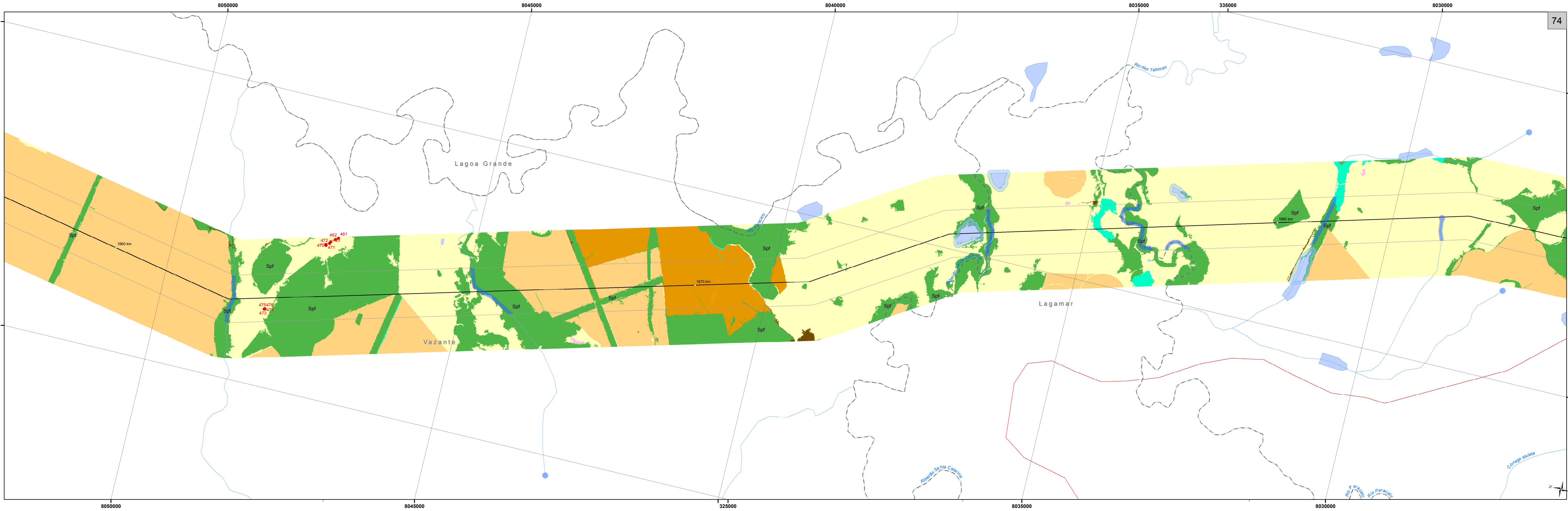


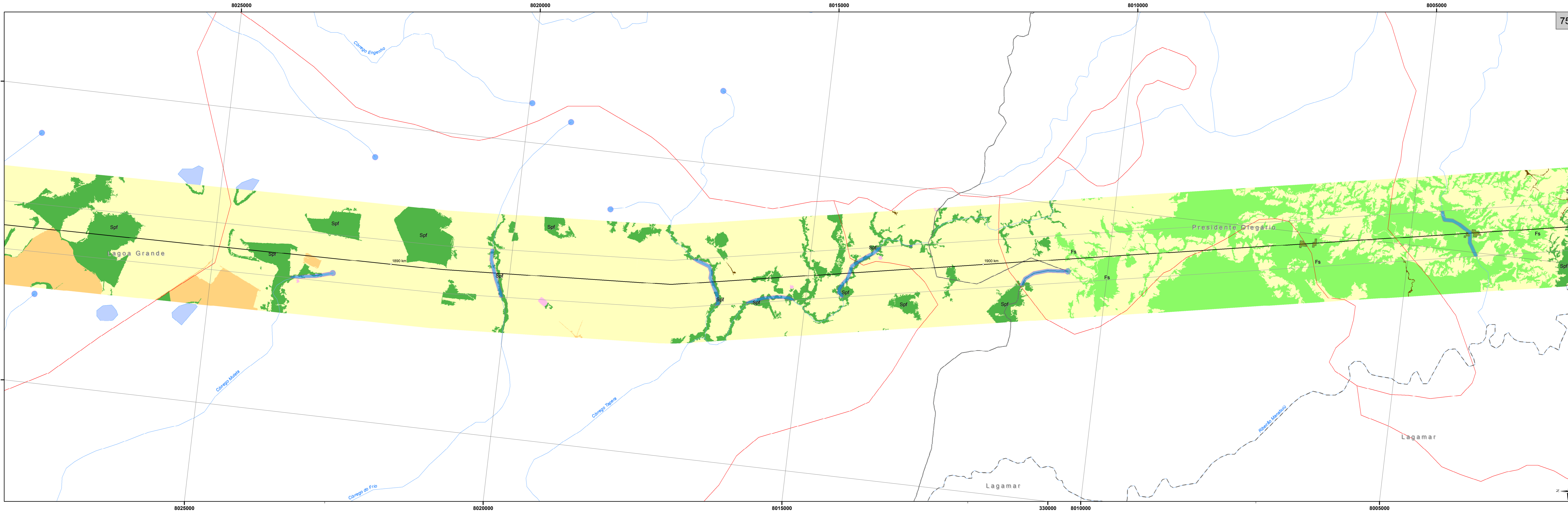












8025000

8020000

8015000

8010000

8005000

8025000

8020000

8015000

330000 8010000

8005000

Córrego do Frio

Córrego Muleta

Córrego Tapera

Ribeirão Marabau

Córrego Engenho

Lagoa Grande

Presidente Dregário

Lagamar

Lagamar

Spf

Spf

Spf

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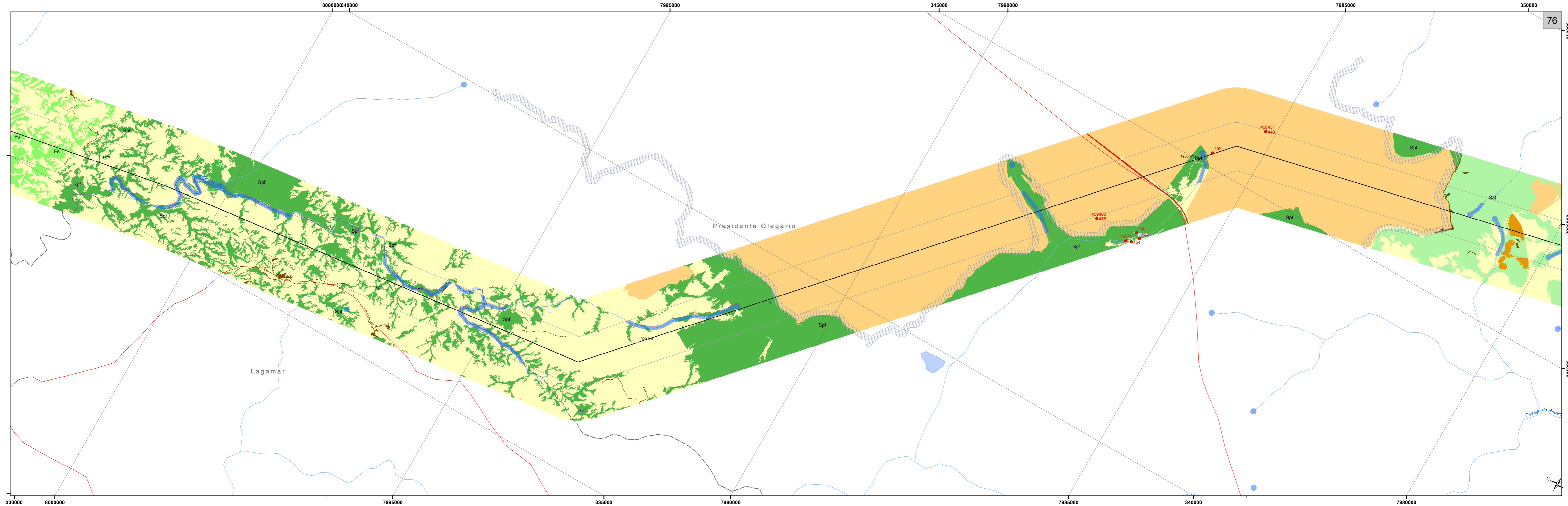
Spf

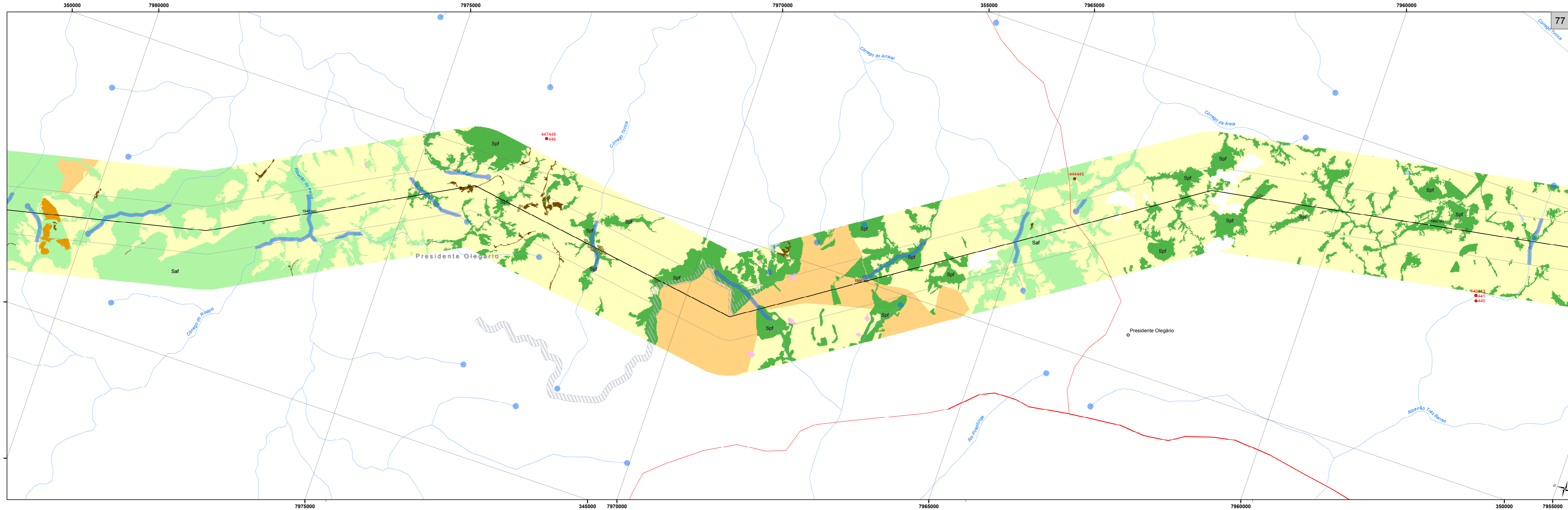
1890 km

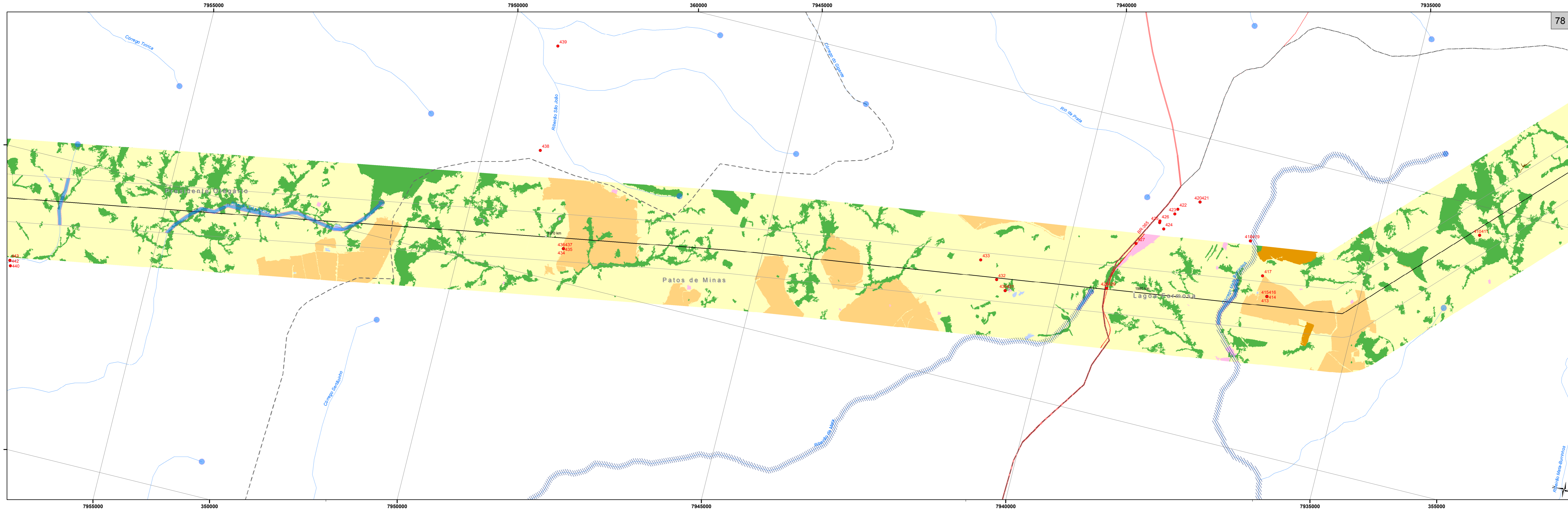
1900 km

335000









7955000

7950000

360000

7945000

7940000

7935000

7955000

350000

7950000

7945000

7940000

7935000

350000

Presidente Olegário

Patos de Minas

Lagoa Formosa

Corrego Tirica

Ribeirão São João

Corrego do Galvão

Rio de Prata

Corrego Sertãozinho

Ribeirão Verde

Ribeirão Mata-Burritas

443

442

440

438

439

437

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434

433

432

431

427

428

426

424

423

422

420421

418419

417

415416

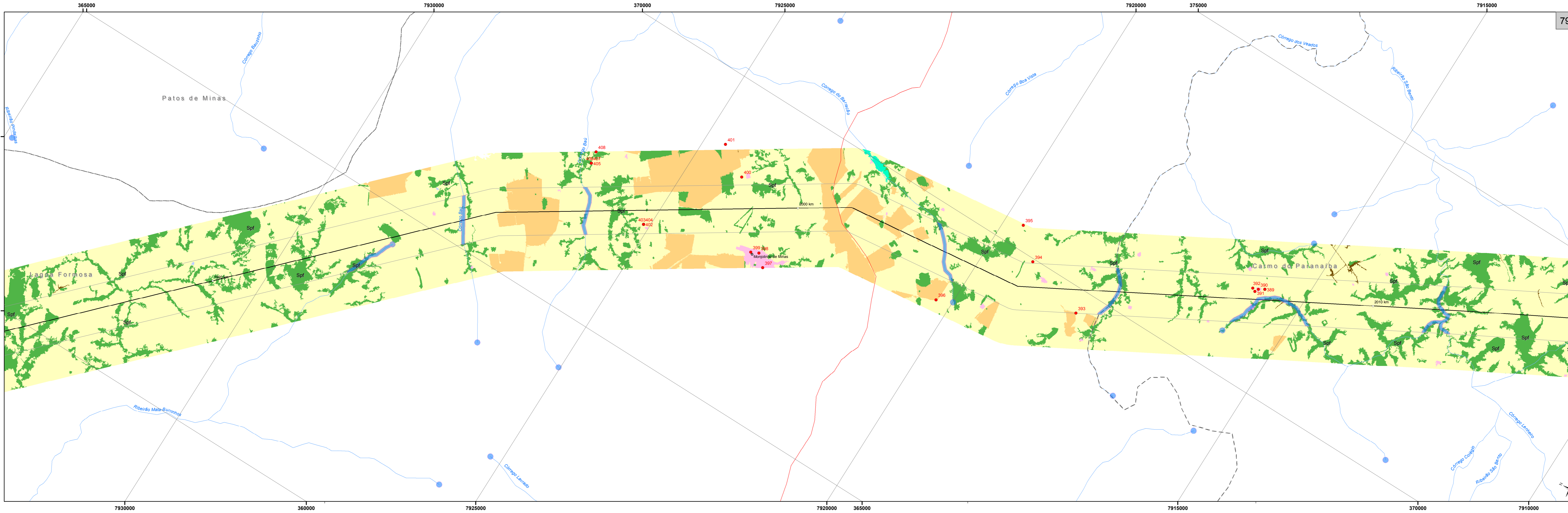
414

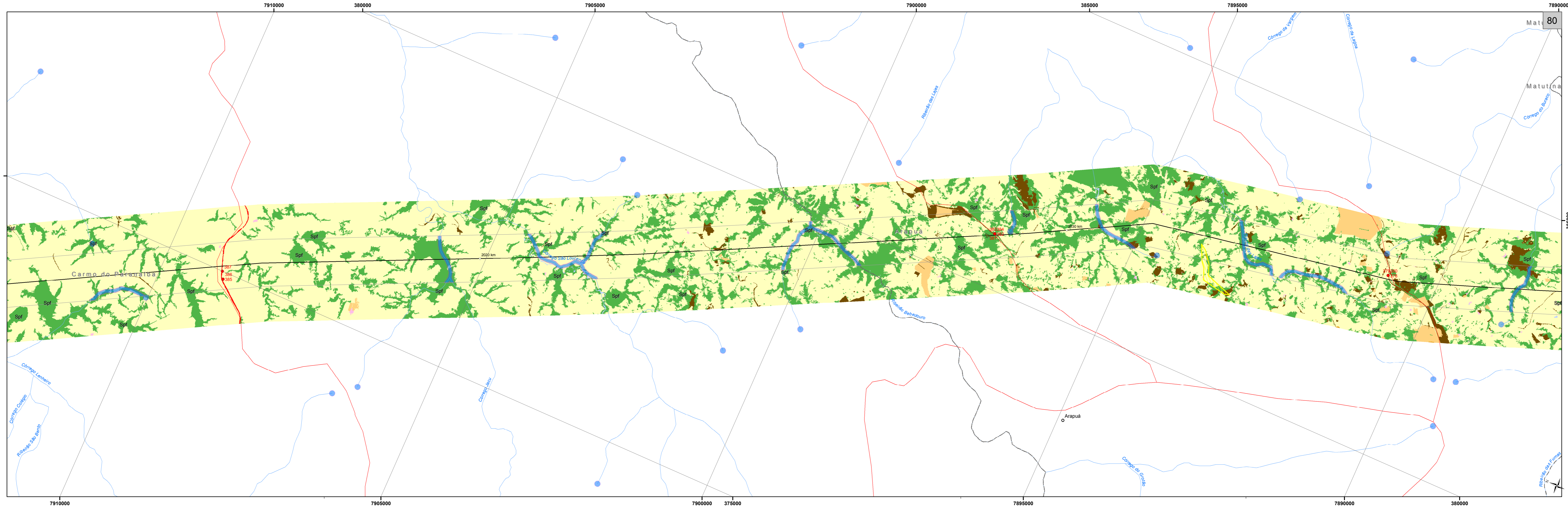
413

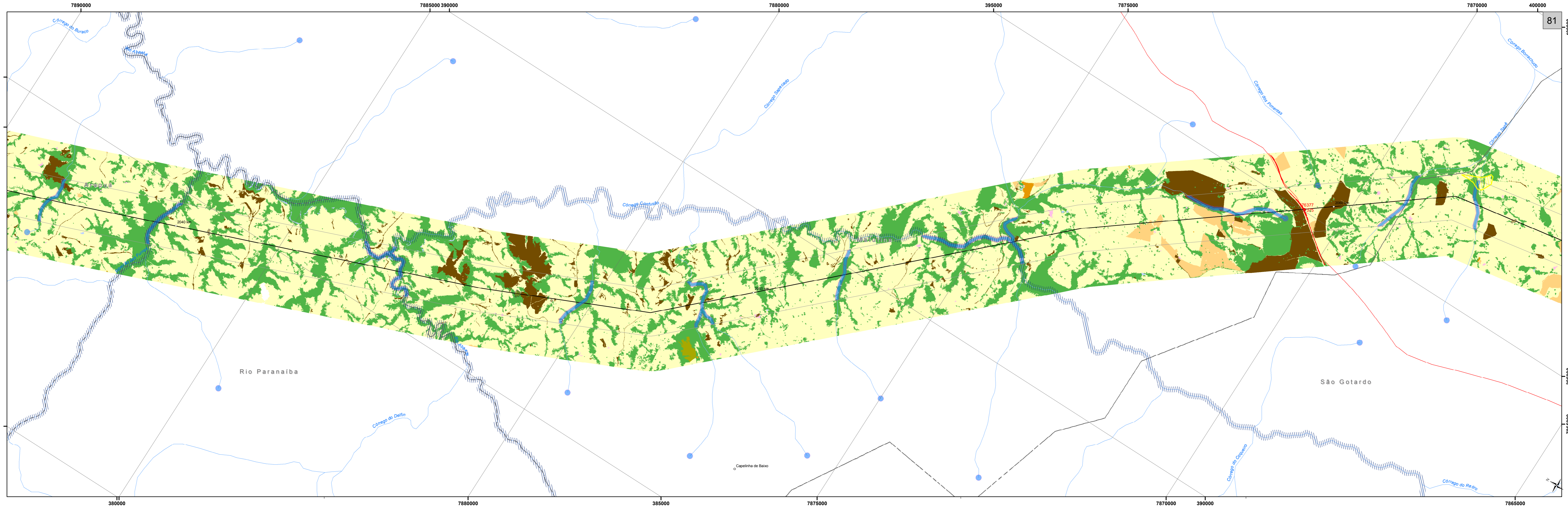
110411

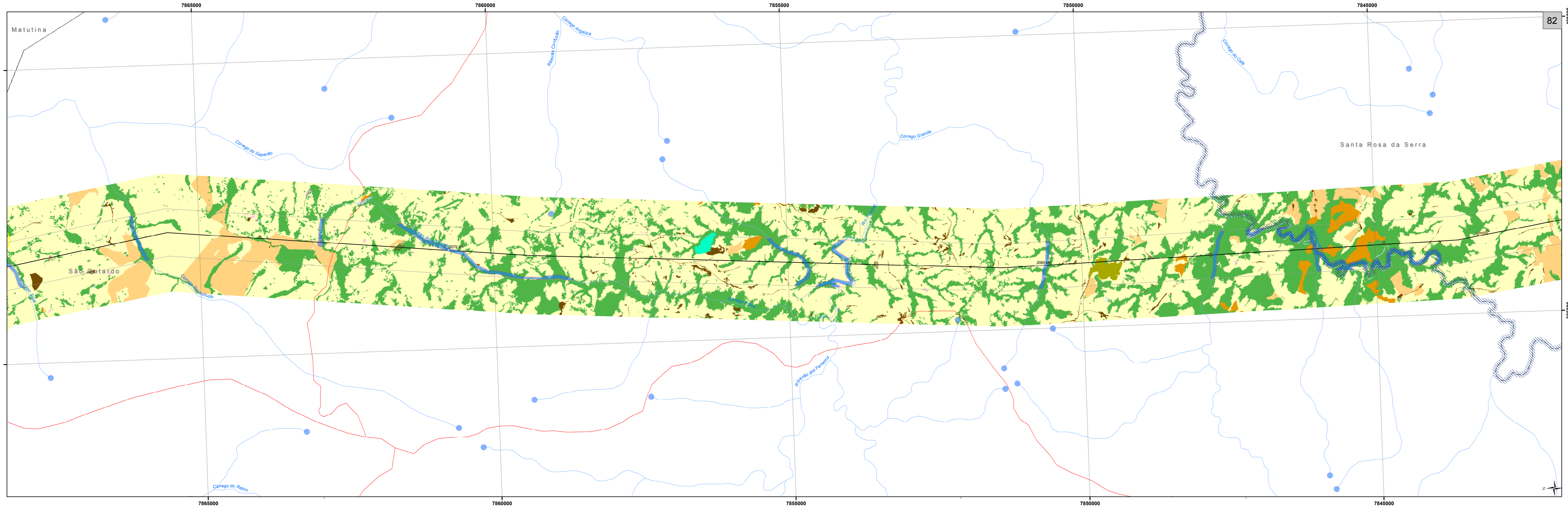
170 km

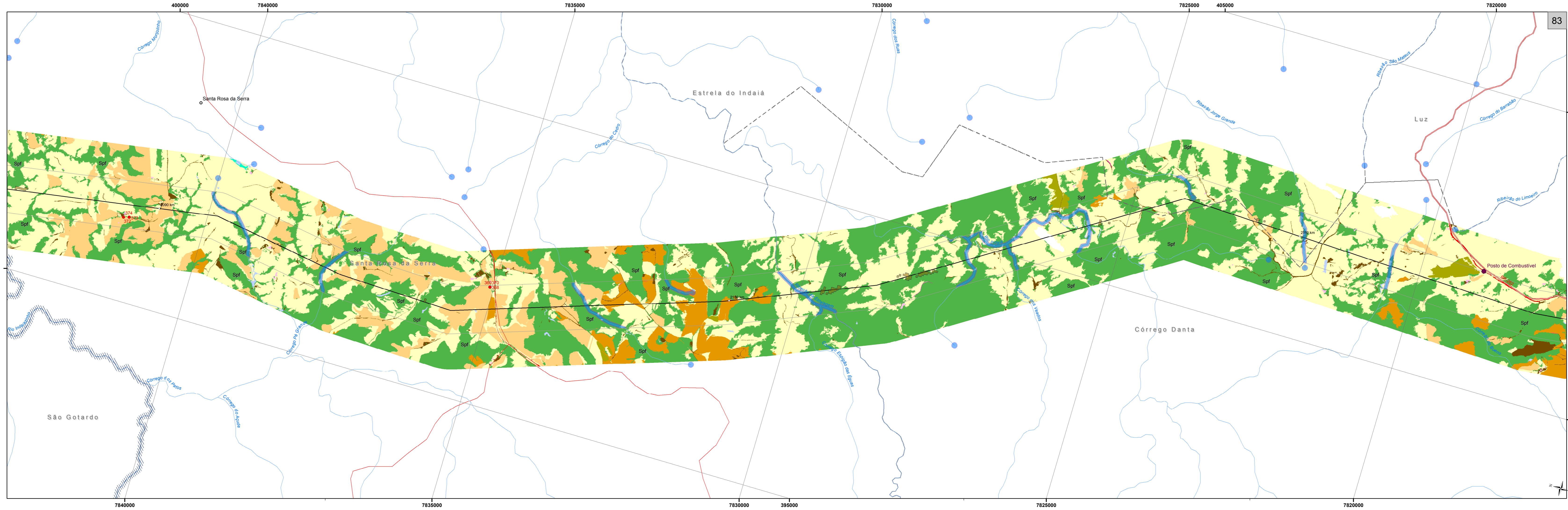
1984 km

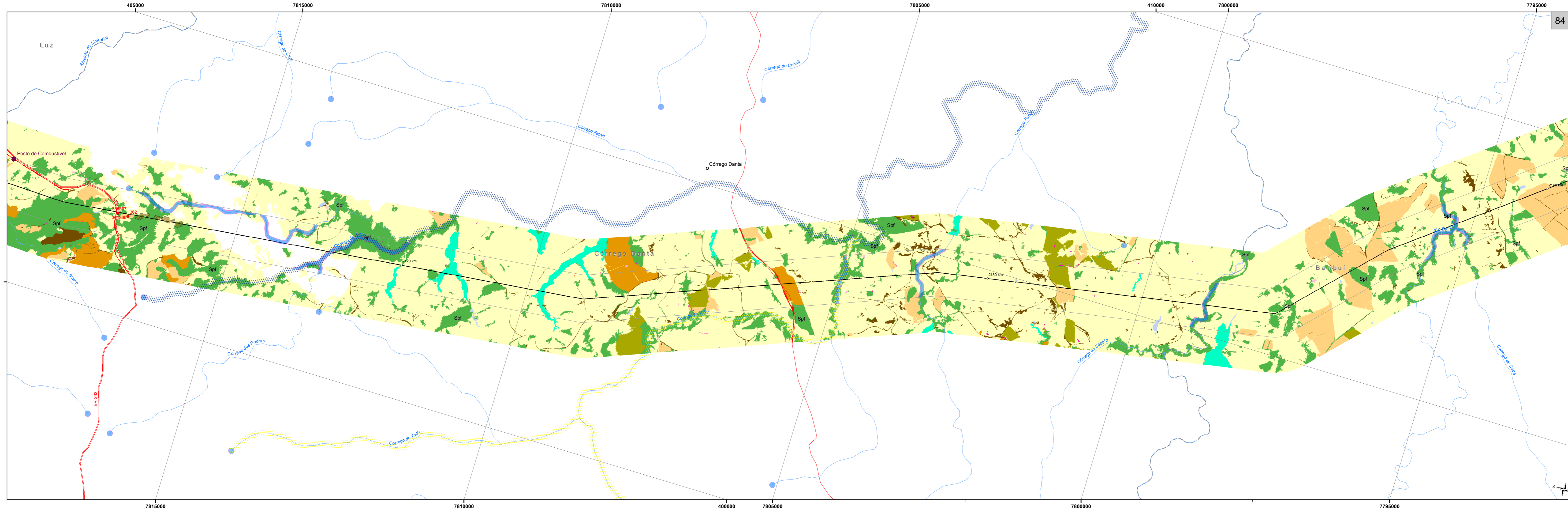


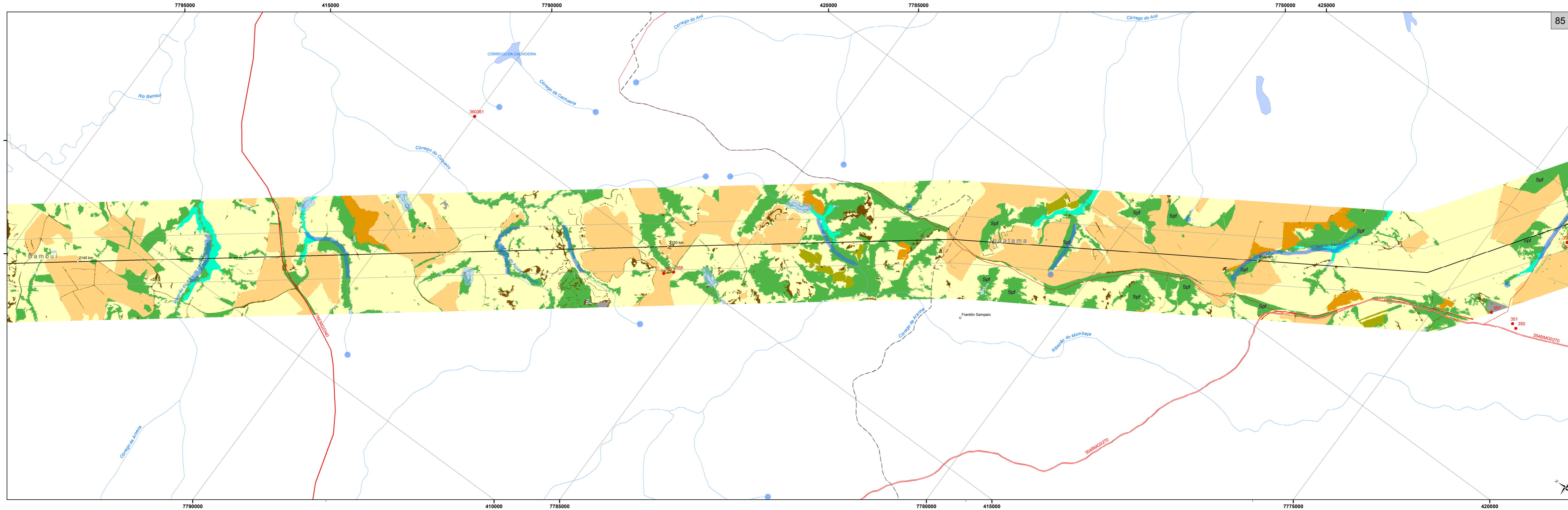












7795000

415000

7790000

420000

7785000

7780000

425000

7790000

410000

7785000

7780000

415000

7775000

420000

CÓRREGO DA CACHOEIRA

Córrego do Anil

Córrego da Cachoeira

Córrego do Cobreiro

Córrego do Anil

Bambuí

2140 km

Ribeirão do Morro da

Trançoso

2150 km

Guatama

2160 km

Franklin Sampaio

Córrego da Aranha

Ribeirão do Morro da

354BMG0270

360261

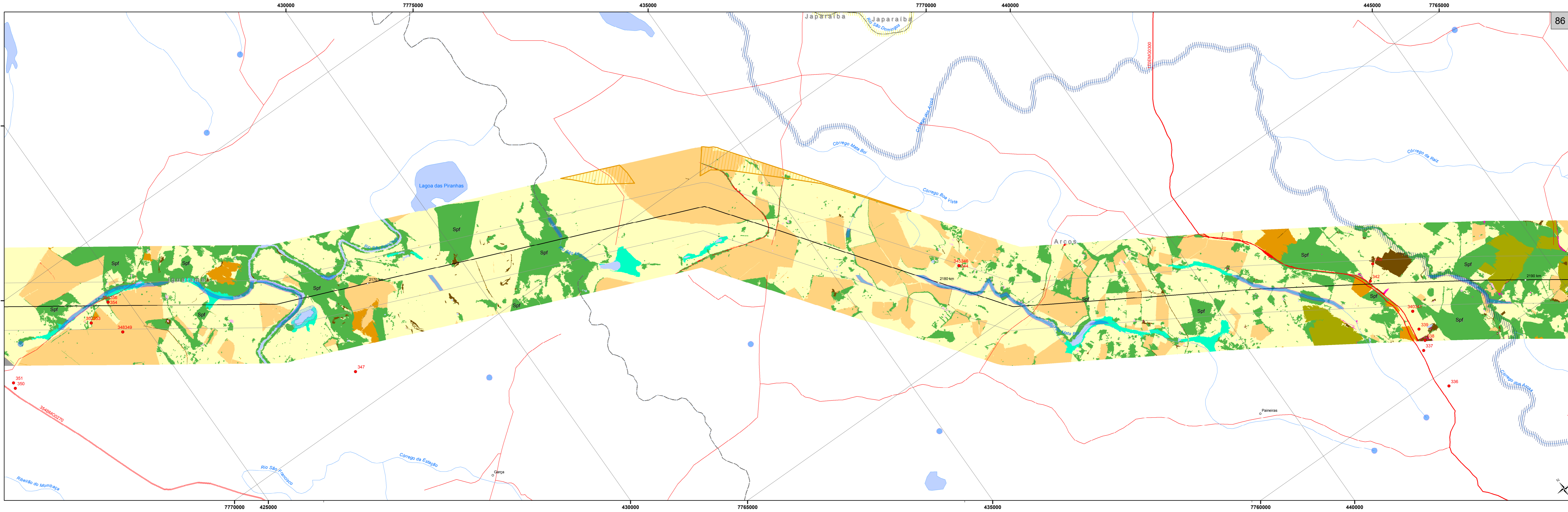
358

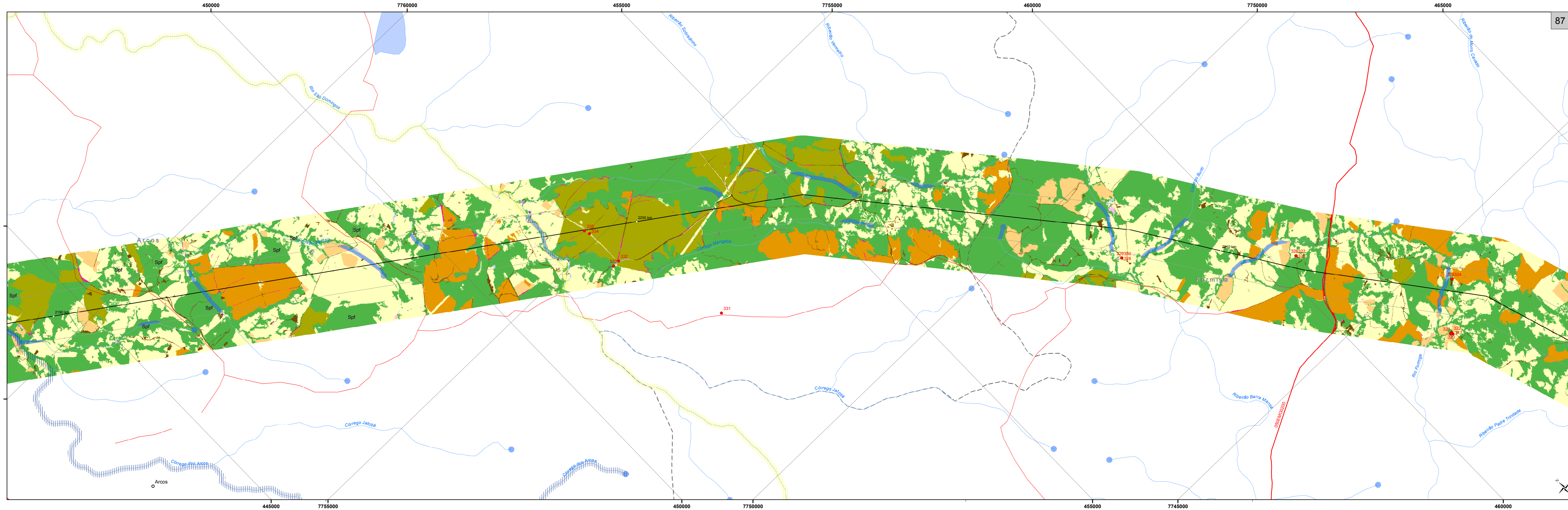
357

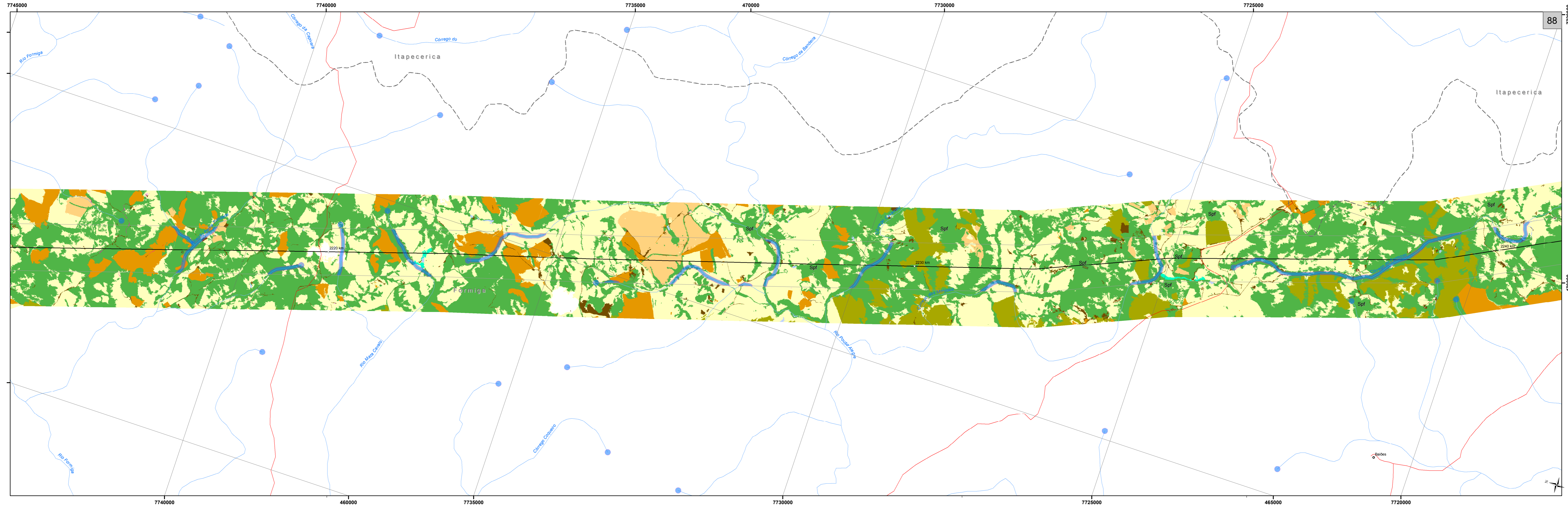
351

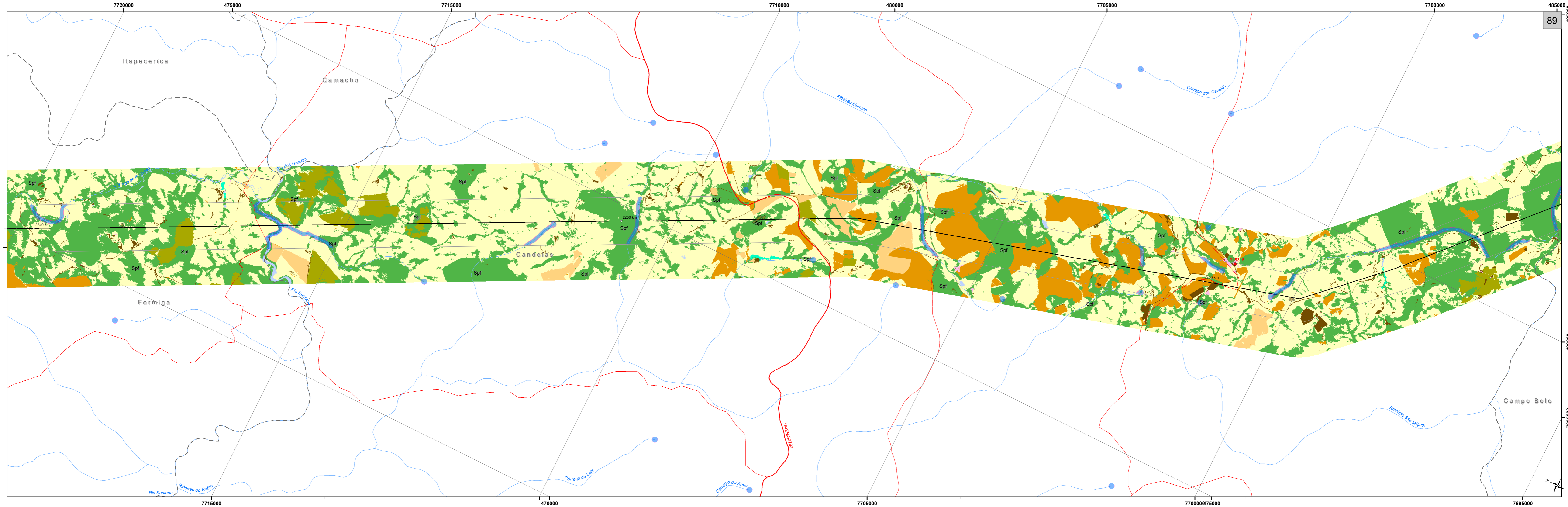
350

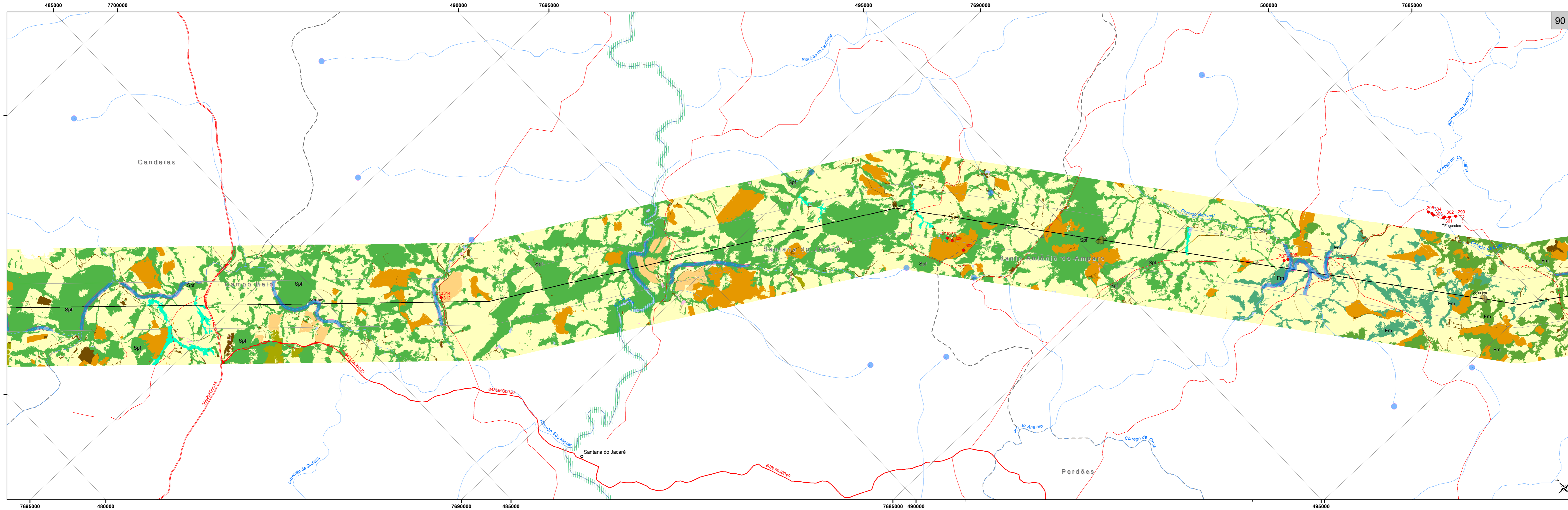
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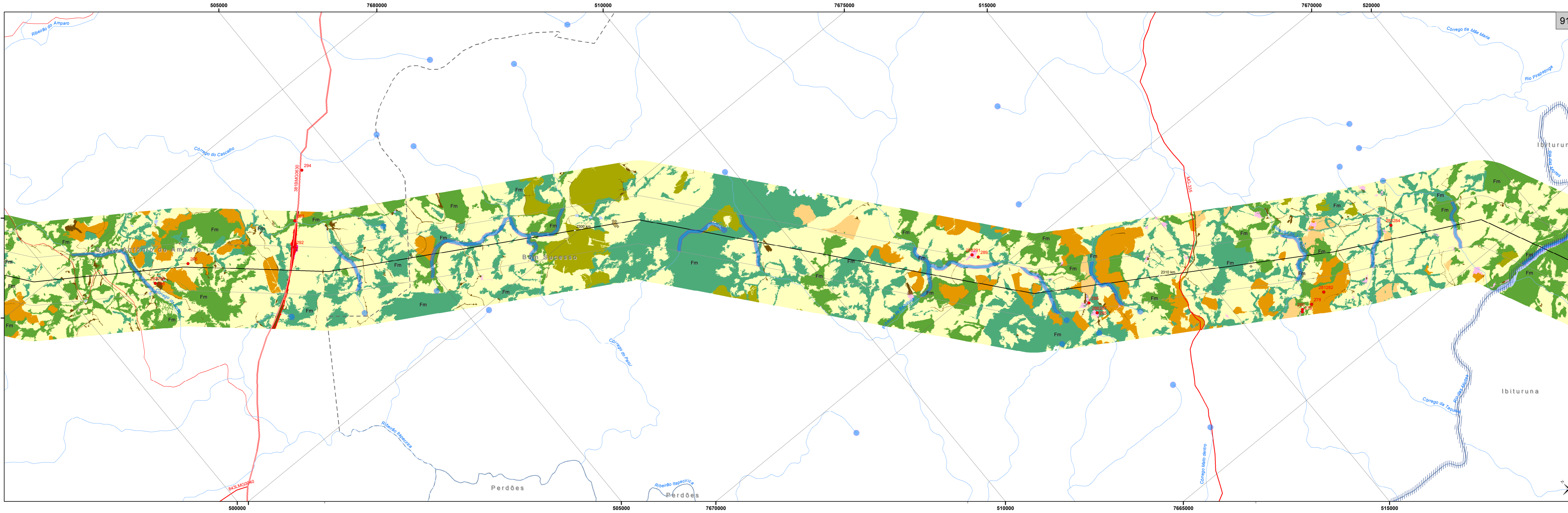


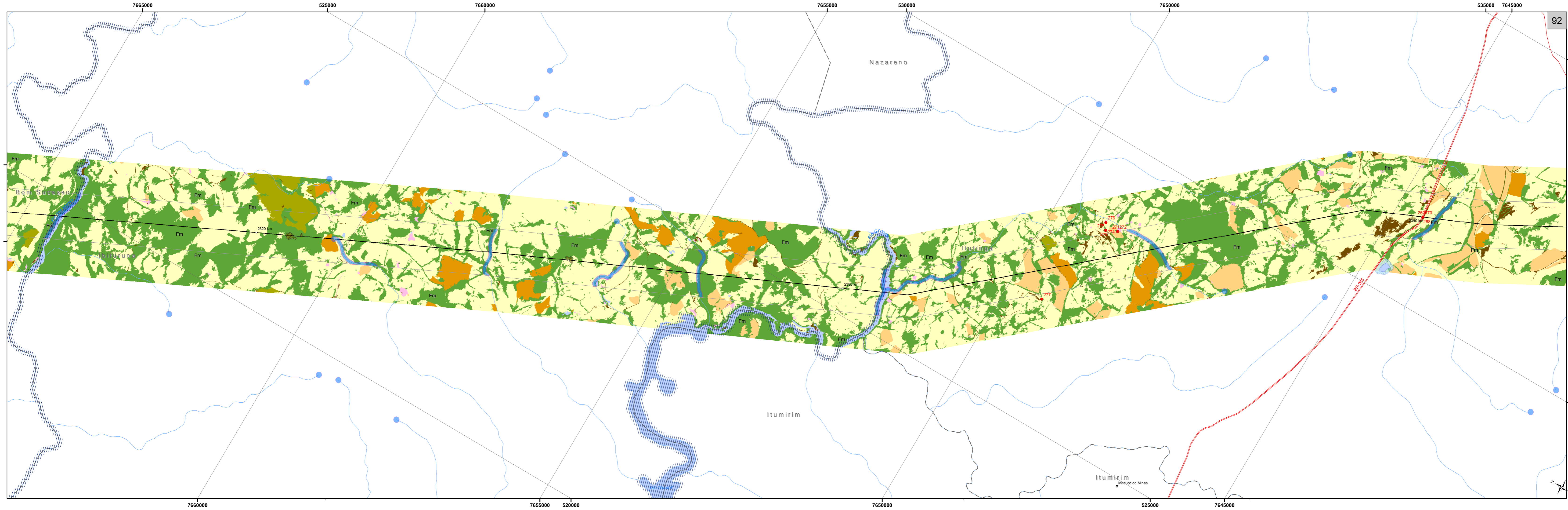


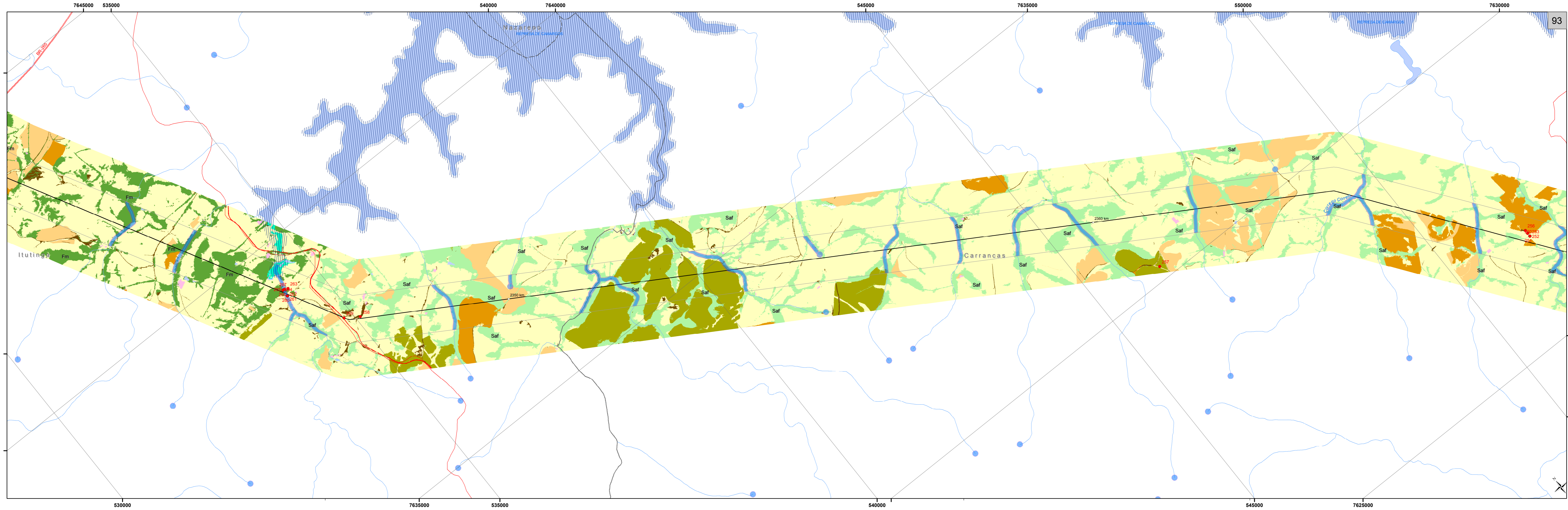


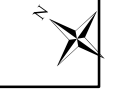
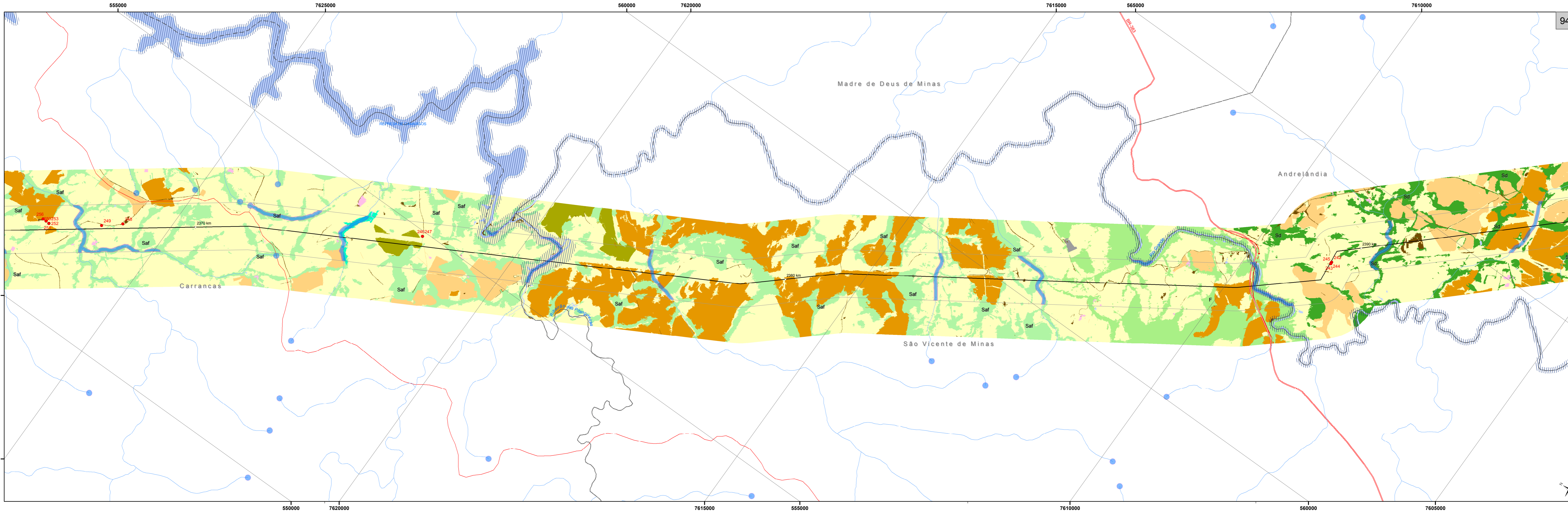




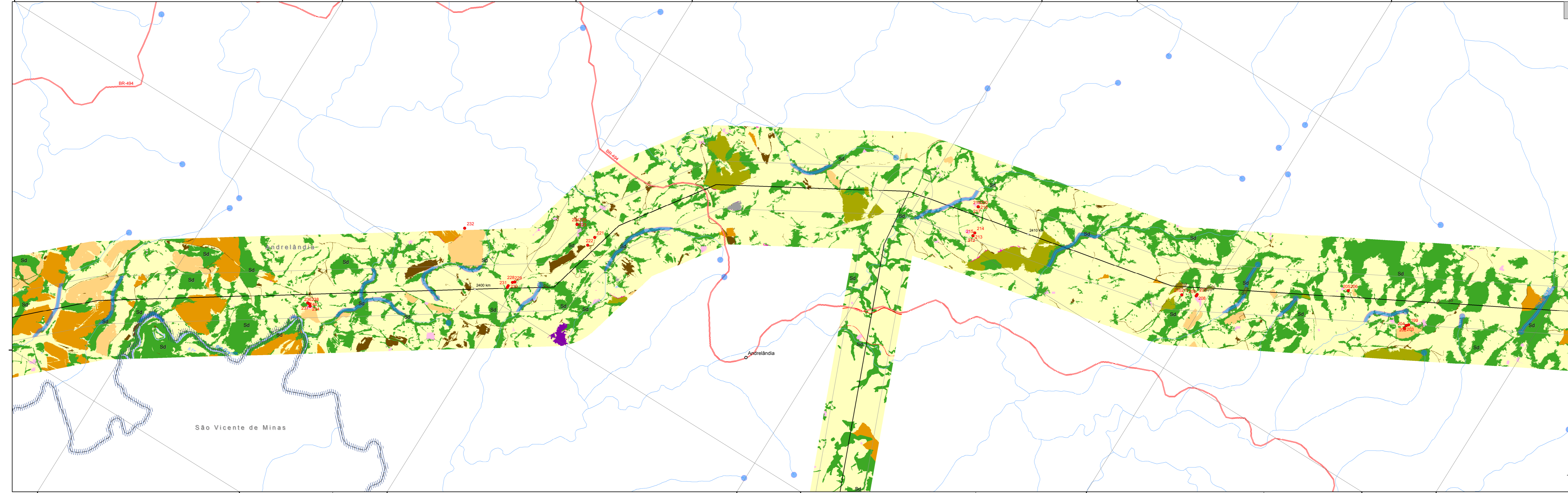




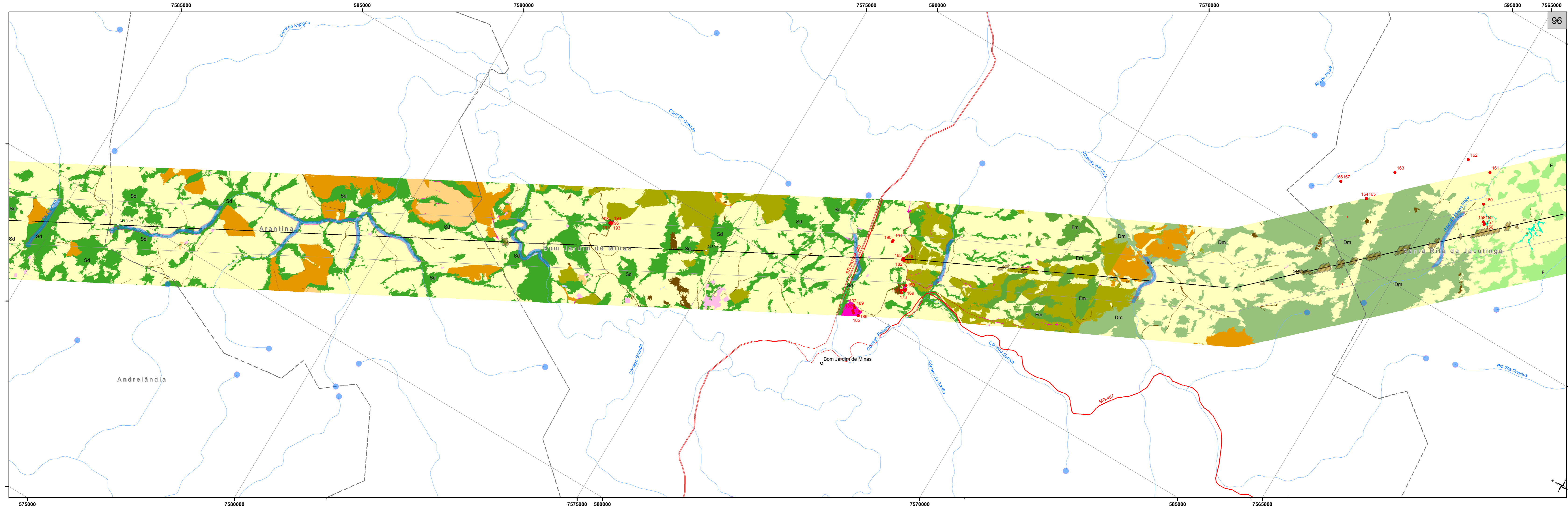


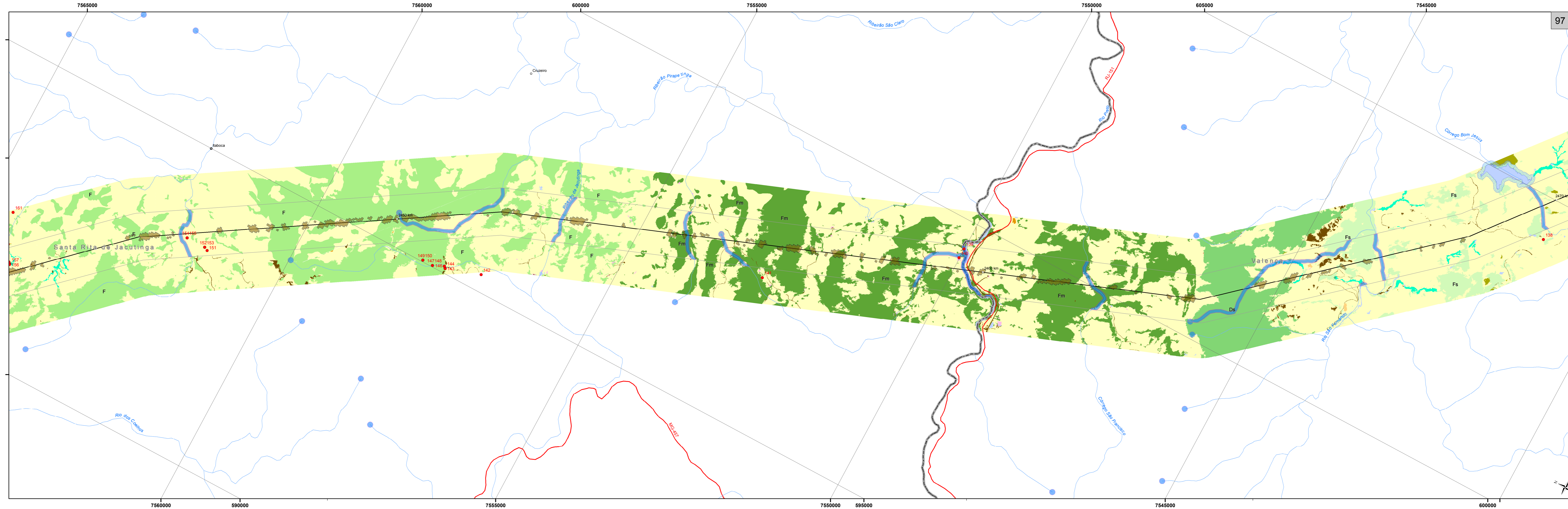


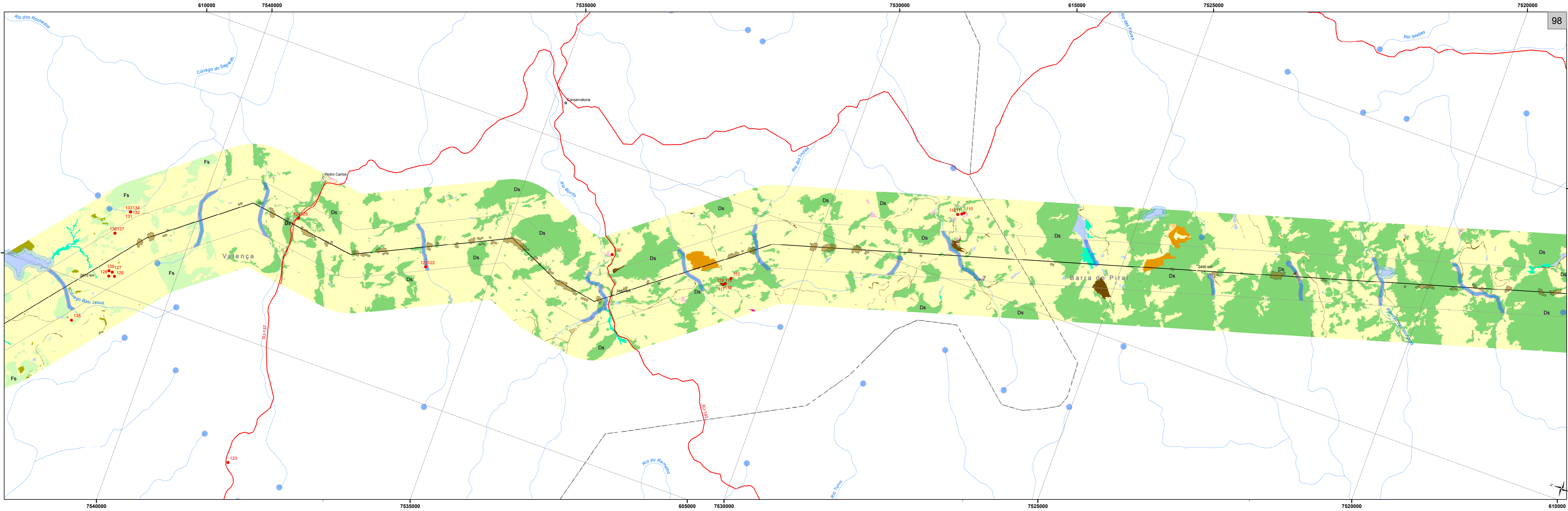
770000 765000 760000 755000 750000 745000 740000



760000 755000 750000 745000 740000 735000 730000







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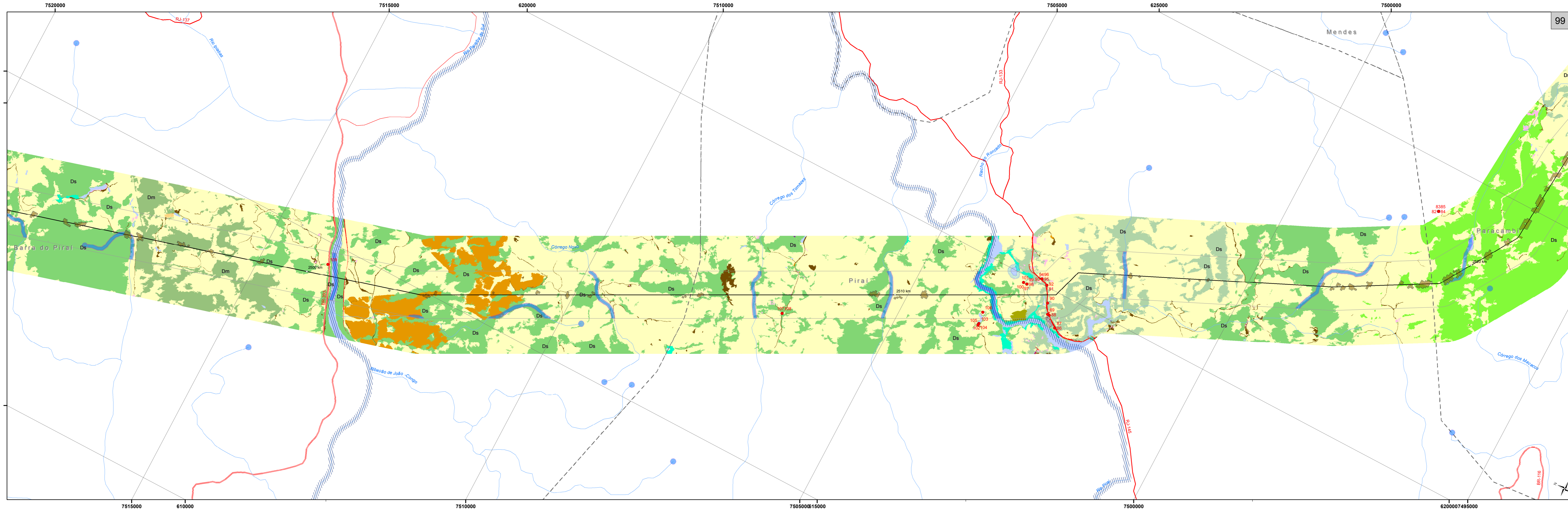
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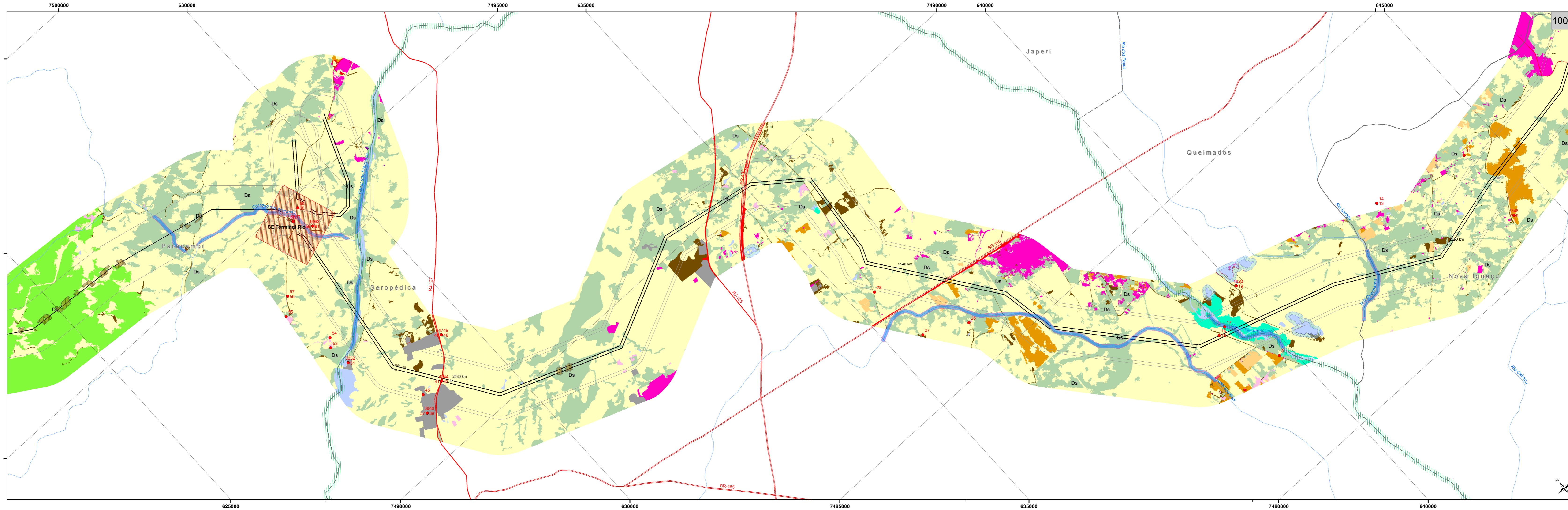
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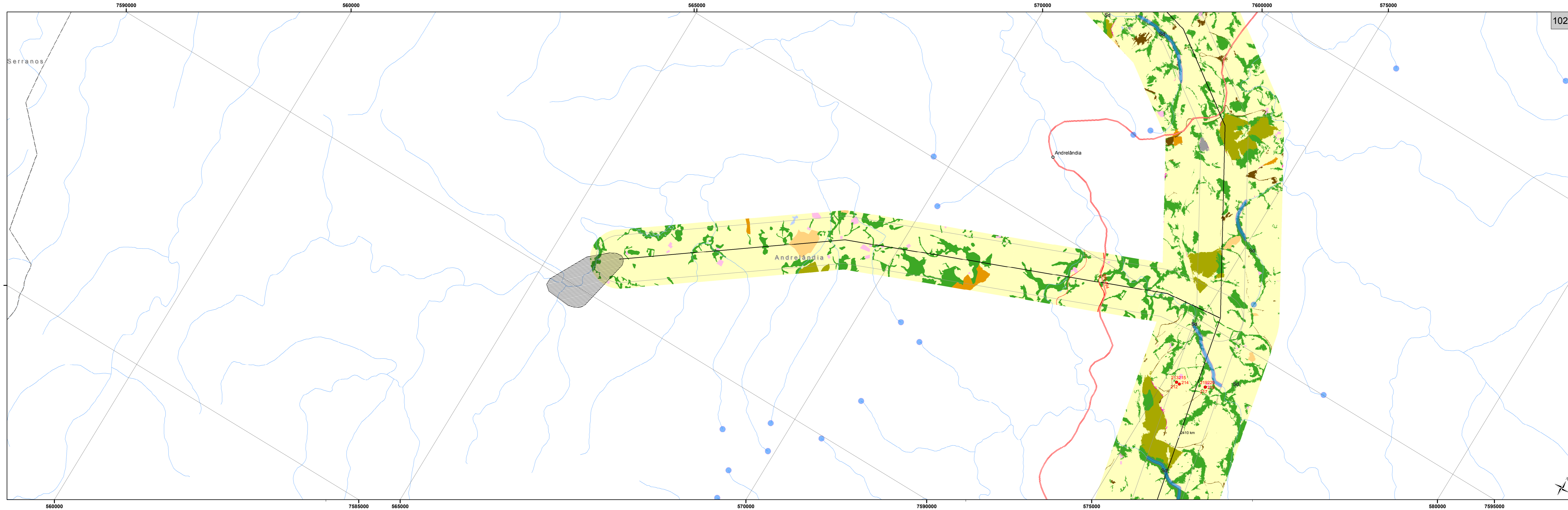
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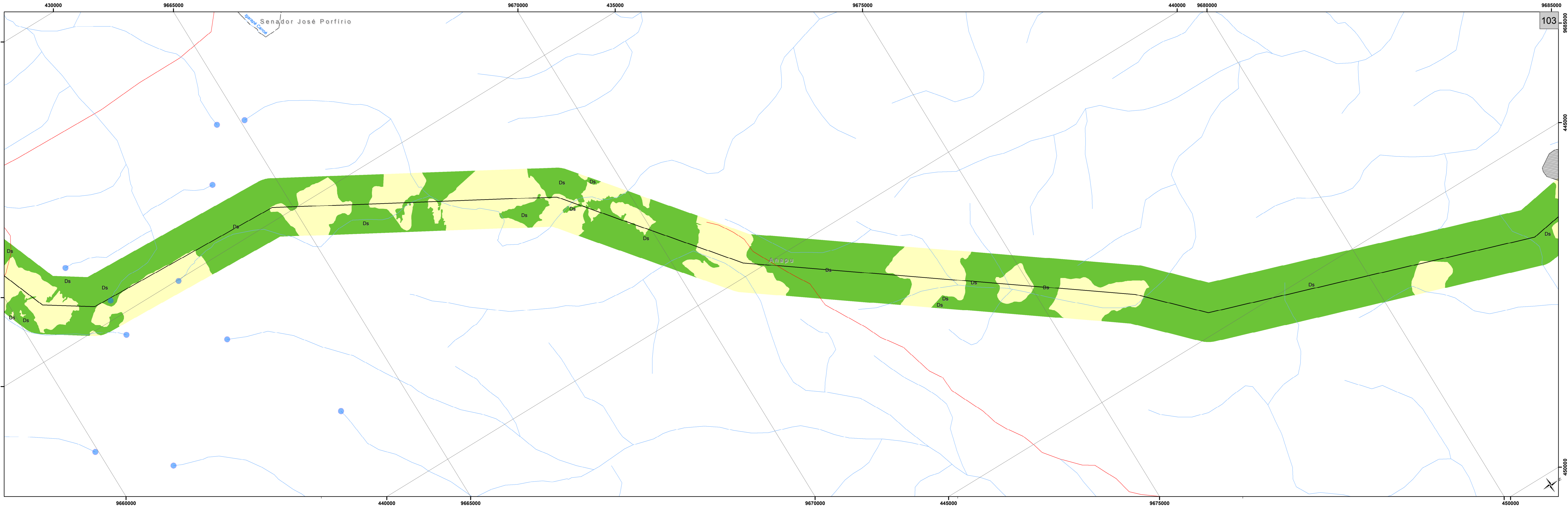
610000











Senador José Porfirio

Anapu

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