



GOVERNO DO ESTADO DO CEARÁ
Secretaria dos Recursos Hídricos



Companhia de Gestão dos Recursos Hídricos

**ELABORAÇÃO DOS ESTUDOS
DE VIABILIDADE, ESTUDOS
AMBIENTAIS (EIA-RIMA),
LEVANTAMENTO CADASTRAL,
PLANO DE REASSENTAMENTO
E PROJETO EXECUTIVO DA
BARRAGEM POÇO COMPRIDO
NO MUNICÍPIO DE
SANTA QUITÉRIA, NO
ESTADO DO CEARÁ**

FASE A – ESTUDOS DE VIABILIDADE

**ETAPA A2 – ESTUDOS BÁSICOS E ANTEPROJETO DA
BARRAGEM**

VOLUME 1 - ESTUDOS BÁSICOS

**Tomo 1 – Topografia
Texto**



JANEIRO / 2020

ELABORAÇÃO DOS ESTUDOS DE VIABILIDADE, ESTUDOS AMBIENTAIS (EIA-RIMA), LEVANTAMENTO CADASTRAL, PLANO DE REASSENTAMENTO E PROJETO EXECUTIVO DA BARRAGEM POÇO COMPRIDO NO MUNICÍPIO DE SANTA QUITÉRIA, NO ESTADO DO CEARÁ

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VOLUME 1 – ESTUDOS BÁSICOS

TOMO 1 – TOPOGRAFIA – TEXTO

JANEIRO/2020

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| 00 | 23/09/2019 | Ornaldo Freitas | J | Iuri Macedo | Emissão Inicial |

APRESENTAÇÃO

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O Consórcio IBI/TPF, com sede à Rua Silva Jatahy, 15 – 7º andar, na cidade de Fortaleza-Ceará, contratada pela Companhia de Gestão dos Recursos Hídricos – COGERH, através do Contrato Nº 009/2019/COGERH/CE, que tem por finalidade a “ELABORAÇÃO DOS ESTUDOS DE VIABILIDADE, ESTUDOS AMBIENTAIS (EIA-RIMA), LEVANTAMENTO CADASTRAL, PLANO DE REASSENTAMENTO E PROJETO EXECUTIVO DA BARRAGEM POÇO COMPRIDO NO MUNICÍPIO DE SANTA QUITÉRIA, NO ESTADO DO CEARÁ”.

Os estudos desenvolvidos, em atendimento aos Termos de Referência, são constituídos por atividades multidisciplinares que permitem a elaboração de relatórios específicos organizados em Partes, Volumes e Tomos. As partes e tomos que compõem o acervo do contrato são apresentados na sequência:

FASE A – ESTUDOS DE VIABILIDADE

ETAPA A1 – ESTUDOS DE ALTERNATIVAS DE LOCALIZAÇÃO DA BARRAGEM – RELATÓRIO DE IDENTIFICAÇÃO DA OBRA – RIO E ESTUDO DE VIABILIDADE AMBIENTAL (EVA)

- Volume 1 – Relatório de Identificação de Obras – RIO
 - Tomo 1 – Estudos de Alternativas de Localização da Barragem
 - Tomo 1A – Desenhos
 - Tomo 2 – Estudos de Viabilidade Ambiental da Barragem Poço Comprido – EVA

ETAPA A2 – ESTUDOS BÁSICOS E ANTEPROJETO DA BARRAGEM

- **Volume 1 – Estudos Básicos**
 - **Tomo 1 – Topografia – Textos**
 - Tomo 1A – Topografia – Desenhos
 - Tomo 2 – Cartografia – Textos
 - Tomo 2A – Cartografia – Desenhos
 - Tomo 2B – Cartografia – Memória de Cálculo
 - Tomo 2C – Cartografia – Cadernetas de Campo
 - Tomo 3 – Hidrologia – Textos
 - Tomo 3A – Hidrologia – Anexos
 - Tomo 4 – Geologia e Geotecnia – Textos
 - Tomo 4A – Geologia e Geotecnia Anexos
- Volume 2 – Anteprojeto da Barragem
 - Tomo 1 – Relatório do Anteprojeto da Barragem

- Tomo 1A – Desenhos e Plantas
- Tomo 1B – Memória de Cálculos
- Tomo 1C – Anexos

ETAPA A3 – RELATÓRIO FINAL DE VIABILIDADE (RFV)

- Volume 1 – Relatório Final de Viabilidade

FASE B – ESTUDOS AMBIENTAIS, LEVANTAMENTO CADASTRAL E PLANO DE REASSENTAMENTO

ETAPA B1 – ESTUDOS DOS IMPACTOS NO MEIO AMBIENTE (EIA/RIMA)

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 - Tomo 1 – Relatório dos Estudos Básicos
 - Tomo 2 – Relatório do Diagnóstico Ambiental
 - Tomo 3 – Relatório da identificação a avaliação dos impactos ambientais
 - Tomo 4 – Minuta do Relatório Final do EIA/RIMA
 - Tomo 5 – Relatório Final do EIA/RIMA aprovado pela SEMACE

ETAPA B2 – LEVANTAMENTO CADASTRAL E PLANO DE REASSENTAMENTO

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 - Tomo 1 – Relatório Geral
 - Tomo 2 – Laudos Individuais de Avaliação
 - Tomo 3 – Levantamentos Topográficos
- Volume 2 – Plano de Reassentamento
 - Tomo 1 – Diagnóstico
 - Tomo 2 – Relatório contendo a identificação e seleção de áreas destinadas a relocação da população e levantamento das infraestruturas atingidas
 - Tomo 3 – Relatório do Projeto Básico das Infraestruturas a ser relocadas – Plano de Relocação
 - Tomo 4 – Relatório Final da Relocação, Remanejamento da População e Infraestruturas

FASE C – PROJETO EXECUTIVO DA BARRAGEM

ETAPA C1 – DETALHAMENTO DO PROJETO EXECUTIVO DA BARRAGEM

- Tomo 1 – Memorial Descritivo do Projeto
- Tomo 2 – Desenhos
- Tomo 3 – Memória de Cálculo
- Tomo 4 – Especificações Técnicas e Normas de Medição e Pagamento

- Tomo 5 – Quantitativos e Orçamento
- Tomo 6 – Relatório Síntese

ETAPA C2 – INSTRUIR A ELABORAÇÃO DO CERTIFICADO DA SUSTENTABILIDADE DE OBRA HÍDRICA – CERTOH

O presente relatório refere-se ao **Relatório de Estudos Básicos - Tomo 1 - Topografia – Texto** da Barragem Poço Comprido.

Este relatório tem como principal objetivo apresentar o estudo topográfico realizado no local do eixo escolhido da barragem.

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1 - INTRODUÇÃO

1 - INTRODUÇÃO

O presente documento é parte integrante do estudo de viabilidade da barragem do Poço Comprido, relatório denominado Estudos topográficos, e compõe um dos produtos dos estudos básicos da referida barragem, a ser construída no Município de Santa Quitéria, no Estado do Ceará, objeto do Contrato N°009/2019/COGERH/CE, como decorrência do processo licitatório do Edital de Concorrência Pública N° 20170001/COGERH/CCC.

A finalidade deste relatório é apresentar à COGERH os estudos topográficos levantados na região do eixo da barragem, das alternativas de vertedouro e localização das jazidas indicadas para o projeto. Os estudos compreendem as seguintes etapas:

- Transporte de coordenadas;
- Transporte das cotas geográficas;
- Levantamento das seções do eixo a ser barrado;
- Levantamento das seções do eixo das opções de vertedouro;
- Levantamento das jazidas indicadas para o projeto;

2 - METODOLOGIA DO LEVANTAMENTO

2 - METODOLOGIA DO LEVANTAMENTO

2.1 - TRANSPORTE DE COORDENADAS

O consorcio IBI/TPF, utilizou como metodologia para o transporte de coordenadas, do eixo da barragem Poço Comprido, a IBGE-PPP (Posicionamento por Ponto Preciso ou Posicionamento Absoluto Preciso), que é um serviço on-line gratuito para o pós-processamento de dados GPS (*Global Positioning System*). Ele permite aos usuários de GPS, obterem coordenadas de boa precisão no Sistema de Referência Geocêntrico para as Américas (SIRGAS2000) e no International Terrestrial Reference Frame (ITRF). No posicionamento com GPS, o termo **Posicionamento por Ponto Preciso** normalmente refere-se à obtenção da posição de uma estação utilizando as observáveis fases da onda portadora coletadas por receptores de duas frequências e em conjunto com os produtos do IGS (*International GNSS Service*). O resultado do IBGE-PPP independe de qualquer ajustamento de rede geodésica e não está associado às realizações ou ajustamentos de rede planimétrica.

Para o Levantamento de campo foi utilizado equipamento tipo GPS RTK (REAL TIME CENTIMETRO), tendo sido corrigida a coordenada e cota da Base pelo PPP (Posicionamento por Ponto Preciso, do IBGE). O equipamento utilizado foi GPS TOPOMAP. T.10, com precisões Horizontal de 5,mm e Vertical de 10 mm.

Uma forma de avaliar a qualidade das coordenadas determinadas com o PPP é através da verificação do sigma apresentado na seção 3.3 do arquivo SUM, apresentado na Figura 2.1, para as componentes; latitude, longitude e altitude. A outra forma é avaliar a diferença entre as coordenadas determinadas pelo PPP, com as coordenadas conhecidas em um marco de referência.

Quando qualquer tipo de observação é realizada, faz-se necessário quantificar a sua qualidade. Por exemplo, se uma coordenada foi determinada por GPS, é necessário quantificar o seu grau de certeza. Vários termos são usados para quantificar as precisões das observações, sendo os termos mais comuns a precisão e a acurácia. A acurácia se refere à proximidade que uma estimativa, ou observação, está do seu valor verdadeiro, mas desconhecido, estando vinculada aos erros aleatórios e grosseiros. Enquanto a precisão se refere à proximidade de uma estimativa de sua média, estando vinculada aos erros aleatórios. O desvio padrão, representado pelo símbolo s , é usado para quantificar a dispersão em torno da média das observações. Este indicador é a medida de precisão mais utilizada, porém devido ao grande número de observações em um sistema

de equações de uma solução GPS ele se torna um indicador muito otimista. A precisão absoluta é a proximidade da coordenada de uma estação com relação ao seu referencial, e a precisão relativa é um indicador da qualidade na medida entre dois pontos, que no caso poderão ser as linhas de base GPS observadas através do posicionamento relativo. A acurácia, ou certeza de uma solução, pode ser quantificada por múltiplos do desvio padrão ou por uma determinada função de probabilidade de distribuição das observações. A função de probabilidade de distribuição normal fornece o relacionamento entre os dois (observações e modelo matemático de distribuição), como por exemplo, uma observação qualquer dentro de um conjunto tem 95,45% de probabilidade de estar contida em $\pm 2s$ da média.

Em nosso trabalho foi realizado o transporte para apenas determinados **pontos de base de partida**, localizados na ombreira esquerda da barragem. Na **Figura 2.1a** e **2.1b**, são apresentados os resultados do processamento dos dados feitos pelo IBGE, onde são detalhados os seus níveis de precisão.

Para o método de validação utilizado para aferir o equipamento utilizado, foi adotado procedimentos de campo e programa de processamento, foi realizado em campo levantamento do marco do IBGE RN1861F, marco geodésico onde as coordenadas geodésicas são conhecidas com precisão.

Para a aferição do equipamento, identificou-se o marco geodésico do IBGE mais próximos da barragem poço comprido, no caso RN1861F, que está localizado em uma Chapa cravada no lado esquerdo de um bueiro a 120 m do entroncamento para Varjota e Hidrolândia, a 5km além da Igreja Matriz de Santa Quitéria

Na **Figura 2.2** está sendo apresentado o relatório final de processamento do RN 1861F, utilizado para aferição do equipamento.

Figura 2.1a - Processamento através do Posicionamento por Ponto Preciso (PPP) do IBGE

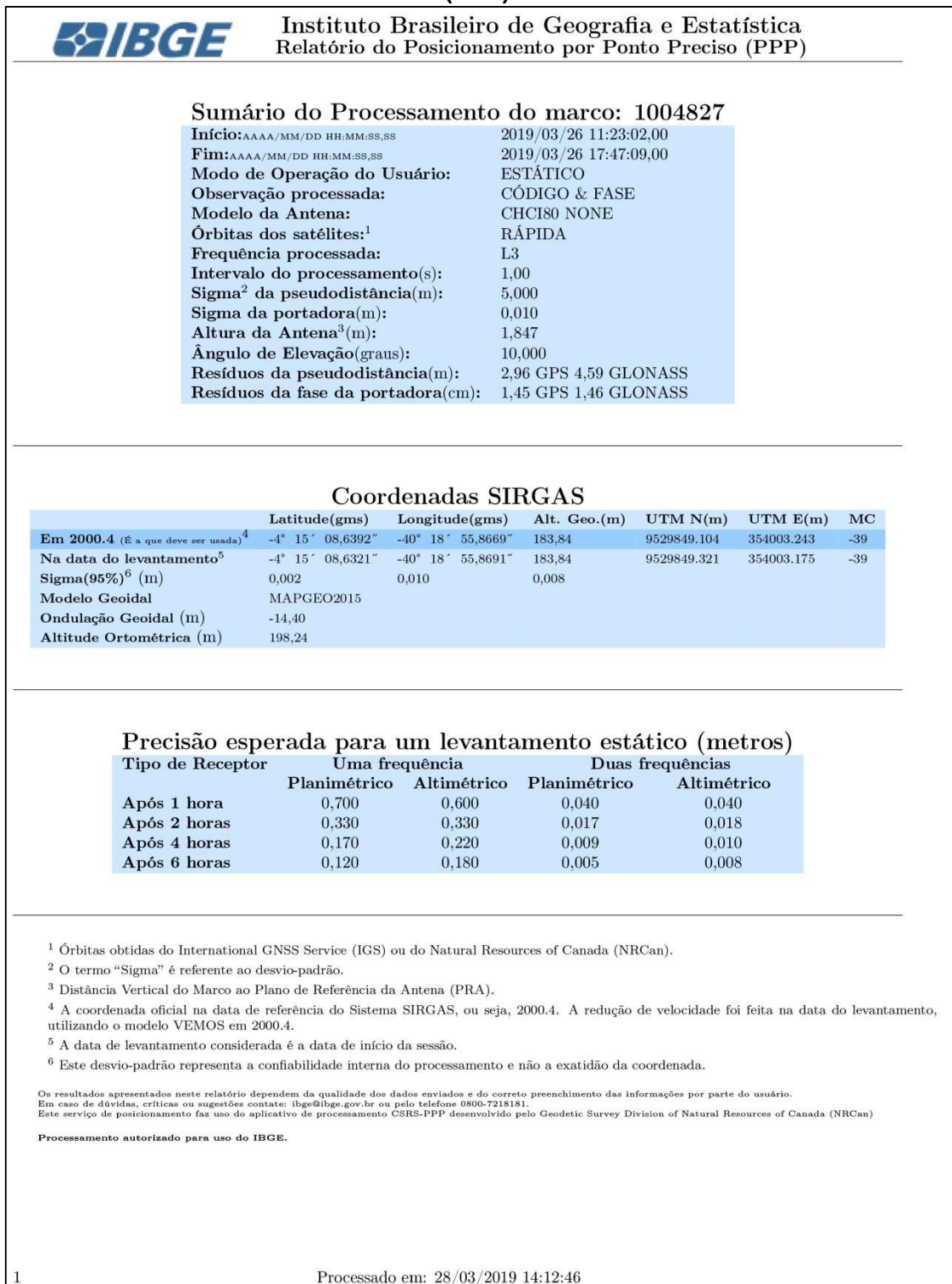


Figura 2.1b - Processamento através do Posicionamento por Ponto Preciso (PPP) do IBGE

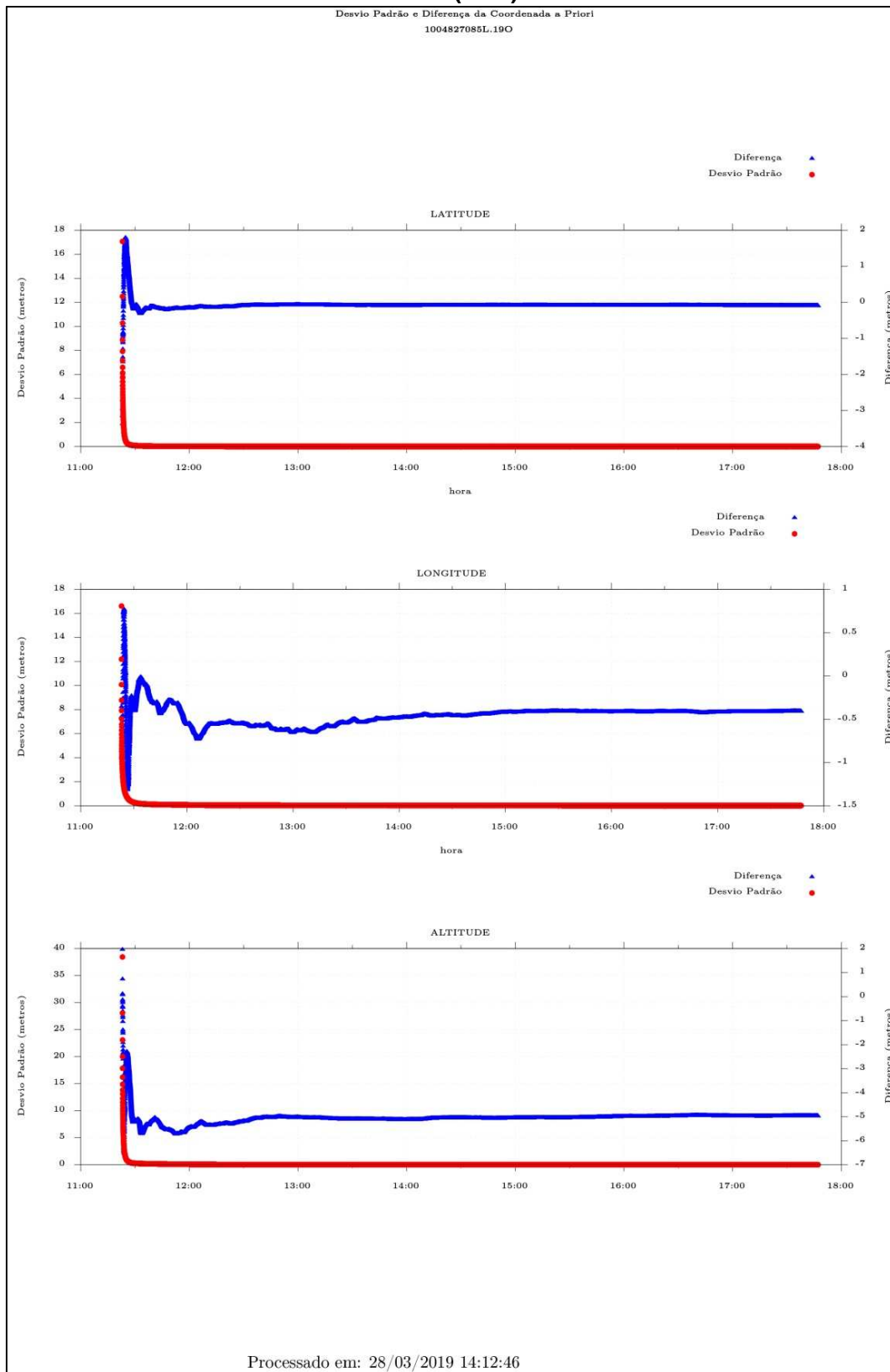


Figura 2.2 - Relatório do RN 1861F

| IBGE | | Relatório de Estação Geodésica | |
|---|----------------|---|--------------------------|
| Estação : | 1861F | Nome da Estação : | 1861F |
| Município : | SANTA QUITÉRIA | Tipo : | Referência de Nível - RN |
| Última Visita: | 08/03/2013 | Situação Marco Principal : | BOM |
| Conexões : | EG : 8092913 | Última Atualização : | 30/07/2018 |
| DADOS PLANIMÉTRICOS | | DADOS ALTIMÉTRICOS | |
| Latitude | 04° 19' 50" S | Altitude Normal(m) | 205,6671 |
| Longitude | 40° 10' 49" W | Fonte | Nivelamento Geométrico |
| Fonte | GPS Navegação | Sigma Altitude(m) | 0,091 |
| Origem | | Datum | Imbituba |
| Datum | SIRGAS2000 | Data Medição | 01/11/1982 |
| Data Medição | 08/03/2013 | Data Cálculo | 30/07/2018 |
| Data Cálculo | | Número Geopotencial (m ² /s ²) | 2.011,487 |
| Sigma Latitude(m) | | | |
| Sigma Longitude(m) | | | |
| UTM(N) | 9.521.232 | | |
| UTM(E) | 369.028 | | |
| MC | -39 | | |
| <ul style="list-style-type: none"> - Ajustamento Altimétrico Simultâneo da Rede Altimétrica em 30/07/2018 - REALT 2018 2ª edição disponível em : https://biblioteca.ibge.gov.br/visualizacao/livros/liv101666.pdf - Ajustamento Planimétrico SIRGAS2000 em 23/11/2004 e 06/03/2006 - Relatório em : ftp://geofp.ibge.gov.br/informacoes_sobre_posicionamento_geodesico/rede_planialtimetrica/relatorio/rel_sirgas2000.pdf - Para obtenção de Altitude Ortométrica referente a levantamento SAT utilizar o MAPGEO2015 disponível em : https://www.ibge.gov.br/geociencias-novoportal/modelos-digitais-de-superficie/modelos-digitais-de-superficie/10855-modelo-de-ondulacao-geoidal.html - As informações de coordenadas estão relacionadas ao sistema SIRGAS2000, em conformidade com a RPR 01/2015 de 24/02/2015 disponível em : ftp://geofp.ibge.gov.br/metodos_e_outros_documentos_de_referencia/normas/rpr_01_2015_sirgas2000.pdf | | | |
| Localização | | | |
| Chapa cravada no lado esquerdo de um bueiro; a 120m além do entroncamento para Varjota e Hidrolândia; a 5,4km além da Igreja Matriz de Santa Quitéria. | | | |
| Descrição | | | |
| Chapa padrão IBGE. | | | |

Concluída a aferição do equipamento pode-se realizar o transporte de coordenadas propriamente dito.

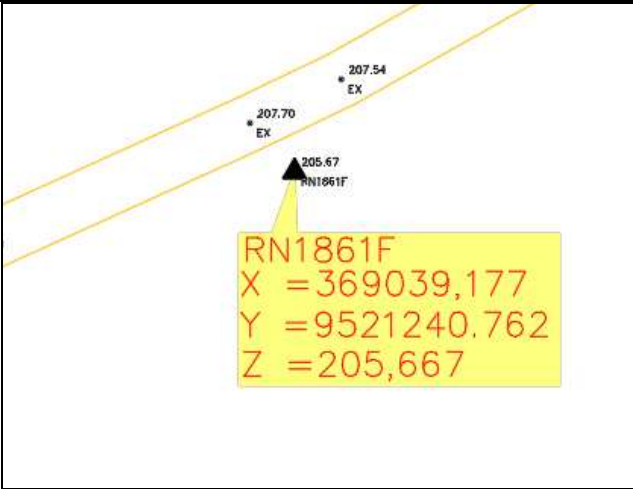

Para o transporte das coordenadas UTM (*Universal Transversa de Mercator*), utilizou-se o mesmo marco geodésico do IBGE mais próximos da barragem Poço Comprido, no caso o RN1861F, cuja sua descrição está no **Quadro 2.1**.

Utilizando a mesma metodologia (IBGE-PPP) anteriormente descrita, foi realizado o transporte das coordenadas para um marco denominado como marco de partida localizado na ombreira Esquerda do eixo barrado, ver descrição do ponto no **Quadro 2.2**.

Quadro 2.1 - Informações do RN do IBGE

| INFORMAÇÕES DO RN DO IBGE | |
|--------------------------------|-----------------------------|
| Nome do RN: 1861 F | Data da Medição: 26/03/2019 |
| Tipo do Marco: CHAPA | |
| Inscrição da plaqueta: RN2722B | |

| INFORMAÇÕES SOBRE A LOCALIZAÇÃO | |
|---|---------------|
| Localização: Chapa cravada no lado esquerdo de um bueiro a 120 m do entroncamento para Varjota e Hidrolândia, a 5km além da Igreja Matriz de Santa Quitéria | |
| Município: Santa Quitéria | Estado: Ceará |

| CROQUI DE LOCALIZAÇÃO | FOTO |
|--|---|
|  |  |

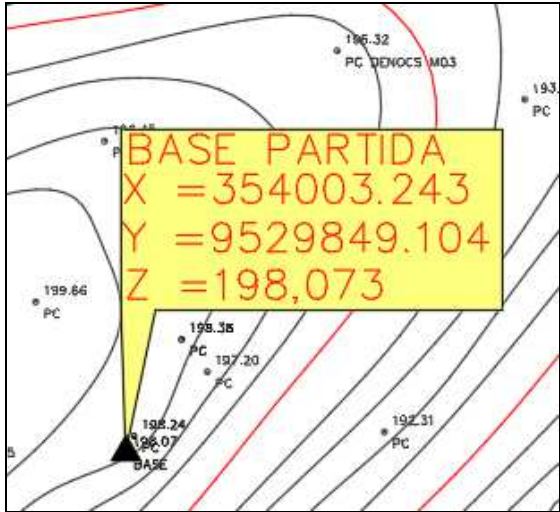

| Operador | Data | Processamento | Data | Monografia | Data |
|----------|------------|---------------|------------|------------|------------|
| DORIVAN | 26/03/2019 | SAMIRA | 28/03/2019 | VÂNIA | 23/03/2019 |

| COORDENADA DO RN1861F - SISTEMA GEODÉSICO SIRGAS 2000 | |
|---|-------------------------------|
| UTM (N): 9.521.240,762 | ALTITUDE ORTOMÉTRICA: 205,667 |
| UTM (E): 369.039,177 | |

Quadro 2.2 - Informações da Base de Partida

| INFORMAÇÕES DA BASE DE PARTIDA | |
|------------------------------------|------------------------------------|
| Nome do RN: BASE DE PARTIDA | Data da Medição: 26/03/2019 |
| Tipo do Marco: Concreto | |
| Inscrição da plaqueta: BASE | |

| INFORMAÇÕES SOBRE A LOCALIZAÇÃO | |
|---|---------------|
| Localização: Chapa cravada no marco de concreto | |
| Endereço: | |
| Município: Santa Quitéria | Estado: Ceará |

| CROQUI DE LOCALIZAÇÃO | FOTO |
|--|---|
|  |  |

| Operador | Data | Processamento | Data | Monografia | Data |
|----------|------------|---------------|------------|------------|------------|
| DORIVAN | 26/03/2019 | SAMIRA | 28/03/2019 | VÂNIA | 23/09/2019 |

| COORDENADA DA BASE - SISTEMA GEODÉSICO SIRGAS 2000 | |
|--|--------------------------------------|
| UTM (N): 9.529.849,104 | ALTITUDE ORTOMÉTRICA: 198,073 |
| UTM (E): 354.003,243 | |

2.2 - TRANSPORTE DE COTAS

O transporte de cotas também foi realizado através do marco do IBGE RN1861 F, Chapa cravada no lado esquerdo de um bueiro a 120 m do entroncamento para Varjota e Hidrolândia e a 5km além da Igreja Matriz de Santa Quitéria.

A partir do marco do IBGE, foi feito um caminhamento inicial de 14.672,0m, as margens da CE366, até o ponto chamado marco de apoio, localizado na ombreira direita da barragem (9.528.313,282;357.219,472). O transporte continuou seguindo o estaqueamento do eixo da barragem até o marco 0 na ombreira esquerda(3535907,45; 9529819,746, perfazendo assim um total de 18.529,17m de transporte de cotas. Durante todo o percurso foi efetuado o nivelamento e o contra nivelamento conforme caderneta de campo em anexo.

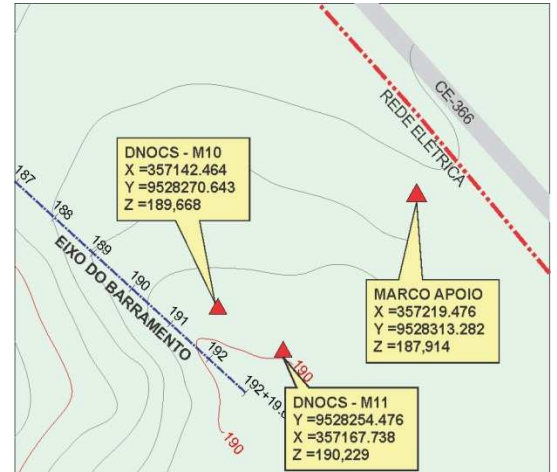

O erro do levantamento de campo foi de 9,0mm, menor do que a admissível que seria de 53,00mm, conforme calculado pela formula $12,5 \times \sqrt{k}$ (em milímetros), onde “k” é o comprimento do caminhamento expresso em km, considerando o comprimento transportado de 18,529Km.

A seguir apresentamos o **Quadro 2.3**, com a descrição do ponto da base de partida, final do primeiro trecho transportado. O segundo trecho termina no marco 0 conforme sua descrição no **Quadro 2.4**.

Quadro 2.3 - Informações do RN Marco de Apoio

| INFORMAÇÕES DA BASE DE PARTIDA | |
|--------------------------------|-----------------------------|
| Nome do RN: MARCO DE APOIO | Data da Medição: 29/03/2019 |
| Tipo do Marco: Concreto | |
| Inscrição da plaqueta: BASE | |

| INFORMAÇÕES SOBRE A LOCALIZAÇÃO | |
|---|---------------|
| Localização: Chapa cravada no marco de concreto | |
| Endereço: | |
| Município: Santa Quitéria | Estado: Ceará |

| CROQUI DE LOCALIZAÇÃO | FOTO |
|---|--|
|  |  |

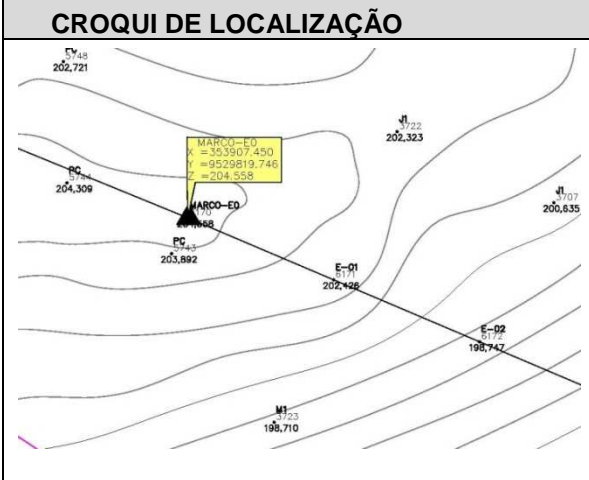

| Operador | Data | Processamento | Data | Monografia | Data |
|----------|------------|---------------|------------|------------|------------|
| DORIVAN | 29/03/2019 | SAMIRA | 28/06/2019 | VÂNIA | 23/09/2019 |

| COORDENADA DA BASE - SISTEMA GEODÉSICO SIRGAS 2000 | |
|--|-------------------------------|
| UTM (N): 9.528.313,282 | ALTITUDE ORTOMÉTRICA: 187,914 |
| UTM (E): 357.219,476 | |

Quadro 2.4 - Informações do Marco 0

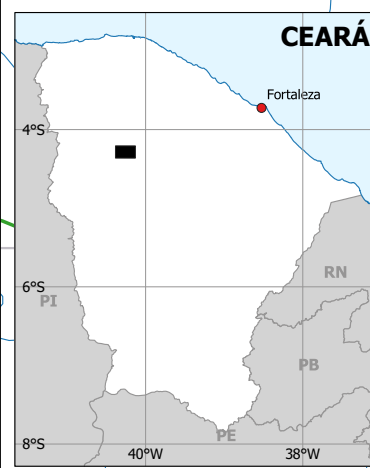
| INFORMAÇÕES DA BASE DE PARTIDA | |
|--------------------------------|-----------------------------|
| Nome do RN: MARCO 0 | Data da Medição: 29/03/2019 |
| Tipo do Marco: Concreto | |
| Inscrição da plaqueta: BASE | |

| INFORMAÇÕES SOBRE A LOCALIZAÇÃO | |
|---|---------------|
| Localização: Chapa cravada no marco de concreto na estaca 0 no eixo do levantamento da barragem | |
| Endereço: | |
| Município: Santa Quitéria | Estado: Ceará |

| CROQUI DE LOCALIZAÇÃO | FOTO |
|--|---|
|  |  |

| Operador | Data | Processamento | Data | Monografia | Data |
|----------|------------|---------------|------------|------------|------------|
| DORIVAN | 29/03/2019 | SAMIRA | 28/06/2019 | VÂNIA | 23/09/2019 |

| COORDENADA DA BASE - SISTEMA GEODÉSICO SIRGAS 2000 | |
|--|-------------------------------|
| UTM (N): 9529819,746 | ALTITUDE ORTOMÉTRICA: 204,558 |
| UTM (E): 3535907,45 | |



| Ponto | Este (m) | Norte (m) | Cota (m) |
|-------------|-------------|---------------|----------|
| RN-1861F | 369.039,177 | 9.521.240,762 | 205,667 |
| R01 | 368.405,000 | 9.521.549,000 | 204,065 |
| R02 | 367.866,664 | 9.521.677,459 | 191,974 |
| R04 | 365.082,110 | 9.522.453,869 | 205,987 |
| R05 | 364.685,284 | 9.522.537,493 | 215,046 |
| R06 | 363.759,200 | 9.522.813,800 | 211,563 |
| R07 | 363.564,508 | 9.522.969,737 | 210,767 |
| R09 | 362.472,000 | 9.523.715,000 | 209,942 |
| R10 | 361.149,000 | 9.524.607,000 | 219,292 |
| R11 | 360.855,000 | 9.524.783,000 | 216,301 |
| R12 | 359.780,000 | 9.525.574,000 | 200,572 |
| R13 | 358.438,000 | 9.526.432,000 | 179,434 |
| R14 | 357.900,000 | 9.526.912,000 | 179,864 |
| MARCO APOIO | 357.219,476 | 9.528.313,282 | 187,914 |
| MARCO-P7 | 355.938,614 | 9.529.481,424 | 181,497 |
| MARCO-E0 | 353.907,450 | 9.529.819,746 | 204,558 |

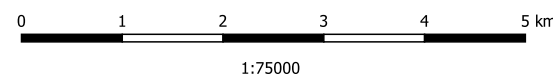
Legenda

- Eixos das Obras
- Transporte de Cota (17,3 km)
- Eixo da Barragem
- RN / Marco
- Eixo do Sangradouro

Convenções

- Localidades
 - Capital
 - Sede Municipal
 - Distrito
- Limites / Hidrografia
 - Limite Municipal
 - Rios e Riachos
 - Açudes, Lagos e Lagoas
- Rodovias
 - Federal
 - Estadual
 - Estrada de Terra

ESCALA GRÁFICA





GOVERNO DO ESTADO DO CEARÁ
 SECRETARIA DOS RECURSOS HÍDRICOS - SRH/CE
COMPANHIA DE GESTÃO DOS RECURSOS HÍDRICOS - COGERH

ELABORAÇÃO DOS ESTUDOS DE VIABILIDADE, ESTUDOS AMBIENTAIS (EIA-RIMA),
 LEVANTAMENTO CADASTRAL, PLANO DE REASSENTAMENTO E PROJETO EXECUTIVO DA
 BARRAGEM POÇO COMPRIDO NO MUNICÍPIO DE SANTA QUITÉRIA, NO ESTADO DO CEARÁ

ESTUDO BÁSICO DE TOPOGRAFIA

FIGURA 2.3
CROQUI DO CAMINHAMENTO
DO TRANSPORTE DE COTA

2.3 - LEVANTAMENTO DA ÁREA DO EIXO BARRÁVEL E DO VERTEDOIRO

O levantamento da área da barragem teve como base o levantamento de dois eixos, o primeiro a ser levantado foi eixo da barragem. O estaqueamento iniciou na ombreira esquerda na estaca 0 e terminou na estaca 191+18,53, perfazendo um total de 3.838,53m. O segundo eixo levantado foi da primeira alternativa de sangradouro, que foi dividido em dois trechos montante e jusante, o montante com extensão de 860,0m e o de jusante 980,0m. A segunda alternativa do sangradouro faz parte do levantamento do seccionamento do eixo da barragem, não sendo assim necessário seu levantamento em duplicidade.

Ao longo de todo eixo da barragem, os pontos no eixo barrável foram estaqueados, numerados e cotados a cada 20 metros, tendo sido implantadas estacas intermediárias indicando elementos importantes como talvegues, estradas, afloramentos rochosos, rede elétrica, elevações, mudanças bruscas de inclinação do terreno, etc.

O levantamento das seções transversais do eixo barrável, abrangeu uma faixa de domínio de 150 metros a montante e a jusante do referido eixo. Tendo sido levantadas seções transversais ao eixo, com pontos cotados a cada 20 metros, de acordo com a faixa de domínio recomendada. Os pontos foram estaqueados, numerados e cotados a cada 20 metros, tendo sido implantadas estacas intermediárias indicando elementos importantes como talvegues, estradas, afloramentos rochosos, rede elétrica, elevações, mudanças bruscas de inclinação do terreno, etc.

Para o eixo da barragem foram executadas 191 seções de levantamento, com total levantado de 57.300,0m.

O levantamento dos eixos longitudinal e transversal do vertedouro obedeceu à sistemática descrita anteriormente, sendo que as seções foram prolongadas a montante, até a cota fixada para soleira, e a jusante o levantamento até o leito do rio foi feito acompanhando o canal de sangria, através de poligonais seccionadas a cada 20 metros, com 150 metros de largura para cada lado, com pontos cotados a cada 20 metros.

Para o eixo do vertedouro foram executadas 100 seções de levantamento, com total levantado de 30.000,0m.

Em anexo apresentamos as cadernetas de pontos.

2.4 - LEVANTAMENTO DA ÁREA DE JAZIDA

O levantamento planimétrico das jazidas, foi realizado nas áreas de ocorrências de materiais identificadas pela equipe de geotécnica, materiais estes que serão utilizados na construção

da barragem. Através do transporte de coordenada todos os furos foram levantados e a poligonal de cada jazida foi amarrada ao eixo da barragem. Todos os poços escavados na investigação das jazidas foram locados, nivelados, numerados e referenciados topograficamente. No Tomo de desenhos foi confeccionada a planta baixa das áreas das jazidas, mostrando a localização de todas as ocorrências de material, em escala apropriada.

Foi elaborada uma planta individualizada para cada jazida

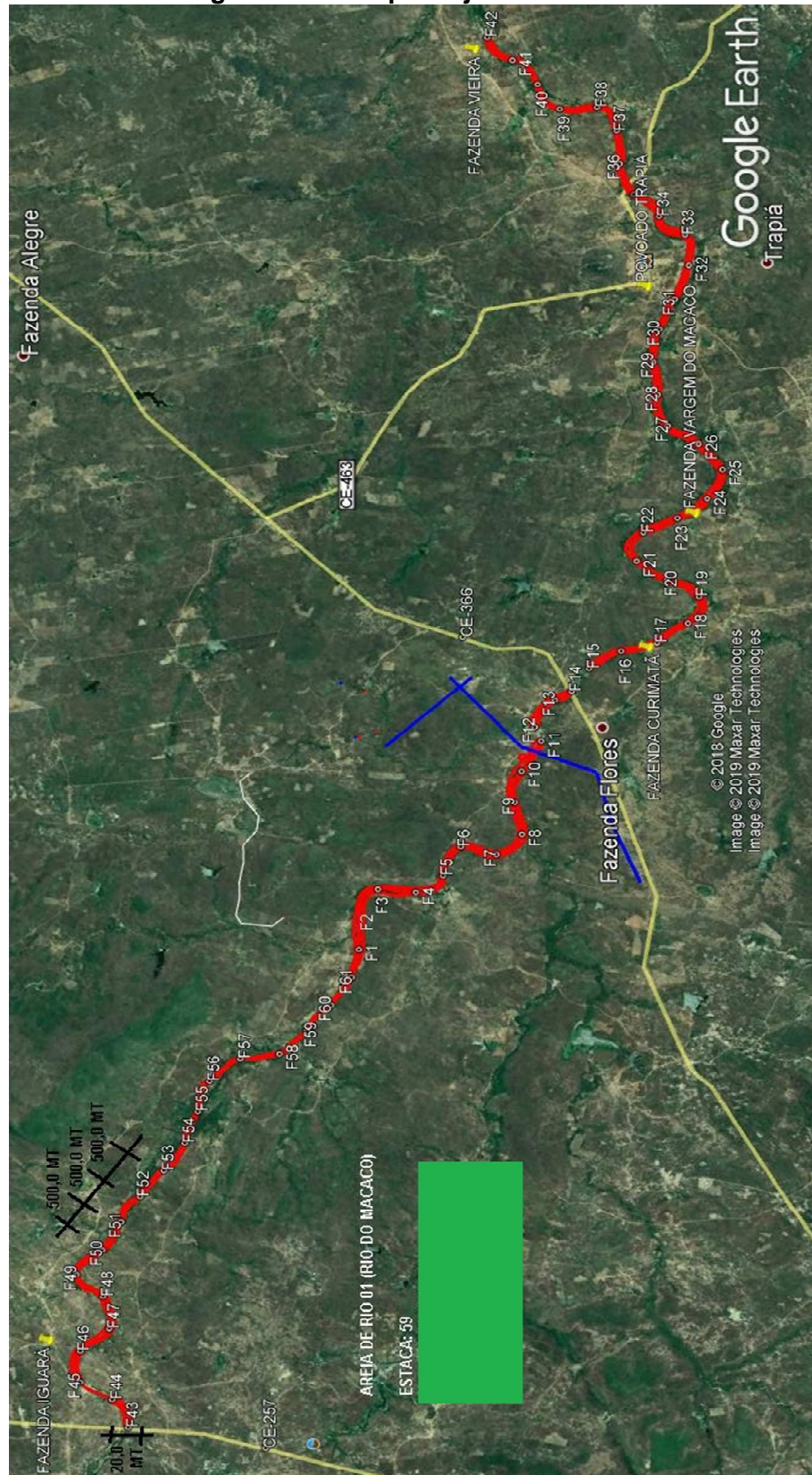
Abaixo, segue **Quadro 2.5**, onde relaciona as jazidas e suas áreas levantadas topograficamente e sua área de útil de utilização.

Para o caso específico da jazida de areia, foi levantado topograficamente todo os 61 pontos de prospecção feito ao longo do rio Macacos, planta apresentada em anexo. Tendo sido realizado levantamento de 28 km ao longo do rio, sendo feito furos a cada 500m. Do total das 61 prospecções de areia foram selecionadas 25 para ensaios de laboratório.

Para efeito de quantificação do volume de areia disponível, será realizada uma estimativa de largura de interferência de cada furo (20*500m) com a profundida encontrada em cada furo prospectado.

Apresentamos a seguir, na **Figura 2.4** a localização dos 61 furos bem como o memorial descritivo de todos pontos. O areal se apresenta de forma linear ao longo do rio Macacos, entretanto entremeados, em alguns pontos, por afloramentos de rocha. A caderneta de campo encontra-se em anexo.

Figura 2.4 - Croqui da jazida de areia



Quadro 2.5 - Quadro do Levantamento de Jazidas

| JAZIDA DE AREIA | ÁREA LEVANTADA EM CAMPO (m ²) | ÁREA DE CONTORNO (m ²) | MATERIAL |
|--------------------|---|------------------------------------|--------------|
| 1 | 532.685,81 | 697.354,22 | SOLOS |
| 2 | 589.424,57 | 758.226,93 | SOLOS |
| 3 | 482.509,99 | 671.166,07 | SOLOS |
| 4 | 192.330,08 | 290.270,74 | SOLOS |
| 5 | 424.488,58 | 596.680,96 | SOLOS |
| 6 | 428.995,29 | 576.838,10 | SOLOS |
| 7 | 194.298,04 | 322.888,61 | SOLOS |
| 8 | 327.962,79 | 461.443,47 | SOLOS |
| 14 | 329.617,12 | 475.692,78 | SOLOS |
| 15A | 174.925,55 | 237.619,53 | SOLOS |
| 16 | 225.986,40 | 333.287,25 | SOLOS |
| 17 | 318.977,05 | 442.510,00 | SOLOS |
| 18 | 366.789,74 | 497.415,86 | SOLOS |
| 19 | 415.686,17 | 557.034,69 | SOLOS |
| TOTAL | 5.004.677,18 | 6.421.013,35 | SOLOS |
| JAZIDA DE CASCALHO | ÁREA LEVANTADA EM CAMPO (m ²) | ÁREA DE CONTORNO (m ²) | MATERIAL |
| 15B | 189.380,48 | 258.718,53 | CASCALHO |
| JAZIDA DE AREIA | ÁREA LEVANTADA EM CAMPO (m ²) | ÁREA DE CONTORNO (m ²) | MATERIAL |
| JA. 1.1 | 269.071,28 | 269.071,28 | AREIA |
| JA 1.2 | 207.429,77 | 207.429,77 | AREIA |
| JA 1.3 | 185.178,40 | 185.178,40 | AREIA |
| JA 1.4 | 250.077,53 | 250.077,53 | AREIA |
| TOTAL | 911.756,98 | 911.756,98 | AREIA |
| PEDREIRA | ÁREA LEVANTADA EM CAMPO (m ²) | ÁREA DE CONTORNO (m ²) | MATERIAL |
| 1 | 4.131,82 | 28.320,60 | ROCHA |
| 2 | 6.431,95 | 39.606,77 | ROCHA |
| 3 | 26.312,88 | 69.922,40 | ROCHA |
| TOTAL | 36.876,65 | 137.849,77 | ROCHA |

3 - RELATÓRIO FOTOGRÁFICO

3 - RELATÓRIO FOTOGRÁFICO

As Figuras 3.1 a 3.8 são referentes aos Marcos de Apoio de locação da barragem



Figura 3.1 - Foto do Marco do IBGE RN1861M



Figura 3.2 - Foto do Marco do IBGE RN1861M



Figura 3.3 - Foto do Marco de apoio RN1261U



Figura 3.4 - Foto do Marco de apoio RN1261U



Figura 3.5 - Foto do Marco do anteprojeto do DNOCS



Figura 3.6 - Foto do Marco do anteprojeto do DNOCS



Figura 3.7 - Foto do Marco do anteprojeto do DNOCS



Figura 3.8 - Foto do Marco do anteprojeto do DNOCS

As **Figuras 3.9 a 3.22** são referentes aos Marcos e ponto de apoio do caminhamento do transporte de cotas



Figura 3.9 - Foto do ponto de apoio P3



Figura 3.10 - Foto do ponto de apoio R1

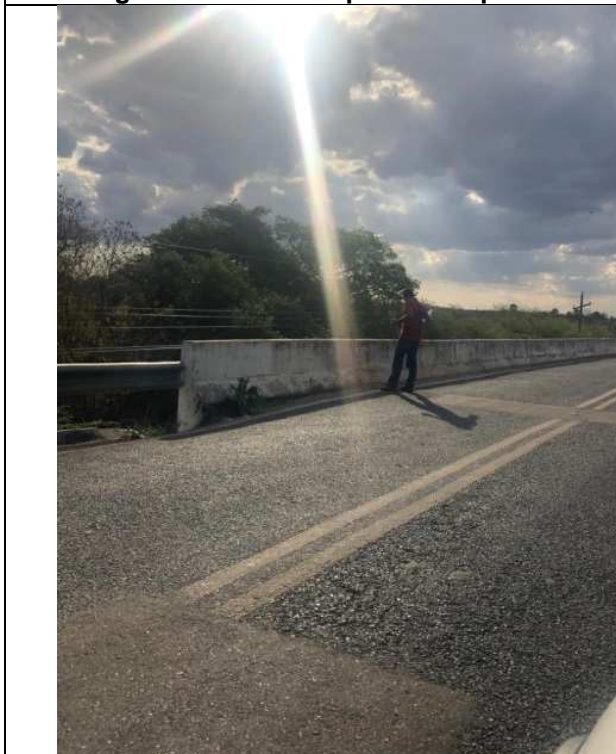


Figura 3.11 - Foto do ponto de apoio R2



Figura 3.12 - Foto do ponto de apoio R4



Figura 3.13 - Foto do ponto de apoio R5



Figura 3.14 - Foto do ponto de apoio R6



Figura 3.15 - Foto do ponto de apoio R7

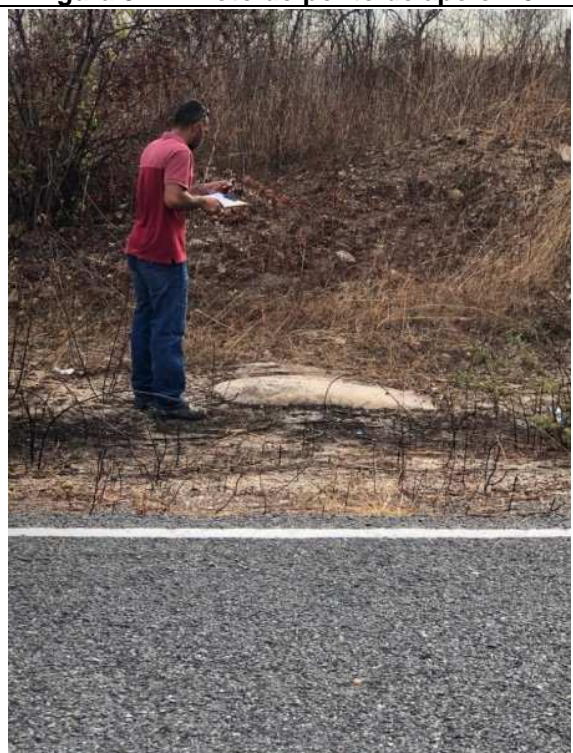


Figura 3.16 - Foto do ponto de apoio R8



Figura 3.17 - Foto do ponto de apoio R10



Figura 3.18 - Foto do ponto de apoio R-10



Figura 3.19 - Foto do ponto de apoio R11

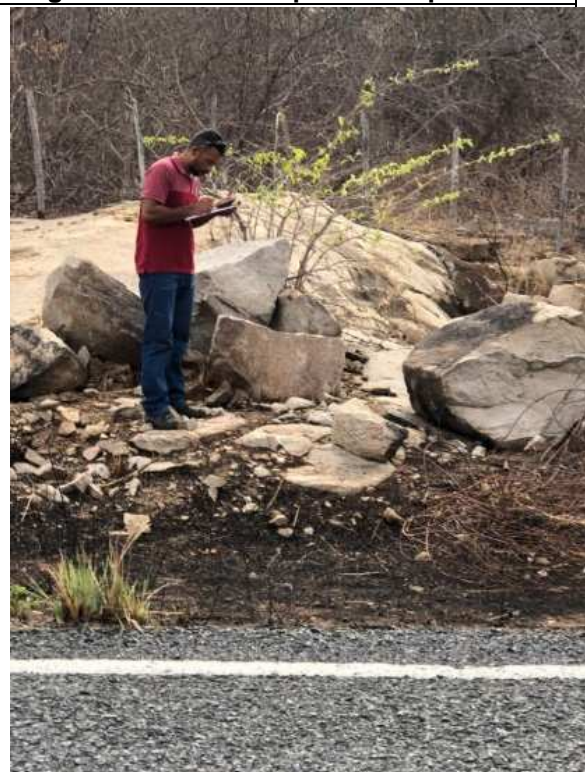


Figura 3.20 - Foto do ponto de apoio R12

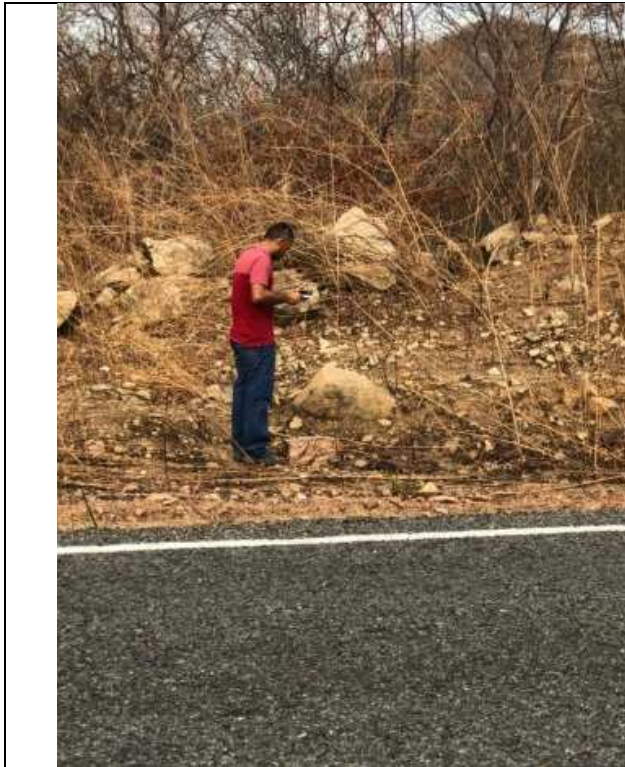


Figura 3.21 - Foto do ponto de apoio R13



Figura 3.22 - Foto do ponto de apoio R14

4 - BIBLIOGRAFIA

4 - BIBLIOGRAFIA

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ANEXO

CADERNETA DE CAMPO-GERAL

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|--------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1 | 9529849,104 | 354003,243 | 198,356 | BASE PARTIDA |
| 2 | 9521246,780 | 369033,688 | 207,984 | EX |
| 3 | 9522567,057 | 364786,716 | 217,993 | BASE |
| 4 | 9522066,765 | 366450,312 | 210,513 | EX |
| 5 | 9522053,520 | 366499,362 | 210,079 | EX |
| 6 | 9522039,891 | 366548,862 | 210,173 | EX |
| 7 | 9526647,655 | 357949,777 | 169,246 | J6-01 |
| 8 | 9529761,249 | 353554,553 | 193,648 | PT,CON |
| 9 | 9529274,680 | 355232,124 | 158,824 | M8 |
| 10 | 9529276,139 | 355211,469 | 157,886 | M8 |
| 11 | 9530570,412 | 354974,037 | 157,773 | PT,CON |
| 12 | 9529914,752 | 355761,136 | 182,677 | PT,CON |
| 13 | 9530519,919 | 353223,483 | 188,749 | PT,CON |
| 14 | 9529879,861 | 354371,010 | 166,127 | PT,CON |
| 15 | 9521919,700 | 366989,406 | 205,194 | EX |
| 16 | 9526837,323 | 357438,559 | 168,199 | J6-17 |
| 17 | 9529318,627 | 354997,193 | 157,252 | PEDREIRA 1 |
| 18 | 9529318,585 | 354983,157 | 159,176 | PEDREIRA 1 |
| 19 | 9526641,740 | 357663,585 | 170,029 | J6-14 |
| 20 | 9529996,412 | 353825,443 | 181,933 | PEDREIRA 3 |
| 21 | 9526513,050 | 357816,158 | 169,090 | J6-12 |
| 22 | 9530351,168 | 355543,993 | 175,447 | PT,CON |
| 23 | 9529098,028 | 356541,995 | 181,720 | PT,CON |
| 24 | 9529772,723 | 354194,671 | 171,116 | CALCADA |
| 25 | 9529764,015 | 354200,023 | 170,748 | CALCADA |
| 26 | 9529736,245 | 354071,658 | 173,380 | CE |
| 27 | 9529745,083 | 354064,121 | 174,180 | PC |
| 28 | 9529763,364 | 354053,729 | 174,997 | PC |
| 29 | 9530224,341 | 355416,400 | 169,574 | PO |
| 30 | 9530229,686 | 355384,395 | 168,491 | EX |
| 31 | 9530233,627 | 355361,968 | 167,902 | PO |
| 32 | 9530267,207 | 355338,577 | 165,592 | EX |
| 33 | 9530282,457 | 355345,012 | 165,274 | PO |
| 34 | 9530327,616 | 355406,853 | 167,049 | PO |
| 35 | 9530325,737 | 355292,568 | 159,930 | PO |
| 36 | 9530327,157 | 355265,824 | 160,980 | EX |
| 37 | 9530321,632 | 355254,517 | 160,185 | PO |
| 38 | 9530365,305 | 355219,213 | 158,251 | EX |
| 39 | 9530400,714 | 355170,520 | 157,030 | PONTE |
| 40 | 9530406,122 | 355175,088 | 157,047 | PONTE |
| 41 | 9530481,886 | 355071,784 | 157,197 | PONTE |
| 42 | 9530487,423 | 355076,264 | 157,177 | PONTE |
| 43 | 9530485,210 | 355073,392 | 157,245 | EX |
| 44 | 9530526,927 | 355050,088 | 153,064 | PC |
| 45 | 9530517,013 | 355061,947 | 152,565 | PC |
| 46 | 9530509,983 | 355070,539 | 152,286 | PC |
| 47 | 9530508,092 | 355068,797 | 152,560 | PO |
| 48 | 9530504,793 | 355075,883 | 151,910 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 49 | 9530496,896 | 355083,646 | 150,883 | PC |
| 50 | 9530488,693 | 355088,776 | 150,408 | PC |
| 51 | 9530481,641 | 355088,499 | 150,339 | PC |
| 52 | 9530465,872 | 355081,489 | 149,976 | PC |
| 53 | 9530411,407 | 355186,637 | 153,194 | PO |
| 54 | 9530416,080 | 355183,887 | 152,503 | PC |
| 55 | 9530417,329 | 355188,701 | 153,035 | PC |
| 56 | 9530410,574 | 355197,278 | 154,124 | PC |
| 57 | 9530402,950 | 355205,489 | 154,862 | PC |
| 58 | 9530450,856 | 355254,641 | 153,445 | PO |
| 59 | 9530448,747 | 355252,171 | 153,693 | PO |
| 60 | 9530366,953 | 355241,219 | 156,517 | PO |
| 61 | 9530086,499 | 355558,106 | 178,344 | EX |
| 62 | 9530054,907 | 355596,876 | 180,080 | EX |
| 63 | 9530023,110 | 355635,703 | 181,782 | EX |
| 64 | 9529990,780 | 355675,010 | 183,561 | EX |
| 65 | 9529958,748 | 355714,002 | 184,631 | EX |
| 66 | 9529926,729 | 355752,835 | 183,401 | EX |
| 67 | 9529894,845 | 355791,669 | 180,362 | EX |
| 68 | 9529862,322 | 355830,367 | 178,481 | EX |
| 69 | 9529828,671 | 355868,146 | 177,914 | EX |
| 70 | 9529792,739 | 355904,899 | 177,325 | EX |
| 71 | 9529756,215 | 355939,531 | 176,857 | EX |
| 72 | 9529718,363 | 355974,320 | 176,304 | EX |
| 73 | 9529680,953 | 356008,784 | 175,937 | EX |
| 74 | 9529643,566 | 356042,808 | 175,555 | EX |
| 75 | 9529606,921 | 356076,856 | 175,293 | EX |
| 76 | 9529569,932 | 356110,973 | 175,051 | EX |
| 77 | 9529532,651 | 356145,333 | 174,588 | EX |
| 78 | 9529494,498 | 356180,393 | 174,437 | EX |
| 79 | 9529456,017 | 356215,719 | 175,261 | EX |
| 80 | 9529418,741 | 356249,978 | 176,481 | EX |
| 81 | 9529381,280 | 356284,490 | 177,134 | EX |
| 82 | 9529342,212 | 356320,539 | 177,189 | EX |
| 83 | 9529291,293 | 356367,396 | 177,257 | EX |
| 84 | 9529177,443 | 356471,682 | 179,331 | EX |
| 85 | 9529138,760 | 356507,530 | 180,775 | EX |
| 86 | 9529085,826 | 356556,159 | 181,585 | EX |
| 87 | 9529045,845 | 356592,851 | 181,274 | EX |
| 88 | 9529008,635 | 356627,090 | 180,809 | EX |
| 89 | 9528970,294 | 356662,086 | 179,957 | EX |
| 90 | 9528931,801 | 356697,640 | 178,812 | EX |
| 91 | 9528894,656 | 356731,697 | 178,138 | EX |
| 92 | 9528856,981 | 356766,480 | 178,783 | EX |
| 93 | 9528820,013 | 356800,466 | 179,763 | EX |
| 94 | 9528781,961 | 356835,443 | 180,690 | EX |
| 95 | 9528744,607 | 356869,634 | 181,667 | EX |
| 96 | 9528706,738 | 356904,586 | 182,596 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 97 | 9528667,553 | 356940,581 | 182,922 | EX |
| 98 | 9528628,722 | 356976,239 | 182,867 | EX |
| 99 | 9528590,240 | 357011,488 | 182,782 | EX |
| 100 | 9528551,977 | 357046,752 | 183,079 | EX |
| 101 | 9528514,863 | 357080,937 | 183,874 | EX |
| 102 | 9528477,344 | 357115,357 | 184,767 | EX |
| 103 | 9528439,624 | 357149,931 | 185,855 | EX |
| 104 | 9528402,118 | 357184,423 | 186,630 | EX |
| 105 | 9528365,081 | 357218,519 | 187,058 | EX |
| 106 | 9528327,009 | 357253,521 | 187,311 | EX |
| 107 | 9528289,600 | 357287,943 | 187,265 | EX |
| 108 | 9528219,169 | 357352,699 | 187,092 | EX |
| 109 | 9528182,271 | 357387,021 | 186,939 | EX |
| 110 | 9528144,020 | 357422,074 | 186,851 | EX |
| 111 | 9528105,867 | 357455,875 | 186,755 | EX |
| 112 | 9528062,928 | 357484,810 | 186,516 | EX |
| 113 | 9528015,817 | 357502,336 | 185,537 | EX |
| 114 | 9527966,658 | 357513,072 | 183,517 | EX |
| 115 | 9527916,228 | 357522,922 | 180,619 | EX |
| 116 | 9527865,416 | 357533,190 | 178,248 | EX |
| 117 | 9527814,105 | 357543,548 | 178,145 | EX |
| 118 | 9527763,657 | 357553,645 | 178,694 | EX |
| 119 | 9527714,147 | 357563,703 | 179,239 | EX |
| 120 | 9527664,351 | 357573,661 | 179,032 | EX |
| 121 | 9527614,583 | 357583,582 | 178,010 | EX |
| 122 | 9527564,871 | 357593,708 | 177,061 | EX |
| 123 | 9527514,737 | 357603,954 | 176,551 | EX |
| 124 | 9527464,035 | 357614,744 | 176,188 | EX |
| 125 | 9527413,975 | 357627,284 | 175,589 | EX |
| 126 | 9527362,814 | 357642,932 | 174,393 | EX |
| 127 | 9527314,502 | 357659,757 | 173,084 | EX |
| 128 | 9527266,680 | 357677,144 | 172,171 | EX |
| 129 | 9527218,341 | 357694,437 | 172,119 | EX |
| 130 | 9527170,617 | 357712,103 | 172,381 | EX |
| 131 | 9527123,702 | 357730,643 | 173,158 | EX |
| 132 | 9527075,808 | 357755,453 | 174,347 | EX |
| 133 | 9527031,655 | 357786,489 | 175,831 | EX |
| 134 | 9526993,338 | 357820,986 | 177,360 | EX |
| 135 | 9526959,165 | 357858,004 | 178,684 | EX |
| 136 | 9526925,022 | 357896,155 | 179,281 | EX |
| 137 | 9529495,405 | 354935,767 | 159,410 | PC |
| 138 | 9529505,406 | 354935,686 | 159,304 | PC |
| 139 | 9529515,465 | 354935,403 | 159,147 | PC |
| 140 | 9529525,511 | 354934,570 | 158,984 | PC |
| 141 | 9529535,470 | 354931,733 | 158,919 | PC |
| 142 | 9529544,558 | 354927,552 | 158,886 | PC |
| 143 | 9529553,331 | 354922,611 | 158,823 | PC |
| 144 | 9529561,837 | 354917,015 | 158,787 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 145 | 9529570,285 | 354911,073 | 158,897 | PC |
| 146 | 9529579,097 | 354905,866 | 158,829 | PC |
| 147 | 9529589,550 | 354904,682 | 158,313 | PC |
| 148 | 9529599,360 | 354901,716 | 158,012 | PC |
| 149 | 9529608,686 | 354898,080 | 157,958 | PC |
| 150 | 9529617,797 | 354893,497 | 157,861 | PC |
| 151 | 9529626,685 | 354888,557 | 157,164 | PC |
| 152 | 9529634,702 | 354882,183 | 156,809 | PC |
| 153 | 9529642,592 | 354875,879 | 156,371 | PC |
| 154 | 9529650,344 | 354869,356 | 155,709 | PC |
| 155 | 9529659,354 | 354864,812 | 154,637 | PC |
| 156 | 9529668,632 | 354860,807 | 154,023 | PC |
| 157 | 9529676,873 | 354854,749 | 153,425 | PC |
| 158 | 9529682,677 | 354846,600 | 152,554 | PC |
| 159 | 9529688,901 | 354838,539 | 152,172 | PC |
| 160 | 9529696,026 | 354831,402 | 151,347 | PC |
| 161 | 9529704,237 | 354825,440 | 150,723 | PC |
| 162 | 9529712,774 | 354820,034 | 150,135 | PC |
| 163 | 9529722,182 | 354816,139 | 149,813 | PC |
| 164 | 9529728,401 | 354808,178 | 150,154 | PC |
| 165 | 9529736,909 | 354802,615 | 150,843 | PC |
| 166 | 9529745,435 | 354796,534 | 151,294 | PC |
| 167 | 9529755,205 | 354794,078 | 151,591 | PC |
| 168 | 9529764,836 | 354790,909 | 152,025 | PC |
| 169 | 9529774,521 | 354787,454 | 152,192 | PC |
| 170 | 9529783,118 | 354782,246 | 152,501 | PC |
| 171 | 9529791,383 | 354776,219 | 152,949 | PC |
| 172 | 9529800,057 | 354770,843 | 153,133 | PC |
| 173 | 9529808,796 | 354765,167 | 153,455 | PC |
| 174 | 9529816,597 | 354758,597 | 153,750 | PC |
| 175 | 9529825,303 | 354753,627 | 154,147 | PC |
| 176 | 9529832,933 | 354746,553 | 154,412 | PC |
| 177 | 9529838,489 | 354738,094 | 154,799 | PC |
| 178 | 9529843,218 | 354729,137 | 155,114 | PC |
| 179 | 9529085,328 | 353412,697 | 181,587 | PC |
| 180 | 9529093,849 | 353393,872 | 180,908 | PC |
| 181 | 9529103,490 | 353375,434 | 180,115 | PC |
| 182 | 9529124,976 | 353385,954 | 180,923 | PC |
| 183 | 9529117,888 | 353404,761 | 181,340 | PC |
| 184 | 9529111,003 | 353423,472 | 182,012 | PC |
| 185 | 9529098,007 | 353460,592 | 183,574 | PC |
| 186 | 9529091,375 | 353479,932 | 184,489 | PC |
| 187 | 9522638,912 | 364351,662 | 205,815 | EX |
| 188 | 9529108,963 | 353506,260 | 185,309 | PC |
| 189 | 9529113,836 | 353487,637 | 185,547 | PC |
| 190 | 9529119,095 | 353467,894 | 185,582 | PC |
| 191 | 9529127,383 | 353429,927 | 183,139 | PC |
| 192 | 9529134,384 | 353409,682 | 182,124 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|----------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 193 | 9530006,262 | 352821,550 | 198,955 | J14-14 |
| 194 | 9529138,291 | 353392,372 | 181,638 | PC |
| 195 | 9529150,809 | 353400,379 | 182,441 | PC |
| 196 | 9529147,022 | 353418,723 | 183,586 | PC |
| 197 | 9529144,130 | 353437,315 | 184,939 | PC |
| 198 | 9522796,534 | 363808,577 | 211,087 | EX |
| 199 | 9529135,322 | 353495,994 | 186,304 | PC |
| 200 | 9529132,093 | 353515,266 | 186,221 | PC |
| 201 | 9522879,888 | 363675,516 | 211,446 | EX |
| 202 | 9522909,513 | 363633,387 | 211,282 | EX |
| 203 | 9522940,412 | 363589,194 | 211,114 | EX |
| 204 | 9522969,762 | 363547,207 | 210,956 | EX |
| 205 | 9522998,769 | 363506,041 | 210,824 | EX |
| 206 | 9523028,138 | 363463,283 | 210,917 | EX |
| 207 | 9529535,948 | 354885,232 | 160,208 | J6 |
| 208 | 9523087,289 | 363379,093 | 211,687 | EX |
| 209 | 9523118,239 | 363335,007 | 212,057 | EX |
| 210 | 9523147,786 | 363292,826 | 212,465 | EX |
| 211 | 9523176,905 | 363250,778 | 212,823 | EX |
| 212 | 9530228,334 | 355530,594 | 175,404 | PO |
| 213 | 9530176,010 | 355475,861 | 173,670 | PO |
| 214 | 9530170,932 | 355455,811 | 173,040 | EX |
| 215 | 9530143,302 | 355471,237 | 174,077 | PO |
| 216 | 9529328,001 | 354901,537 | 161,410 | M4 |
| 217 | 9529300,717 | 354903,817 | 162,033 | M5 |
| 218 | 9528865,589 | 356419,208 | 184,493 | PO |
| 219 | 9528254,476 | 357167,738 | 190,229 | H-D-B 183,M-11 |
| 220 | 9528270,643 | 357142,464 | 189,668 | M10-181+10 |
| 221 | 9523469,089 | 362833,039 | 219,384 | EX |
| 222 | 9529220,721 | 353470,727 | 186,808 | PC |
| 223 | 9523527,901 | 362748,935 | 216,822 | EX |
| 224 | 9523557,251 | 362707,009 | 215,924 | EX |
| 225 | 9523587,312 | 362664,076 | 215,162 | EX |
| 226 | 9523616,006 | 362622,833 | 214,403 | EX |
| 227 | 9530545,498 | 355827,969 | 160,790 | J4-01 |
| 228 | 9530597,519 | 355811,769 | 160,841 | J4-02 |
| 229 | 9530691,097 | 355781,867 | 159,791 | J4-03 |
| 230 | 9530787,388 | 355751,534 | 158,492 | J4-04 |
| 231 | 9530876,873 | 355724,810 | 157,111 | J4-05 |
| 232 | 9530472,148 | 355747,407 | 167,882 | J4-06 |
| 233 | 9530568,436 | 355717,959 | 163,730 | J4-07 |
| 234 | 9530661,567 | 355689,637 | 165,652 | J4-08 |
| 235 | 9530756,076 | 355659,386 | 165,743 | J4-09 |
| 236 | 9530849,795 | 355630,349 | 161,657 | J4-10 |
| 237 | 9530442,378 | 355655,122 | 168,357 | J4-11 |
| 238 | 9530538,813 | 355623,775 | 166,129 | J4-12 |
| 239 | 9530629,284 | 355595,393 | 168,425 | J4-13 |
| 240 | 9530720,537 | 355564,575 | 168,285 | J4-14 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 241 | 9530810,800 | 355534,487 | 164,908 | J4-15 |
| 242 | 9530786,266 | 355438,492 | 160,697 | J4-20 |
| 243 | 9530692,739 | 355468,453 | 163,644 | J4-19 |
| 244 | 9530601,520 | 355498,932 | 163,073 | J4-18 |
| 245 | 9530508,429 | 355529,228 | 167,212 | J4-17 |
| 246 | 9530416,293 | 355559,071 | 171,603 | J4-16 |
| 247 | 9530479,061 | 355437,819 | 166,705 | J4-22 |
| 248 | 9530745,322 | 355293,081 | 154,349 | J4-25 |
| 249 | 9530651,666 | 355326,288 | 157,978 | J4-24 |
| 250 | 9530558,689 | 355354,649 | 159,821 | J4-23 |
| 251 | 9530371,293 | 355416,307 | 166,454 | J4-21 |
| 252 | 9529421,591 | 355928,655 | 179,241 | J1-41 |
| 253 | 9529365,861 | 355863,853 | 175,553 | J1-42 |
| 254 | 9529544,188 | 355953,759 | 179,833 | J3 |
| 255 | 9524451,554 | 361324,578 | 219,629 | EX |
| 256 | 9528106,177 | 357418,741 | 185,463 | PO |
| 257 | 9528106,618 | 357423,319 | 185,421 | MC |
| 258 | 9528037,658 | 357470,623 | 185,489 | PO |
| 259 | 9527952,640 | 357492,446 | 182,796 | PO |
| 260 | 9527838,663 | 357532,824 | 177,269 | BUEIRO |
| 261 | 9527841,141 | 357532,355 | 177,180 | BUEIRO |
| 262 | 9527840,784 | 357544,045 | 177,145 | BUEIRO |
| 263 | 9527843,131 | 357543,668 | 177,089 | BUEIRO |
| 264 | 9527842,179 | 357544,071 | 175,752 | BUEIRO |
| 265 | 9529255,398 | 355737,554 | 170,629 | J1-44 |
| 266 | 9528105,185 | 357501,847 | 187,036 | PO |
| 267 | 9528103,580 | 357499,119 | 186,988 | PO |
| 268 | 9528254,806 | 357372,125 | 186,487 | PO |
| 269 | 9528378,468 | 357265,705 | 186,673 | PO |
| 270 | 9528505,265 | 357158,634 | 183,815 | PO |
| 271 | 9528646,806 | 357039,261 | 180,763 | PO |
| 272 | 9528803,558 | 356900,730 | 182,547 | PO |
| 273 | 9528958,776 | 356764,738 | 176,961 | PO |
| 274 | 9528961,117 | 356767,584 | 176,949 | PO |
| 275 | 9528908,158 | 356726,154 | 177,736 | BUEIRO |
| 276 | 9528909,543 | 356725,248 | 176,207 | BUEIRO |
| 277 | 9528910,893 | 356723,652 | 177,763 | BUEIRO |
| 278 | 9528904,051 | 356715,906 | 177,776 | BUEIRO |
| 279 | 9528902,951 | 356716,796 | 176,159 | BUEIRO |
| 280 | 9528901,242 | 356718,454 | 177,735 | BUEIRO |
| 281 | 9528916,273 | 356684,137 | 177,905 | PO |
| 282 | 9528822,579 | 356774,129 | 178,331 | PO |
| 283 | 9528732,746 | 356857,784 | 180,831 | PO |
| 284 | 9528646,225 | 356942,780 | 181,104 | PO |
| 285 | 9528602,028 | 356994,609 | 182,191 | BUEIRO |
| 286 | 9528600,483 | 356995,401 | 180,554 | BUEIRO |
| 287 | 9528600,078 | 356996,322 | 182,145 | BUEIRO |
| 288 | 9528607,963 | 357001,829 | 182,237 | BUEIRO |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 289 | 9528606,528 | 357003,185 | 182,229 | BUEIRO |
| 290 | 9528607,263 | 357002,736 | 180,628 | BUEIRO |
| 291 | 9528533,788 | 357043,454 | 182,721 | PO |
| 292 | 9528438,734 | 357131,706 | 185,699 | PO |
| 293 | 9528343,987 | 357219,248 | 186,783 | PO |
| 294 | 9528246,063 | 357303,080 | 186,179 | PO |
| 295 | 9524056,376 | 362002,517 | 221,534 | BASE |
| 296 | 9521240,762 | 369039,177 | 205,950 | RN1861F |
| 297 | 9530130,431 | 355532,013 | 176,882 | PO |
| 298 | 9530098,179 | 355525,564 | 177,510 | PO |
| 299 | 9530088,835 | 355582,810 | 178,737 | PO |
| 300 | 9530050,468 | 355583,416 | 180,219 | PO |
| 301 | 9529965,661 | 355732,509 | 186,033 | PO |
| 302 | 9529931,895 | 355773,786 | 183,077 | PO |
| 303 | 9529894,432 | 355820,233 | 178,363 | PO |
| 304 | 9529785,399 | 355939,369 | 174,985 | PO |
| 305 | 9529862,266 | 355992,658 | 172,023 | PO |
| 306 | 9529860,419 | 355990,747 | 172,142 | PO |
| 307 | 9529597,618 | 356030,721 | 176,055 | PO |
| 308 | 9529654,663 | 355976,009 | 177,302 | PO |
| 309 | 9529549,404 | 356077,650 | 176,637 | PO |
| 310 | 9529536,162 | 356090,102 | 175,835 | PO |
| 311 | 9529619,932 | 356091,334 | 173,776 | PO |
| 312 | 9529562,983 | 356247,549 | 171,594 | PO |
| 313 | 9529573,253 | 356134,272 | 173,167 | PO |
| 314 | 9529503,560 | 353558,240 | 202,400 | PC |
| 315 | 9526347,713 | 358541,343 | 182,168 | EX |
| 316 | 9526383,107 | 358501,580 | 180,770 | EX |
| 317 | 9529368,193 | 354765,887 | 167,765 | M8 |
| 318 | 9529501,010 | 353625,557 | 189,769 | PC |
| 319 | 9528233,750 | 357128,817 | 188,684 | M1 |
| 320 | 9528218,781 | 357115,437 | 187,793 | M2 |
| 321 | 9528203,932 | 357102,399 | 187,690 | M3 |
| 322 | 9528188,723 | 357089,157 | 187,418 | M4 |
| 323 | 9528173,815 | 357075,975 | 186,413 | M5 |
| 324 | 9528158,840 | 357062,744 | 184,741 | M6 |
| 325 | 9528143,048 | 357048,855 | 182,570 | M7 |
| 326 | 9528129,951 | 357036,666 | 181,618 | M8 |
| 327 | 9528119,249 | 357047,198 | 181,952 | M8 |
| 328 | 9528134,134 | 357060,423 | 183,443 | M7 |
| 329 | 9528149,093 | 357073,768 | 184,682 | M6 |
| 330 | 9528163,918 | 357086,915 | 186,635 | M5 |
| 331 | 9528178,829 | 357100,145 | 188,115 | M4 |
| 332 | 9528193,820 | 357113,470 | 189,180 | M3 |
| 333 | 9528208,812 | 357126,766 | 189,293 | M2 |
| 334 | 9528223,747 | 357140,058 | 189,826 | M1 |
| 335 | 9529078,049 | 356272,789 | 181,805 | E-132 |
| 336 | 9528253,609 | 357166,471 | 189,723 | J1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 337 | 9528268,516 | 357179,765 | 189,580 | J2 |
| 338 | 9528283,573 | 357193,116 | 189,186 | J3 |
| 339 | 9528298,447 | 357206,345 | 188,001 | J4 |
| 340 | 9529432,477 | 354770,906 | 161,763 | M1 |
| 341 | 9528323,737 | 357228,840 | 186,891 | J6 |
| 342 | 9528335,041 | 357218,687 | 186,689 | J6 |
| 343 | 9528323,318 | 357208,373 | 187,359 | J5 |
| 344 | 9528308,443 | 357195,156 | 187,987 | J4 |
| 345 | 9528293,503 | 357181,785 | 188,654 | J3 |
| 346 | 9528278,569 | 357168,573 | 189,197 | J2 |
| 347 | 9528263,600 | 357155,312 | 189,604 | J1 |
| 348 | 9529606,431 | 353632,598 | 198,690 | PC |
| 349 | 9528247,128 | 357113,925 | 186,994 | M1 |
| 350 | 9528232,134 | 357100,568 | 185,713 | M2 |
| 351 | 9528217,153 | 357087,254 | 186,333 | M3 |
| 352 | 9528202,127 | 357074,047 | 186,020 | M4 |
| 353 | 9528187,136 | 357060,762 | 185,237 | M5 |
| 354 | 9528172,333 | 357047,487 | 183,559 | M6 |
| 355 | 9528157,333 | 357034,141 | 182,077 | M7 |
| 356 | 9528142,345 | 357020,884 | 180,716 | M8 |
| 357 | 9528155,893 | 357006,365 | 179,847 | M8 |
| 358 | 9528170,866 | 357019,488 | 180,982 | M7 |
| 359 | 9528185,728 | 357032,810 | 182,156 | M6 |
| 360 | 9528200,570 | 357045,984 | 183,520 | M5 |
| 361 | 9528215,470 | 357059,200 | 184,027 | M4 |
| 362 | 9528230,367 | 357072,510 | 184,129 | M3 |
| 363 | 9528245,326 | 357085,714 | 185,087 | M2 |
| 364 | 9528260,222 | 357098,913 | 186,898 | M1 |
| 365 | 9529660,992 | 353655,205 | 186,399 | PC |
| 366 | 9528290,079 | 357125,439 | 188,767 | J1 |
| 367 | 9528276,985 | 357140,419 | 189,286 | J1 |
| 368 | 9528291,773 | 357153,666 | 188,751 | J2 |
| 369 | 9528305,156 | 357138,806 | 188,552 | J2 |
| 370 | 9528319,908 | 357152,037 | 188,186 | J3 |
| 371 | 9528306,848 | 357166,986 | 188,285 | J3 |
| 372 | 9528321,771 | 357180,258 | 187,798 | J4 |
| 373 | 9528335,016 | 357165,287 | 187,377 | J4 |
| 374 | 9528349,816 | 357178,562 | 186,861 | J5 |
| 375 | 9528364,739 | 357191,744 | 186,413 | J6 |
| 376 | 9528349,667 | 357205,018 | 186,584 | J5 |
| 377 | 9528336,698 | 357193,511 | 187,132 | J6 |
| 378 | 9528378,246 | 357176,848 | 186,348 | J6 |
| 379 | 9528363,345 | 357163,497 | 186,519 | J5 |
| 380 | 9528348,414 | 357150,228 | 187,227 | J4 |
| 381 | 9528333,458 | 357136,963 | 187,663 | J3 |
| 382 | 9528318,609 | 357123,704 | 187,920 | J2 |
| 383 | 9528303,522 | 357110,344 | 187,963 | J1 |
| 384 | 9529716,729 | 353679,872 | 186,199 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 385 | 9528273,631 | 357083,818 | 186,029 | M1 |
| 386 | 9528258,823 | 357070,593 | 184,476 | M2 |
| 387 | 9528243,929 | 357057,448 | 183,296 | M3 |
| 388 | 9528229,004 | 357044,162 | 182,706 | M4 |
| 389 | 9529722,294 | 353722,914 | 186,815 | PC |
| 390 | 9529715,028 | 353741,694 | 185,653 | PC |
| 391 | 9529709,034 | 353758,739 | 187,742 | PC |
| 392 | 9529740,305 | 353730,450 | 187,639 | PC |
| 393 | 9529725,754 | 353764,277 | 191,270 | PC |
| 394 | 9529732,933 | 353748,662 | 186,508 | PC |
| 395 | 9529801,128 | 353796,952 | 196,216 | PC |
| 396 | 9529808,230 | 353778,447 | 195,714 | PC |
| 397 | 9529814,316 | 353760,989 | 195,325 | PC |
| 398 | 9529825,270 | 353726,558 | 195,481 | PC |
| 399 | 9529830,122 | 353709,171 | 195,165 | PC |
| 400 | 9529834,188 | 353693,090 | 195,197 | PC |
| 401 | 9529861,069 | 353702,148 | 191,627 | PC |
| 402 | 9529853,825 | 353719,138 | 192,323 | PC |
| 403 | 9529846,154 | 353736,810 | 192,628 | PC |
| 404 | 9529831,754 | 353770,365 | 194,611 | PC |
| 405 | 9529824,659 | 353787,281 | 195,998 | PC |
| 406 | 9529818,824 | 353805,081 | 197,541 | PC |
| 407 | 9529838,446 | 353814,457 | 196,627 | PC |
| 408 | 9529845,140 | 353796,031 | 196,130 | PC |
| 409 | 9529851,266 | 353778,660 | 192,450 | PC |
| 410 | 9529864,230 | 353744,114 | 191,097 | PC |
| 411 | 9529869,794 | 353727,644 | 191,023 | PC |
| 412 | 9529876,352 | 353710,069 | 190,338 | PC |
| 413 | 9529896,451 | 353719,850 | 187,532 | PC |
| 414 | 9529889,600 | 353736,071 | 189,546 | PC |
| 415 | 9529883,001 | 353752,373 | 189,959 | PC |
| 416 | 9529916,786 | 353724,643 | 185,687 | PC |
| 417 | 9529907,451 | 353745,487 | 186,419 | PC |
| 418 | 9529901,188 | 353760,946 | 188,079 | PC |
| 419 | 9529888,090 | 353793,761 | 191,448 | PC |
| 420 | 9529881,724 | 353809,902 | 192,690 | PC |
| 421 | 9529876,656 | 353824,991 | 193,160 | PC |
| 422 | 9529895,608 | 353834,043 | 190,754 | PC |
| 423 | 9520566,619 | 366084,856 | 200,989 | RN 1851 G |
| 424 | 9529590,652 | 354730,888 | 151,198 | J6 |
| 425 | 9529606,824 | 354737,223 | 152,969 | J7 |
| 426 | 9529623,005 | 354743,948 | 152,627 | J8 |
| 427 | 9518022,747 | 354383,811 | 181,515 | PC |
| 428 | 9518017,566 | 354392,472 | 181,188 | PC |
| 429 | 9518015,954 | 354402,373 | 180,464 | PC |
| 430 | 9518021,026 | 354411,170 | 179,926 | PC |
| 431 | 9518022,237 | 354421,746 | 179,330 | PC |
| 432 | 9518027,143 | 354430,625 | 178,201 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 433 | 9518032,876 | 354438,948 | 177,121 | PC |
| 434 | 9518037,766 | 354447,916 | 176,194 | PC |
| 435 | 9518045,708 | 354454,205 | 175,590 | PC |
| 436 | 9518054,915 | 354458,280 | 175,297 | PC |
| 437 | 9518072,794 | 354453,154 | 175,380 | PC |
| 438 | 9518080,113 | 354446,298 | 175,682 | PC |
| 439 | 9518089,841 | 354443,495 | 174,922 | PC |
| 440 | 9518099,810 | 354444,558 | 174,612 | PC |
| 441 | 9518093,523 | 354452,497 | 175,064 | PC |
| 442 | 9518086,808 | 354460,004 | 174,868 | PC |
| 443 | 9518084,994 | 354469,864 | 175,236 | PC |
| 444 | 9518086,636 | 354477,777 | 176,708 | PC |
| 445 | 9518077,149 | 354443,670 | 176,082 | PC |
| 446 | 9518069,321 | 354430,936 | 177,127 | PC |
| 447 | 9518064,379 | 354422,100 | 178,416 | PC |
| 448 | 9518060,196 | 354412,848 | 178,556 | PC |
| 449 | 9518057,403 | 354403,094 | 179,330 | PC |
| 450 | 9518052,486 | 354394,188 | 179,854 | PC |
| 451 | 9518047,784 | 354385,241 | 180,219 | PC |
| 452 | 9518044,758 | 354375,556 | 180,308 | PC |
| 453 | 9518035,625 | 354371,347 | 181,382 | PC |
| 454 | 9518064,715 | 354452,569 | 181,342 | PONTE |
| 455 | 9518057,885 | 354455,117 | 181,339 | PONTE |
| 456 | 9518079,791 | 354511,850 | 181,361 | PONTE |
| 457 | 9518086,596 | 354509,243 | 181,391 | PONTE |
| 458 | 9529185,519 | 355664,750 | 171,348 | J1-66 |
| 459 | 9529115,150 | 355596,913 | 173,610 | J1-67 |
| 460 | 9529340,525 | 355989,754 | 177,481 | J1-37 |
| 461 | 9529282,571 | 355914,864 | 175,271 | J1-38 |
| 462 | 9529223,166 | 355837,122 | 175,756 | J1-39 |
| 463 | 9529164,839 | 355762,858 | 172,078 | J1-40 |
| 464 | 9529098,040 | 355677,934 | 173,465 | J1-64 |
| 465 | 9529036,750 | 355604,260 | 171,527 | J1-65 |
| 466 | 9529266,629 | 356051,570 | 178,660 | J1-33 |
| 467 | 9529207,708 | 355970,963 | 178,656 | J1-34 |
| 468 | 9529142,364 | 355882,255 | 177,440 | J1-35 |
| 469 | 9529091,201 | 355810,515 | 174,968 | J1-36 |
| 470 | 9529027,724 | 355732,267 | 174,806 | J1-62 |
| 471 | 9528955,338 | 355648,455 | 172,574 | J1-63 |
| 472 | 9529187,455 | 356117,042 | 180,935 | J1-29 |
| 473 | 9529123,682 | 356038,569 | 181,096 | J1-30 |
| 474 | 9529061,147 | 355961,076 | 178,050 | J1-31 |
| 475 | 9528998,399 | 355875,695 | 177,298 | J1-32 |
| 476 | 9528939,545 | 355792,488 | 176,802 | J1-60 |
| 477 | 9528881,117 | 355709,719 | 171,714 | J1-61 |
| 478 | 9528796,947 | 355804,211 | 173,838 | J1-59 |
| 479 | 9528851,131 | 355867,486 | 177,086 | J1-58 |
| 480 | 9528924,465 | 355956,264 | 179,906 | J1-28 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 481 | 9528987,128 | 356029,987 | 178,346 | J1-27 |
| 482 | 9529047,690 | 356105,492 | 181,913 | J1-26 |
| 483 | 9529110,330 | 356182,563 | 183,175 | J1-25 |
| 484 | 9530100,154 | 353859,639 | 187,553 | PC |
| 485 | 9530118,268 | 353860,726 | 187,229 | PC |
| 486 | 9529538,732 | 354621,661 | 153,888 | J1 |
| 487 | 9529554,499 | 354628,261 | 154,151 | J2 |
| 488 | 9530117,436 | 353878,563 | 186,397 | PC |
| 489 | 9530098,371 | 353878,326 | 186,358 | PC |
| 490 | 9530116,777 | 353894,857 | 185,995 | PC |
| 491 | 9530097,963 | 353896,746 | 186,024 | PC |
| 492 | 9530059,505 | 353900,817 | 185,281 | PC |
| 493 | 9530042,855 | 353903,954 | 182,948 | PC |
| 494 | 9530027,239 | 353907,245 | 180,824 | PC |
| 495 | 9530023,815 | 353925,689 | 180,520 | PC |
| 496 | 9530040,390 | 353922,498 | 182,897 | PC |
| 497 | 9530058,715 | 353920,412 | 183,616 | PC |
| 498 | 9530095,179 | 353916,561 | 184,292 | PC |
| 499 | 9530113,201 | 353914,309 | 184,476 | PC |
| 500 | 9530132,682 | 353912,189 | 185,195 | PC |
| 501 | 9530137,571 | 353931,110 | 183,582 | PC |
| 502 | 9530117,902 | 353932,796 | 183,488 | PC |
| 503 | 9530098,283 | 353935,566 | 183,138 | PC |
| 504 | 9522026,867 | 366597,176 | 212,155 | EX |
| 505 | 9530058,927 | 353939,853 | 181,543 | PC |
| 506 | 9530038,520 | 353942,499 | 181,896 | PC |
| 507 | 9530019,105 | 353947,440 | 177,511 | PC |
| 508 | 9530022,692 | 353965,445 | 176,044 | PC |
| 509 | 9530043,386 | 353962,285 | 177,740 | PC |
| 510 | 9530060,219 | 353959,482 | 179,146 | PC |
| 511 | 9530060,246 | 354833,508 | 153,567 | E-80 |
| 512 | 9530060,692 | 354813,492 | 152,505 | E-79 |
| 513 | 9530061,016 | 354793,502 | 153,458 | E-78 |
| 514 | 9530061,460 | 354773,566 | 155,341 | E-77 |
| 515 | 9530062,057 | 354753,662 | 157,722 | E-76 |
| 516 | 9530062,046 | 354733,457 | 159,502 | E-75 |
| 517 | 9530062,372 | 354713,530 | 160,849 | E-70 |
| 518 | 9530001,741 | 354785,232 | 152,894 | PC |
| 519 | 9530021,195 | 354788,573 | 153,234 | PC |
| 520 | 9529032,177 | 356243,213 | 182,942 | J1-21 |
| 521 | 9528963,823 | 356162,798 | 181,336 | J1-22 |
| 522 | 9528904,962 | 356090,725 | 180,514 | J1-23 |
| 523 | 9528830,333 | 356153,036 | 183,230 | J1-19 |
| 524 | 9528749,692 | 356061,898 | 179,612 | J1-20 |
| 525 | 9528610,890 | 355919,344 | 167,098 | J1-55 |
| 526 | 9528665,024 | 356004,259 | 173,049 | J1-54 |
| 527 | 9528718,193 | 356091,487 | 178,217 | J1-16 |
| 528 | 9528779,085 | 356187,800 | 181,140 | J1-15 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 529 | 9528835,627 | 356279,063 | 183,852 | J1-14 |
| 530 | 9528897,774 | 356230,324 | 182,253 | J1-18 |
| 531 | 9528960,858 | 356304,737 | 185,175 | J1-17 |
| 532 | 9528889,360 | 356364,351 | 184,615 | J1-13 |
| 533 | 9528736,170 | 356515,328 | 180,555 | J1-05 |
| 534 | 9528662,562 | 356445,500 | 177,325 | M8 |
| 535 | 9528598,373 | 356384,306 | 177,966 | J1-07 |
| 536 | 9528539,001 | 356325,879 | 175,818 | J1-08 |
| 537 | 9528465,558 | 356254,768 | 174,005 | J1-47 |
| 538 | 9528394,633 | 356185,476 | 173,117 | F48 |
| 539 | 9528494,655 | 356484,823 | 172,493 | J1-03 |
| 540 | 9528581,435 | 356544,650 | 173,132 | J1-02 |
| 541 | 9529533,181 | 354532,520 | 153,561 | M1 |
| 542 | 9530080,944 | 354712,280 | 160,356 | PC |
| 543 | 9530102,072 | 354709,965 | 159,466 | PC |
| 544 | 9530119,130 | 354708,139 | 158,512 | PC |
| 545 | 9530120,810 | 354692,425 | 156,983 | PC |
| 546 | 9530100,771 | 354694,160 | 160,603 | PC |
| 547 | 9530082,339 | 354694,877 | 161,001 | PC |
| 548 | 9530045,441 | 354696,515 | 160,548 | PC |
| 549 | 9530023,186 | 354697,229 | 158,486 | PC |
| 550 | 9528733,593 | 356716,803 | 180,068 | J8 |
| 551 | 9528611,345 | 354862,716 | 163,224 | PT CON |
| 552 | 9530027,114 | 354674,721 | 159,344 | PC |
| 553 | 9530084,565 | 354676,050 | 162,629 | PC |
| 554 | 9530102,545 | 354677,536 | 160,178 | PC |
| 555 | 9530121,847 | 354678,916 | 158,396 | PC |
| 556 | 9530121,320 | 354661,711 | 162,075 | PC |
| 557 | 9530101,878 | 354659,800 | 161,225 | PC |
| 558 | 9530083,942 | 354658,093 | 164,320 | PC |
| 559 | 9530043,967 | 354654,104 | 163,036 | PC |
| 560 | 9530024,626 | 354652,185 | 161,106 | PC |
| 561 | 9530005,438 | 354649,838 | 159,756 | PC |
| 562 | 9530006,636 | 354635,641 | 160,336 | PC |
| 563 | 9530025,295 | 354635,727 | 162,007 | PC |
| 564 | 9530044,602 | 354635,755 | 164,725 | PC |
| 565 | 9530086,003 | 354636,453 | 166,325 | PC |
| 566 | 9529440,382 | 354450,073 | 151,103 | PC |
| 567 | 9530126,025 | 354636,705 | 161,489 | PC |
| 568 | 9530123,080 | 354620,364 | 161,808 | PC |
| 569 | 9530101,904 | 354619,076 | 166,201 | PC |
| 570 | 9530083,818 | 354617,459 | 167,982 | PC |
| 571 | 9530047,479 | 354614,502 | 165,108 | PC |
| 572 | 9530029,965 | 354612,999 | 163,440 | PC |
| 573 | 9530012,251 | 354611,291 | 161,632 | PC |
| 574 | 9530009,431 | 354586,573 | 162,186 | PC |
| 575 | 9530028,744 | 354589,398 | 163,110 | PC |
| 576 | 9530046,865 | 354592,583 | 165,583 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 577 | 9530084,400 | 354599,409 | 167,618 | PC |
| 578 | 9530102,318 | 354602,769 | 164,188 | PC |
| 579 | 9530121,198 | 354605,977 | 162,615 | PC |
| 580 | 9530121,355 | 354578,607 | 161,444 | PC |
| 581 | 9530097,486 | 354577,427 | 162,919 | PC |
| 582 | 9530081,968 | 354576,588 | 163,943 | PC |
| 583 | 9530045,816 | 354575,259 | 165,647 | PC |
| 584 | 9530024,332 | 354574,380 | 163,084 | PC |
| 585 | 9530004,444 | 354573,606 | 162,344 | PC |
| 586 | 9530011,211 | 354561,532 | 162,842 | PC |
| 587 | 9530029,083 | 354559,853 | 163,844 | PC |
| 588 | 9530048,354 | 354557,976 | 166,138 | PC |
| 589 | 9530082,939 | 354554,554 | 167,654 | PC |
| 590 | 9530099,733 | 354552,385 | 164,333 | PC |
| 591 | 9530119,412 | 354550,848 | 163,634 | PC |
| 592 | 9530121,256 | 354537,791 | 162,047 | PC |
| 593 | 9530101,758 | 354538,073 | 166,305 | PC |
| 594 | 9530084,344 | 354536,794 | 168,357 | PC |
| 595 | 9529452,533 | 354411,823 | 155,133 | M8 |
| 596 | 9530029,375 | 354533,914 | 164,601 | PC |
| 597 | 9530008,295 | 354532,980 | 164,008 | PC |
| 598 | 9530011,781 | 354513,722 | 165,101 | PC |
| 599 | 9530030,774 | 354514,603 | 164,875 | PC |
| 600 | 9530049,455 | 354515,309 | 166,190 | PC |
| 601 | 9530085,448 | 354516,821 | 168,766 | PC |
| 602 | 9530103,573 | 354517,996 | 164,301 | PC |
| 603 | 9530125,141 | 354519,621 | 162,206 | PC |
| 604 | 9530127,189 | 354496,188 | 164,123 | PC |
| 605 | 9530107,230 | 354496,213 | 166,507 | PC |
| 606 | 9530087,282 | 354496,342 | 168,147 | PC |
| 607 | 9530048,142 | 354496,158 | 166,604 | PC |
| 608 | 9530029,948 | 354495,915 | 165,878 | PC |
| 609 | 9530010,375 | 354495,650 | 165,569 | PC |
| 610 | 9530013,935 | 354469,884 | 166,097 | PC |
| 611 | 9530031,292 | 354471,816 | 166,746 | PC |
| 612 | 9530050,112 | 354474,232 | 167,276 | PC |
| 613 | 9530084,723 | 354478,452 | 168,414 | PC |
| 614 | 9530101,178 | 354480,275 | 165,978 | PC |
| 615 | 9530126,624 | 354482,993 | 163,829 | PC |
| 616 | 9530124,423 | 354460,996 | 165,555 | PC |
| 617 | 9530105,834 | 354459,382 | 165,623 | PC |
| 618 | 9530086,529 | 354457,758 | 166,763 | PC |
| 619 | 9530048,201 | 354454,529 | 167,574 | PC |
| 620 | 9530031,114 | 354453,302 | 166,651 | PC |
| 621 | 9530010,645 | 354451,700 | 166,052 | PC |
| 622 | 9530008,225 | 354425,622 | 165,125 | PC |
| 623 | 9530030,493 | 354429,274 | 166,385 | PC |
| 624 | 9528665,004 | 356522,921 | 174,886 | M5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 625 | 9530087,736 | 354440,096 | 168,454 | PC |
| 626 | 9530104,271 | 354443,166 | 167,330 | PC |
| 627 | 9530126,472 | 354446,824 | 166,775 | PC |
| 628 | 9530125,270 | 354418,050 | 167,424 | PC |
| 629 | 9530108,178 | 354417,766 | 169,972 | PC |
| 630 | 9530090,686 | 354416,476 | 170,679 | PC |
| 631 | 9530050,498 | 354416,111 | 168,212 | PC |
| 632 | 9530032,347 | 354415,870 | 166,851 | PC |
| 633 | 9530013,156 | 354411,445 | 165,678 | PC |
| 634 | 9522013,623 | 366646,233 | 214,163 | EX |
| 635 | 9522000,197 | 366695,815 | 213,992 | EX |
| 636 | 9521986,840 | 366744,147 | 212,249 | EX |
| 637 | 9521973,354 | 366793,679 | 210,264 | EX |
| 638 | 9521959,825 | 366843,110 | 208,597 | EX |
| 639 | 9521946,536 | 366891,498 | 207,348 | EX |
| 640 | 9521933,033 | 366940,233 | 206,469 | EX |
| 641 | 9521906,193 | 367039,049 | 202,736 | EX |
| 642 | 9521892,707 | 367088,486 | 199,891 | EX |
| 643 | 9521879,225 | 367137,770 | 198,344 | EX |
| 644 | 9521865,906 | 367186,950 | 197,758 | EX |
| 645 | 9521852,741 | 367235,270 | 197,354 | EX |
| 646 | 9521839,571 | 367283,770 | 196,890 | EX |
| 647 | 9521826,029 | 367333,677 | 196,351 | EX |
| 648 | 9521812,694 | 367382,421 | 195,944 | EX |
| 649 | 9521798,676 | 367433,667 | 195,341 | EX |
| 650 | 9521785,399 | 367482,248 | 194,766 | EX |
| 651 | 9521771,688 | 367532,729 | 194,190 | EX |
| 652 | 9521758,365 | 367581,858 | 193,462 | EX |
| 653 | 9521744,534 | 367632,511 | 192,877 | EX |
| 654 | 9521688,392 | 367825,692 | 191,991 | PONTE |
| 655 | 9521695,352 | 367826,321 | 192,073 | PONTE |
| 656 | 9521684,094 | 367867,665 | 192,017 | PONTE |
| 657 | 9521676,986 | 367867,122 | 192,021 | PONTE |
| 658 | 9521680,530 | 367867,288 | 192,165 | EX |
| 659 | 9521693,365 | 367820,229 | 192,201 | EX |
| 660 | 9521659,573 | 367943,699 | 192,232 | EX |
| 661 | 9521646,516 | 367992,287 | 192,321 | EX |
| 662 | 9521632,481 | 368043,502 | 193,520 | EX |
| 663 | 9521619,180 | 368092,419 | 196,285 | EX |
| 664 | 9521605,940 | 368140,645 | 198,660 | EX |
| 665 | 9521592,591 | 368189,449 | 199,821 | EX |
| 666 | 9521579,105 | 368239,137 | 200,461 | EX |
| 667 | 9521565,444 | 368288,916 | 201,359 | EX |
| 668 | 9521552,095 | 368337,961 | 202,502 | EX |
| 669 | 9521538,728 | 368386,985 | 204,131 | EX |
| 670 | 9521525,552 | 368435,472 | 205,681 | EX |
| 671 | 9521511,653 | 368486,464 | 207,431 | EX |
| 672 | 9521498,334 | 368535,826 | 207,409 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 673 | 9521484,382 | 368586,642 | 204,969 | EX |
| 674 | 9521471,056 | 368636,003 | 202,357 | EX |
| 675 | 9521457,912 | 368684,350 | 201,442 | EX |
| 676 | 9521444,187 | 368734,451 | 201,409 | EX |
| 677 | 9521430,132 | 368786,020 | 201,464 | EX |
| 678 | 9521416,962 | 368834,531 | 201,419 | EX |
| 679 | 9521403,158 | 368885,137 | 201,523 | EX |
| 680 | 9521389,681 | 368934,780 | 201,972 | EX |
| 681 | 9521375,487 | 368985,760 | 202,610 | EX |
| 682 | 9521361,305 | 369034,218 | 203,826 | EX |
| 683 | 9521341,508 | 369081,031 | 205,685 | EX |
| 684 | 9521299,034 | 369107,939 | 207,332 | EX |
| 685 | 9521307,848 | 369157,253 | 207,408 | EX |
| 686 | 9521323,987 | 369109,202 | 207,271 | EX |
| 687 | 9521277,167 | 369089,198 | 207,348 | EX |
| 688 | 9521252,201 | 369044,997 | 207,828 | EX |
| 689 | 9521230,578 | 368998,088 | 208,390 | EX |
| 690 | 9521209,221 | 368951,797 | 208,822 | EX |
| 691 | 9521187,734 | 368905,088 | 208,747 | EX |
| 692 | 9521166,010 | 368857,553 | 208,303 | EX |
| 693 | 9521144,709 | 368810,680 | 207,699 | EX |
| 694 | 9521123,533 | 368764,528 | 207,226 | EX |
| 695 | 9521102,547 | 368718,636 | 206,685 | EX |
| 696 | 9521081,762 | 368672,882 | 206,179 | EX |
| 697 | 9521060,038 | 368625,137 | 205,636 | EX |
| 698 | 9521038,042 | 368577,050 | 204,628 | EX |
| 699 | 9521017,204 | 368531,485 | 202,935 | EX |
| 700 | 9520995,687 | 368484,209 | 200,598 | EX |
| 701 | 9520974,386 | 368437,690 | 198,475 | EX |
| 702 | 9520952,833 | 368390,167 | 197,958 | EX |
| 703 | 9520930,351 | 368340,623 | 198,213 | EX |
| 704 | 9520908,929 | 368293,928 | 198,731 | EX |
| 705 | 9520888,378 | 368245,461 | 199,435 | EX |
| 706 | 9520875,493 | 368195,557 | 199,298 | EX |
| 707 | 9520871,064 | 368143,367 | 197,817 | EX |
| 708 | 9520868,417 | 368091,653 | 195,722 | EX |
| 709 | 9520865,964 | 368038,019 | 193,540 | EX |
| 710 | 9520863,417 | 367988,005 | 192,198 | EX |
| 711 | 9520860,992 | 367937,968 | 191,593 | EX |
| 712 | 9520858,258 | 367883,917 | 191,064 | EX |
| 713 | 9520855,644 | 367832,667 | 191,079 | EX |
| 714 | 9520852,930 | 367779,687 | 192,027 | EX |
| 715 | 9520850,305 | 367727,563 | 194,157 | EX |
| 716 | 9520847,752 | 367677,199 | 196,835 | EX |
| 717 | 9520845,015 | 367625,292 | 199,597 | EX |
| 718 | 9520842,548 | 367574,825 | 201,833 | EX |
| 719 | 9520839,812 | 367520,830 | 203,167 | EX |
| 720 | 9520836,968 | 367470,393 | 203,617 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 721 | 9520831,051 | 367418,125 | 203,104 | EX |
| 722 | 9520821,543 | 367367,738 | 202,388 | EX |
| 723 | 9520811,537 | 367315,818 | 201,761 | EX |
| 724 | 9520801,584 | 367264,232 | 201,057 | EX |
| 725 | 9520791,984 | 367214,865 | 200,470 | EX |
| 726 | 9520782,400 | 367165,569 | 200,151 | EX |
| 727 | 9520772,857 | 367115,921 | 200,121 | EX |
| 728 | 9520762,865 | 367064,378 | 200,093 | EX |
| 729 | 9520753,270 | 367014,606 | 200,092 | EX |
| 730 | 9520743,414 | 366963,981 | 200,611 | EX |
| 731 | 9520733,746 | 366913,420 | 201,724 | EX |
| 732 | 9520724,395 | 366864,252 | 203,201 | EX |
| 733 | 9520714,819 | 366815,089 | 204,743 | EX |
| 734 | 9520705,385 | 366765,898 | 206,227 | EX |
| 735 | 9520695,571 | 366715,615 | 206,979 | EX |
| 736 | 9520685,295 | 366663,416 | 206,098 | EX |
| 737 | 9520675,662 | 366613,315 | 204,259 | EX |
| 738 | 9520665,927 | 366563,145 | 202,344 | EX |
| 739 | 9520656,123 | 366511,912 | 200,969 | EX |
| 740 | 9520646,539 | 366461,948 | 200,767 | EX |
| 741 | 9520637,018 | 366412,235 | 200,810 | EX |
| 742 | 9520627,277 | 366361,497 | 200,856 | EX |
| 743 | 9520616,989 | 366309,908 | 200,884 | EX |
| 744 | 9520607,324 | 366260,297 | 200,942 | EX |
| 745 | 9520597,383 | 366208,824 | 201,108 | EX |
| 746 | 9520587,937 | 366159,683 | 201,446 | EX |
| 747 | 9520578,308 | 366109,901 | 201,908 | EX |
| 748 | 9520568,723 | 366060,219 | 202,374 | EX |
| 749 | 9520558,517 | 366008,154 | 202,901 | EX |
| 750 | 9520548,945 | 365958,509 | 203,355 | EX |
| 751 | 9520539,279 | 365908,275 | 203,836 | EX |
| 752 | 9520529,701 | 365858,842 | 204,827 | EX |
| 753 | 9520520,091 | 365809,659 | 206,405 | EX |
| 754 | 9520510,345 | 365759,361 | 208,797 | EX |
| 755 | 9520500,834 | 365710,153 | 211,284 | EX |
| 756 | 9520491,093 | 365660,305 | 213,759 | EX |
| 757 | 9520481,485 | 365609,881 | 216,175 | EX |
| 758 | 9520471,463 | 365559,162 | 218,100 | EX |
| 759 | 9520461,559 | 365508,012 | 219,521 | EX |
| 760 | 9520451,907 | 365457,503 | 220,547 | EX |
| 761 | 9520442,187 | 365408,388 | 221,503 | EX |
| 762 | 9520432,187 | 365356,338 | 222,568 | EX |
| 763 | 9520422,186 | 365304,923 | 223,577 | EX |
| 764 | 9520412,385 | 365253,779 | 224,428 | EX |
| 765 | 9520402,874 | 365204,371 | 224,082 | EX |
| 766 | 9520393,089 | 365154,011 | 223,632 | EX |
| 767 | 9520383,344 | 365103,405 | 223,443 | EX |
| 768 | 9520373,845 | 365053,477 | 223,665 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 769 | 9520363,580 | 365001,028 | 224,273 | EX |
| 770 | 9520353,916 | 364951,104 | 224,003 | EX |
| 771 | 9520344,044 | 364900,979 | 222,300 | EX |
| 772 | 9520334,189 | 364850,383 | 220,441 | EX |
| 773 | 9520324,241 | 364799,352 | 218,630 | EX |
| 774 | 9520277,733 | 364561,146 | 216,843 | EX |
| 775 | 9520267,859 | 364510,542 | 218,171 | EX |
| 776 | 9520258,125 | 364460,388 | 219,065 | EX |
| 777 | 9520248,496 | 364411,291 | 218,942 | EX |
| 778 | 9520238,680 | 364360,818 | 218,092 | EX |
| 779 | 9520228,949 | 364311,178 | 217,249 | EX |
| 780 | 9520219,274 | 364261,594 | 216,552 | EX |
| 781 | 9520573,500 | 366085,582 | 202,138 | EX |
| 782 | 9528944,415 | 356461,738 | 182,923 | J8 |
| 783 | 9522285,572 | 365647,989 | 206,770 | EX |
| 784 | 9522298,912 | 365598,514 | 209,200 | EX |
| 785 | 9522312,269 | 365550,043 | 211,609 | EX |
| 786 | 9522326,355 | 365498,502 | 213,350 | EX |
| 787 | 9522339,533 | 365450,004 | 212,657 | EX |
| 788 | 9522352,718 | 365401,421 | 211,224 | EX |
| 789 | 9522366,955 | 365349,036 | 209,622 | EX |
| 790 | 9522380,965 | 365297,605 | 208,117 | EX |
| 791 | 9522395,263 | 365244,970 | 206,508 | EX |
| 792 | 9522408,418 | 365196,582 | 205,705 | EX |
| 793 | 9522421,676 | 365147,939 | 205,604 | EX |
| 794 | 9522435,522 | 365096,566 | 205,656 | EX |
| 795 | 9522449,205 | 365046,477 | 207,098 | EX |
| 796 | 9522462,523 | 364997,174 | 209,733 | EX |
| 797 | 9522475,871 | 364948,656 | 212,519 | EX |
| 798 | 9522489,182 | 364900,063 | 215,125 | EX |
| 799 | 9522503,189 | 364848,529 | 217,582 | EX |
| 800 | 9522516,764 | 364798,418 | 218,485 | EX |
| 801 | 9522530,205 | 364748,849 | 217,820 | EX |
| 802 | 9522543,826 | 364699,618 | 215,859 | EX |
| 803 | 9522557,691 | 364648,989 | 213,806 | EX |
| 804 | 9522571,807 | 364597,413 | 211,606 | EX |
| 805 | 9522585,436 | 364548,207 | 209,572 | EX |
| 806 | 9522598,672 | 364499,511 | 207,510 | EX |
| 807 | 9522612,400 | 364449,548 | 206,344 | EX |
| 808 | 9522625,672 | 364400,384 | 206,009 | EX |
| 809 | 9522652,894 | 364301,329 | 205,563 | EX |
| 810 | 9522666,248 | 364251,409 | 205,338 | EX |
| 811 | 9522679,481 | 364203,015 | 205,546 | EX |
| 812 | 9522693,137 | 364153,189 | 207,906 | EX |
| 813 | 9522706,432 | 364104,850 | 210,433 | EX |
| 814 | 9522720,062 | 364054,773 | 211,256 | EX |
| 815 | 9522734,220 | 364002,881 | 211,058 | EX |
| 816 | 9522747,761 | 363952,982 | 210,547 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 817 | 9522760,870 | 363904,585 | 210,215 | EX |
| 818 | 9522776,274 | 363856,650 | 210,395 | EX |
| 819 | 9522821,458 | 363761,679 | 211,697 | EX |
| 820 | 9522850,584 | 363717,444 | 211,658 | EX |
| 821 | 9523057,344 | 363421,695 | 211,305 | EX |
| 822 | 9523206,065 | 363209,294 | 213,180 | EX |
| 823 | 9523234,796 | 363168,206 | 213,392 | EX |
| 824 | 9523264,075 | 363126,689 | 213,457 | EX |
| 825 | 9523292,995 | 363084,854 | 213,673 | EX |
| 826 | 9523322,362 | 363043,025 | 214,513 | EX |
| 827 | 9523352,164 | 363000,444 | 215,684 | EX |
| 828 | 9523381,064 | 362959,006 | 216,831 | EX |
| 829 | 9523409,889 | 362918,061 | 217,888 | EX |
| 830 | 9523439,975 | 362874,813 | 219,020 | EX |
| 831 | 9523497,987 | 362791,422 | 218,382 | EX |
| 832 | 9523644,773 | 362581,599 | 213,771 | EX |
| 833 | 9523673,667 | 362540,308 | 212,762 | EX |
| 834 | 9523703,530 | 362497,790 | 210,903 | EX |
| 835 | 9523733,194 | 362455,563 | 209,130 | EX |
| 836 | 9523762,941 | 362413,184 | 208,436 | EX |
| 837 | 9523792,163 | 362371,627 | 208,423 | EX |
| 838 | 9523820,671 | 362330,424 | 208,976 | EX |
| 839 | 9523850,397 | 362287,883 | 210,840 | EX |
| 840 | 9523879,639 | 362246,075 | 213,036 | EX |
| 841 | 9523909,896 | 362203,250 | 214,980 | EX |
| 842 | 9523938,827 | 362161,810 | 216,774 | EX |
| 843 | 9523967,480 | 362119,805 | 218,472 | EX |
| 844 | 9523996,704 | 362076,544 | 220,189 | EX |
| 845 | 9524024,390 | 362033,053 | 221,165 | EX |
| 846 | 9524051,349 | 361989,957 | 221,387 | EX |
| 847 | 9524078,094 | 361946,327 | 220,731 | EX |
| 848 | 9524105,373 | 361902,037 | 219,389 | EX |
| 849 | 9524132,551 | 361858,296 | 217,787 | EX |
| 850 | 9524159,766 | 361814,108 | 216,309 | EX |
| 851 | 9524186,381 | 361770,751 | 214,826 | EX |
| 852 | 9524213,883 | 361726,026 | 214,347 | EX |
| 853 | 9524240,425 | 361682,073 | 215,224 | EX |
| 854 | 9524266,981 | 361637,139 | 216,123 | EX |
| 855 | 9524293,775 | 361590,639 | 217,126 | EX |
| 856 | 9524319,369 | 361544,914 | 217,954 | EX |
| 857 | 9524344,347 | 361500,412 | 218,501 | EX |
| 858 | 9524368,948 | 361456,326 | 218,781 | EX |
| 859 | 9524394,758 | 361410,655 | 219,124 | EX |
| 860 | 9524421,413 | 361366,296 | 219,416 | EX |
| 861 | 9524486,771 | 361283,392 | 219,631 | EX |
| 862 | 9524523,965 | 361246,718 | 219,657 | EX |
| 863 | 9524560,169 | 361211,924 | 219,672 | EX |
| 864 | 9524594,447 | 361175,287 | 219,585 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|-----------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 865 | 9524624,006 | 361134,143 | 219,215 | EX |
| 866 | 9524651,257 | 361089,373 | 218,486 | EX |
| 867 | 9524677,792 | 361045,479 | 217,680 | EX |
| 868 | 9524704,957 | 361000,635 | 217,014 | EX |
| 869 | 9524731,715 | 360956,614 | 216,638 | EX |
| 870 | 9524758,649 | 360912,294 | 216,508 | EX |
| 871 | 9524785,679 | 360867,463 | 216,363 | EX |
| 872 | 9524813,120 | 360823,415 | 216,212 | EX |
| 873 | 9524841,566 | 360779,683 | 215,608 | EX |
| 874 | 9524869,478 | 360737,827 | 214,346 | EX |
| 875 | 9524899,014 | 360693,459 | 212,355 | EX |
| 876 | 9524927,378 | 360652,061 | 210,568 | EX |
| 877 | 9524956,847 | 360610,035 | 208,914 | EX |
| 878 | 9524986,379 | 360569,096 | 207,742 | EX |
| 879 | 9525017,023 | 360526,942 | 206,495 | EX |
| 880 | 9525047,009 | 360485,654 | 205,498 | EX |
| 881 | 9525077,236 | 360444,091 | 204,764 | EX |
| 882 | 9525107,251 | 360402,762 | 204,394 | EX |
| 883 | 9525137,110 | 360361,790 | 204,329 | EX |
| 884 | 9525166,501 | 360321,320 | 203,845 | EX |
| 885 | 9525196,504 | 360279,994 | 202,688 | EX |
| 886 | 9525226,419 | 360238,996 | 201,267 | EX |
| 887 | 9525257,068 | 360196,909 | 200,026 | EX |
| 888 | 9525427,323 | 359962,961 | 200,198 | EX |
| 889 | 9525457,455 | 359921,589 | 200,855 | EX |
| 890 | 9525488,050 | 359879,537 | 201,249 | EX |
| 891 | 9525518,282 | 359838,209 | 201,484 | EX |
| 892 | 9525548,498 | 359797,489 | 201,169 | EX |
| 893 | 9525579,223 | 359756,187 | 200,158 | EX |
| 894 | 9525610,110 | 359715,015 | 198,841 | EX |
| 895 | 9525641,224 | 359673,560 | 197,724 | EX |
| 896 | 9525672,255 | 359632,311 | 196,995 | EX |
| 897 | 9525703,097 | 359591,432 | 196,354 | EX |
| 898 | 9525733,667 | 359550,780 | 195,395 | EX |
| 899 | 9525765,140 | 359508,869 | 193,629 | EX |
| 900 | 9525796,449 | 359467,409 | 191,797 | EX |
| 901 | 9525827,009 | 359426,258 | 190,981 | EX |
| 902 | 9525872,880 | 359303,529 | 191,463 | EX |
| 903 | 9525879,862 | 359253,128 | 190,695 | EX |
| 904 | 9525887,005 | 359202,355 | 188,576 | EX |
| 905 | 9525894,448 | 359152,121 | 187,275 | EX |
| 906 | 9525905,177 | 359101,159 | 187,207 | EX |
| 907 | 9525921,729 | 359053,446 | 187,312 | EX |
| 908 | 9525944,124 | 359007,271 | 187,864 | EX |
| 909 | 9525971,269 | 358965,125 | 188,799 | EX |
| 910 | 9526002,844 | 358926,159 | 189,738 | EX |
| 911 | 9526037,641 | 358887,525 | 190,359 | EX |
| 912 | 9526071,698 | 358849,389 | 189,764 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|----------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 913 | 9526105,939 | 358811,247 | 188,360 | EX |
| 914 | 9526139,550 | 358773,537 | 187,638 | EX |
| 915 | 9526173,234 | 358736,016 | 188,128 | EX |
| 916 | 9526206,942 | 358698,581 | 188,792 | EX |
| 917 | 9526242,467 | 358658,667 | 188,283 | EX |
| 918 | 9526276,624 | 358620,426 | 186,507 | EX |
| 919 | 9526312,886 | 358580,198 | 184,232 | EX |
| 920 | 9526878,792 | 357948,257 | 178,483 | EX |
| 921 | 9526892,955 | 357932,437 | 178,877 | EX |
| 922 | 9526905,869 | 357918,087 | 179,116 | EX |
| 923 | 9526916,128 | 357906,504 | 179,150 | EX |
| 924 | 9530406,099 | 355174,978 | 156,866 | PONTE |
| 925 | 9530487,211 | 355076,290 | 156,928 | PONTE |
| 926 | 9530481,771 | 355071,753 | 156,948 | PONTE |
| 927 | 9530479,286 | 355074,868 | 156,976 | PONTE |
| 928 | 9530484,721 | 355079,353 | 156,983 | PONTE |
| 929 | 9530403,112 | 355167,509 | 156,936 | PONTE |
| 930 | 9530400,572 | 355170,432 | 156,817 | PONTE |
| 931 | 9530408,561 | 355171,904 | 156,961 | PONTE |
| 932 | 9528313,282 | 357219,476 | 187,914 | MARCO DE APOIO |
| 933 | 9529069,608 | 356331,857 | 181,930 | J8 |
| 934 | 9528286,773 | 357068,978 | 185,306 | M1 |
| 935 | 9528271,860 | 357055,826 | 183,884 | M2 |
| 936 | 9528256,888 | 357042,540 | 182,724 | M3 |
| 937 | 9528241,966 | 357029,257 | 182,015 | M4 |
| 938 | 9528226,986 | 357015,916 | 181,280 | M5 |
| 939 | 9528212,081 | 357002,668 | 180,984 | M6 |
| 940 | 9528197,112 | 356989,501 | 179,998 | M7 |
| 941 | 9528182,267 | 356976,198 | 179,089 | M8 |
| 942 | 9528194,882 | 356961,021 | 178,870 | M8 |
| 943 | 9528210,261 | 356974,456 | 179,643 | M7 |
| 944 | 9528225,289 | 356987,598 | 180,318 | M6 |
| 945 | 9528240,355 | 357000,784 | 180,676 | M5 |
| 946 | 9528255,286 | 357014,182 | 181,743 | M4 |
| 947 | 9528270,258 | 357027,306 | 183,005 | M3 |
| 948 | 9528285,095 | 357040,783 | 184,009 | M2 |
| 949 | 9528299,983 | 357053,976 | 185,356 | M1 |
| 950 | 9528329,927 | 357080,594 | 186,708 | J1 |
| 951 | 9528344,889 | 357093,822 | 186,942 | J2 |
| 952 | 9528359,813 | 357107,121 | 186,636 | J3 |
| 953 | 9528374,766 | 357120,443 | 186,487 | J4 |
| 954 | 9528389,772 | 357133,577 | 186,255 | J5 |
| 955 | 9528404,790 | 357146,849 | 185,870 | J6 |
| 956 | 9528417,827 | 357132,403 | 185,708 | J6 |
| 957 | 9528402,967 | 357118,996 | 186,057 | J5 |
| 958 | 9528387,920 | 357105,681 | 186,327 | J4 |
| 959 | 9528373,054 | 357092,303 | 186,547 | J3 |
| 960 | 9528358,143 | 357078,954 | 186,864 | J2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 961 | 9528343,178 | 357065,622 | 186,342 | J1 |
| 962 | 9528313,231 | 357039,052 | 184,838 | M1 |
| 963 | 9528298,218 | 357025,782 | 184,121 | M2 |
| 964 | 9528283,323 | 357012,387 | 183,098 | M3 |
| 965 | 9528268,354 | 356999,056 | 182,191 | M4 |
| 966 | 9528253,506 | 356985,785 | 181,183 | M5 |
| 967 | 9528238,481 | 356972,374 | 179,975 | M6 |
| 968 | 9528223,475 | 356958,947 | 179,466 | M7 |
| 969 | 9528208,226 | 356945,744 | 178,784 | M8 |
| 970 | 9528221,774 | 356931,057 | 178,733 | M8 |
| 971 | 9528236,472 | 356944,506 | 179,318 | M7 |
| 972 | 9528251,436 | 356958,019 | 180,120 | M6 |
| 973 | 9528266,716 | 356970,965 | 181,466 | M5 |
| 974 | 9528281,906 | 356984,060 | 182,765 | M4 |
| 975 | 9528296,789 | 356997,391 | 183,533 | M3 |
| 976 | 9528311,705 | 357010,726 | 184,035 | M2 |
| 977 | 9528326,607 | 357024,064 | 184,723 | M1 |
| 978 | 9528356,394 | 357050,528 | 186,170 | J1 |
| 979 | 9528371,382 | 357063,934 | 186,041 | J2 |
| 980 | 9528386,312 | 357077,297 | 186,208 | J3 |
| 981 | 9528401,335 | 357090,380 | 186,017 | J4 |
| 982 | 9528416,500 | 357103,570 | 185,715 | J5 |
| 983 | 9528431,637 | 357116,764 | 185,577 | J6 |
| 984 | 9528444,908 | 357101,719 | 185,258 | J6 |
| 985 | 9528429,774 | 357088,599 | 185,603 | J5 |
| 986 | 9528414,771 | 357075,420 | 185,522 | J4 |
| 987 | 9528399,736 | 357062,162 | 185,468 | J3 |
| 988 | 9528384,651 | 357048,944 | 185,413 | J2 |
| 989 | 9528369,716 | 357035,708 | 185,305 | J1 |
| 990 | 9528339,830 | 357009,148 | 184,461 | M1 |
| 991 | 9528325,064 | 356995,662 | 183,870 | M2 |
| 992 | 9528309,966 | 356982,527 | 183,349 | M3 |
| 993 | 9528295,236 | 356969,044 | 182,656 | M4 |
| 994 | 9528280,171 | 356955,570 | 181,807 | M5 |
| 995 | 9528265,069 | 356942,466 | 180,673 | M6 |
| 996 | 9528250,336 | 356928,852 | 179,504 | M7 |
| 997 | 9528235,160 | 356915,714 | 179,097 | M8 |
| 998 | 9528248,482 | 356900,951 | 179,502 | M8 |
| 999 | 9528263,234 | 356914,547 | 179,746 | M7 |
| 1000 | 9528278,209 | 356927,834 | 180,789 | M6 |
| 1001 | 9528293,260 | 356941,040 | 181,576 | M5 |
| 1002 | 9528308,101 | 356954,367 | 182,562 | M4 |
| 1003 | 9528323,152 | 356967,629 | 183,246 | M3 |
| 1004 | 9528338,165 | 356980,919 | 183,770 | M2 |
| 1005 | 9528353,035 | 356994,236 | 184,348 | M1 |
| 1006 | 9528382,980 | 357020,671 | 185,119 | J1 |
| 1007 | 9528398,058 | 357033,982 | 185,222 | J2 |
| 1008 | 9528412,959 | 357047,347 | 185,192 | J3 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1009 | 9528427,888 | 357060,532 | 185,224 | J4 |
| 1010 | 9528442,767 | 357074,012 | 185,178 | J5 |
| 1011 | 9528457,738 | 357087,354 | 184,706 | J6 |
| 1012 | 9528471,505 | 357071,966 | 184,339 | J6 |
| 1013 | 9528456,489 | 357058,845 | 184,815 | J5 |
| 1014 | 9528441,252 | 357045,786 | 185,059 | J4 |
| 1015 | 9528426,256 | 357032,572 | 184,948 | J3 |
| 1016 | 9528411,239 | 357019,157 | 184,921 | J2 |
| 1017 | 9528396,444 | 357005,977 | 184,848 | J1 |
| 1018 | 9528366,451 | 356979,397 | 184,302 | M1 |
| 1019 | 9528351,382 | 356965,961 | 183,706 | M2 |
| 1020 | 9528336,509 | 356952,595 | 183,104 | M3 |
| 1021 | 9528321,509 | 356939,360 | 182,418 | M4 |
| 1022 | 9528306,181 | 356926,644 | 181,553 | M5 |
| 1023 | 9528290,903 | 356913,831 | 180,742 | M6 |
| 1024 | 9528275,720 | 356900,714 | 180,159 | M7 |
| 1025 | 9528260,476 | 356887,517 | 179,655 | M8 |
| 1026 | 9528274,604 | 356871,607 | 180,219 | M8 |
| 1027 | 9528289,655 | 356884,855 | 180,670 | M7 |
| 1028 | 9528304,766 | 356898,189 | 181,295 | M6 |
| 1029 | 9528319,698 | 356911,493 | 181,736 | M5 |
| 1030 | 9528334,665 | 356924,661 | 182,338 | M4 |
| 1031 | 9528349,749 | 356937,866 | 183,095 | M3 |
| 1032 | 9528364,745 | 356951,117 | 183,631 | M2 |
| 1033 | 9528379,770 | 356964,380 | 184,092 | M1 |
| 1034 | 9528409,687 | 356990,977 | 184,563 | J1 |
| 1035 | 9528424,607 | 357004,351 | 184,600 | J2 |
| 1036 | 9528439,573 | 357017,662 | 184,509 | J3 |
| 1037 | 9528454,539 | 357031,037 | 184,591 | J4 |
| 1038 | 9528469,515 | 357044,335 | 184,496 | J5 |
| 1039 | 9528484,782 | 357057,273 | 185,238 | J6 |
| 1040 | 9528512,770 | 357055,691 | 183,057 | J7 |
| 1041 | 9528497,784 | 357042,311 | 183,751 | J6 |
| 1042 | 9528482,768 | 357029,026 | 183,873 | J5 |
| 1043 | 9528467,859 | 357015,818 | 184,126 | J4 |
| 1044 | 9528452,758 | 357002,482 | 184,202 | J3 |
| 1045 | 9528437,807 | 356989,206 | 184,119 | J2 |
| 1046 | 9528422,865 | 356975,915 | 184,062 | J1 |
| 1047 | 9528393,186 | 356949,478 | 183,849 | M1 |
| 1048 | 9528378,240 | 356936,140 | 183,600 | M2 |
| 1049 | 9528363,138 | 356922,870 | 183,155 | M3 |
| 1050 | 9528348,101 | 356909,655 | 182,560 | M4 |
| 1051 | 9528332,894 | 356896,559 | 181,911 | M5 |
| 1052 | 9528317,938 | 356883,221 | 181,530 | M6 |
| 1053 | 9528302,776 | 356870,088 | 181,227 | M7 |
| 1054 | 9528287,764 | 356857,099 | 180,791 | M8 |
| 1055 | 9528301,334 | 356841,188 | 181,609 | M8 |
| 1056 | 9528316,507 | 356854,725 | 181,866 | M7 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1057 | 9528331,520 | 356868,003 | 182,145 | M6 |
| 1058 | 9528346,489 | 356881,234 | 182,575 | M5 |
| 1059 | 9528361,455 | 356894,491 | 183,077 | M4 |
| 1060 | 9528376,317 | 356907,675 | 183,658 | M3 |
| 1061 | 9528391,399 | 356921,011 | 183,852 | M2 |
| 1062 | 9528406,306 | 356934,436 | 183,728 | M1 |
| 1063 | 9528436,245 | 356961,050 | 183,653 | J1 |
| 1064 | 9528451,215 | 356974,423 | 183,769 | J2 |
| 1065 | 9528466,231 | 356987,851 | 183,773 | J3 |
| 1066 | 9528481,188 | 357001,039 | 183,571 | J4 |
| 1067 | 9528496,243 | 357014,385 | 183,275 | J5 |
| 1068 | 9528511,281 | 357027,789 | 182,994 | J6 |
| 1069 | 9528526,391 | 357041,022 | 182,779 | J7 |
| 1070 | 9528539,603 | 357026,372 | 182,488 | J7 |
| 1071 | 9528524,563 | 357013,104 | 182,620 | J6 |
| 1072 | 9528509,534 | 356999,762 | 182,728 | J5 |
| 1073 | 9528494,535 | 356986,441 | 182,863 | J4 |
| 1074 | 9528479,623 | 356973,169 | 183,100 | J3 |
| 1075 | 9528464,584 | 356959,741 | 183,298 | J2 |
| 1076 | 9528449,523 | 356946,178 | 183,357 | J1 |
| 1077 | 9528419,655 | 356919,505 | 183,482 | M1 |
| 1078 | 9528404,721 | 356906,337 | 183,917 | M2 |
| 1079 | 9528389,666 | 356893,218 | 184,061 | M3 |
| 1080 | 9528374,660 | 356880,010 | 184,147 | M4 |
| 1081 | 9528359,579 | 356866,768 | 183,399 | M5 |
| 1082 | 9528344,572 | 356853,643 | 182,712 | M6 |
| 1083 | 9528329,406 | 356840,446 | 182,422 | M7 |
| 1084 | 9528314,496 | 356826,626 | 182,053 | M8 |
| 1085 | 9528343,474 | 356824,634 | 183,008 | M7 |
| 1086 | 9528358,531 | 356837,921 | 183,469 | M6 |
| 1087 | 9528373,398 | 356851,175 | 184,091 | M5 |
| 1088 | 9528388,318 | 356864,564 | 184,634 | M4 |
| 1089 | 9528403,175 | 356878,050 | 184,411 | M3 |
| 1090 | 9528417,955 | 356891,393 | 183,788 | M2 |
| 1091 | 9528432,931 | 356904,616 | 183,386 | M1 |
| 1092 | 9528462,773 | 356931,147 | 182,794 | J1 |
| 1093 | 9528477,810 | 356944,454 | 182,648 | J2 |
| 1094 | 9528492,891 | 356957,753 | 182,474 | J3 |
| 1095 | 9528507,889 | 356970,925 | 182,400 | J4 |
| 1096 | 9528522,863 | 356984,064 | 182,254 | J5 |
| 1097 | 9528537,963 | 356997,292 | 182,067 | J6 |
| 1098 | 9528552,930 | 357010,365 | 181,601 | J7 |
| 1099 | 9528565,566 | 356996,170 | 181,379 | J7 |
| 1100 | 9528550,736 | 356982,856 | 181,728 | J6 |
| 1101 | 9528535,776 | 356969,593 | 181,926 | J5 |
| 1102 | 9528520,888 | 356956,137 | 182,059 | J4 |
| 1103 | 9528505,902 | 356942,870 | 182,153 | J3 |
| 1104 | 9528490,938 | 356929,518 | 182,361 | J2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1105 | 9528476,289 | 356916,293 | 182,525 | J1 |
| 1106 | 9528446,446 | 356889,602 | 183,159 | M1 |
| 1107 | 9528431,602 | 356876,423 | 183,757 | M2 |
| 1108 | 9528416,687 | 356863,225 | 184,192 | M3 |
| 1109 | 9528401,684 | 356850,111 | 184,577 | M4 |
| 1110 | 9528386,508 | 356836,704 | 184,377 | M5 |
| 1111 | 9528371,578 | 356823,442 | 184,199 | M6 |
| 1112 | 9528356,168 | 356810,717 | 183,856 | M7 |
| 1113 | 9528341,044 | 356797,902 | 183,231 | M8 |
| 1114 | 9528355,103 | 356781,165 | 184,124 | M8 |
| 1115 | 9528369,767 | 356794,826 | 184,652 | M7 |
| 1116 | 9528384,724 | 356808,070 | 184,840 | M6 |
| 1117 | 9528399,463 | 356821,716 | 184,802 | M5 |
| 1118 | 9528414,343 | 356834,974 | 184,359 | M4 |
| 1119 | 9528429,445 | 356848,245 | 183,978 | M3 |
| 1120 | 9528444,442 | 356861,459 | 183,470 | M2 |
| 1121 | 9528459,537 | 356874,699 | 182,992 | M1 |
| 1122 | 9528489,365 | 356901,261 | 182,297 | J1 |
| 1123 | 9528504,261 | 356914,420 | 182,186 | J2 |
| 1124 | 9528519,282 | 356927,824 | 181,972 | J3 |
| 1125 | 9528534,206 | 356941,008 | 181,666 | J4 |
| 1126 | 9528549,212 | 356954,361 | 181,521 | J5 |
| 1127 | 9528563,957 | 356967,761 | 181,333 | J6 |
| 1128 | 9528578,853 | 356981,087 | 180,819 | J7 |
| 1129 | 9528591,920 | 356966,510 | 179,470 | J7 |
| 1130 | 9528577,082 | 356952,842 | 180,781 | J6 |
| 1131 | 9528562,173 | 356939,577 | 181,025 | J5 |
| 1132 | 9528547,285 | 356926,213 | 181,761 | J4 |
| 1133 | 9528532,382 | 356912,942 | 181,693 | J3 |
| 1134 | 9528517,641 | 356899,587 | 181,956 | J2 |
| 1135 | 9528502,792 | 356886,326 | 182,078 | J1 |
| 1136 | 9528472,814 | 356859,674 | 182,933 | M1 |
| 1137 | 9528458,133 | 356846,483 | 183,548 | M2 |
| 1138 | 9528442,911 | 356833,167 | 183,924 | M3 |
| 1139 | 9528427,979 | 356819,850 | 184,505 | M4 |
| 1140 | 9528413,060 | 356806,309 | 185,244 | M5 |
| 1141 | 9528398,123 | 356792,724 | 185,449 | M6 |
| 1142 | 9528382,924 | 356779,500 | 185,520 | M7 |
| 1143 | 9528370,480 | 356767,872 | 184,549 | M8 |
| 1144 | 9528395,814 | 356765,191 | 185,503 | M7 |
| 1145 | 9528410,945 | 356778,489 | 185,725 | M6 |
| 1146 | 9528425,957 | 356791,639 | 185,239 | M5 |
| 1147 | 9528441,052 | 356804,767 | 184,512 | M4 |
| 1148 | 9528456,086 | 356818,294 | 183,824 | M3 |
| 1149 | 9528471,095 | 356831,520 | 183,431 | M2 |
| 1150 | 9528485,974 | 356844,680 | 182,883 | M1 |
| 1151 | 9528516,115 | 356871,442 | 181,468 | J1 |
| 1152 | 9528531,026 | 356884,802 | 181,431 | J2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1153 | 9528546,016 | 356898,042 | 181,194 | J3 |
| 1154 | 9528560,994 | 356911,434 | 181,049 | J4 |
| 1155 | 9528576,047 | 356924,617 | 179,987 | J5 |
| 1156 | 9528590,906 | 356937,961 | 180,065 | J6 |
| 1157 | 9528606,048 | 356951,040 | 179,918 | J7 |
| 1158 | 9528621,108 | 356964,365 | 180,351 | J8 |
| 1159 | 9528634,683 | 356948,235 | 180,698 | J8 |
| 1160 | 9528619,759 | 356934,972 | 180,068 | J7 |
| 1161 | 9528604,802 | 356921,733 | 179,001 | J6 |
| 1162 | 9528589,738 | 356908,545 | 179,020 | J5 |
| 1163 | 9528574,683 | 356895,260 | 180,655 | J4 |
| 1164 | 9528559,749 | 356882,074 | 180,641 | J3 |
| 1165 | 9528544,996 | 356868,909 | 180,640 | J2 |
| 1166 | 9528529,811 | 356855,552 | 180,459 | J1 |
| 1167 | 9528499,921 | 356829,122 | 182,615 | M1 |
| 1168 | 9528485,096 | 356815,771 | 183,266 | M2 |
| 1169 | 9528470,164 | 356802,676 | 183,866 | M3 |
| 1170 | 9528455,167 | 356789,378 | 184,773 | M4 |
| 1171 | 9528440,298 | 356776,351 | 185,501 | M5 |
| 1172 | 9528425,575 | 356763,005 | 186,149 | M6 |
| 1173 | 9528410,008 | 356750,794 | 185,995 | M7 |
| 1174 | 9528394,641 | 356737,299 | 185,074 | M8 |
| 1175 | 9528422,557 | 356735,640 | 186,595 | M7 |
| 1176 | 9528437,607 | 356748,702 | 186,477 | M6 |
| 1177 | 9528452,708 | 356761,806 | 185,931 | M5 |
| 1178 | 9528467,588 | 356774,880 | 185,081 | M4 |
| 1179 | 9528482,486 | 356788,169 | 184,160 | M3 |
| 1180 | 9528497,458 | 356801,394 | 183,400 | M2 |
| 1181 | 9528512,525 | 356814,848 | 182,540 | M1 |
| 1182 | 9528542,479 | 356841,366 | 181,253 | J1 |
| 1183 | 9528557,308 | 356854,380 | 180,571 | J2 |
| 1184 | 9528572,370 | 356867,665 | 179,978 | J3 |
| 1185 | 9528587,284 | 356880,855 | 179,712 | J4 |
| 1186 | 9528602,359 | 356894,003 | 179,486 | J5 |
| 1187 | 9528617,470 | 356906,909 | 179,807 | J6 |
| 1188 | 9528632,508 | 356920,095 | 180,138 | J7 |
| 1189 | 9528647,466 | 356933,092 | 180,973 | J8 |
| 1190 | 9528660,337 | 356918,696 | 181,182 | J8 |
| 1191 | 9528645,259 | 356905,568 | 180,401 | J7 |
| 1192 | 9528630,432 | 356892,447 | 179,521 | J6 |
| 1193 | 9528615,546 | 356879,197 | 179,354 | J5 |
| 1194 | 9528600,451 | 356865,976 | 178,158 | J4 |
| 1195 | 9528585,663 | 356852,790 | 179,569 | J3 |
| 1196 | 9528570,631 | 356839,619 | 180,456 | J2 |
| 1197 | 9528555,776 | 356826,380 | 181,034 | J1 |
| 1198 | 9528525,776 | 356800,047 | 182,348 | M1 |
| 1199 | 9528511,041 | 356787,028 | 183,315 | M2 |
| 1200 | 9528495,952 | 356773,886 | 184,223 | M3 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1201 | 9528481,053 | 356760,722 | 184,853 | M4 |
| 1202 | 9528466,144 | 356747,603 | 186,001 | M5 |
| 1203 | 9528451,317 | 356734,907 | 186,541 | M6 |
| 1204 | 9528436,085 | 356721,698 | 186,339 | M7 |
| 1205 | 9528460,297 | 356722,480 | 185,619 | M6 |
| 1206 | 9528477,285 | 356733,859 | 185,852 | M5 |
| 1207 | 9528493,304 | 356746,109 | 184,593 | M4 |
| 1208 | 9528509,047 | 356758,160 | 184,688 | M3 |
| 1209 | 9528524,171 | 356771,524 | 182,991 | M2 |
| 1210 | 9528539,030 | 356784,957 | 182,163 | M1 |
| 1211 | 9528569,103 | 356811,426 | 181,039 | J1 |
| 1212 | 9528583,953 | 356824,728 | 180,278 | J2 |
| 1213 | 9528598,904 | 356837,997 | 179,445 | J3 |
| 1214 | 9528613,769 | 356851,128 | 178,711 | J4 |
| 1215 | 9528628,798 | 356864,278 | 179,523 | J5 |
| 1216 | 9528643,945 | 356877,364 | 179,815 | J6 |
| 1217 | 9528659,058 | 356890,266 | 180,615 | J7 |
| 1218 | 9528674,489 | 356903,099 | 181,350 | J8 |
| 1219 | 9528687,018 | 356889,120 | 181,421 | J8 |
| 1220 | 9528672,005 | 356875,933 | 180,618 | J7 |
| 1221 | 9528657,010 | 356862,695 | 180,087 | J6 |
| 1222 | 9528641,836 | 356849,542 | 179,488 | J5 |
| 1223 | 9528626,994 | 356836,260 | 178,397 | J4 |
| 1224 | 9528612,148 | 356822,971 | 179,655 | J3 |
| 1225 | 9528597,243 | 356809,855 | 180,321 | J2 |
| 1226 | 9528582,292 | 356796,554 | 180,971 | J1 |
| 1227 | 9528552,383 | 356769,963 | 182,340 | M1 |
| 1228 | 9528537,336 | 356756,646 | 182,778 | M2 |
| 1229 | 9528522,431 | 356743,404 | 183,512 | M3 |
| 1230 | 9528507,498 | 356730,195 | 183,774 | M4 |
| 1231 | 9528492,533 | 356716,988 | 183,393 | M5 |
| 1232 | 9528477,599 | 356703,653 | 183,138 | M6 |
| 1233 | 9528462,824 | 356690,784 | 182,642 | M7 |
| 1234 | 9528475,277 | 356675,715 | 180,837 | M7 |
| 1235 | 9528490,385 | 356689,032 | 181,328 | M6 |
| 1236 | 9528505,518 | 356702,066 | 181,974 | M5 |
| 1237 | 9528520,682 | 356715,236 | 183,168 | M4 |
| 1238 | 9528535,687 | 356728,479 | 182,931 | M3 |
| 1239 | 9528550,709 | 356741,682 | 182,624 | M2 |
| 1240 | 9528565,732 | 356754,929 | 182,031 | M1 |
| 1241 | 9528595,586 | 356781,500 | 180,944 | J1 |
| 1242 | 9528610,679 | 356794,841 | 180,368 | J2 |
| 1243 | 9528625,572 | 356808,079 | 179,744 | J3 |
| 1244 | 9528640,765 | 356821,567 | 178,720 | J4 |
| 1245 | 9528655,532 | 356834,971 | 178,511 | J5 |
| 1246 | 9528670,339 | 356848,201 | 178,604 | J6 |
| 1247 | 9528685,194 | 356861,512 | 180,214 | J7 |
| 1248 | 9528699,996 | 356874,878 | 180,847 | J8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1249 | 9528709,270 | 356863,476 | 179,836 | J8 |
| 1250 | 9528695,929 | 356848,764 | 178,038 | J7 |
| 1251 | 9528668,750 | 356819,586 | 178,228 | J5 |
| 1252 | 9528653,986 | 356806,228 | 179,164 | J4 |
| 1253 | 9528638,937 | 356792,941 | 180,006 | J3 |
| 1254 | 9528623,970 | 356779,803 | 180,529 | J2 |
| 1255 | 9528609,031 | 356766,750 | 180,923 | J1 |
| 1256 | 9528578,859 | 356739,954 | 182,105 | M1 |
| 1257 | 9528563,908 | 356726,798 | 182,328 | M2 |
| 1258 | 9528548,870 | 356713,508 | 182,156 | M3 |
| 1259 | 9528533,777 | 356700,329 | 181,300 | M4 |
| 1260 | 9528518,768 | 356687,107 | 180,330 | M5 |
| 1261 | 9528503,457 | 356674,144 | 179,548 | M6 |
| 1262 | 9528488,505 | 356661,042 | 179,142 | M7 |
| 1263 | 9528502,174 | 356645,309 | 177,252 | M7 |
| 1264 | 9528517,154 | 356658,775 | 177,778 | M6 |
| 1265 | 9528532,189 | 356672,060 | 179,033 | M5 |
| 1266 | 9528547,150 | 356685,340 | 180,696 | M4 |
| 1267 | 9528562,264 | 356698,594 | 181,615 | M3 |
| 1268 | 9528577,090 | 356711,916 | 182,190 | M2 |
| 1269 | 9528592,113 | 356725,146 | 182,041 | M1 |
| 1270 | 9528622,141 | 356751,686 | 180,937 | J1 |
| 1271 | 9528637,070 | 356764,953 | 180,545 | J2 |
| 1272 | 9528652,037 | 356778,224 | 179,927 | J3 |
| 1273 | 9528667,108 | 356791,524 | 179,343 | J4 |
| 1274 | 9528682,193 | 356804,751 | 178,669 | J5 |
| 1275 | 9528697,326 | 356817,922 | 178,114 | J6 |
| 1276 | 9528712,362 | 356830,999 | 178,969 | J7 |
| 1277 | 9528727,608 | 356844,175 | 179,826 | J8 |
| 1278 | 9528740,224 | 356830,004 | 178,946 | J8 |
| 1279 | 9528725,261 | 356816,628 | 178,867 | J7 |
| 1280 | 9528710,320 | 356803,392 | 177,648 | J6 |
| 1281 | 9528695,283 | 356790,077 | 178,468 | J5 |
| 1282 | 9528680,351 | 356776,681 | 179,301 | J4 |
| 1283 | 9528665,376 | 356763,380 | 180,010 | J3 |
| 1284 | 9528650,339 | 356750,040 | 180,626 | J2 |
| 1285 | 9528635,337 | 356736,762 | 181,034 | J1 |
| 1286 | 9529364,841 | 355907,410 | 176,224 | M5 |
| 1287 | 9529390,289 | 355937,986 | 177,880 | M3 |
| 1288 | 9529402,442 | 355952,747 | 178,890 | M2 |
| 1289 | 9529415,011 | 355967,556 | 179,527 | M1 |
| 1290 | 9529433,316 | 355989,593 | 179,010 | PC |
| 1291 | 9529453,197 | 356013,896 | 178,064 | J2 |
| 1292 | 9529465,933 | 356029,402 | 177,247 | J3 |
| 1293 | 9529478,580 | 356044,785 | 176,489 | J4 |
| 1294 | 9529490,925 | 356059,783 | 176,306 | J5 |
| 1295 | 9529503,466 | 356075,243 | 175,990 | J6 |
| 1296 | 9529516,172 | 356090,654 | 175,702 | J7 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1297 | 9529545,909 | 356093,676 | 175,747 | J8 |
| 1298 | 9529536,201 | 356081,387 | 176,138 | J7 |
| 1299 | 9529519,802 | 356062,555 | 176,627 | J6 |
| 1300 | 9529506,918 | 356047,141 | 176,908 | J5 |
| 1301 | 9529494,295 | 356032,111 | 177,372 | J4 |
| 1302 | 9529481,521 | 356016,751 | 177,849 | J3 |
| 1303 | 9529468,719 | 356001,148 | 178,450 | J2 |
| 1304 | 9529455,937 | 355985,944 | 178,964 | J1 |
| 1305 | 9529430,440 | 355955,083 | 180,079 | M1 |
| 1306 | 9529417,613 | 355939,492 | 179,539 | M2 |
| 1307 | 9529404,826 | 355924,246 | 178,165 | M3 |
| 1308 | 9529391,897 | 355909,041 | 177,028 | M4 |
| 1309 | 9529378,762 | 355893,548 | 176,363 | M5 |
| 1310 | 9529365,642 | 355878,094 | 175,545 | M6 |
| 1311 | 9529352,538 | 355862,913 | 174,834 | M7 |
| 1312 | 9529339,225 | 355847,654 | 173,712 | M8 |
| 1313 | 9529356,695 | 355834,855 | 174,675 | M8 |
| 1314 | 9529369,911 | 355850,913 | 175,252 | M7 |
| 1315 | 9529382,443 | 355865,908 | 176,080 | M6 |
| 1316 | 9529395,132 | 355881,406 | 176,638 | M5 |
| 1317 | 9529407,843 | 355896,368 | 177,579 | M4 |
| 1318 | 9529420,450 | 355911,655 | 178,664 | M3 |
| 1319 | 9529433,117 | 355926,958 | 179,602 | M2 |
| 1320 | 9529445,745 | 355942,156 | 180,358 | M1 |
| 1321 | 9529471,177 | 355972,854 | 179,439 | J1 |
| 1322 | 9529484,087 | 355988,392 | 178,854 | J2 |
| 1323 | 9529496,515 | 356003,621 | 178,363 | J3 |
| 1324 | 9529509,133 | 356018,814 | 177,930 | J4 |
| 1325 | 9529521,509 | 356033,979 | 177,500 | J5 |
| 1326 | 9529534,459 | 356049,601 | 177,039 | J6 |
| 1327 | 9529547,038 | 356065,046 | 176,404 | J7 |
| 1328 | 9529559,449 | 356080,053 | 176,019 | J8 |
| 1329 | 9529574,669 | 356066,918 | 175,553 | J8 |
| 1330 | 9529562,381 | 356051,793 | 176,227 | J7 |
| 1331 | 9529549,598 | 356036,459 | 176,977 | J6 |
| 1332 | 9529537,342 | 356021,487 | 177,846 | J5 |
| 1333 | 9529524,767 | 356006,349 | 178,604 | J4 |
| 1334 | 9529511,952 | 355990,846 | 178,981 | J3 |
| 1335 | 9529499,344 | 355975,497 | 179,486 | J2 |
| 1336 | 9529486,677 | 355960,323 | 179,831 | J1 |
| 1337 | 9529572,307 | 354082,890 | 174,708 | PC |
| 1338 | 9529458,602 | 355897,638 | 179,565 | M1 |
| 1339 | 9529440,897 | 355905,173 | 179,467 | M3 |
| 1340 | 9529428,207 | 355889,842 | 178,212 | M4 |
| 1341 | 9518145,684 | 354671,821 | 187,853 | EX |
| 1342 | 9518127,280 | 354624,166 | 184,425 | EX |
| 1343 | 9518108,976 | 354576,781 | 182,369 | EX |
| 1344 | 9518090,220 | 354528,894 | 181,517 | EX |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1345 | 9518071,960 | 354481,936 | 181,402 | EX |
| 1346 | 9518063,324 | 354459,209 | 181,417 | EX |
| 1347 | 9529517,055 | 355876,400 | 181,886 | J1 |
| 1348 | 9529536,741 | 355874,928 | 181,169 | J2 |
| 1349 | 9529538,530 | 355892,485 | 182,182 | J3 |
| 1350 | 9529558,243 | 355889,981 | 182,765 | J4 |
| 1351 | 9529556,522 | 355873,770 | 182,337 | J3 |
| 1352 | 9518093,647 | 354565,043 | 180,983 | PC |
| 1353 | 9518085,163 | 354563,900 | 180,282 | PC |
| 1354 | 9518079,372 | 354554,558 | 179,031 | PC |
| 1355 | 9518074,232 | 354535,615 | 176,969 | PC |
| 1356 | 9518070,307 | 354528,485 | 176,401 | PC |
| 1357 | 9518066,207 | 354524,360 | 176,114 | PC |
| 1358 | 9518072,909 | 354516,456 | 175,523 | PC |
| 1359 | 9518074,782 | 354510,828 | 174,306 | PC |
| 1360 | 9518091,708 | 354503,023 | 174,638 | PC |
| 1361 | 9518093,365 | 354498,804 | 174,989 | PC |
| 1362 | 9518092,959 | 354494,543 | 174,231 | PC |
| 1363 | 9518098,547 | 354487,281 | 174,910 | PC |
| 1364 | 9518095,223 | 354484,409 | 174,333 | PC |
| 1365 | 9518097,246 | 354474,133 | 173,991 | PC |
| 1366 | 9518082,376 | 354467,676 | 174,544 | PC |
| 1367 | 9518074,617 | 354461,621 | 174,642 | PC |
| 1368 | 9518045,792 | 354454,502 | 175,650 | PC |
| 1369 | 9518029,402 | 354434,054 | 177,825 | PC |
| 1370 | 9518021,605 | 354412,318 | 179,920 | PC |
| 1371 | 9518018,137 | 354393,251 | 181,075 | PC |
| 1372 | 9518027,454 | 354385,588 | 181,568 | PC |
| 1373 | 9517798,598 | 353830,950 | 196,487 | RN1861M |
| 1374 | 9529415,423 | 355843,032 | 175,871 | M3 |
| 1375 | 9529435,179 | 355841,406 | 176,161 | M2 |
| 1376 | 9529455,086 | 355840,333 | 176,560 | M1 |
| 1377 | 9529494,920 | 355837,712 | 177,962 | J1 |
| 1378 | 9529512,676 | 355836,699 | 177,915 | J2 |
| 1379 | 9529529,745 | 355835,418 | 178,426 | J3 |
| 1380 | 9529547,155 | 355834,706 | 178,996 | J4 |
| 1381 | 9529564,150 | 355833,524 | 180,009 | J5 |
| 1382 | 9529582,428 | 355832,466 | 181,841 | J6 |
| 1383 | 9529600,751 | 355831,365 | 183,590 | J7 |
| 1384 | 9529618,261 | 355830,194 | 185,194 | J8 |
| 1385 | 9529617,333 | 355808,743 | 183,419 | J8 |
| 1386 | 9529599,139 | 355810,152 | 182,988 | J7 |
| 1387 | 9529581,837 | 355811,951 | 181,666 | J6 |
| 1388 | 9529563,951 | 355813,024 | 179,886 | J5 |
| 1389 | 9529546,565 | 355814,177 | 178,610 | J4 |
| 1390 | 9529528,889 | 355815,720 | 176,789 | J3 |
| 1391 | 9529511,173 | 355816,755 | 176,781 | J2 |
| 1392 | 9529493,633 | 355817,832 | 176,282 | J1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1393 | 9529453,749 | 355820,334 | 175,283 | M1 |
| 1394 | 9529433,745 | 355821,710 | 175,220 | M2 |
| 1395 | 9529413,849 | 355823,220 | 175,229 | M3 |
| 1396 | 9529394,124 | 355824,291 | 175,174 | M4 |
| 1397 | 9529374,355 | 355826,430 | 174,970 | M5 |
| 1398 | 9529354,448 | 355827,526 | 174,326 | M6 |
| 1399 | 9529334,704 | 355828,347 | 173,371 | M7 |
| 1400 | 9529313,726 | 355812,301 | 171,866 | M8 |
| 1401 | 9529333,232 | 355809,141 | 172,731 | M7 |
| 1402 | 9529353,144 | 355807,149 | 173,489 | M6 |
| 1403 | 9529373,081 | 355806,425 | 173,929 | M5 |
| 1404 | 9529392,890 | 355804,339 | 174,408 | M4 |
| 1405 | 9529412,809 | 355803,032 | 174,490 | M3 |
| 1406 | 9529432,393 | 355802,174 | 173,602 | M2 |
| 1407 | 9529452,366 | 355800,660 | 174,223 | M1 |
| 1408 | 9529492,442 | 355798,105 | 175,740 | J1 |
| 1409 | 9529508,944 | 355797,129 | 176,546 | J2 |
| 1410 | 9529525,973 | 355796,010 | 177,282 | J3 |
| 1411 | 9529542,436 | 355795,052 | 178,581 | J4 |
| 1412 | 9529559,112 | 355793,610 | 179,779 | J5 |
| 1413 | 9529576,980 | 355792,392 | 180,756 | J6 |
| 1414 | 9529594,091 | 355791,509 | 181,868 | J7 |
| 1415 | 9529609,860 | 355790,076 | 182,569 | J8 |
| 1416 | 9529615,155 | 355769,379 | 181,707 | J8 |
| 1417 | 9529597,346 | 355770,519 | 181,312 | J7 |
| 1418 | 9529578,724 | 355771,899 | 180,500 | J6 |
| 1419 | 9529561,152 | 355773,279 | 179,893 | J5 |
| 1420 | 9529543,487 | 355774,548 | 178,612 | J4 |
| 1421 | 9529525,721 | 355775,552 | 177,607 | J3 |
| 1422 | 9529508,335 | 355777,129 | 176,618 | J2 |
| 1423 | 9529491,077 | 355777,958 | 175,847 | J1 |
| 1424 | 9529451,048 | 355780,565 | 173,891 | M1 |
| 1425 | 9529431,195 | 355781,811 | 172,831 | M2 |
| 1426 | 9529411,107 | 355783,097 | 173,066 | M3 |
| 1427 | 9529391,122 | 355784,924 | 173,389 | M4 |
| 1428 | 9529371,390 | 355786,480 | 173,025 | M5 |
| 1429 | 9529351,482 | 355788,201 | 172,617 | M6 |
| 1430 | 9529331,463 | 355789,725 | 171,872 | M7 |
| 1431 | 9529311,413 | 355791,079 | 171,126 | M8 |
| 1432 | 9529296,940 | 355784,561 | 170,899 | J1-43 |
| 1433 | 9529315,160 | 355773,238 | 170,940 | M8 |
| 1434 | 9529330,607 | 355772,166 | 171,374 | M7 |
| 1435 | 9529350,186 | 355770,086 | 171,561 | M6 |
| 1436 | 9529370,695 | 355767,522 | 171,978 | M5 |
| 1437 | 9529390,972 | 355764,920 | 171,985 | M4 |
| 1438 | 9529411,496 | 355762,916 | 172,933 | M3 |
| 1439 | 9529430,846 | 355761,925 | 174,259 | M2 |
| 1440 | 9529449,911 | 355760,424 | 175,243 | M1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1441 | 9529489,797 | 355758,036 | 176,217 | J1 |
| 1442 | 9529506,607 | 355756,771 | 177,113 | J2 |
| 1443 | 9529522,594 | 355756,094 | 177,744 | J3 |
| 1444 | 9529539,522 | 355754,269 | 178,520 | J4 |
| 1445 | 9529556,954 | 355753,441 | 178,968 | J5 |
| 1446 | 9529574,781 | 355752,215 | 179,516 | J6 |
| 1447 | 9529591,673 | 355750,999 | 180,310 | J7 |
| 1448 | 9529608,775 | 355749,769 | 180,655 | J8 |
| 1449 | 9529615,744 | 355730,093 | 179,991 | J8 |
| 1450 | 9529597,249 | 355731,507 | 179,536 | J7 |
| 1451 | 9529578,144 | 355732,562 | 179,147 | J6 |
| 1452 | 9529559,583 | 355733,561 | 179,079 | J5 |
| 1453 | 9529540,736 | 355734,511 | 178,721 | J4 |
| 1454 | 9529522,752 | 355735,466 | 178,372 | J3 |
| 1455 | 9529505,603 | 355736,756 | 177,891 | J2 |
| 1456 | 9529488,473 | 355737,947 | 177,558 | J1 |
| 1457 | 9529448,553 | 355740,496 | 175,897 | M1 |
| 1458 | 9529430,584 | 355741,171 | 174,593 | M2 |
| 1459 | 9529411,151 | 355742,320 | 173,569 | M3 |
| 1460 | 9529392,076 | 355743,922 | 172,056 | M4 |
| 1461 | 9529374,779 | 355744,811 | 171,512 | M5 |
| 1462 | 9529357,122 | 355746,251 | 171,188 | M6 |
| 1463 | 9529338,848 | 355747,219 | 170,407 | M7 |
| 1464 | 9529321,356 | 355749,382 | 170,430 | M8 |
| 1465 | 9529310,522 | 355730,477 | 169,942 | M8 |
| 1466 | 9529329,204 | 355729,594 | 170,892 | M7 |
| 1467 | 9529348,741 | 355727,670 | 171,737 | M6 |
| 1468 | 9529368,430 | 355725,832 | 172,406 | M5 |
| 1469 | 9529389,117 | 355725,017 | 172,812 | M4 |
| 1470 | 9529410,032 | 355723,342 | 173,831 | M3 |
| 1471 | 9529429,023 | 355721,686 | 175,350 | M2 |
| 1472 | 9529447,294 | 355720,673 | 176,870 | M1 |
| 1473 | 9529487,078 | 355717,843 | 178,675 | J1 |
| 1474 | 9529505,026 | 355716,134 | 179,023 | J2 |
| 1475 | 9529521,626 | 355715,020 | 179,578 | J3 |
| 1476 | 9529538,736 | 355713,691 | 179,728 | J4 |
| 1477 | 9529555,381 | 355712,460 | 179,238 | J5 |
| 1478 | 9529572,894 | 355711,181 | 179,108 | J6 |
| 1479 | 9529592,297 | 355709,557 | 178,999 | J7 |
| 1480 | 9529613,073 | 355708,049 | 179,115 | J8 |
| 1481 | 9529610,323 | 355690,221 | 178,654 | J8 |
| 1482 | 9529588,970 | 355691,541 | 178,722 | J7 |
| 1483 | 9529572,223 | 355692,642 | 179,040 | J6 |
| 1484 | 9529554,875 | 355693,723 | 180,042 | J5 |
| 1485 | 9529537,844 | 355694,421 | 180,456 | J4 |
| 1486 | 9529520,158 | 355695,956 | 180,248 | J3 |
| 1487 | 9529502,730 | 355696,904 | 179,968 | J2 |
| 1488 | 9529485,946 | 355698,034 | 179,438 | J1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1489 | 9529446,057 | 355700,614 | 177,277 | M1 |
| 1490 | 9529426,696 | 355701,918 | 175,540 | M2 |
| 1491 | 9529408,081 | 355703,089 | 174,759 | M3 |
| 1492 | 9529391,091 | 355703,972 | 173,999 | M4 |
| 1493 | 9529373,321 | 355705,069 | 173,451 | M5 |
| 1494 | 9529355,131 | 355705,883 | 172,661 | M6 |
| 1495 | 9529336,717 | 355706,940 | 172,047 | M7 |
| 1496 | 9529318,742 | 355707,775 | 171,243 | M8 |
| 1497 | 9529311,800 | 355689,468 | 171,201 | M8 |
| 1498 | 9529330,796 | 355687,408 | 172,192 | M7 |
| 1499 | 9529348,986 | 355686,533 | 173,050 | M6 |
| 1500 | 9529369,429 | 355685,170 | 174,013 | M5 |
| 1501 | 9529387,602 | 355684,077 | 174,932 | M4 |
| 1502 | 9529407,340 | 355682,945 | 175,479 | M3 |
| 1503 | 9529426,048 | 355681,743 | 176,433 | M2 |
| 1504 | 9529444,756 | 355680,453 | 177,706 | M1 |
| 1505 | 9529484,560 | 355677,979 | 179,304 | J1 |
| 1506 | 9529504,995 | 355676,574 | 180,276 | J2 |
| 1507 | 9529525,361 | 355675,493 | 180,799 | J3 |
| 1508 | 9529545,620 | 355674,290 | 180,741 | J4 |
| 1509 | 9529566,936 | 355673,132 | 179,040 | J5 |
| 1510 | 9529587,201 | 355671,347 | 178,390 | J6 |
| 1511 | 9529607,990 | 355670,055 | 178,081 | J7 |
| 1512 | 9529628,848 | 355667,854 | 178,176 | J8 |
| 1513 | 9529623,202 | 355648,812 | 177,519 | J8 |
| 1514 | 9529602,265 | 355650,339 | 177,233 | J7 |
| 1515 | 9529581,457 | 355651,722 | 178,077 | J6 |
| 1516 | 9529561,533 | 355652,922 | 178,967 | J5 |
| 1517 | 9529541,606 | 355653,870 | 179,986 | J4 |
| 1518 | 9529521,767 | 355655,664 | 180,417 | J3 |
| 1519 | 9529500,774 | 355657,301 | 179,803 | J2 |
| 1520 | 9529483,479 | 355658,091 | 179,195 | J1 |
| 1521 | 9529443,615 | 355660,723 | 177,358 | M1 |
| 1522 | 9529424,232 | 355662,211 | 176,373 | M2 |
| 1523 | 9529405,282 | 355663,046 | 175,543 | M3 |
| 1524 | 9529385,228 | 355664,404 | 174,949 | M4 |
| 1525 | 9529365,447 | 355666,071 | 173,894 | M5 |
| 1526 | 9529349,645 | 355667,417 | 173,271 | M6 |
| 1527 | 9529329,319 | 355668,632 | 172,263 | M7 |
| 1528 | 9529309,512 | 355669,835 | 171,204 | M8 |
| 1529 | 9529283,908 | 355670,759 | 169,734 | PC |
| 1530 | 9529311,683 | 355649,930 | 171,269 | M8 |
| 1531 | 9529330,758 | 355648,674 | 171,993 | M7 |
| 1532 | 9529350,438 | 355646,990 | 172,808 | M6 |
| 1533 | 9529370,578 | 355645,753 | 173,664 | M5 |
| 1534 | 9529391,060 | 355644,542 | 174,517 | M4 |
| 1535 | 9529412,154 | 355642,975 | 175,295 | M3 |
| 1536 | 9529442,196 | 355640,849 | 176,770 | M1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1537 | 9529482,054 | 355638,146 | 178,972 | J1 |
| 1538 | 9529502,354 | 355636,879 | 179,696 | J2 |
| 1539 | 9529543,950 | 355633,682 | 178,790 | J4 |
| 1540 | 9529564,636 | 355632,220 | 177,940 | J5 |
| 1541 | 9529580,803 | 355630,865 | 177,660 | J6 |
| 1542 | 9529599,575 | 355629,419 | 176,799 | J7 |
| 1543 | 9529622,212 | 355627,481 | 176,933 | J8 |
| 1544 | 9529617,761 | 355615,033 | 176,072 | J8 |
| 1545 | 9529594,515 | 355615,679 | 176,451 | J7 |
| 1546 | 9529566,623 | 355616,516 | 177,576 | J6 |
| 1547 | 9529547,911 | 355616,854 | 178,166 | J5 |
| 1548 | 9529532,105 | 355617,232 | 178,947 | J4 |
| 1549 | 9529514,378 | 355617,687 | 178,650 | J3 |
| 1550 | 9529497,158 | 355617,826 | 178,674 | J2 |
| 1551 | 9529480,704 | 355618,614 | 178,216 | J1 |
| 1552 | 9529440,777 | 355620,380 | 176,104 | M1 |
| 1553 | 9529423,054 | 355620,881 | 175,616 | M2 |
| 1554 | 9529407,182 | 355621,798 | 173,979 | M3 |
| 1555 | 9529389,727 | 355622,627 | 173,525 | M4 |
| 1556 | 9529372,798 | 355623,468 | 172,987 | M5 |
| 1557 | 9529354,755 | 355624,325 | 172,504 | M6 |
| 1558 | 9529337,064 | 355625,150 | 171,712 | M7 |
| 1559 | 9529317,585 | 355626,211 | 171,140 | M8 |
| 1560 | 9529335,124 | 355607,716 | 170,728 | M7 |
| 1561 | 9529352,393 | 355606,169 | 171,312 | M6 |
| 1562 | 9529369,746 | 355605,340 | 171,897 | M5 |
| 1563 | 9529388,762 | 355604,118 | 172,068 | M4 |
| 1564 | 9529405,974 | 355603,043 | 173,007 | M3 |
| 1565 | 9529422,727 | 355601,918 | 174,665 | M2 |
| 1566 | 9529439,551 | 355600,849 | 175,243 | M1 |
| 1567 | 9529479,404 | 355598,235 | 176,686 | J1 |
| 1568 | 9529496,469 | 355597,352 | 177,508 | J2 |
| 1569 | 9529513,713 | 355595,802 | 177,923 | J3 |
| 1570 | 9529531,445 | 355594,698 | 177,923 | J4 |
| 1571 | 9529548,232 | 355593,662 | 177,649 | J5 |
| 1572 | 9529565,906 | 355592,380 | 177,205 | J6 |
| 1573 | 9529583,225 | 355590,895 | 176,445 | J7 |
| 1574 | 9529600,691 | 355590,366 | 175,331 | J8 |
| 1575 | 9529606,669 | 355570,697 | 173,791 | PC |
| 1576 | 9529600,195 | 355570,935 | 175,316 | J8 |
| 1577 | 9529582,610 | 355571,899 | 176,327 | J7 |
| 1578 | 9529566,117 | 355572,710 | 176,982 | J6 |
| 1579 | 9529548,230 | 355574,140 | 177,079 | J5 |
| 1580 | 9529529,866 | 355575,250 | 177,017 | J4 |
| 1581 | 9529511,923 | 355576,316 | 176,678 | J3 |
| 1582 | 9529494,699 | 355577,267 | 175,865 | J2 |
| 1583 | 9529478,251 | 355578,426 | 175,586 | J1 |
| 1584 | 9529438,428 | 355580,943 | 174,000 | M1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1585 | 9529421,655 | 355582,107 | 173,640 | M2 |
| 1586 | 9529404,787 | 355583,051 | 172,802 | M3 |
| 1587 | 9529388,765 | 355584,457 | 171,065 | M4 |
| 1588 | 9529373,121 | 355585,350 | 169,951 | M5 |
| 1589 | 9529355,258 | 355586,195 | 170,445 | M6 |
| 1590 | 9529337,309 | 355587,100 | 169,863 | M7 |
| 1591 | 9529327,818 | 355567,977 | 168,586 | M7 |
| 1592 | 9529345,735 | 355566,594 | 169,067 | M6 |
| 1593 | 9529364,563 | 355565,441 | 168,607 | M5 |
| 1594 | 9529383,057 | 355564,610 | 169,773 | M4 |
| 1595 | 9529401,810 | 355563,149 | 170,646 | M3 |
| 1596 | 9529419,387 | 355562,217 | 171,851 | M2 |
| 1597 | 9529436,991 | 355561,104 | 172,251 | M1 |
| 1598 | 9529476,695 | 355558,547 | 173,391 | J1 |
| 1599 | 9529494,260 | 355557,446 | 173,989 | J2 |
| 1600 | 9529511,997 | 355556,304 | 175,020 | J3 |
| 1601 | 9529528,830 | 355555,144 | 175,885 | J4 |
| 1602 | 9529546,028 | 355553,987 | 176,032 | J5 |
| 1603 | 9529563,238 | 355552,925 | 175,772 | J6 |
| 1604 | 9529579,458 | 355552,032 | 175,482 | J7 |
| 1605 | 9529597,346 | 355551,129 | 174,658 | J8 |
| 1606 | 9529597,283 | 355530,747 | 173,774 | J8 |
| 1607 | 9529579,872 | 355531,651 | 174,596 | J7 |
| 1608 | 9529562,917 | 355533,141 | 174,948 | J6 |
| 1609 | 9529545,093 | 355534,200 | 174,955 | J5 |
| 1610 | 9529526,791 | 355535,416 | 174,702 | J4 |
| 1611 | 9529509,206 | 355536,533 | 174,037 | J3 |
| 1612 | 9529491,758 | 355537,678 | 173,254 | J2 |
| 1613 | 9529475,724 | 355538,557 | 171,175 | J1 |
| 1614 | 9529435,717 | 355541,189 | 170,766 | M1 |
| 1615 | 9529418,212 | 355542,399 | 170,381 | M2 |
| 1616 | 9529399,940 | 355543,430 | 169,724 | M3 |
| 1617 | 9529381,509 | 355544,726 | 169,078 | M4 |
| 1618 | 9529364,491 | 355545,643 | 167,552 | M5 |
| 1619 | 9529346,089 | 355546,500 | 167,593 | M6 |
| 1620 | 9529327,765 | 355547,653 | 167,505 | M7 |
| 1621 | 9529309,909 | 355548,991 | 167,123 | M8 |
| 1622 | 9529309,670 | 355529,506 | 166,255 | M8 |
| 1623 | 9529327,590 | 355528,689 | 165,626 | M7 |
| 1624 | 9529347,075 | 355527,057 | 165,634 | M6 |
| 1625 | 9529363,675 | 355525,133 | 167,495 | M5 |
| 1626 | 9529381,228 | 355524,396 | 168,400 | M4 |
| 1627 | 9529399,311 | 355523,253 | 169,028 | M3 |
| 1628 | 9529416,905 | 355523,197 | 169,538 | M2 |
| 1629 | 9529434,292 | 355521,192 | 169,541 | M1 |
| 1630 | 9529473,851 | 355518,725 | 170,469 | J1 |
| 1631 | 9529490,887 | 355517,661 | 171,927 | J2 |
| 1632 | 9529507,944 | 355516,731 | 173,063 | J3 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1633 | 9529524,427 | 355515,598 | 174,066 | J4 |
| 1634 | 9529541,359 | 355514,557 | 174,163 | J5 |
| 1635 | 9529559,294 | 355513,062 | 173,689 | J6 |
| 1636 | 9529576,832 | 355512,095 | 173,193 | J7 |
| 1637 | 9529594,022 | 355510,661 | 173,100 | J8 |
| 1638 | 9529589,227 | 355493,136 | 172,408 | J8 |
| 1639 | 9529571,750 | 355493,908 | 172,662 | J7 |
| 1640 | 9529554,863 | 355494,256 | 172,988 | J6 |
| 1641 | 9529539,327 | 355494,609 | 173,380 | J5 |
| 1642 | 9529522,746 | 355495,678 | 172,285 | J4 |
| 1643 | 9529505,423 | 355497,093 | 171,023 | J3 |
| 1644 | 9529488,878 | 355497,915 | 169,820 | J2 |
| 1645 | 9529472,737 | 355498,942 | 168,887 | J1 |
| 1646 | 9529433,302 | 355501,420 | 168,139 | M1 |
| 1647 | 9529412,355 | 355502,506 | 168,857 | M2 |
| 1648 | 9529391,817 | 355504,317 | 168,248 | M3 |
| 1649 | 9529371,023 | 355505,116 | 166,787 | M4 |
| 1650 | 9529350,570 | 355507,308 | 165,046 | M5 |
| 1651 | 9529328,207 | 355508,985 | 165,616 | M6 |
| 1652 | 9529307,109 | 355510,714 | 165,795 | M7 |
| 1653 | 9529300,886 | 355490,408 | 167,007 | M8 |
| 1654 | 9529318,650 | 355488,913 | 166,709 | M7 |
| 1655 | 9529337,922 | 355488,123 | 166,263 | M6 |
| 1656 | 9529356,014 | 355486,809 | 164,557 | M5 |
| 1657 | 9529375,227 | 355485,400 | 165,740 | M4 |
| 1658 | 9529394,382 | 355484,212 | 167,580 | M3 |
| 1659 | 9529412,731 | 355482,919 | 167,775 | M2 |
| 1660 | 9529431,761 | 355481,626 | 166,381 | M1 |
| 1661 | 9529471,601 | 355478,921 | 167,029 | J1 |
| 1662 | 9529489,207 | 355477,694 | 168,187 | J2 |
| 1663 | 9529505,045 | 355476,862 | 169,242 | J3 |
| 1664 | 9529521,330 | 355475,437 | 170,753 | J4 |
| 1665 | 9529538,667 | 355474,779 | 171,846 | J5 |
| 1666 | 9529555,296 | 355473,862 | 171,857 | J6 |
| 1667 | 9529572,598 | 355472,673 | 171,883 | J7 |
| 1668 | 9529589,856 | 355471,860 | 172,553 | J8 |
| 1669 | 9529591,033 | 355451,635 | 173,173 | J8 |
| 1670 | 9529575,005 | 355452,266 | 172,079 | J7 |
| 1671 | 9529557,645 | 355453,602 | 171,215 | J6 |
| 1672 | 9529540,444 | 355454,701 | 171,194 | J5 |
| 1673 | 9529522,260 | 355455,945 | 170,025 | J4 |
| 1674 | 9529505,792 | 355456,740 | 168,053 | J3 |
| 1675 | 9529488,456 | 355458,148 | 166,989 | J2 |
| 1676 | 9529470,375 | 355458,996 | 165,820 | J1 |
| 1677 | 9529430,680 | 355461,540 | 164,796 | M1 |
| 1678 | 9529416,159 | 355462,286 | 165,685 | M2 |
| 1679 | 9529400,763 | 355463,611 | 166,157 | M3 |
| 1680 | 9529384,914 | 355464,582 | 165,782 | M4 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1681 | 9529369,642 | 355465,740 | 164,519 | M5 |
| 1682 | 9529353,614 | 355466,293 | 165,322 | M6 |
| 1683 | 9529334,173 | 355467,416 | 166,717 | M7 |
| 1684 | 9529312,359 | 355469,172 | 167,207 | M8 |
| 1685 | 9529285,401 | 355450,404 | 168,003 | M8 |
| 1686 | 9529306,498 | 355449,067 | 167,484 | M7 |
| 1687 | 9529327,864 | 355447,866 | 167,042 | M6 |
| 1688 | 9529348,033 | 355446,497 | 166,053 | M5 |
| 1689 | 9529368,407 | 355445,200 | 164,178 | M4 |
| 1690 | 9529389,112 | 355444,157 | 165,097 | M3 |
| 1691 | 9529409,316 | 355442,853 | 164,496 | M2 |
| 1692 | 9529429,107 | 355441,597 | 163,742 | M1 |
| 1693 | 9529468,835 | 355438,989 | 164,587 | J1 |
| 1694 | 9529485,959 | 355437,956 | 165,326 | J2 |
| 1695 | 9529502,687 | 355436,938 | 166,379 | J3 |
| 1696 | 9529517,664 | 355435,887 | 168,723 | J4 |
| 1697 | 9529533,750 | 355434,625 | 169,199 | J5 |
| 1698 | 9529550,094 | 355433,389 | 170,378 | J6 |
| 1699 | 9529565,809 | 355432,622 | 171,692 | J7 |
| 1700 | 9529582,223 | 355431,486 | 171,444 | J8 |
| 1701 | 9529578,380 | 355415,416 | 169,454 | J8 |
| 1702 | 9529563,900 | 355414,930 | 171,827 | J7 |
| 1703 | 9529547,157 | 355413,119 | 171,430 | PC |
| 1704 | 9529518,190 | 355416,100 | 166,408 | J4 |
| 1705 | 9529500,953 | 355417,075 | 164,650 | J3 |
| 1706 | 9529484,488 | 355418,393 | 163,763 | J2 |
| 1707 | 9529467,709 | 355419,179 | 162,989 | J1 |
| 1708 | 9529427,918 | 355421,803 | 161,986 | M1 |
| 1709 | 9529408,095 | 355423,194 | 162,499 | M2 |
| 1710 | 9529386,377 | 355424,708 | 163,326 | M3 |
| 1711 | 9529364,256 | 355426,186 | 164,336 | M4 |
| 1712 | 9529342,117 | 355427,377 | 165,789 | M5 |
| 1713 | 9529320,977 | 355428,263 | 166,608 | M6 |
| 1714 | 9529299,378 | 355429,861 | 167,347 | M7 |
| 1715 | 9529279,107 | 355431,419 | 168,001 | M8 |
| 1716 | 9529291,980 | 355409,971 | 167,206 | PC |
| 1717 | 9529310,044 | 355409,050 | 166,652 | M8 |
| 1718 | 9529329,545 | 355408,122 | 165,893 | M7 |
| 1719 | 9529346,926 | 355407,263 | 165,174 | M6 |
| 1720 | 9529363,978 | 355406,282 | 164,635 | M5 |
| 1721 | 9529380,785 | 355404,656 | 164,234 | M4 |
| 1722 | 9529396,922 | 355403,810 | 163,620 | M3 |
| 1723 | 9529413,178 | 355402,761 | 162,591 | M2 |
| 1724 | 9529429,369 | 355401,775 | 161,736 | M1 |
| 1725 | 9529466,469 | 355399,195 | 160,740 | J1 |
| 1726 | 9529482,588 | 355398,259 | 162,003 | J2 |
| 1727 | 9529498,458 | 355397,230 | 163,192 | J3 |
| 1728 | 9529513,969 | 355395,973 | 165,258 | J4 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1729 | 9529528,521 | 355394,775 | 168,214 | J5 |
| 1730 | 9529544,741 | 355393,756 | 169,655 | J6 |
| 1731 | 9529560,361 | 355392,789 | 167,134 | J7 |
| 1732 | 9529576,709 | 355392,115 | 165,507 | J8 |
| 1733 | 9529594,383 | 355391,258 | 164,635 | PC |
| 1734 | 9529579,293 | 355371,317 | 162,763 | J8 |
| 1735 | 9529564,310 | 355372,311 | 163,418 | J7 |
| 1736 | 9529548,610 | 355373,551 | 164,178 | J6 |
| 1737 | 9529532,691 | 355374,603 | 165,160 | J5 |
| 1738 | 9529515,482 | 355375,923 | 164,140 | J4 |
| 1739 | 9529498,252 | 355376,820 | 162,406 | J3 |
| 1740 | 9529481,046 | 355378,132 | 160,728 | J2 |
| 1741 | 9529465,148 | 355379,356 | 158,871 | J1 |
| 1742 | 9529580,608 | 355353,309 | 161,801 | J8 |
| 1743 | 9529565,061 | 355353,943 | 161,865 | J7 |
| 1744 | 9529546,975 | 355354,652 | 161,756 | J6 |
| 1745 | 9529530,368 | 355355,263 | 162,081 | J5 |
| 1746 | 9529512,922 | 355356,057 | 162,386 | J4 |
| 1747 | 9529496,196 | 355356,887 | 161,416 | J3 |
| 1748 | 9529479,434 | 355358,427 | 159,136 | J2 |
| 1749 | 9529463,713 | 355359,328 | 158,137 | J1 |
| 1750 | 9529423,969 | 355361,873 | 161,960 | M1 |
| 1751 | 9529406,426 | 355363,073 | 162,816 | M2 |
| 1752 | 9529389,945 | 355364,226 | 163,626 | M3 |
| 1753 | 9529373,880 | 355365,264 | 163,597 | M4 |
| 1754 | 9529356,746 | 355365,933 | 164,044 | M5 |
| 1755 | 9529339,119 | 355366,898 | 164,842 | M6 |
| 1756 | 9529322,614 | 355368,004 | 165,705 | M7 |
| 1757 | 9529304,974 | 355369,580 | 166,279 | M8 |
| 1758 | 9529295,084 | 355350,439 | 166,146 | M7 |
| 1759 | 9529316,687 | 355349,262 | 165,397 | M6 |
| 1760 | 9529338,185 | 355347,841 | 164,499 | M5 |
| 1761 | 9529359,900 | 355346,397 | 163,497 | M4 |
| 1762 | 9529381,952 | 355344,937 | 163,343 | M3 |
| 1763 | 9529403,026 | 355343,454 | 162,407 | M2 |
| 1764 | 9529422,630 | 355342,092 | 161,391 | M1 |
| 1765 | 9529461,850 | 355339,525 | 157,640 | J1 |
| 1766 | 9529479,460 | 355338,537 | 157,726 | J2 |
| 1767 | 9529495,736 | 355337,684 | 157,978 | J3 |
| 1768 | 9529510,954 | 355336,644 | 159,629 | J4 |
| 1769 | 9529527,284 | 355335,975 | 160,221 | J5 |
| 1770 | 9529544,890 | 355334,285 | 160,596 | J6 |
| 1771 | 9529560,811 | 355333,424 | 160,496 | J7 |
| 1772 | 9529576,918 | 355332,057 | 160,349 | J8 |
| 1773 | 9529579,966 | 355311,321 | 159,737 | J8 |
| 1774 | 9529562,380 | 355312,592 | 158,778 | J7 |
| 1775 | 9529546,239 | 355313,742 | 158,629 | J6 |
| 1776 | 9529529,012 | 355314,977 | 158,041 | J5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1777 | 9529522,750 | 355315,372 | 155,825 | PC |
| 1778 | 9529513,836 | 355315,981 | 156,595 | J4 |
| 1779 | 9529495,860 | 355317,088 | 156,904 | J3 |
| 1780 | 9529478,333 | 355318,384 | 158,206 | J2 |
| 1781 | 9529461,379 | 355319,467 | 159,263 | J1 |
| 1782 | 9529421,479 | 355322,095 | 160,353 | M1 |
| 1783 | 9529404,129 | 355323,060 | 161,107 | M2 |
| 1784 | 9529387,191 | 355324,535 | 161,796 | M3 |
| 1785 | 9529369,791 | 355325,281 | 162,556 | M4 |
| 1786 | 9529351,754 | 355326,282 | 163,362 | M5 |
| 1787 | 9529336,636 | 355327,310 | 164,235 | M6 |
| 1788 | 9529319,123 | 355328,253 | 164,695 | M7 |
| 1789 | 9529301,389 | 355329,648 | 165,354 | M8 |
| 1790 | 9529295,580 | 355310,405 | 164,740 | M8 |
| 1791 | 9529312,279 | 355309,869 | 163,995 | M7 |
| 1792 | 9529329,504 | 355308,716 | 163,629 | M6 |
| 1793 | 9529346,997 | 355307,317 | 162,751 | M5 |
| 1794 | 9529365,166 | 355305,524 | 162,040 | M4 |
| 1795 | 9529384,579 | 355304,117 | 161,432 | M3 |
| 1796 | 9529402,607 | 355303,399 | 160,926 | M2 |
| 1797 | 9529419,978 | 355302,091 | 160,274 | M1 |
| 1798 | 9529459,452 | 355299,660 | 159,197 | J1 |
| 1799 | 9529475,044 | 355298,695 | 158,698 | J2 |
| 1800 | 9529491,046 | 355297,299 | 157,712 | J3 |
| 1801 | 9529507,130 | 355296,354 | 157,081 | J4 |
| 1802 | 9529522,793 | 355295,386 | 156,056 | J5 |
| 1803 | 9529538,469 | 355294,938 | 156,689 | J6 |
| 1804 | 9529554,531 | 355292,728 | 158,032 | J7 |
| 1805 | 9529570,965 | 355291,557 | 159,515 | J8 |
| 1806 | 9529574,552 | 355271,006 | 158,317 | J8 |
| 1807 | 9529557,759 | 355272,156 | 157,486 | J7 |
| 1808 | 9529540,455 | 355273,762 | 155,792 | J6 |
| 1809 | 9529524,420 | 355274,747 | 156,442 | J5 |
| 1810 | 9529507,256 | 355276,099 | 157,535 | J4 |
| 1811 | 9529490,788 | 355277,174 | 158,259 | J3 |
| 1812 | 9529473,661 | 355278,517 | 158,997 | J2 |
| 1813 | 9529458,352 | 355279,651 | 159,364 | J1 |
| 1814 | 9529399,618 | 355283,119 | 160,801 | M2 |
| 1815 | 9529380,173 | 355285,093 | 161,105 | M3 |
| 1816 | 9529360,054 | 355285,996 | 161,041 | M4 |
| 1817 | 9529339,982 | 355287,401 | 161,030 | M5 |
| 1818 | 9529319,577 | 355288,642 | 161,641 | M6 |
| 1819 | 9529299,476 | 355289,926 | 162,552 | M7 |
| 1820 | 9529278,922 | 355291,166 | 163,171 | M8 |
| 1821 | 9529273,668 | 355251,731 | 159,568 | M8 |
| 1822 | 9529294,151 | 355250,323 | 159,507 | M7 |
| 1823 | 9529314,107 | 355248,928 | 159,692 | M6 |
| 1824 | 9529334,382 | 355247,792 | 159,524 | M5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|--------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1825 | 9529354,864 | 355246,240 | 159,721 | M4 |
| 1826 | 9529375,085 | 355245,073 | 160,229 | M3 |
| 1827 | 9529395,439 | 355243,693 | 160,840 | M2 |
| 1828 | 9529416,213 | 355242,344 | 160,563 | M1 |
| 1829 | 9529456,011 | 355239,727 | 159,246 | J1 |
| 1830 | 9529473,898 | 355238,709 | 158,711 | J2 |
| 1831 | 9529491,799 | 355237,434 | 157,703 | J3 |
| 1832 | 9529509,835 | 355236,265 | 157,001 | J4 |
| 1833 | 9529526,738 | 355235,232 | 156,291 | J5 |
| 1834 | 9529544,061 | 355234,305 | 155,060 | J6 |
| 1835 | 9529561,089 | 355233,067 | 155,275 | J7 |
| 1836 | 9529578,749 | 355232,114 | 156,333 | J8 |
| 1837 | 9529575,250 | 355211,531 | 154,904 | J8 |
| 1838 | 9529558,351 | 355212,867 | 154,637 | J7 |
| 1839 | 9529541,960 | 355213,909 | 155,540 | J6 |
| 1840 | 9529524,644 | 355215,231 | 156,637 | J5 |
| 1841 | 9529506,768 | 355216,354 | 157,114 | J4 |
| 1842 | 9529489,335 | 355217,925 | 157,674 | J3 |
| 1843 | 9529472,246 | 355219,011 | 158,271 | J2 |
| 1844 | 9529454,601 | 355219,847 | 158,648 | J1 |
| 1845 | 9520899,186 | 352508,559 | 184,860 | MC PT CON 15 |
| 1846 | 9516343,810 | 349964,806 | 206,370 | BASE |
| 1847 | 9517603,605 | 353186,687 | 205,675 | MC PT CON 14 |
| 1848 | 9514592,595 | 355703,270 | 190,565 | MC PT CON 13 |
| 1849 | 9517791,410 | 355264,783 | 205,693 | MC PT CON 19 |
| 1850 | 9518572,056 | 354646,342 | 194,646 | MC PT CON 18 |
| 1851 | 9512555,732 | 344051,704 | 191,943 | RN 1861 U |
| 1852 | 9528605,436 | 356710,021 | 182,091 | M1 |
| 1853 | 9528590,321 | 356696,930 | 182,119 | M2 |
| 1854 | 9528575,360 | 356683,486 | 181,294 | M3 |
| 1855 | 9528560,135 | 356670,169 | 180,604 | M4 |
| 1856 | 9528545,015 | 356656,964 | 179,073 | M5 |
| 1857 | 9528514,803 | 356630,544 | 176,353 | M7 |
| 1858 | 9528499,742 | 356617,302 | 176,328 | M8 |
| 1859 | 9528513,820 | 356602,499 | 174,599 | M8 |
| 1860 | 9528528,632 | 356615,772 | 176,043 | M7 |
| 1861 | 9528543,637 | 356629,032 | 176,970 | M6 |
| 1862 | 9528558,614 | 356642,114 | 178,258 | M5 |
| 1863 | 9528573,497 | 356655,283 | 179,431 | M4 |
| 1864 | 9528588,541 | 356668,618 | 180,253 | M3 |
| 1865 | 9528603,698 | 356681,942 | 181,568 | M2 |
| 1866 | 9528618,649 | 356695,168 | 182,130 | M1 |
| 1867 | 9528648,545 | 356721,703 | 181,689 | J1 |
| 1868 | 9528663,633 | 356734,951 | 181,212 | J2 |
| 1869 | 9528678,579 | 356748,284 | 180,488 | J3 |
| 1870 | 9528693,645 | 356761,436 | 179,805 | J4 |
| 1871 | 9528708,595 | 356774,659 | 178,716 | J5 |
| 1872 | 9528723,702 | 356788,119 | 177,982 | J6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1873 | 9528738,747 | 356801,294 | 178,381 | J7 |
| 1874 | 9528753,881 | 356814,774 | 178,703 | J8 |
| 1875 | 9528768,081 | 356798,337 | 177,546 | J8 |
| 1876 | 9528752,567 | 356785,629 | 177,692 | J7 |
| 1877 | 9528737,052 | 356772,725 | 177,952 | J6 |
| 1878 | 9528721,913 | 356759,921 | 179,008 | J5 |
| 1879 | 9528707,073 | 356746,745 | 179,830 | J4 |
| 1880 | 9528691,969 | 356733,418 | 180,762 | J3 |
| 1881 | 9528676,957 | 356720,116 | 181,204 | J2 |
| 1882 | 9528661,967 | 356706,772 | 181,654 | J1 |
| 1883 | 9528631,954 | 356680,261 | 182,198 | M1 |
| 1884 | 9528616,899 | 356666,911 | 181,033 | M2 |
| 1885 | 9528601,871 | 356653,656 | 180,028 | M3 |
| 1886 | 9528586,921 | 356640,373 | 178,097 | M4 |
| 1887 | 9528542,190 | 356600,859 | 175,408 | M7 |
| 1888 | 9528526,709 | 356587,024 | 174,553 | M8 |
| 1889 | 9528555,518 | 356585,366 | 173,940 | M7 |
| 1890 | 9528585,512 | 356612,168 | 176,283 | M5 |
| 1891 | 9528600,526 | 356625,380 | 178,268 | M4 |
| 1892 | 9528615,449 | 356638,608 | 179,741 | M3 |
| 1893 | 9528630,300 | 356651,998 | 180,732 | M2 |
| 1894 | 9528645,181 | 356665,240 | 182,052 | M1 |
| 1895 | 9528675,193 | 356691,754 | 181,894 | J1 |
| 1896 | 9528690,139 | 356705,125 | 181,326 | J2 |
| 1897 | 9528705,095 | 356718,486 | 180,709 | J3 |
| 1898 | 9528720,055 | 356731,859 | 179,989 | J4 |
| 1899 | 9528735,108 | 356745,255 | 179,053 | J5 |
| 1900 | 9528750,139 | 356758,576 | 178,150 | J6 |
| 1901 | 9528764,986 | 356771,762 | 178,089 | J7 |
| 1902 | 9528779,997 | 356784,965 | 177,108 | J8 |
| 1903 | 9528793,446 | 356769,707 | 177,523 | J7 |
| 1904 | 9528778,599 | 356756,443 | 177,459 | J6 |
| 1905 | 9528763,649 | 356743,279 | 178,431 | J5 |
| 1906 | 9528748,496 | 356729,945 | 179,030 | J4 |
| 1907 | 9528718,476 | 356703,459 | 180,773 | J3 |
| 1908 | 9528703,464 | 356689,995 | 181,389 | J2 |
| 1909 | 9528688,257 | 356676,704 | 181,822 | J1 |
| 1910 | 9528643,474 | 356637,118 | 181,166 | M2 |
| 1911 | 9528628,415 | 356623,815 | 179,661 | M3 |
| 1912 | 9528613,312 | 356610,601 | 178,437 | M4 |
| 1913 | 9528598,290 | 356597,296 | 176,801 | M5 |
| 1914 | 9528582,830 | 356583,988 | 175,192 | M6 |
| 1915 | 9528551,235 | 356557,858 | 173,014 | M8 |
| 1916 | 9528567,083 | 356542,417 | 172,339 | M8 |
| 1917 | 9528581,996 | 356555,648 | 173,909 | M7 |
| 1918 | 9528596,958 | 356568,824 | 175,247 | M6 |
| 1919 | 9528611,929 | 356582,218 | 177,264 | M5 |
| 1920 | 9528627,024 | 356595,504 | 178,691 | M4 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1921 | 9528641,952 | 356608,741 | 180,298 | M3 |
| 1922 | 9528656,847 | 356622,032 | 181,649 | M2 |
| 1923 | 9528671,759 | 356635,401 | 182,429 | M1 |
| 1924 | 9528701,584 | 356661,839 | 182,017 | J1 |
| 1925 | 9528716,659 | 356675,197 | 181,445 | J2 |
| 1926 | 9528731,633 | 356688,623 | 180,808 | J3 |
| 1927 | 9528746,616 | 356701,893 | 180,039 | J4 |
| 1928 | 9528761,583 | 356715,289 | 179,174 | J5 |
| 1929 | 9528776,700 | 356728,723 | 178,504 | J6 |
| 1930 | 9528791,660 | 356742,034 | 177,867 | J7 |
| 1931 | 9528806,508 | 356755,448 | 176,897 | J8 |
| 1932 | 9528820,217 | 356739,490 | 176,825 | J8 |
| 1933 | 9528805,055 | 356726,222 | 177,968 | J7 |
| 1934 | 9528790,006 | 356712,958 | 178,610 | J6 |
| 1935 | 9528774,986 | 356699,809 | 179,464 | J5 |
| 1936 | 9528759,815 | 356686,448 | 180,107 | J4 |
| 1937 | 9528744,832 | 356673,280 | 180,879 | J3 |
| 1938 | 9528729,897 | 356660,029 | 181,539 | J2 |
| 1939 | 9528714,933 | 356646,835 | 182,032 | J1 |
| 1940 | 9528685,030 | 356620,337 | 182,306 | M1 |
| 1941 | 9528670,123 | 356606,966 | 181,372 | M2 |
| 1942 | 9528660,233 | 356600,073 | 180,513 | J1-01 |
| 1943 | 9528655,083 | 356593,683 | 179,956 | M3 |
| 1944 | 9528640,156 | 356580,285 | 178,769 | M4 |
| 1945 | 9528610,398 | 356553,588 | 175,170 | M6 |
| 1946 | 9528581,634 | 356527,473 | 172,070 | M8 |
| 1947 | 9528593,660 | 356513,818 | 172,233 | M8 |
| 1948 | 9528608,723 | 356526,764 | 173,339 | M7 |
| 1949 | 9528623,739 | 356539,849 | 174,981 | M6 |
| 1950 | 9528638,715 | 356552,836 | 176,714 | M5 |
| 1951 | 9528653,598 | 356565,867 | 178,400 | M4 |
| 1952 | 9528668,528 | 356578,964 | 179,348 | M3 |
| 1953 | 9528683,335 | 356592,232 | 180,755 | M2 |
| 1954 | 9528698,294 | 356605,546 | 181,709 | M1 |
| 1955 | 9528728,072 | 356631,989 | 181,879 | J1 |
| 1956 | 9528743,018 | 356645,355 | 181,534 | J2 |
| 1957 | 9528758,074 | 356658,682 | 180,984 | J3 |
| 1958 | 9528773,042 | 356672,038 | 180,212 | J4 |
| 1959 | 9528788,034 | 356685,299 | 179,594 | J5 |
| 1960 | 9528803,048 | 356698,563 | 178,812 | J6 |
| 1961 | 9528818,106 | 356711,800 | 178,038 | J7 |
| 1962 | 9528833,103 | 356725,036 | 176,912 | J8 |
| 1963 | 9528831,573 | 356696,676 | 178,125 | J7 |
| 1964 | 9528816,596 | 356683,460 | 178,821 | J6 |
| 1965 | 9528801,625 | 356670,244 | 179,585 | J5 |
| 1966 | 9528786,570 | 356656,973 | 180,453 | J4 |
| 1967 | 9528771,498 | 356643,594 | 181,023 | J3 |
| 1968 | 9528756,514 | 356630,266 | 181,429 | J2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1969 | 9528741,482 | 356616,897 | 181,620 | J1 |
| 1970 | 9528711,704 | 356590,442 | 181,127 | M1 |
| 1971 | 9528696,781 | 356577,187 | 179,683 | M2 |
| 1972 | 9528682,236 | 356564,124 | 178,209 | M3 |
| 1973 | 9528667,183 | 356550,566 | 176,833 | M4 |
| 1974 | 9528652,220 | 356537,210 | 175,815 | M5 |
| 1975 | 9528637,379 | 356523,699 | 174,541 | M6 |
| 1976 | 9528622,809 | 356510,398 | 173,226 | M7 |
| 1977 | 9528634,814 | 356496,569 | 173,758 | M7 |
| 1978 | 9528649,956 | 356509,736 | 173,765 | M6 |
| 1979 | 9528679,966 | 356535,938 | 176,137 | M4 |
| 1980 | 9528694,840 | 356549,071 | 177,812 | M3 |
| 1981 | 9528709,909 | 356562,282 | 179,382 | M2 |
| 1982 | 9528724,756 | 356575,528 | 180,659 | M1 |
| 1983 | 9528754,757 | 356601,940 | 181,463 | J1 |
| 1984 | 9528769,800 | 356615,391 | 181,282 | J2 |
| 1985 | 9528784,983 | 356628,830 | 180,656 | J3 |
| 1986 | 9528799,974 | 356642,017 | 180,086 | J4 |
| 1987 | 9528815,067 | 356655,133 | 179,466 | J5 |
| 1988 | 9528813,001 | 356627,184 | 179,864 | J4 |
| 1989 | 9528827,888 | 356640,688 | 178,017 | J5 |
| 1990 | 9528797,992 | 356613,863 | 180,429 | J3 |
| 1991 | 9528782,885 | 356600,481 | 180,920 | J2 |
| 1992 | 9528767,941 | 356587,141 | 181,322 | J1 |
| 1993 | 9528738,013 | 356560,660 | 180,925 | M1 |
| 1994 | 9528723,092 | 356547,373 | 179,024 | M2 |
| 1995 | 9528708,164 | 356534,139 | 177,553 | M3 |
| 1996 | 9528693,456 | 356520,826 | 176,782 | M4 |
| 1997 | 9528678,450 | 356507,552 | 175,974 | M5 |
| 1998 | 9528663,501 | 356494,356 | 175,022 | M6 |
| 1999 | 9528648,449 | 356481,123 | 174,913 | M7 |
| 2000 | 9528646,502 | 356452,613 | 176,379 | M8 |
| 2001 | 9528661,660 | 356465,962 | 176,002 | M7 |
| 2002 | 9528675,795 | 356478,567 | 176,414 | M6 |
| 2003 | 9528691,606 | 356491,985 | 176,610 | M5 |
| 2004 | 9528704,374 | 356504,349 | 177,455 | M4 |
| 2005 | 9528721,538 | 356519,159 | 178,845 | M3 |
| 2006 | 9528736,313 | 356532,244 | 180,756 | M2 |
| 2007 | 9528751,254 | 356545,567 | 181,682 | M1 |
| 2008 | 9528781,191 | 356572,153 | 181,216 | J1 |
| 2009 | 9528796,185 | 356585,382 | 180,752 | J2 |
| 2010 | 9528811,254 | 356598,676 | 179,864 | J3 |
| 2011 | 9528826,127 | 356611,708 | 178,949 | J4 |
| 2012 | 9528841,080 | 356624,948 | 179,430 | J5 |
| 2013 | 9528855,750 | 356637,815 | 178,178 | J6 |
| 2014 | 9528870,863 | 356651,466 | 180,017 | J7 |
| 2015 | 9528885,735 | 356664,598 | 178,687 | J8 |
| 2016 | 9528899,711 | 356649,391 | 179,673 | J8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2017 | 9528884,586 | 356636,013 | 179,888 | J7 |
| 2018 | 9528869,749 | 356622,884 | 179,973 | J6 |
| 2019 | 9528854,758 | 356609,805 | 179,735 | J5 |
| 2020 | 9528839,799 | 356596,638 | 180,132 | J4 |
| 2021 | 9528824,685 | 356583,449 | 179,814 | J3 |
| 2022 | 9528809,632 | 356570,363 | 180,847 | J2 |
| 2023 | 9528794,570 | 356557,125 | 181,293 | J1 |
| 2024 | 9528764,720 | 356530,608 | 182,166 | M1 |
| 2025 | 9528749,614 | 356517,286 | 181,705 | M2 |
| 2026 | 9528734,619 | 356504,049 | 180,198 | M3 |
| 2027 | 9528719,970 | 356490,767 | 178,644 | M4 |
| 2028 | 9528704,949 | 356477,537 | 177,485 | M5 |
| 2029 | 9528690,008 | 356464,138 | 177,135 | M6 |
| 2030 | 9528675,071 | 356450,868 | 177,555 | M7 |
| 2031 | 9528689,286 | 356436,460 | 178,563 | M7 |
| 2032 | 9528704,269 | 356449,735 | 178,717 | M6 |
| 2033 | 9528718,619 | 356462,696 | 178,889 | M5 |
| 2034 | 9528733,344 | 356476,067 | 180,133 | M4 |
| 2035 | 9528748,197 | 356489,200 | 181,143 | M3 |
| 2036 | 9528762,961 | 356502,424 | 182,207 | M2 |
| 2037 | 9528777,956 | 356515,693 | 182,336 | M1 |
| 2038 | 9528807,833 | 356542,121 | 181,491 | J1 |
| 2039 | 9528822,757 | 356555,413 | 181,151 | J2 |
| 2040 | 9528837,746 | 356568,701 | 180,806 | J3 |
| 2041 | 9528852,732 | 356581,891 | 180,601 | J4 |
| 2042 | 9528867,641 | 356595,167 | 180,750 | J5 |
| 2043 | 9528882,552 | 356608,428 | 180,801 | J6 |
| 2044 | 9528897,487 | 356621,822 | 180,473 | J7 |
| 2045 | 9528912,306 | 356635,013 | 180,422 | J8 |
| 2046 | 9528926,056 | 356620,590 | 181,078 | J8 |
| 2047 | 9528911,046 | 356607,070 | 181,247 | J7 |
| 2048 | 9528896,113 | 356593,680 | 181,566 | J6 |
| 2049 | 9528881,088 | 356580,315 | 181,503 | J5 |
| 2050 | 9528866,221 | 356567,035 | 181,271 | J4 |
| 2051 | 9528851,196 | 356553,772 | 181,244 | J3 |
| 2052 | 9528836,152 | 356540,476 | 181,485 | J2 |
| 2053 | 9528821,129 | 356527,197 | 181,740 | J1 |
| 2054 | 9528791,220 | 356500,697 | 182,593 | M1 |
| 2055 | 9528776,323 | 356487,469 | 182,773 | M2 |
| 2056 | 9528761,236 | 356474,030 | 182,582 | M3 |
| 2057 | 9528746,360 | 356460,681 | 181,430 | M4 |
| 2058 | 9528731,593 | 356447,353 | 179,727 | M5 |
| 2059 | 9528716,984 | 356434,203 | 181,075 | M6 |
| 2060 | 9528702,228 | 356420,652 | 181,170 | M7 |
| 2061 | 9528687,450 | 356407,325 | 181,219 | M8 |
| 2062 | 9528674,824 | 356422,968 | 179,469 | M8 |
| 2063 | 9528699,194 | 356392,981 | 182,161 | M8 |
| 2064 | 9528714,184 | 356406,229 | 182,311 | M7 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2065 | 9528729,213 | 356419,627 | 182,309 | M6 |
| 2066 | 9528744,278 | 356432,841 | 181,147 | M5 |
| 2067 | 9528759,434 | 356445,945 | 182,464 | M4 |
| 2068 | 9528774,477 | 356459,213 | 183,164 | M3 |
| 2069 | 9528789,453 | 356472,432 | 183,161 | M2 |
| 2070 | 9528804,452 | 356485,704 | 182,944 | M1 |
| 2071 | 9528834,338 | 356512,226 | 182,147 | J1 |
| 2072 | 9528849,249 | 356525,387 | 181,826 | J2 |
| 2073 | 9528864,153 | 356538,743 | 181,676 | J3 |
| 2074 | 9528879,191 | 356552,013 | 181,738 | J4 |
| 2075 | 9528894,173 | 356565,351 | 181,944 | J5 |
| 2076 | 9528909,184 | 356578,782 | 182,161 | J6 |
| 2077 | 9528924,139 | 356592,085 | 181,942 | J7 |
| 2078 | 9528939,154 | 356605,178 | 181,962 | J8 |
| 2079 | 9528952,299 | 356589,918 | 182,190 | J8 |
| 2080 | 9528937,394 | 356576,634 | 182,551 | J7 |
| 2081 | 9528922,354 | 356563,398 | 182,506 | J6 |
| 2082 | 9528907,358 | 356550,195 | 182,345 | J5 |
| 2083 | 9528892,466 | 356536,918 | 182,042 | J4 |
| 2084 | 9528877,560 | 356523,659 | 182,035 | J3 |
| 2085 | 9528862,656 | 356510,431 | 182,113 | J2 |
| 2086 | 9528847,659 | 356497,247 | 182,483 | J1 |
| 2087 | 9528817,938 | 356470,796 | 183,201 | M1 |
| 2088 | 9528802,880 | 356457,507 | 183,462 | M2 |
| 2089 | 9528787,788 | 356444,305 | 183,503 | M3 |
| 2090 | 9528772,707 | 356431,217 | 182,911 | M4 |
| 2091 | 9528757,740 | 356417,907 | 182,945 | M5 |
| 2092 | 9528742,587 | 356404,491 | 182,904 | M6 |
| 2093 | 9528727,114 | 356391,381 | 182,342 | M7 |
| 2094 | 9528711,676 | 356378,351 | 181,967 | M8 |
| 2095 | 9528725,721 | 356362,051 | 181,462 | M8 |
| 2096 | 9528731,878 | 356373,398 | 181,783 | J1-10 |
| 2097 | 9528657,224 | 356306,131 | 180,147 | J1-11 |
| 2098 | 9528582,012 | 356236,147 | 178,808 | J1-12 |
| 2099 | 9528512,875 | 356172,701 | 178,661 | J1-50 |
| 2100 | 9528434,354 | 356101,558 | 175,488 | J1-51 |
| 2101 | 9528740,750 | 356375,431 | 181,791 | M7 |
| 2102 | 9528755,760 | 356388,898 | 182,805 | M6 |
| 2103 | 9528770,751 | 356402,445 | 183,532 | M5 |
| 2104 | 9528785,755 | 356415,772 | 183,828 | M4 |
| 2105 | 9528801,023 | 356429,157 | 184,040 | M3 |
| 2106 | 9528815,988 | 356442,481 | 183,819 | M2 |
| 2107 | 9528831,062 | 356455,796 | 183,568 | M1 |
| 2108 | 9528860,820 | 356482,215 | 182,925 | J1 |
| 2109 | 9528875,852 | 356495,454 | 182,508 | J2 |
| 2110 | 9528890,838 | 356508,772 | 182,300 | J3 |
| 2111 | 9528905,700 | 356522,138 | 182,272 | J4 |
| 2112 | 9528920,728 | 356535,481 | 182,355 | J5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2113 | 9528935,645 | 356548,839 | 182,619 | J6 |
| 2114 | 9528950,706 | 356562,095 | 182,637 | J7 |
| 2115 | 9528979,111 | 356560,920 | 182,884 | J8 |
| 2116 | 9528964,232 | 356547,537 | 182,800 | J7 |
| 2117 | 9528949,177 | 356534,052 | 182,606 | J6 |
| 2118 | 9528934,087 | 356520,708 | 182,434 | J5 |
| 2119 | 9528919,228 | 356507,406 | 182,395 | J4 |
| 2120 | 9528904,342 | 356493,875 | 182,535 | J3 |
| 2121 | 9528889,344 | 356480,569 | 182,753 | J2 |
| 2122 | 9528874,310 | 356467,138 | 183,255 | J1 |
| 2123 | 9528902,990 | 356443,674 | 183,903 | J1 |
| 2124 | 9528915,880 | 356459,014 | 183,448 | J2 |
| 2125 | 9528928,543 | 356474,581 | 182,892 | J3 |
| 2126 | 9528941,278 | 356489,936 | 182,585 | J4 |
| 2127 | 9528954,024 | 356505,318 | 182,433 | J5 |
| 2128 | 9528966,801 | 356520,863 | 182,551 | J6 |
| 2129 | 9528979,236 | 356536,217 | 182,802 | J7 |
| 2130 | 9528991,564 | 356551,320 | 182,675 | J8 |
| 2131 | 9529008,387 | 356537,709 | 182,228 | J7 |
| 2132 | 9528996,039 | 356522,324 | 182,580 | J6 |
| 2133 | 9528983,160 | 356507,284 | 182,058 | J5 |
| 2134 | 9528970,228 | 356492,086 | 182,084 | J4 |
| 2135 | 9528957,312 | 356476,905 | 182,483 | J3 |
| 2136 | 9528931,549 | 356446,438 | 183,608 | J2 |
| 2137 | 9528918,464 | 356430,881 | 184,080 | J1 |
| 2138 | 9528893,023 | 356400,253 | 185,121 | M1 |
| 2139 | 9528880,360 | 356384,765 | 184,947 | M2 |
| 2140 | 9528867,339 | 356368,533 | 184,916 | M3 |
| 2141 | 9528855,081 | 356353,653 | 185,222 | M4 |
| 2142 | 9528842,484 | 356338,176 | 185,042 | M5 |
| 2143 | 9528829,941 | 356323,085 | 184,631 | M6 |
| 2144 | 9528817,221 | 356307,755 | 184,449 | M7 |
| 2145 | 9528804,235 | 356293,030 | 183,600 | M8 |
| 2146 | 9528826,637 | 356351,818 | 185,307 | M5 |
| 2147 | 9528839,343 | 356366,984 | 185,779 | M4 |
| 2148 | 9528864,012 | 356396,519 | 184,829 | M2 |
| 2149 | 9528877,463 | 356412,814 | 184,811 | M1 |
| 2150 | 9528887,542 | 356456,431 | 183,479 | J1 |
| 2151 | 9528900,462 | 356471,875 | 182,958 | J2 |
| 2152 | 9528913,151 | 356487,296 | 182,629 | J3 |
| 2153 | 9528926,091 | 356502,713 | 182,495 | J4 |
| 2154 | 9529022,428 | 356526,370 | 182,080 | J8 |
| 2155 | 9529009,851 | 356511,131 | 181,848 | J7 |
| 2156 | 9528997,132 | 356495,663 | 181,440 | J6 |
| 2157 | 9528984,440 | 356480,131 | 181,684 | J5 |
| 2158 | 9528971,837 | 356464,683 | 182,276 | J4 |
| 2159 | 9528959,177 | 356449,148 | 182,944 | J3 |
| 2160 | 9528946,517 | 356433,688 | 183,624 | J2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2161 | 9528933,897 | 356418,236 | 184,444 | J1 |
| 2162 | 9528908,367 | 356387,518 | 185,649 | M1 |
| 2163 | 9528895,638 | 356372,122 | 184,949 | M2 |
| 2164 | 9528882,733 | 356356,541 | 184,880 | M3 |
| 2165 | 9528870,032 | 356341,037 | 184,461 | M4 |
| 2166 | 9528857,305 | 356325,709 | 184,462 | M5 |
| 2167 | 9528844,636 | 356310,137 | 184,216 | M6 |
| 2168 | 9528832,086 | 356294,600 | 184,354 | M7 |
| 2169 | 9528845,825 | 356280,386 | 183,900 | M7 |
| 2170 | 9528858,725 | 356296,233 | 183,781 | M6 |
| 2171 | 9528871,407 | 356311,678 | 183,911 | M5 |
| 2172 | 9528884,185 | 356327,107 | 184,571 | M4 |
| 2173 | 9528898,118 | 356343,827 | 184,846 | M3 |
| 2174 | 9528910,909 | 356359,228 | 185,037 | M2 |
| 2175 | 9528923,658 | 356374,607 | 185,953 | M1 |
| 2176 | 9528949,167 | 356405,471 | 184,866 | J1 |
| 2177 | 9528961,791 | 356420,875 | 184,160 | J2 |
| 2178 | 9528974,512 | 356436,239 | 183,414 | J3 |
| 2179 | 9528987,489 | 356451,991 | 181,946 | J4 |
| 2180 | 9529000,107 | 356467,275 | 180,953 | J5 |
| 2181 | 9529013,264 | 356483,188 | 180,466 | J6 |
| 2182 | 9529026,221 | 356498,428 | 181,023 | J7 |
| 2183 | 9529039,573 | 356514,003 | 181,537 | J8 |
| 2184 | 9529054,030 | 356500,273 | 180,826 | J8 |
| 2185 | 9529041,421 | 356484,812 | 180,270 | J7 |
| 2186 | 9529028,433 | 356469,413 | 179,502 | J6 |
| 2187 | 9529015,566 | 356454,212 | 180,504 | J5 |
| 2188 | 9529002,871 | 356438,785 | 181,616 | J4 |
| 2189 | 9528990,071 | 356423,512 | 183,156 | J3 |
| 2190 | 9528977,315 | 356408,203 | 184,175 | J2 |
| 2191 | 9528964,652 | 356392,790 | 185,062 | J1 |
| 2192 | 9528939,184 | 356362,010 | 185,888 | M1 |
| 2193 | 9528926,333 | 356346,502 | 185,189 | M2 |
| 2194 | 9528913,689 | 356331,173 | 184,890 | M3 |
| 2195 | 9528900,978 | 356315,896 | 184,740 | M4 |
| 2196 | 9528888,378 | 356300,359 | 184,085 | M5 |
| 2197 | 9528875,677 | 356284,789 | 183,523 | M6 |
| 2198 | 9528862,420 | 356268,518 | 183,497 | M7 |
| 2199 | 9528850,425 | 356253,664 | 183,466 | M8 |
| 2200 | 9528852,898 | 356224,380 | 183,246 | PC |
| 2201 | 9528865,295 | 356240,140 | 182,976 | M8 |
| 2202 | 9528878,042 | 356255,672 | 183,035 | M7 |
| 2203 | 9528890,709 | 356271,320 | 183,410 | M6 |
| 2204 | 9528903,459 | 356286,952 | 183,943 | M5 |
| 2205 | 9528916,272 | 356302,405 | 184,613 | M4 |
| 2206 | 9528928,966 | 356317,965 | 184,984 | M3 |
| 2207 | 9528941,713 | 356333,406 | 185,330 | M2 |
| 2208 | 9528954,433 | 356349,062 | 185,907 | M1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2209 | 9528980,078 | 356379,889 | 184,533 | J1 |
| 2210 | 9528992,552 | 356395,478 | 184,402 | J2 |
| 2211 | 9529005,761 | 356410,298 | 182,152 | J3 |
| 2212 | 9529018,575 | 356425,911 | 180,924 | J4 |
| 2213 | 9529031,398 | 356441,349 | 179,957 | J5 |
| 2214 | 9529043,824 | 356457,161 | 178,827 | J6 |
| 2215 | 9529056,572 | 356472,552 | 179,427 | J7 |
| 2216 | 9529071,606 | 356485,914 | 180,420 | J8 |
| 2217 | 9529084,431 | 356501,395 | 180,759 | PC |
| 2218 | 9529085,502 | 356474,260 | 179,662 | J8 |
| 2219 | 9529072,626 | 356458,919 | 178,845 | J7 |
| 2220 | 9529059,531 | 356443,695 | 178,240 | J6 |
| 2221 | 9529046,461 | 356428,202 | 179,537 | J5 |
| 2222 | 9529034,249 | 356413,362 | 180,341 | J4 |
| 2223 | 9529021,087 | 356397,858 | 181,381 | J3 |
| 2224 | 9529008,269 | 356382,357 | 183,278 | J2 |
| 2225 | 9528995,387 | 356366,996 | 184,408 | J1 |
| 2226 | 9528970,011 | 356336,415 | 185,687 | M1 |
| 2227 | 9528957,167 | 356320,785 | 185,345 | M2 |
| 2228 | 9528944,170 | 356305,243 | 185,245 | M3 |
| 2229 | 9528931,413 | 356289,614 | 184,653 | M4 |
| 2230 | 9528918,481 | 356274,282 | 183,779 | M5 |
| 2231 | 9528905,586 | 356258,881 | 183,116 | M6 |
| 2232 | 9528892,465 | 356243,428 | 182,785 | M7 |
| 2233 | 9528879,798 | 356227,839 | 182,584 | M8 |
| 2234 | 9528896,878 | 356214,603 | 182,079 | M8 |
| 2235 | 9528909,435 | 356230,145 | 182,464 | M7 |
| 2236 | 9528921,964 | 356245,731 | 182,823 | M6 |
| 2237 | 9528934,515 | 356261,420 | 183,599 | M5 |
| 2238 | 9528947,184 | 356277,013 | 184,501 | M4 |
| 2239 | 9528959,756 | 356292,597 | 185,225 | M3 |
| 2240 | 9528972,515 | 356308,069 | 185,487 | M2 |
| 2241 | 9528985,306 | 356323,547 | 185,010 | M1 |
| 2242 | 9529010,723 | 356354,347 | 183,611 | J1 |
| 2243 | 9529023,475 | 356369,853 | 182,418 | J2 |
| 2244 | 9529036,689 | 356385,274 | 180,864 | J3 |
| 2245 | 9529049,703 | 356400,679 | 180,176 | J4 |
| 2246 | 9529062,622 | 356415,797 | 179,200 | J5 |
| 2247 | 9529075,693 | 356431,062 | 178,124 | J6 |
| 2248 | 9529088,749 | 356446,351 | 178,103 | J7 |
| 2249 | 9529102,011 | 356461,588 | 178,903 | J8 |
| 2250 | 9529115,678 | 356449,416 | 178,325 | J8 |
| 2251 | 9529102,643 | 356434,250 | 177,745 | J7 |
| 2252 | 9529089,618 | 356419,001 | 177,873 | J6 |
| 2253 | 9529076,973 | 356403,464 | 179,183 | J5 |
| 2254 | 9529064,298 | 356387,983 | 179,954 | J4 |
| 2255 | 9529051,551 | 356372,433 | 180,808 | J3 |
| 2256 | 9529038,808 | 356357,040 | 181,716 | J2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2257 | 9529026,181 | 356341,647 | 183,104 | J1 |
| 2258 | 9529000,850 | 356310,865 | 184,921 | M1 |
| 2259 | 9528988,020 | 356295,241 | 184,842 | M2 |
| 2260 | 9528975,384 | 356279,935 | 184,669 | M3 |
| 2261 | 9528962,353 | 356264,429 | 184,019 | M4 |
| 2262 | 9528949,314 | 356248,911 | 183,014 | M5 |
| 2263 | 9528936,283 | 356233,652 | 182,609 | M6 |
| 2264 | 9528923,313 | 356218,304 | 182,233 | M7 |
| 2265 | 9528910,059 | 356202,614 | 182,146 | M8 |
| 2266 | 9528926,536 | 356189,832 | 181,564 | M8 |
| 2267 | 9528939,456 | 356205,072 | 182,074 | M7 |
| 2268 | 9528952,123 | 356220,710 | 182,444 | M6 |
| 2269 | 9528964,402 | 356236,295 | 182,599 | M5 |
| 2270 | 9528977,476 | 356251,820 | 183,661 | M4 |
| 2271 | 9528990,394 | 356267,304 | 184,091 | M3 |
| 2272 | 9529003,248 | 356282,679 | 183,836 | M2 |
| 2273 | 9529016,112 | 356298,139 | 184,075 | M1 |
| 2274 | 9529041,356 | 356328,642 | 182,939 | J1 |
| 2275 | 9529054,128 | 356344,095 | 181,626 | J2 |
| 2276 | 9529066,673 | 356359,530 | 180,506 | J3 |
| 2277 | 9529079,437 | 356375,048 | 179,790 | J4 |
| 2278 | 9529092,170 | 356390,380 | 178,604 | J5 |
| 2279 | 9529105,101 | 356405,716 | 177,616 | J6 |
| 2280 | 9529118,023 | 356420,905 | 176,868 | J7 |
| 2281 | 9529131,337 | 356436,471 | 177,611 | J8 |
| 2282 | 9529140,969 | 356428,634 | 177,406 | J7 |
| 2283 | 9529129,682 | 356412,148 | 176,374 | J6 |
| 2284 | 9529117,806 | 356396,006 | 177,639 | J5 |
| 2285 | 9529105,932 | 356379,698 | 178,536 | J4 |
| 2286 | 9529093,755 | 356363,623 | 179,379 | J3 |
| 2287 | 9529081,696 | 356347,714 | 180,110 | J2 |
| 2288 | 9529057,041 | 356316,039 | 182,609 | J1 |
| 2289 | 9529031,535 | 356285,312 | 183,040 | M1 |
| 2290 | 9529018,816 | 356269,860 | 183,307 | M2 |
| 2291 | 9529005,953 | 356254,293 | 183,513 | M3 |
| 2292 | 9528993,150 | 356238,843 | 183,266 | M4 |
| 2293 | 9528980,502 | 356223,356 | 182,665 | M5 |
| 2294 | 9528967,802 | 356207,812 | 182,404 | M6 |
| 2295 | 9528955,064 | 356192,112 | 181,891 | M7 |
| 2296 | 9528956,738 | 356163,746 | 181,325 | M8 |
| 2297 | 9528969,496 | 356179,267 | 181,953 | M7 |
| 2298 | 9528982,347 | 356194,830 | 182,519 | M6 |
| 2299 | 9528995,325 | 356210,463 | 182,795 | M5 |
| 2300 | 9529008,302 | 356225,996 | 183,151 | M4 |
| 2301 | 9529021,204 | 356241,576 | 183,132 | M3 |
| 2302 | 9529033,995 | 356257,133 | 182,986 | M2 |
| 2303 | 9529046,905 | 356272,528 | 182,606 | M1 |
| 2304 | 9529072,422 | 356303,385 | 182,745 | J1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2305 | 9529085,218 | 356318,687 | 181,685 | J2 |
| 2306 | 9529097,814 | 356334,187 | 180,692 | J3 |
| 2307 | 9529110,586 | 356349,665 | 179,174 | J4 |
| 2308 | 9529123,294 | 356364,991 | 178,632 | J5 |
| 2309 | 9529135,969 | 356380,500 | 177,807 | J6 |
| 2310 | 9529148,604 | 356395,717 | 176,032 | J7 |
| 2311 | 9529164,556 | 356382,323 | 176,907 | J7 |
| 2312 | 9529151,741 | 356367,288 | 177,730 | J6 |
| 2313 | 9529139,068 | 356352,090 | 178,469 | J5 |
| 2314 | 9529126,178 | 356336,743 | 179,114 | J4 |
| 2315 | 9529113,180 | 356321,168 | 180,141 | J3 |
| 2316 | 9529100,588 | 356306,018 | 180,920 | J2 |
| 2317 | 9529087,855 | 356290,627 | 181,730 | J1 |
| 2318 | 9529062,321 | 356259,962 | 182,203 | M1 |
| 2319 | 9529048,853 | 356243,562 | 182,977 | M2 |
| 2320 | 9529035,977 | 356228,085 | 183,319 | M3 |
| 2321 | 9529023,151 | 356212,545 | 183,230 | M4 |
| 2322 | 9529010,307 | 356197,085 | 183,048 | M5 |
| 2323 | 9528997,596 | 356181,806 | 182,692 | M6 |
| 2324 | 9528984,846 | 356166,466 | 182,024 | M7 |
| 2325 | 9528972,169 | 356150,911 | 181,583 | M8 |
| 2326 | 9528988,784 | 356139,399 | 181,925 | M8 |
| 2327 | 9529001,326 | 356154,406 | 182,269 | M7 |
| 2328 | 9529013,934 | 356169,797 | 182,671 | M6 |
| 2329 | 9529026,804 | 356185,268 | 183,025 | M5 |
| 2330 | 9529039,524 | 356200,811 | 183,447 | M4 |
| 2331 | 9529052,148 | 356216,204 | 183,225 | M3 |
| 2332 | 9529064,973 | 356231,667 | 182,447 | M2 |
| 2333 | 9529077,682 | 356247,006 | 181,791 | M1 |
| 2334 | 9529103,161 | 356277,861 | 180,466 | J1 |
| 2335 | 9529115,974 | 356293,267 | 180,105 | J2 |
| 2336 | 9529128,639 | 356308,821 | 179,700 | J3 |
| 2337 | 9529141,261 | 356323,961 | 178,912 | J4 |
| 2338 | 9529154,011 | 356339,341 | 178,212 | J5 |
| 2339 | 9529166,686 | 356354,939 | 177,583 | J6 |
| 2340 | 9529179,509 | 356370,298 | 175,995 | J7 |
| 2341 | 9529192,383 | 356385,837 | 175,362 | J8 |
| 2342 | 9529176,209 | 356396,190 | 175,376 | J8 |
| 2343 | 9529208,298 | 356373,802 | 176,505 | J8 |
| 2344 | 9529195,544 | 356358,203 | 176,975 | J7 |
| 2345 | 9529182,777 | 356342,673 | 177,058 | J6 |
| 2346 | 9529170,081 | 356327,216 | 177,513 | J5 |
| 2347 | 9529157,298 | 356311,708 | 177,932 | J4 |
| 2348 | 9529144,347 | 356296,177 | 178,689 | J3 |
| 2349 | 9529131,575 | 356280,741 | 179,210 | J2 |
| 2350 | 9529118,705 | 356265,128 | 180,116 | J1 |
| 2351 | 9529093,202 | 356234,330 | 181,899 | M1 |
| 2352 | 9529080,333 | 356218,891 | 182,428 | M2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2353 | 9529067,742 | 356203,693 | 183,089 | M3 |
| 2354 | 9529054,763 | 356187,865 | 183,513 | M4 |
| 2355 | 9529041,919 | 356172,528 | 183,188 | M5 |
| 2356 | 9529029,156 | 356156,935 | 182,787 | M6 |
| 2357 | 9529016,178 | 356141,305 | 182,499 | M7 |
| 2358 | 9529031,030 | 356128,182 | 182,459 | M7 |
| 2359 | 9529043,956 | 356143,738 | 182,789 | M6 |
| 2360 | 9529056,967 | 356159,650 | 183,366 | M5 |
| 2361 | 9529069,908 | 356175,153 | 183,696 | M4 |
| 2362 | 9529082,774 | 356190,590 | 183,599 | M3 |
| 2363 | 9529095,716 | 356206,118 | 182,485 | M2 |
| 2364 | 9529108,520 | 356221,494 | 182,014 | M1 |
| 2365 | 9529133,939 | 356252,213 | 180,689 | J1 |
| 2366 | 9529146,662 | 356267,717 | 180,316 | J2 |
| 2367 | 9529159,430 | 356283,151 | 179,598 | J3 |
| 2368 | 9529172,142 | 356298,468 | 178,859 | J4 |
| 2369 | 9529184,744 | 356313,838 | 178,495 | J5 |
| 2370 | 9529197,288 | 356329,134 | 177,906 | J6 |
| 2371 | 9529210,401 | 356345,053 | 177,320 | J7 |
| 2372 | 9529223,276 | 356360,507 | 176,657 | J8 |
| 2373 | 9529239,391 | 356347,541 | 176,507 | J8 |
| 2374 | 9529226,523 | 356332,151 | 177,423 | J7 |
| 2375 | 9529213,779 | 356316,879 | 178,093 | J6 |
| 2376 | 9529200,999 | 356301,553 | 178,729 | J5 |
| 2377 | 9529188,125 | 356286,207 | 179,551 | J4 |
| 2378 | 9529175,236 | 356270,545 | 180,465 | J3 |
| 2379 | 9529162,333 | 356255,205 | 181,054 | J2 |
| 2380 | 9529149,536 | 356239,614 | 181,390 | J1 |
| 2381 | 9529123,968 | 356208,953 | 182,136 | M1 |
| 2382 | 9529111,103 | 356193,399 | 182,988 | M2 |
| 2383 | 9529098,307 | 356177,962 | 183,758 | M3 |
| 2384 | 9529085,299 | 356162,407 | 183,104 | M4 |
| 2385 | 9529072,337 | 356146,840 | 183,494 | M5 |
| 2386 | 9529059,499 | 356131,504 | 183,004 | M6 |
| 2387 | 9529046,537 | 356116,077 | 182,222 | M7 |
| 2388 | 9529062,530 | 356103,934 | 182,181 | M7 |
| 2389 | 9529075,313 | 356119,249 | 182,775 | M6 |
| 2390 | 9529088,105 | 356134,591 | 183,481 | M5 |
| 2391 | 9529100,994 | 356150,077 | 183,944 | M4 |
| 2392 | 9529113,705 | 356165,353 | 183,903 | M3 |
| 2393 | 9529126,383 | 356180,664 | 183,179 | M2 |
| 2394 | 9529139,197 | 356196,208 | 182,098 | M1 |
| 2395 | 9529164,727 | 356226,955 | 181,244 | J1 |
| 2396 | 9529177,534 | 356242,300 | 181,039 | J2 |
| 2397 | 9529190,340 | 356257,569 | 180,510 | J3 |
| 2398 | 9529203,176 | 356273,023 | 179,561 | J4 |
| 2399 | 9529216,022 | 356288,637 | 178,745 | J5 |
| 2400 | 9529228,875 | 356303,911 | 177,864 | J6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2401 | 9529241,689 | 356319,404 | 177,167 | J7 |
| 2402 | 9529254,586 | 356334,914 | 176,424 | J8 |
| 2403 | 9529271,402 | 356323,268 | 176,333 | J8 |
| 2404 | 9529257,378 | 356307,139 | 177,208 | J7 |
| 2405 | 9529243,480 | 356290,977 | 178,031 | J6 |
| 2406 | 9529231,062 | 356276,063 | 179,007 | J5 |
| 2407 | 9529218,215 | 356260,660 | 180,333 | J4 |
| 2408 | 9529205,858 | 356245,512 | 180,989 | J3 |
| 2409 | 9529192,838 | 356229,781 | 181,478 | J2 |
| 2410 | 9529180,061 | 356214,218 | 181,572 | J1 |
| 2411 | 9529154,243 | 356183,649 | 182,166 | M1 |
| 2412 | 9529141,485 | 356168,721 | 182,383 | M2 |
| 2413 | 9529128,379 | 356153,366 | 182,444 | M3 |
| 2414 | 9529115,243 | 356138,012 | 183,112 | M4 |
| 2415 | 9529102,008 | 356122,725 | 182,771 | M5 |
| 2416 | 9529088,830 | 356107,521 | 182,140 | M6 |
| 2417 | 9529076,121 | 356092,630 | 181,886 | M7 |
| 2418 | 9529063,433 | 356077,611 | 181,210 | M8 |
| 2419 | 9529081,008 | 356063,996 | 181,009 | M8 |
| 2420 | 9529093,860 | 356078,662 | 181,701 | M7 |
| 2421 | 9529106,064 | 356093,658 | 182,008 | M6 |
| 2422 | 9529118,733 | 356108,970 | 182,237 | M5 |
| 2423 | 9529131,386 | 356124,334 | 182,298 | M4 |
| 2424 | 9529144,325 | 356139,877 | 181,850 | M3 |
| 2425 | 9529157,225 | 356155,289 | 181,547 | M2 |
| 2426 | 9529169,888 | 356170,593 | 181,484 | M1 |
| 2427 | 9529195,317 | 356201,316 | 181,340 | J1 |
| 2428 | 9529208,165 | 356216,855 | 181,188 | J2 |
| 2429 | 9529220,872 | 356232,322 | 180,963 | J3 |
| 2430 | 9529233,546 | 356247,477 | 180,418 | J4 |
| 2431 | 9529246,358 | 356262,866 | 179,333 | J5 |
| 2432 | 9529258,984 | 356278,182 | 178,604 | J6 |
| 2433 | 9529274,807 | 356266,158 | 178,530 | J6 |
| 2434 | 9529262,110 | 356250,816 | 179,460 | J5 |
| 2435 | 9529249,294 | 356235,245 | 180,221 | J4 |
| 2436 | 9529236,467 | 356219,696 | 180,417 | J3 |
| 2437 | 9529223,759 | 356204,255 | 180,672 | J2 |
| 2438 | 9529210,921 | 356188,899 | 181,039 | J1 |
| 2439 | 9529185,297 | 356157,941 | 180,905 | M1 |
| 2440 | 9529172,410 | 356142,450 | 181,177 | M2 |
| 2441 | 9529159,352 | 356126,715 | 181,473 | M3 |
| 2442 | 9529146,525 | 356111,295 | 181,636 | M4 |
| 2443 | 9529133,787 | 356095,824 | 181,660 | M5 |
| 2444 | 9529121,117 | 356080,525 | 181,670 | M6 |
| 2445 | 9529108,486 | 356065,420 | 181,526 | M7 |
| 2446 | 9529095,943 | 356050,540 | 180,954 | M8 |
| 2447 | 9529110,915 | 356036,966 | 180,790 | M8 |
| 2448 | 9529123,761 | 356052,494 | 181,200 | M7 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2449 | 9529136,703 | 356068,056 | 181,452 | M6 |
| 2450 | 9529149,446 | 356083,516 | 181,253 | M5 |
| 2451 | 9529162,381 | 356099,107 | 181,137 | M4 |
| 2452 | 9529175,105 | 356114,418 | 180,888 | M3 |
| 2453 | 9529187,706 | 356129,586 | 180,768 | M2 |
| 2454 | 9529200,536 | 356145,242 | 180,445 | M1 |
| 2455 | 9529226,109 | 356176,053 | 179,947 | J1 |
| 2456 | 9529238,763 | 356191,470 | 179,934 | J2 |
| 2457 | 9529251,636 | 356207,050 | 179,664 | J3 |
| 2458 | 9529264,603 | 356222,627 | 179,693 | J4 |
| 2459 | 9529277,494 | 356238,399 | 179,034 | J5 |
| 2460 | 9529290,081 | 356253,808 | 178,319 | J6 |
| 2461 | 9529318,192 | 356255,719 | 177,050 | J8 |
| 2462 | 9529305,502 | 356240,688 | 177,994 | J7 |
| 2463 | 9529292,775 | 356225,268 | 178,445 | J6 |
| 2464 | 9529279,684 | 356209,501 | 179,088 | J5 |
| 2465 | 9529266,761 | 356193,929 | 179,016 | J4 |
| 2466 | 9529254,088 | 356178,662 | 179,039 | J3 |
| 2467 | 9529241,366 | 356163,329 | 179,191 | J2 |
| 2468 | 9529215,963 | 356132,639 | 179,812 | M1 |
| 2469 | 9529203,128 | 356117,284 | 180,204 | M2 |
| 2470 | 9529190,164 | 356101,929 | 180,417 | M3 |
| 2471 | 9529177,455 | 356086,736 | 180,662 | M4 |
| 2472 | 9529164,577 | 356071,560 | 180,834 | M5 |
| 2473 | 9529152,335 | 356056,909 | 181,022 | M6 |
| 2474 | 9529139,210 | 356041,135 | 180,978 | M7 |
| 2475 | 9529126,433 | 356025,744 | 180,730 | M8 |
| 2476 | 9529205,702 | 356089,282 | 180,001 | M3 |
| 2477 | 9529218,365 | 356104,340 | 179,652 | M2 |
| 2478 | 9529231,291 | 356119,789 | 179,229 | M1 |
| 2479 | 9529256,776 | 356150,768 | 178,530 | J1 |
| 2480 | 9529269,542 | 356166,152 | 178,235 | J2 |
| 2481 | 9529282,109 | 356181,336 | 178,291 | J3 |
| 2482 | 9529294,764 | 356196,694 | 178,172 | J4 |
| 2483 | 9529307,680 | 356212,225 | 177,804 | J5 |
| 2484 | 9529320,395 | 356227,576 | 177,331 | J6 |
| 2485 | 9529332,717 | 356242,958 | 176,689 | J7 |
| 2486 | 9529347,986 | 356229,415 | 176,108 | J7 |
| 2487 | 9529335,507 | 356214,247 | 176,586 | J6 |
| 2488 | 9529322,726 | 356198,927 | 177,015 | J5 |
| 2489 | 9529309,915 | 356183,688 | 177,236 | J4 |
| 2490 | 9529297,601 | 356168,786 | 177,458 | J3 |
| 2491 | 9529284,764 | 356153,258 | 177,514 | J2 |
| 2492 | 9529271,899 | 356137,833 | 177,852 | J1 |
| 2493 | 9529246,473 | 356107,224 | 178,664 | M1 |
| 2494 | 9529233,732 | 356091,957 | 179,115 | M2 |
| 2495 | 9529221,228 | 356076,878 | 179,528 | M3 |
| 2496 | 9529208,874 | 356062,492 | 179,803 | M4 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2497 | 9529173,923 | 355986,815 | 179,885 | M8 |
| 2498 | 9529185,931 | 356001,662 | 179,808 | M7 |
| 2499 | 9529198,313 | 356017,402 | 179,650 | M6 |
| 2500 | 9529210,919 | 356032,647 | 179,703 | M5 |
| 2501 | 9529223,550 | 356048,153 | 179,523 | M4 |
| 2502 | 9529236,317 | 356063,531 | 179,262 | M3 |
| 2503 | 9529249,045 | 356079,142 | 178,834 | M2 |
| 2504 | 9529261,784 | 356094,590 | 178,170 | M1 |
| 2505 | 9529287,209 | 356125,326 | 177,248 | J1 |
| 2506 | 9529299,986 | 356140,780 | 176,878 | J2 |
| 2507 | 9529312,548 | 356155,941 | 176,380 | J3 |
| 2508 | 9529325,239 | 356171,394 | 176,489 | J4 |
| 2509 | 9529338,032 | 356186,985 | 176,278 | J5 |
| 2510 | 9529349,856 | 356201,521 | 175,898 | J6 |
| 2511 | 9529363,645 | 356215,563 | 175,655 | J7 |
| 2512 | 9529390,586 | 356218,524 | 175,317 | J8 |
| 2513 | 9529378,241 | 356203,755 | 175,337 | J7 |
| 2514 | 9529365,566 | 356188,708 | 175,396 | J6 |
| 2515 | 9529353,173 | 356173,471 | 175,522 | J5 |
| 2516 | 9529340,329 | 356158,044 | 175,792 | J4 |
| 2517 | 9529327,862 | 356142,808 | 175,742 | J3 |
| 2518 | 9529315,328 | 356127,858 | 175,688 | J2 |
| 2519 | 9529302,363 | 356112,543 | 175,929 | J1 |
| 2520 | 9529277,013 | 356081,824 | 177,920 | M1 |
| 2521 | 9529264,387 | 356066,336 | 178,643 | M2 |
| 2522 | 9529251,683 | 356050,971 | 179,098 | M3 |
| 2523 | 9529238,864 | 356035,483 | 179,265 | M4 |
| 2524 | 9529226,198 | 356019,906 | 179,163 | M5 |
| 2525 | 9529213,314 | 356004,264 | 179,417 | M6 |
| 2526 | 9529200,510 | 355988,977 | 178,893 | M7 |
| 2527 | 9529188,049 | 355973,486 | 179,575 | M8 |
| 2528 | 9529204,498 | 355962,316 | 178,508 | M8 |
| 2529 | 9529216,822 | 355977,358 | 178,270 | M7 |
| 2530 | 9529229,401 | 355992,688 | 178,353 | M6 |
| 2531 | 9529241,921 | 356007,829 | 178,465 | M5 |
| 2532 | 9529254,731 | 356023,371 | 178,690 | M4 |
| 2533 | 9529267,440 | 356038,595 | 178,492 | M3 |
| 2534 | 9529280,005 | 356053,955 | 178,245 | M2 |
| 2535 | 9529292,510 | 356068,975 | 177,645 | M1 |
| 2536 | 9529317,852 | 356099,688 | 175,763 | J1 |
| 2537 | 9529330,056 | 356114,500 | 174,101 | J2 |
| 2538 | 9529342,626 | 356129,715 | 174,923 | J3 |
| 2539 | 9529355,294 | 356145,172 | 174,632 | J4 |
| 2540 | 9529367,963 | 356160,612 | 174,865 | J5 |
| 2541 | 9529380,525 | 356175,845 | 174,913 | J6 |
| 2542 | 9529392,287 | 356190,088 | 174,808 | J7 |
| 2543 | 9529404,320 | 356203,544 | 175,313 | J8 |
| 2544 | 9529399,580 | 356164,447 | 173,768 | J6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2545 | 9529386,110 | 356149,316 | 173,919 | J5 |
| 2546 | 9529372,917 | 356134,090 | 173,537 | J4 |
| 2547 | 9529360,126 | 356118,565 | 173,472 | J3 |
| 2548 | 9529346,678 | 356102,942 | 175,130 | J2 |
| 2549 | 9529333,394 | 356087,298 | 175,842 | J1 |
| 2550 | 9529307,813 | 356056,333 | 176,962 | M1 |
| 2551 | 9529295,262 | 356040,866 | 177,577 | M2 |
| 2552 | 9529282,488 | 356025,437 | 177,896 | M3 |
| 2553 | 9529269,619 | 356009,907 | 178,165 | M4 |
| 2554 | 9529256,670 | 355994,524 | 177,653 | M5 |
| 2555 | 9529243,941 | 355979,111 | 177,522 | M6 |
| 2556 | 9529231,150 | 355963,516 | 177,791 | M7 |
| 2557 | 9529218,558 | 355948,297 | 177,375 | M8 |
| 2558 | 9529234,781 | 355935,636 | 176,533 | M8 |
| 2559 | 9529247,298 | 355951,108 | 176,939 | M7 |
| 2560 | 9529260,138 | 355966,795 | 176,973 | M6 |
| 2561 | 9529272,631 | 355981,972 | 177,232 | M5 |
| 2562 | 9529285,265 | 355997,646 | 177,186 | M4 |
| 2563 | 9529297,985 | 356012,904 | 177,288 | M3 |
| 2564 | 9529310,655 | 356028,209 | 177,134 | M2 |
| 2565 | 9529323,238 | 356043,685 | 176,939 | M1 |
| 2566 | 9529348,625 | 356074,411 | 175,898 | J1 |
| 2567 | 9529361,347 | 356089,921 | 175,205 | J2 |
| 2568 | 9529373,954 | 356105,108 | 174,553 | J3 |
| 2569 | 9529386,680 | 356120,543 | 173,789 | J4 |
| 2570 | 9529399,057 | 356135,641 | 172,672 | J5 |
| 2571 | 9529415,274 | 356123,393 | 172,784 | J5 |
| 2572 | 9529402,414 | 356107,839 | 174,137 | J4 |
| 2573 | 9529389,652 | 356092,357 | 174,837 | J3 |
| 2574 | 9529376,901 | 356077,131 | 175,582 | J2 |
| 2575 | 9529363,992 | 356061,489 | 176,078 | J1 |
| 2576 | 9529338,403 | 356030,706 | 176,886 | M1 |
| 2577 | 9529324,698 | 356014,674 | 176,987 | M2 |
| 2578 | 9529277,885 | 355925,764 | 175,307 | M7 |
| 2579 | 9529290,504 | 355941,304 | 175,490 | M6 |
| 2580 | 9529303,271 | 355956,652 | 175,688 | M5 |
| 2581 | 9529315,998 | 355971,945 | 176,211 | M4 |
| 2582 | 9529328,691 | 355987,372 | 176,661 | M3 |
| 2583 | 9529353,981 | 356017,964 | 177,390 | M1 |
| 2584 | 9529379,311 | 356048,749 | 176,564 | J1 |
| 2585 | 9529391,670 | 356063,913 | 176,078 | J2 |
| 2586 | 9529404,114 | 356078,909 | 175,357 | J3 |
| 2587 | 9529416,789 | 356094,254 | 174,538 | J4 |
| 2588 | 9529429,508 | 356109,685 | 173,705 | J5 |
| 2589 | 9529442,512 | 356125,455 | 173,149 | J6 |
| 2590 | 9529484,202 | 356144,178 | 172,093 | J8 |
| 2591 | 9529471,269 | 356128,791 | 172,746 | J7 |
| 2592 | 9529458,440 | 356113,394 | 173,426 | J6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2593 | 9529445,698 | 356097,990 | 174,329 | J5 |
| 2594 | 9529432,883 | 356082,536 | 175,092 | J4 |
| 2595 | 9529420,116 | 356067,059 | 175,817 | J3 |
| 2596 | 9529407,384 | 356051,589 | 176,551 | J2 |
| 2597 | 9529394,634 | 356036,123 | 177,189 | J1 |
| 2598 | 9529369,464 | 356005,403 | 178,307 | M1 |
| 2599 | 9529356,531 | 355989,788 | 178,046 | M2 |
| 2600 | 9529343,811 | 355974,351 | 177,599 | M3 |
| 2601 | 9529330,793 | 355958,766 | 176,880 | M4 |
| 2602 | 9529318,401 | 355942,773 | 175,555 | M5 |
| 2603 | 9529305,764 | 355927,191 | 174,846 | M6 |
| 2604 | 9529293,102 | 355911,633 | 174,372 | M7 |
| 2605 | 9529280,310 | 355896,080 | 174,557 | M8 |
| 2606 | 9529298,601 | 355885,326 | 173,510 | M8 |
| 2607 | 9529310,765 | 355900,649 | 174,265 | M7 |
| 2608 | 9529323,293 | 355916,151 | 175,100 | M6 |
| 2609 | 9529335,857 | 355931,448 | 176,023 | M5 |
| 2610 | 9529348,144 | 355946,558 | 177,398 | M4 |
| 2611 | 9529359,864 | 355961,122 | 178,578 | M3 |
| 2612 | 9529372,306 | 355976,780 | 179,146 | M2 |
| 2613 | 9529384,913 | 355992,326 | 179,193 | M1 |
| 2614 | 9529409,901 | 356023,438 | 178,025 | J1 |
| 2615 | 9529422,642 | 356039,024 | 176,880 | J2 |
| 2616 | 9529435,241 | 356054,512 | 176,253 | J3 |
| 2617 | 9529448,005 | 356070,336 | 175,627 | J4 |
| 2618 | 9529460,602 | 356085,594 | 174,346 | J5 |
| 2619 | 9529472,562 | 356100,422 | 174,539 | J6 |
| 2620 | 9529485,166 | 356115,915 | 173,972 | J7 |
| 2621 | 9529498,111 | 356131,067 | 173,387 | J8 |
| 2622 | 9529530,546 | 356107,667 | 174,707 | J8 |
| 2623 | 9529464,474 | 356056,947 | 175,687 | J4 |
| 2624 | 9529451,012 | 356041,567 | 176,829 | J3 |
| 2625 | 9529437,999 | 356026,394 | 177,299 | J2 |
| 2626 | 9529425,090 | 356011,191 | 178,537 | J1 |
| 2627 | 9529399,584 | 355980,562 | 179,612 | M1 |
| 2628 | 9529386,773 | 355965,059 | 179,499 | M2 |
| 2629 | 9529373,832 | 355949,798 | 178,427 | M3 |
| 2630 | 9529360,987 | 355934,581 | 176,827 | M4 |
| 2631 | 9529348,025 | 355919,111 | 176,012 | M5 |
| 2632 | 9529335,288 | 355903,582 | 175,146 | M6 |
| 2633 | 9529322,170 | 355888,250 | 174,272 | M7 |
| 2634 | 9529309,379 | 355872,898 | 173,434 | M8 |
| 2635 | 9529326,918 | 355861,733 | 173,730 | M8 |
| 2636 | 9529339,791 | 355876,908 | 174,685 | M7 |
| 2637 | 9529352,052 | 355892,076 | 175,513 | M6 |
| 2638 | 9529415,048 | 355874,418 | 177,223 | M5 |
| 2639 | 9529457,332 | 355880,195 | 178,860 | M1 |
| 2640 | 9529497,445 | 355877,624 | 180,252 | J4 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2641 | 9529498,709 | 355895,108 | 180,958 | J1 |
| 2642 | 9529518,592 | 355893,916 | 182,119 | J2 |
| 2643 | 9529576,349 | 355872,472 | 182,808 | J5 |
| 2644 | 9529578,083 | 355888,556 | 183,249 | J5 |
| 2645 | 9529597,796 | 355887,017 | 183,347 | J6 |
| 2646 | 9529596,254 | 355871,042 | 184,192 | J6 |
| 2647 | 9529616,097 | 355869,779 | 185,436 | J7 |
| 2648 | 9529617,569 | 355885,060 | 184,353 | J7 |
| 2649 | 9529636,531 | 355883,188 | 184,647 | J8 |
| 2650 | 9529635,519 | 355868,321 | 185,899 | J8 |
| 2651 | 9529620,365 | 355850,389 | 186,253 | J8 |
| 2652 | 9529601,183 | 355851,557 | 184,815 | J7 |
| 2653 | 9529584,317 | 355851,975 | 182,473 | J6 |
| 2654 | 9529567,090 | 355852,754 | 180,568 | J5 |
| 2655 | 9529548,976 | 355854,386 | 180,465 | J4 |
| 2656 | 9529530,875 | 355855,928 | 179,702 | J3 |
| 2657 | 9529513,694 | 355856,771 | 180,174 | J2 |
| 2658 | 9529496,131 | 355857,597 | 179,669 | J1 |
| 2659 | 9529456,413 | 355860,245 | 177,460 | M1 |
| 2660 | 9529436,597 | 355861,640 | 176,974 | M2 |
| 2661 | 9529402,462 | 355858,917 | 176,369 | M6 |
| 2662 | 9529395,445 | 355844,707 | 175,961 | M7 |
| 2663 | 9528861,996 | 356427,142 | 184,397 | M1 |
| 2664 | 9528846,529 | 356441,469 | 183,983 | M1 |
| 2665 | 9528789,380 | 356385,570 | 184,123 | M2 |
| 2666 | 9528808,008 | 356368,694 | 184,715 | M2 |
| 2667 | 9528821,480 | 356383,247 | 185,129 | M3 |
| 2668 | 9528803,617 | 356399,510 | 184,478 | M3 |
| 2669 | 9528850,760 | 356383,689 | 184,697 | M3 |
| 2670 | 9528834,181 | 356398,845 | 184,478 | M4 |
| 2671 | 9528817,602 | 356414,001 | 184,259 | M4 |
| 2672 | 9528848,004 | 356411,840 | 184,492 | M5 |
| 2673 | 9528831,996 | 356427,160 | 184,155 | M5 |
| 2674 | 9528811,396 | 356339,538 | 184,174 | M6 |
| 2675 | 9528792,850 | 356355,991 | 183,718 | M6 |
| 2676 | 9528774,305 | 356372,444 | 183,262 | M6 |
| 2677 | 9528798,103 | 356324,674 | 183,785 | M7 |
| 2678 | 9528778,985 | 356341,593 | 183,120 | M7 |
| 2679 | 9528759,868 | 356358,512 | 182,456 | M7 |
| 2680 | 9528784,606 | 356310,285 | 183,066 | M8 |
| 2681 | 9528764,978 | 356327,541 | 182,531 | M8 |
| 2682 | 9528745,349 | 356344,796 | 181,997 | M8 |
| 2683 | 9529415,040 | 355222,479 | 159,320 | M1 |
| 2684 | 9529396,162 | 355223,657 | 159,874 | M2 |
| 2685 | 9529376,663 | 355225,108 | 159,500 | M3 |
| 2686 | 9529356,591 | 355226,447 | 158,965 | M4 |
| 2687 | 9529336,536 | 355227,620 | 158,783 | M5 |
| 2688 | 9529315,878 | 355229,255 | 158,698 | M6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2689 | 9529294,772 | 355230,876 | 158,734 | M7 |
| 2690 | 9529295,675 | 355210,300 | 157,859 | M7 |
| 2691 | 9529315,340 | 355209,005 | 157,763 | M6 |
| 2692 | 9529334,951 | 355207,585 | 158,008 | M5 |
| 2693 | 9529355,000 | 355206,254 | 158,448 | M4 |
| 2694 | 9529374,868 | 355205,019 | 158,653 | M3 |
| 2695 | 9529393,854 | 355203,753 | 158,536 | M2 |
| 2696 | 9529413,637 | 355202,514 | 158,295 | M1 |
| 2697 | 9529453,867 | 355200,022 | 157,550 | J1 |
| 2698 | 9529471,716 | 355198,848 | 157,456 | J2 |
| 2699 | 9529489,310 | 355197,428 | 157,378 | J3 |
| 2700 | 9529506,863 | 355196,265 | 157,063 | J4 |
| 2701 | 9529524,000 | 355195,132 | 156,694 | J5 |
| 2702 | 9529540,693 | 355193,905 | 155,918 | J6 |
| 2703 | 9529557,762 | 355192,876 | 154,729 | J7 |
| 2704 | 9529561,937 | 355192,620 | 153,923 | PC |
| 2705 | 9529574,070 | 355191,982 | 154,419 | J8 |
| 2706 | 9529580,496 | 355172,636 | 154,194 | PC |
| 2707 | 9529575,838 | 355173,424 | 153,523 | PC |
| 2708 | 9529572,937 | 355174,530 | 153,567 | J8 |
| 2709 | 9529566,095 | 355173,600 | 155,011 | PC |
| 2710 | 9529548,500 | 355173,975 | 156,055 | J7 |
| 2711 | 9529532,380 | 355174,922 | 156,385 | J6 |
| 2712 | 9529516,390 | 355176,081 | 156,598 | J5 |
| 2713 | 9529500,536 | 355177,167 | 156,820 | J4 |
| 2714 | 9529484,538 | 355178,157 | 156,650 | J3 |
| 2715 | 9529468,324 | 355179,134 | 156,600 | J2 |
| 2716 | 9529452,298 | 355179,993 | 156,791 | J1 |
| 2717 | 9529412,449 | 355182,649 | 156,913 | M1 |
| 2718 | 9529394,576 | 355183,661 | 157,097 | M2 |
| 2719 | 9529375,081 | 355184,834 | 157,390 | M3 |
| 2720 | 9529354,840 | 355186,098 | 157,346 | M4 |
| 2721 | 9529334,821 | 355187,676 | 157,383 | M5 |
| 2722 | 9529315,758 | 355188,888 | 157,204 | M6 |
| 2723 | 9529295,901 | 355190,309 | 156,961 | M7 |
| 2724 | 9529274,864 | 355191,956 | 156,858 | M8 |
| 2725 | 9529270,561 | 355169,479 | 155,816 | M8 |
| 2726 | 9529291,988 | 355169,671 | 155,663 | M7 |
| 2727 | 9529312,494 | 355168,394 | 156,603 | M6 |
| 2728 | 9529332,443 | 355167,053 | 156,682 | M5 |
| 2729 | 9529353,010 | 355165,952 | 156,741 | M4 |
| 2730 | 9529373,040 | 355164,937 | 156,616 | M3 |
| 2731 | 9529392,953 | 355163,822 | 156,492 | M2 |
| 2732 | 9529411,122 | 355162,800 | 156,482 | M1 |
| 2733 | 9529450,821 | 355160,202 | 155,753 | J1 |
| 2734 | 9529468,391 | 355159,148 | 154,952 | J2 |
| 2735 | 9529486,000 | 355157,917 | 156,281 | J3 |
| 2736 | 9529503,616 | 355156,742 | 156,119 | J4 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2737 | 9529520,416 | 355155,475 | 156,068 | J5 |
| 2738 | 9529537,825 | 355154,380 | 155,890 | J6 |
| 2739 | 9529554,245 | 355153,473 | 155,814 | J7 |
| 2740 | 9529570,795 | 355152,195 | 155,681 | J8 |
| 2741 | 9529563,467 | 355132,494 | 153,962 | J8 |
| 2742 | 9529545,990 | 355133,603 | 154,054 | J7 |
| 2743 | 9529529,289 | 355134,928 | 153,994 | J6 |
| 2744 | 9529513,469 | 355135,985 | 154,110 | J5 |
| 2745 | 9529497,078 | 355137,198 | 154,316 | J4 |
| 2746 | 9529481,684 | 355138,275 | 154,109 | J3 |
| 2747 | 9529466,295 | 355139,347 | 154,327 | J2 |
| 2748 | 9529449,761 | 355140,100 | 155,110 | J1 |
| 2749 | 9529410,022 | 355142,621 | 155,714 | M1 |
| 2750 | 9529389,855 | 355144,014 | 155,932 | M2 |
| 2751 | 9529369,440 | 355145,453 | 155,841 | M3 |
| 2752 | 9529349,215 | 355146,857 | 155,820 | M4 |
| 2753 | 9529329,405 | 355148,057 | 156,084 | M5 |
| 2754 | 9529309,488 | 355149,563 | 155,936 | M6 |
| 2755 | 9529288,791 | 355151,071 | 155,678 | M7 |
| 2756 | 9529267,882 | 355152,741 | 154,758 | M8 |
| 2757 | 9529272,999 | 355132,305 | 155,409 | M8 |
| 2758 | 9529295,053 | 355129,864 | 154,842 | PC |
| 2759 | 9529327,155 | 355127,816 | 155,065 | M5 |
| 2760 | 9529347,512 | 355127,056 | 154,211 | M4 |
| 2761 | 9529368,256 | 355125,651 | 154,763 | M3 |
| 2762 | 9529388,239 | 355124,057 | 154,776 | M2 |
| 2763 | 9529408,666 | 355122,579 | 154,450 | M1 |
| 2764 | 9529448,213 | 355120,104 | 153,700 | J1 |
| 2765 | 9529464,943 | 355119,228 | 153,180 | J2 |
| 2766 | 9529482,331 | 355118,237 | 151,666 | J3 |
| 2767 | 9529498,392 | 355116,571 | 152,051 | J4 |
| 2768 | 9529514,132 | 355115,629 | 152,795 | J5 |
| 2769 | 9529531,199 | 355114,497 | 153,213 | J6 |
| 2770 | 9529548,451 | 355113,341 | 152,695 | J7 |
| 2771 | 9529564,464 | 355113,377 | 153,362 | J8 |
| 2772 | 9529575,912 | 355090,461 | 150,857 | J8 |
| 2773 | 9529556,907 | 355092,633 | 151,084 | J7 |
| 2774 | 9529537,124 | 355094,220 | 151,752 | J6 |
| 2775 | 9529517,809 | 355095,334 | 152,546 | J5 |
| 2776 | 9529497,935 | 355096,549 | 152,357 | J4 |
| 2777 | 9529479,701 | 355097,528 | 151,791 | J3 |
| 2778 | 9529462,371 | 355098,413 | 151,708 | J2 |
| 2779 | 9529447,058 | 355099,427 | 151,416 | J1 |
| 2780 | 9529407,222 | 355101,923 | 152,130 | M1 |
| 2781 | 9529387,097 | 355102,551 | 152,102 | M2 |
| 2782 | 9529365,567 | 355104,055 | 152,114 | M3 |
| 2783 | 9529345,446 | 355105,483 | 154,428 | M4 |
| 2784 | 9529322,164 | 355107,437 | 154,660 | M5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2785 | 9529300,263 | 355109,722 | 154,854 | M6 |
| 2786 | 9529279,869 | 355112,206 | 153,063 | M7 |
| 2787 | 9529404,182 | 355056,882 | 150,389 | M1 |
| 2788 | 9529384,180 | 355057,955 | 150,740 | M2 |
| 2789 | 9529364,473 | 355061,527 | 151,274 | M3 |
| 2790 | 9529344,643 | 355064,779 | 151,649 | M4 |
| 2791 | 9529320,112 | 355041,219 | 150,722 | M5 |
| 2792 | 9529340,534 | 355038,948 | 150,912 | M4 |
| 2793 | 9529361,324 | 355039,519 | 150,111 | M3 |
| 2794 | 9529381,212 | 355037,357 | 150,604 | M2 |
| 2795 | 9529399,619 | 355035,968 | 152,076 | PC |
| 2796 | 9529402,870 | 355036,266 | 152,320 | M1 |
| 2797 | 9529444,482 | 355033,424 | 153,117 | J1 |
| 2798 | 9529466,378 | 355032,610 | 150,991 | J2 |
| 2799 | 9529483,999 | 355032,212 | 150,682 | J3 |
| 2800 | 9529500,603 | 355031,666 | 150,491 | J4 |
| 2801 | 9529541,893 | 355006,993 | 154,482 | J6 |
| 2802 | 9529521,382 | 355007,415 | 151,642 | J5 |
| 2803 | 9529500,123 | 355009,175 | 150,818 | J4 |
| 2804 | 9529479,894 | 355010,847 | 150,241 | J3 |
| 2805 | 9529460,350 | 355012,150 | 152,000 | J2 |
| 2806 | 9529401,749 | 355016,382 | 153,949 | M1 |
| 2807 | 9529381,288 | 355017,617 | 152,962 | M2 |
| 2808 | 9529361,068 | 355019,358 | 152,784 | M3 |
| 2809 | 9529340,038 | 355020,777 | 153,647 | M4 |
| 2810 | 9529318,123 | 355022,522 | 153,091 | M5 |
| 2811 | 9529298,223 | 355025,149 | 151,320 | M6 |
| 2812 | 9529279,156 | 355028,205 | 150,105 | M7 |
| 2813 | 9529318,900 | 355001,643 | 156,059 | M5 |
| 2814 | 9529339,957 | 355000,067 | 155,665 | M4 |
| 2815 | 9529360,834 | 354998,828 | 155,392 | M3 |
| 2816 | 9529380,444 | 354997,271 | 155,556 | M2 |
| 2817 | 9529400,360 | 354996,484 | 155,731 | M1 |
| 2818 | 9529440,222 | 354993,641 | 152,322 | J1 |
| 2819 | 9529481,831 | 354990,959 | 152,241 | J3 |
| 2820 | 9529501,206 | 354991,496 | 153,993 | J4 |
| 2821 | 9529522,467 | 354992,395 | 155,002 | J5 |
| 2822 | 9529544,415 | 354992,965 | 155,931 | J6 |
| 2823 | 9529556,788 | 354993,080 | 155,666 | J7 |
| 2824 | 9529577,380 | 354993,340 | 155,435 | J8 |
| 2825 | 9529583,647 | 354967,414 | 156,191 | J8 |
| 2826 | 9529562,714 | 354967,891 | 156,561 | J7 |
| 2827 | 9529542,145 | 354968,906 | 156,928 | J6 |
| 2828 | 9529520,634 | 354969,883 | 157,129 | J5 |
| 2829 | 9529499,190 | 354971,388 | 157,024 | J4 |
| 2830 | 9529478,573 | 354972,057 | 155,724 | J3 |
| 2831 | 9529458,830 | 354973,341 | 156,339 | J2 |
| 2832 | 9529438,979 | 354974,261 | 155,633 | J1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2833 | 9529399,218 | 354976,311 | 156,572 | M1 |
| 2834 | 9529379,465 | 354977,405 | 155,924 | M2 |
| 2835 | 9529359,654 | 354978,446 | 154,515 | M3 |
| 2836 | 9529338,933 | 354979,680 | 157,307 | M4 |
| 2837 | 9529317,344 | 354981,788 | 159,494 | M5 |
| 2838 | 9529316,264 | 354961,924 | 162,934 | M5 |
| 2839 | 9529337,183 | 354960,590 | 158,151 | M4 |
| 2840 | 9529357,751 | 354959,248 | 156,739 | M3 |
| 2841 | 9529377,887 | 354958,002 | 157,782 | M2 |
| 2842 | 9529397,871 | 354956,747 | 158,034 | M1 |
| 2843 | 9529437,430 | 354954,133 | 158,113 | J1 |
| 2844 | 9529457,734 | 354953,002 | 158,625 | J2 |
| 2845 | 9529478,332 | 354951,473 | 158,125 | J3 |
| 2846 | 9529498,977 | 354950,226 | 158,401 | J4 |
| 2847 | 9529519,650 | 354948,848 | 158,459 | J5 |
| 2848 | 9529540,667 | 354947,245 | 157,939 | J6 |
| 2849 | 9529561,817 | 354945,888 | 157,521 | J7 |
| 2850 | 9529582,999 | 354944,465 | 156,997 | J8 |
| 2851 | 9529581,345 | 354926,960 | 157,864 | J8 |
| 2852 | 9529557,912 | 354931,120 | 158,147 | J7 |
| 2853 | 9529536,553 | 354931,656 | 158,440 | J6 |
| 2854 | 9529516,604 | 354931,601 | 159,126 | J5 |
| 2855 | 9529495,911 | 354932,152 | 159,330 | J4 |
| 2856 | 9529475,878 | 354932,484 | 159,222 | J3 |
| 2857 | 9529455,863 | 354933,020 | 160,154 | J2 |
| 2858 | 9529436,334 | 354934,165 | 159,896 | J1 |
| 2859 | 9529396,290 | 354936,683 | 160,122 | M1 |
| 2860 | 9529375,618 | 354938,031 | 159,346 | M2 |
| 2861 | 9529355,226 | 354939,036 | 158,924 | M3 |
| 2862 | 9529334,789 | 354941,044 | 158,929 | M4 |
| 2863 | 9529313,587 | 354943,124 | 161,326 | M5 |
| 2864 | 9529269,009 | 354929,075 | 160,966 | M7 |
| 2865 | 9529289,586 | 354927,160 | 162,670 | M6 |
| 2866 | 9529308,861 | 354923,450 | 161,002 | M5 |
| 2867 | 9529332,515 | 354920,431 | 159,857 | M4 |
| 2868 | 9529353,387 | 354919,292 | 161,292 | M3 |
| 2869 | 9529375,074 | 354918,180 | 162,873 | M2 |
| 2870 | 9529394,923 | 354916,963 | 162,418 | M1 |
| 2871 | 9529434,965 | 354914,156 | 162,161 | J1 |
| 2872 | 9529454,941 | 354912,784 | 162,084 | J2 |
| 2873 | 9529475,410 | 354911,307 | 161,325 | J3 |
| 2874 | 9529496,591 | 354910,024 | 160,686 | J4 |
| 2875 | 9529517,126 | 354908,734 | 160,259 | J5 |
| 2876 | 9529538,037 | 354907,458 | 159,555 | J6 |
| 2877 | 9529559,303 | 354905,809 | 158,849 | J7 |
| 2878 | 9529581,109 | 354904,788 | 158,350 | J8 |
| 2879 | 9529579,809 | 354881,194 | 158,897 | J8 |
| 2880 | 9529558,010 | 354883,328 | 159,430 | J7 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2881 | 9529514,620 | 354887,698 | 161,206 | J5 |
| 2882 | 9529493,457 | 354890,043 | 162,032 | J4 |
| 2883 | 9529469,899 | 354891,907 | 162,693 | J3 |
| 2884 | 9529453,769 | 354892,827 | 164,207 | J2 |
| 2885 | 9529433,726 | 354894,297 | 165,110 | J1 |
| 2886 | 9529393,932 | 354896,897 | 164,566 | M1 |
| 2887 | 9529371,763 | 354898,459 | 164,897 | M2 |
| 2888 | 9529349,555 | 354900,036 | 163,743 | M3 |
| 2889 | 9529283,128 | 354905,007 | 164,202 | M6 |
| 2890 | 9529260,906 | 354906,729 | 162,706 | M7 |
| 2891 | 9529241,437 | 354890,729 | 163,001 | M8 |
| 2892 | 9529264,252 | 354887,681 | 165,072 | M7 |
| 2893 | 9529286,268 | 354885,524 | 164,739 | M6 |
| 2894 | 9529308,380 | 354883,692 | 163,631 | M5 |
| 2895 | 9529330,293 | 354881,619 | 162,916 | M4 |
| 2896 | 9529351,308 | 354880,591 | 164,887 | M3 |
| 2897 | 9529371,670 | 354878,912 | 166,356 | M2 |
| 2898 | 9529392,480 | 354877,327 | 166,938 | M1 |
| 2899 | 9529432,384 | 354874,455 | 166,396 | J1 |
| 2900 | 9529453,736 | 354872,768 | 164,463 | J2 |
| 2901 | 9529474,754 | 354871,148 | 162,991 | J3 |
| 2902 | 9529496,075 | 354869,562 | 162,170 | J4 |
| 2903 | 9529517,954 | 354868,055 | 161,790 | J5 |
| 2904 | 9529539,195 | 354866,247 | 161,591 | J6 |
| 2905 | 9529560,786 | 354864,589 | 160,130 | J7 |
| 2906 | 9529581,863 | 354862,996 | 158,861 | J8 |
| 2907 | 9529486,159 | 355943,702 | 180,282 | PC |
| 2908 | 9529491,383 | 355947,249 | 180,243 | PC |
| 2913 | 9529550,146 | 355993,966 | 178,108 | PC |
| 2914 | 9529563,787 | 356001,810 | 177,474 | J5 |
| 2915 | 9529584,147 | 355988,378 | 177,190 | PC |
| 2916 | 9529572,936 | 355983,886 | 177,808 | J5 |
| 2917 | 9529562,078 | 355976,788 | 178,402 | J4 |
| 2918 | 9529550,160 | 355973,047 | 178,747 | PC |
| 2919 | 9529541,987 | 355968,827 | 179,151 | PC |
| 2920 | 9529531,325 | 355964,192 | 179,680 | J3 |
| 2921 | 9529518,703 | 355957,955 | 180,091 | J2 |
| 2923 | 9529500,884 | 355942,233 | 180,552 | J1 |
| 2924 | 9529517,354 | 355948,029 | 180,543 | PC |
| 2925 | 9529530,946 | 355951,329 | 180,577 | PC |
| 2926 | 9529557,597 | 355957,648 | 179,326 | PC |
| 2927 | 9529570,613 | 355961,565 | 178,841 | PC |
| 2928 | 9529570,789 | 355942,998 | 179,434 | PC |
| 2929 | 9529558,133 | 355942,864 | 179,746 | PC |
| 2930 | 9529539,177 | 355940,239 | 180,812 | PC |
| 2931 | 9529541,962 | 355929,954 | 180,951 | J3 |
| 2932 | 9529553,879 | 355921,949 | 180,693 | PC |
| 2933 | 9529567,893 | 355919,772 | 180,563 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2934 | 9529580,266 | 355924,896 | 180,105 | J5 |
| 2935 | 9529597,050 | 355933,610 | 179,580 | PC |
| 2936 | 9529611,103 | 355940,031 | 179,169 | PC |
| 2937 | 9529607,155 | 355929,802 | 179,716 | PC |
| 2938 | 9529625,509 | 355927,037 | 179,776 | PC |
| 2939 | 9529623,826 | 355909,910 | 181,104 | PC |
| 2940 | 9529608,834 | 355916,475 | 180,668 | PC |
| 2941 | 9529595,403 | 355907,892 | 181,526 | PC |
| 2942 | 9529577,380 | 355899,655 | 182,079 | PC |
| 2943 | 9529559,108 | 355909,003 | 181,392 | J4 |
| 2944 | 9529541,772 | 355903,539 | 181,846 | PC |
| 2945 | 9529532,954 | 355906,531 | 182,185 | PC |
| 2947 | 9529496,834 | 355912,356 | 180,705 | PC |
| 2948 | 9529461,239 | 355915,712 | 180,209 | M1 |
| 2949 | 9529453,312 | 355920,861 | 180,032 | M2 |
| 2950 | 9529456,649 | 354867,598 | 163,991 | J2 |
| 2951 | 9529438,105 | 354859,573 | 166,449 | J1 |
| 2952 | 9529401,433 | 354844,012 | 169,492 | M1 |
| 2953 | 9529382,184 | 354836,060 | 169,975 | M2 |
| 2954 | 9529362,900 | 354827,821 | 169,413 | M3 |
| 2955 | 9529343,722 | 354819,360 | 169,719 | M4 |
| 2956 | 9529323,516 | 354811,587 | 170,596 | M5 |
| 2957 | 9529304,745 | 354802,902 | 171,567 | M6 |
| 2958 | 9529284,704 | 354794,542 | 171,902 | M7 |
| 2959 | 9529270,777 | 354771,148 | 170,405 | M8 |
| 2960 | 9529291,789 | 354778,713 | 170,981 | M7 |
| 2961 | 9529312,110 | 354786,367 | 170,937 | M6 |
| 2962 | 9529331,669 | 354794,375 | 170,907 | M5 |
| 2963 | 9529351,494 | 354802,278 | 169,879 | M4 |
| 2964 | 9529370,594 | 354809,796 | 170,001 | M3 |
| 2965 | 9529390,150 | 354817,822 | 170,558 | M2 |
| 2966 | 9529409,334 | 354825,772 | 169,470 | M1 |
| 2967 | 9529445,868 | 354841,288 | 164,515 | J1 |
| 2968 | 9529465,750 | 354849,490 | 161,947 | J2 |
| 2969 | 9529484,733 | 354857,038 | 161,309 | J3 |
| 2970 | 9529505,058 | 354865,458 | 161,916 | J4 |
| 2971 | 9529527,281 | 354852,638 | 161,881 | J5 |
| 2972 | 9529510,824 | 354846,563 | 161,089 | J4 |
| 2973 | 9529491,567 | 354839,354 | 159,409 | J3 |
| 2974 | 9529472,273 | 354831,081 | 160,110 | J2 |
| 2975 | 9529453,578 | 354823,045 | 162,000 | J1 |
| 2976 | 9529417,031 | 354807,626 | 167,901 | M1 |
| 2977 | 9529399,081 | 354800,202 | 168,547 | M2 |
| 2978 | 9529379,113 | 354791,616 | 168,670 | M3 |
| 2979 | 9529359,923 | 354783,697 | 168,426 | M4 |
| 2980 | 9529342,047 | 354775,769 | 168,852 | M5 |
| 2981 | 9529324,506 | 354768,699 | 168,623 | M6 |
| 2982 | 9529307,049 | 354760,875 | 168,857 | M7 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2983 | 9529289,225 | 354753,349 | 169,460 | M8 |
| 2984 | 9529290,168 | 354732,952 | 168,233 | M7 |
| 2985 | 9529309,885 | 354741,566 | 166,731 | M6 |
| 2986 | 9529329,411 | 354749,847 | 166,435 | M5 |
| 2987 | 9529348,999 | 354757,885 | 167,599 | M4 |
| 2988 | 9529387,253 | 354773,542 | 167,645 | M3 |
| 2989 | 9529405,774 | 354781,297 | 166,127 | M2 |
| 2990 | 9529424,604 | 354789,257 | 164,540 | M1 |
| 2991 | 9529461,324 | 354804,762 | 160,663 | J1 |
| 2992 | 9529478,635 | 354812,500 | 159,190 | J2 |
| 2993 | 9529496,178 | 354819,497 | 157,853 | PC |
| 2994 | 9529498,410 | 354820,878 | 158,233 | J3 |
| 2995 | 9529514,160 | 354826,960 | 160,001 | J4 |
| 2996 | 9529530,677 | 354833,921 | 160,421 | J5 |
| 2997 | 9529547,153 | 354841,619 | 160,656 | J6 |
| 2998 | 9529564,958 | 354849,918 | 159,981 | J7 |
| 2999 | 9529582,095 | 354858,143 | 158,838 | J8 |
| 3000 | 9529590,087 | 354835,352 | 157,426 | J8 |
| 3001 | 9529602,308 | 354818,895 | 156,671 | J8 |
| 3002 | 9529573,795 | 354828,652 | 158,706 | J7 |
| 3003 | 9529556,769 | 354822,113 | 158,439 | J6 |
| 3004 | 9529538,786 | 354815,409 | 158,174 | J5 |
| 3005 | 9529521,483 | 354808,262 | 157,839 | J4 |
| 3006 | 9529512,646 | 354804,565 | 156,211 | PC |
| 3007 | 9529504,435 | 354801,368 | 157,216 | J3 |
| 3008 | 9529487,292 | 354794,466 | 158,129 | J2 |
| 3009 | 9529469,137 | 354786,394 | 159,697 | J1 |
| 3010 | 9529413,438 | 354762,642 | 163,215 | M2 |
| 3011 | 9529393,305 | 354754,108 | 165,495 | M3 |
| 3012 | 9529373,359 | 354746,159 | 166,902 | M4 |
| 3013 | 9529352,229 | 354736,956 | 167,066 | M5 |
| 3014 | 9529332,993 | 354728,725 | 164,813 | M6 |
| 3015 | 9529313,263 | 354720,510 | 165,361 | M7 |
| 3016 | 9529294,614 | 354713,404 | 166,086 | M8 |
| 3017 | 9529304,514 | 354696,658 | 164,085 | M8 |
| 3018 | 9529323,981 | 354704,956 | 162,957 | M7 |
| 3019 | 9529343,859 | 354713,002 | 164,589 | M6 |
| 3020 | 9529363,689 | 354721,321 | 165,570 | M5 |
| 3021 | 9529383,028 | 354728,983 | 164,200 | M4 |
| 3022 | 9529402,379 | 354737,071 | 162,122 | M3 |
| 3023 | 9529421,201 | 354744,991 | 160,346 | M2 |
| 3024 | 9529439,932 | 354752,832 | 159,807 | M1 |
| 3025 | 9529477,007 | 354768,118 | 158,070 | J1 |
| 3026 | 9529494,571 | 354775,184 | 157,423 | J2 |
| 3027 | 9529511,897 | 354782,548 | 155,920 | J3 |
| 3028 | 9529529,987 | 354789,809 | 155,620 | J4 |
| 3029 | 9529547,708 | 354796,796 | 157,047 | J5 |
| 3030 | 9529565,415 | 354804,299 | 157,151 | J6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3031 | 9529583,243 | 354811,286 | 156,978 | J7 |
| 3032 | 9529602,000 | 354801,245 | 155,772 | J8 |
| 3033 | 9529583,575 | 354793,182 | 156,621 | J7 |
| 3034 | 9529566,764 | 354785,502 | 156,144 | J6 |
| 3035 | 9529550,024 | 354778,319 | 155,454 | J5 |
| 3036 | 9529533,826 | 354771,083 | 154,352 | J4 |
| 3037 | 9529516,733 | 354764,260 | 155,243 | J3 |
| 3038 | 9529501,385 | 354757,115 | 157,200 | J2 |
| 3039 | 9529484,688 | 354749,875 | 157,521 | J1 |
| 3040 | 9529447,821 | 354734,343 | 157,894 | M1 |
| 3041 | 9529429,603 | 354726,601 | 158,320 | M2 |
| 3042 | 9529410,695 | 354718,180 | 159,800 | M3 |
| 3043 | 9529390,927 | 354709,361 | 161,166 | M4 |
| 3044 | 9529370,778 | 354700,876 | 162,785 | M5 |
| 3045 | 9529351,437 | 354692,325 | 162,420 | M6 |
| 3046 | 9529331,946 | 354683,856 | 161,117 | M7 |
| 3047 | 9529312,914 | 354675,417 | 161,373 | M8 |
| 3048 | 9529324,302 | 354658,206 | 160,223 | M8 |
| 3049 | 9529343,378 | 354666,580 | 160,099 | M7 |
| 3050 | 9529362,634 | 354675,116 | 160,940 | M6 |
| 3051 | 9529381,807 | 354683,916 | 159,736 | M5 |
| 3052 | 9529400,590 | 354692,329 | 158,920 | M4 |
| 3053 | 9529418,632 | 354700,108 | 158,018 | M3 |
| 3054 | 9529437,407 | 354708,813 | 156,734 | M2 |
| 3055 | 9529455,569 | 354716,025 | 156,751 | M1 |
| 3056 | 9529492,299 | 354731,429 | 156,280 | J1 |
| 3057 | 9529508,493 | 354738,628 | 155,425 | J2 |
| 3058 | 9529525,442 | 354745,412 | 154,214 | J3 |
| 3059 | 9529542,640 | 354752,121 | 153,336 | J4 |
| 3060 | 9529559,145 | 354759,568 | 153,190 | J5 |
| 3061 | 9529575,439 | 354767,090 | 154,562 | J6 |
| 3062 | 9529592,878 | 354774,201 | 154,703 | J7 |
| 3063 | 9529610,368 | 354780,571 | 154,323 | J8 |
| 3064 | 9529613,205 | 354762,175 | 153,813 | J8 |
| 3065 | 9529596,224 | 354754,818 | 154,238 | J7 |
| 3066 | 9529579,518 | 354747,847 | 153,513 | J6 |
| 3067 | 9529563,758 | 354741,007 | 152,326 | J5 |
| 3068 | 9529547,715 | 354734,142 | 153,487 | J4 |
| 3069 | 9529531,692 | 354726,615 | 154,375 | J3 |
| 3070 | 9529516,229 | 354720,186 | 154,990 | J2 |
| 3071 | 9529500,093 | 354713,317 | 155,008 | J1 |
| 3072 | 9529462,531 | 354697,895 | 154,353 | M1 |
| 3073 | 9529443,479 | 354690,615 | 156,077 | M2 |
| 3074 | 9529423,461 | 354682,728 | 156,928 | M3 |
| 3075 | 9529404,018 | 354674,481 | 157,806 | M4 |
| 3076 | 9529384,316 | 354666,103 | 158,961 | M5 |
| 3077 | 9529365,082 | 354657,921 | 159,689 | M6 |
| 3078 | 9529345,120 | 354650,125 | 159,160 | M7 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3079 | 9529330,518 | 354620,318 | 157,399 | PC |
| 3080 | 9529350,272 | 354628,599 | 158,225 | M7 |
| 3081 | 9529371,368 | 354637,141 | 158,787 | M6 |
| 3082 | 9529392,331 | 354646,211 | 157,779 | M5 |
| 3083 | 9529411,716 | 354654,761 | 156,872 | M4 |
| 3084 | 9529432,478 | 354663,413 | 156,990 | M3 |
| 3085 | 9529452,147 | 354671,842 | 154,897 | M2 |
| 3086 | 9529470,952 | 354679,600 | 153,997 | M1 |
| 3087 | 9529507,631 | 354695,046 | 152,659 | J1 |
| 3088 | 9529524,535 | 354702,030 | 153,051 | J2 |
| 3089 | 9529540,472 | 354709,078 | 152,957 | J3 |
| 3090 | 9529556,445 | 354716,175 | 152,296 | J4 |
| 3091 | 9529572,902 | 354723,828 | 151,789 | J5 |
| 3092 | 9529623,129 | 354720,848 | 151,051 | J8 |
| 3093 | 9529608,402 | 354715,229 | 151,935 | J7 |
| 3094 | 9529592,592 | 354709,040 | 151,968 | J6 |
| 3095 | 9529577,380 | 354703,142 | 150,449 | J5 |
| 3096 | 9529547,403 | 354690,304 | 150,147 | J3 |
| 3097 | 9529531,247 | 354683,407 | 150,517 | J2 |
| 3098 | 9529515,386 | 354676,656 | 151,634 | J1 |
| 3099 | 9529478,805 | 354661,305 | 152,413 | M1 |
| 3100 | 9529460,166 | 354653,393 | 153,198 | M2 |
| 3101 | 9529441,062 | 354645,635 | 155,008 | M3 |
| 3102 | 9529421,672 | 354637,227 | 155,431 | M4 |
| 3103 | 9529401,921 | 354628,354 | 156,324 | M5 |
| 3104 | 9529384,034 | 354620,035 | 157,292 | M6 |
| 3105 | 9529365,065 | 354613,276 | 157,516 | M7 |
| 3106 | 9529346,412 | 354605,392 | 156,256 | M8 |
| 3107 | 9529354,518 | 354584,420 | 155,701 | M8 |
| 3108 | 9529369,854 | 354592,810 | 156,729 | M7 |
| 3109 | 9529388,124 | 354603,006 | 157,192 | M6 |
| 3110 | 9529409,772 | 354611,431 | 156,502 | M5 |
| 3111 | 9529430,670 | 354620,265 | 155,663 | M4 |
| 3112 | 9529448,826 | 354627,732 | 154,624 | M3 |
| 3113 | 9529467,866 | 354635,930 | 153,683 | M2 |
| 3114 | 9529487,828 | 354643,806 | 152,145 | M1 |
| 3115 | 9529495,914 | 354646,742 | 150,300 | PC |
| 3116 | 9529523,519 | 354658,537 | 153,310 | J1 |
| 3117 | 9529540,071 | 354665,403 | 153,125 | J2 |
| 3118 | 9529556,502 | 354672,334 | 152,943 | J3 |
| 3119 | 9529571,939 | 354679,149 | 152,814 | J4 |
| 3120 | 9529589,242 | 354685,803 | 152,616 | J5 |
| 3121 | 9529605,186 | 354692,153 | 152,245 | J6 |
| 3122 | 9529619,739 | 354698,886 | 151,695 | J7 |
| 3123 | 9529643,892 | 354687,960 | 153,098 | J8 |
| 3124 | 9529627,302 | 354681,198 | 153,339 | J7 |
| 3125 | 9529611,707 | 354674,303 | 153,100 | J6 |
| 3126 | 9529595,338 | 354667,019 | 153,095 | J5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3127 | 9529578,728 | 354660,774 | 153,314 | J4 |
| 3128 | 9529562,596 | 354653,722 | 153,321 | J3 |
| 3129 | 9529546,639 | 354646,987 | 153,564 | J2 |
| 3130 | 9529530,926 | 354639,999 | 153,603 | J1 |
| 3131 | 9529506,837 | 354630,026 | 150,441 | PC |
| 3132 | 9529501,449 | 354627,517 | 150,537 | PC |
| 3133 | 9529494,945 | 354624,747 | 152,360 | M1 |
| 3134 | 9529476,472 | 354617,262 | 153,711 | M2 |
| 3135 | 9529457,572 | 354608,988 | 155,159 | M3 |
| 3136 | 9529437,972 | 354600,753 | 155,996 | M4 |
| 3137 | 9529418,022 | 354591,989 | 156,525 | M5 |
| 3138 | 9529397,718 | 354583,370 | 157,341 | M6 |
| 3139 | 9529377,900 | 354575,129 | 156,546 | M7 |
| 3140 | 9529364,943 | 354569,449 | 155,650 | M8 |
| 3141 | 9529371,670 | 354551,531 | 155,653 | M8 |
| 3142 | 9529385,620 | 354556,648 | 156,137 | M7 |
| 3143 | 9529405,230 | 354564,466 | 156,191 | M6 |
| 3144 | 9529424,616 | 354573,045 | 155,655 | M5 |
| 3145 | 9529443,822 | 354581,668 | 155,112 | M4 |
| 3146 | 9529463,723 | 354589,745 | 154,406 | M3 |
| 3147 | 9529483,214 | 354598,269 | 153,567 | M2 |
| 3148 | 9529502,036 | 354606,242 | 152,335 | M1 |
| 3149 | 9529508,738 | 354608,758 | 150,320 | PC |
| 3150 | 9529512,298 | 354615,506 | 150,465 | PC |
| 3151 | 9529569,967 | 354635,062 | 154,102 | J3 |
| 3152 | 9529585,570 | 354641,399 | 154,039 | J4 |
| 3153 | 9529601,225 | 354648,118 | 153,963 | J5 |
| 3154 | 9529617,446 | 354654,425 | 154,140 | J6 |
| 3155 | 9529633,124 | 354660,915 | 154,286 | J7 |
| 3156 | 9529648,799 | 354667,497 | 154,000 | J8 |
| 3157 | 9529659,669 | 354650,069 | 153,501 | J8 |
| 3158 | 9529642,683 | 354643,145 | 154,159 | J7 |
| 3159 | 9529627,473 | 354636,441 | 154,888 | J6 |
| 3160 | 9529611,310 | 354629,639 | 154,849 | J5 |
| 3161 | 9529594,794 | 354623,104 | 154,794 | J4 |
| 3162 | 9529579,066 | 354616,188 | 154,894 | J3 |
| 3163 | 9529562,315 | 354609,620 | 154,760 | J2 |
| 3164 | 9529546,491 | 354603,207 | 154,384 | J1 |
| 3165 | 9529488,176 | 354580,127 | 154,000 | M2 |
| 3166 | 9529469,499 | 354573,290 | 154,119 | M3 |
| 3167 | 9529449,663 | 354565,829 | 154,474 | M4 |
| 3168 | 9529429,357 | 354558,633 | 154,920 | M5 |
| 3169 | 9529408,971 | 354551,436 | 155,398 | M6 |
| 3170 | 9529389,069 | 354543,559 | 155,529 | M7 |
| 3171 | 9529369,161 | 354536,422 | 155,018 | M8 |
| 3172 | 9529404,431 | 354523,650 | 154,369 | M7 |
| 3173 | 9529423,016 | 354530,724 | 154,849 | M6 |
| 3174 | 9529442,106 | 354538,714 | 154,693 | M5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3175 | 9529462,372 | 354546,597 | 154,690 | M4 |
| 3176 | 9529481,545 | 354554,670 | 154,358 | M3 |
| 3177 | 9529517,305 | 354569,081 | 150,561 | M1 |
| 3178 | 9529554,403 | 354584,899 | 155,586 | J1 |
| 3179 | 9529574,079 | 354593,115 | 155,765 | J2 |
| 3180 | 9529594,005 | 354601,433 | 155,649 | J3 |
| 3181 | 9529613,960 | 354609,677 | 155,284 | J4 |
| 3182 | 9529633,550 | 354618,355 | 155,079 | J5 |
| 3183 | 9529653,546 | 354627,044 | 154,154 | J6 |
| 3184 | 9529673,617 | 354635,336 | 153,645 | J7 |
| 3185 | 9529693,767 | 354644,230 | 153,368 | J8 |
| 3186 | 9529697,927 | 354623,604 | 155,442 | J8 |
| 3187 | 9529683,492 | 354617,117 | 155,186 | J7 |
| 3188 | 9529662,128 | 354608,838 | 155,225 | J6 |
| 3189 | 9529641,585 | 354599,325 | 155,990 | J5 |
| 3190 | 9529621,245 | 354591,590 | 156,751 | J4 |
| 3191 | 9529601,043 | 354582,810 | 157,073 | J3 |
| 3192 | 9529581,525 | 354574,257 | 157,054 | J2 |
| 3193 | 9529562,145 | 354566,376 | 156,767 | J1 |
| 3194 | 9529525,626 | 354550,743 | 152,763 | M1 |
| 3195 | 9529518,550 | 354547,743 | 151,597 | PC |
| 3196 | 9529507,696 | 354542,886 | 152,486 | M2 |
| 3197 | 9529489,757 | 354534,171 | 151,848 | M3 |
| 3198 | 9529482,591 | 354531,921 | 150,864 | PC |
| 3199 | 9529471,424 | 354527,450 | 151,517 | M4 |
| 3200 | 9529452,933 | 354519,670 | 153,371 | M5 |
| 3201 | 9529433,823 | 354512,031 | 154,185 | M6 |
| 3202 | 9529414,907 | 354503,846 | 154,122 | M7 |
| 3203 | 9529396,604 | 354495,848 | 152,649 | M8 |
| 3204 | 9529403,030 | 354481,034 | 152,775 | M2 |
| 3205 | 9529438,241 | 354493,501 | 152,767 | M3 |
| 3206 | 9529473,395 | 354507,290 | 151,130 | PC |
| 3207 | 9529475,951 | 354508,275 | 152,696 | M4 |
| 3208 | 9529495,649 | 354516,159 | 153,106 | M5 |
| 3209 | 9529515,064 | 354524,540 | 153,563 | M6 |
| 3210 | 9529569,773 | 354547,933 | 157,628 | J1 |
| 3211 | 9529588,910 | 354556,191 | 158,248 | J2 |
| 3212 | 9529608,212 | 354563,820 | 158,602 | J3 |
| 3213 | 9529628,196 | 354572,702 | 157,754 | J4 |
| 3214 | 9529648,476 | 354580,539 | 156,914 | J5 |
| 3215 | 9529668,330 | 354589,216 | 156,324 | J6 |
| 3216 | 9529687,931 | 354597,489 | 156,428 | J7 |
| 3217 | 9529697,313 | 354579,557 | 157,872 | J7 |
| 3218 | 9529677,226 | 354571,192 | 158,050 | J6 |
| 3219 | 9529657,523 | 354563,037 | 158,799 | J5 |
| 3220 | 9529637,495 | 354554,259 | 159,457 | J4 |
| 3221 | 9529617,123 | 354546,422 | 159,755 | J3 |
| 3222 | 9529597,624 | 354537,737 | 159,663 | J2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3223 | 9529577,639 | 354529,670 | 158,586 | J1 |
| 3224 | 9529540,858 | 354514,079 | 155,237 | M1 |
| 3225 | 9529522,659 | 354506,280 | 154,139 | M2 |
| 3226 | 9529503,394 | 354498,493 | 154,137 | M3 |
| 3227 | 9529484,129 | 354491,001 | 152,878 | M4 |
| 3228 | 9529465,062 | 354483,930 | 151,051 | M5 |
| 3229 | 9529446,507 | 354476,108 | 152,611 | M6 |
| 3230 | 9529427,368 | 354467,464 | 154,312 | M7 |
| 3231 | 9529411,000 | 354460,959 | 155,103 | M8 |
| 3232 | 9529419,866 | 354441,346 | 153,404 | M8 |
| 3233 | 9529438,710 | 354449,968 | 152,304 | M7 |
| 3234 | 9529457,664 | 354456,347 | 151,686 | M6 |
| 3235 | 9529474,778 | 354464,226 | 154,380 | M5 |
| 3236 | 9529493,364 | 354471,571 | 152,498 | M4 |
| 3237 | 9529512,158 | 354480,075 | 154,076 | M3 |
| 3238 | 9529530,838 | 354487,966 | 154,962 | M2 |
| 3239 | 9529548,937 | 354495,837 | 156,657 | M1 |
| 3240 | 9529585,408 | 354511,162 | 159,486 | J1 |
| 3241 | 9529604,518 | 354519,378 | 161,173 | J2 |
| 3242 | 9529623,447 | 354527,571 | 161,202 | J3 |
| 3243 | 9529643,186 | 354535,966 | 161,260 | J4 |
| 3244 | 9529663,191 | 354543,884 | 161,379 | J5 |
| 3245 | 9529683,554 | 354552,706 | 160,817 | J6 |
| 3246 | 9529702,616 | 354561,008 | 159,318 | J7 |
| 3247 | 9529724,966 | 354548,370 | 159,835 | J8 |
| 3248 | 9529710,275 | 354542,040 | 160,491 | J7 |
| 3249 | 9529690,539 | 354534,323 | 162,296 | J6 |
| 3250 | 9529671,369 | 354525,571 | 163,310 | J5 |
| 3251 | 9529651,366 | 354517,139 | 163,194 | J4 |
| 3252 | 9529632,257 | 354508,688 | 162,689 | J3 |
| 3253 | 9529612,677 | 354500,624 | 161,943 | J2 |
| 3254 | 9529593,101 | 354492,813 | 160,547 | J1 |
| 3255 | 9529556,407 | 354477,298 | 157,798 | M1 |
| 3256 | 9529537,657 | 354469,577 | 156,017 | M2 |
| 3257 | 9529519,531 | 354461,616 | 154,174 | M3 |
| 3258 | 9529481,820 | 354444,824 | 154,900 | M5 |
| 3259 | 9529462,653 | 354435,660 | 155,059 | M6 |
| 3260 | 9529443,996 | 354427,636 | 152,487 | M7 |
| 3261 | 9529432,586 | 354403,520 | 154,808 | M7 |
| 3262 | 9529470,751 | 354420,078 | 154,933 | M6 |
| 3263 | 9529490,080 | 354427,532 | 153,544 | M5 |
| 3264 | 9529508,727 | 354435,921 | 153,128 | M4 |
| 3265 | 9529527,737 | 354443,733 | 154,519 | M3 |
| 3266 | 9529546,182 | 354451,472 | 156,930 | M2 |
| 3267 | 9529564,104 | 354458,906 | 158,825 | M1 |
| 3268 | 9529600,970 | 354474,390 | 161,284 | J1 |
| 3269 | 9529619,428 | 354481,848 | 162,585 | J2 |
| 3270 | 9529637,882 | 354489,941 | 163,716 | J3 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3271 | 9529657,364 | 354497,745 | 164,295 | J4 |
| 3272 | 9529676,852 | 354506,373 | 164,261 | J5 |
| 3273 | 9529695,834 | 354513,913 | 163,336 | J6 |
| 3274 | 9529715,359 | 354522,283 | 161,823 | J7 |
| 3275 | 9529734,982 | 354530,327 | 160,991 | J8 |
| 3276 | 9529703,487 | 354496,177 | 164,139 | J6 |
| 3277 | 9529684,301 | 354488,034 | 165,204 | J5 |
| 3278 | 9529665,188 | 354480,239 | 165,898 | J4 |
| 3279 | 9529646,025 | 354471,832 | 164,492 | J3 |
| 3280 | 9529627,567 | 354463,980 | 163,128 | J2 |
| 3281 | 9529608,596 | 354455,982 | 161,428 | J1 |
| 3282 | 9529571,993 | 354440,459 | 159,322 | M1 |
| 3283 | 9529554,461 | 354433,171 | 157,844 | M2 |
| 3284 | 9529536,336 | 354425,650 | 155,248 | M3 |
| 3285 | 9529517,411 | 354417,567 | 153,920 | M4 |
| 3286 | 9529499,170 | 354409,787 | 153,798 | M5 |
| 3287 | 9529479,391 | 354400,935 | 155,116 | M6 |
| 3288 | 9529460,688 | 354391,761 | 155,739 | M7 |
| 3289 | 9529441,316 | 354382,474 | 155,166 | M8 |
| 3290 | 9529446,210 | 354365,314 | 157,065 | M8 |
| 3291 | 9529465,171 | 354373,219 | 157,240 | M7 |
| 3292 | 9529485,807 | 354381,697 | 155,811 | M6 |
| 3293 | 9529504,474 | 354390,109 | 155,454 | M5 |
| 3294 | 9529523,651 | 354398,087 | 154,451 | M4 |
| 3295 | 9529542,066 | 354406,215 | 154,895 | M3 |
| 3296 | 9529560,869 | 354414,428 | 156,559 | M2 |
| 3297 | 9529579,482 | 354421,948 | 159,548 | M1 |
| 3298 | 9529617,779 | 354437,813 | 161,767 | J1 |
| 3299 | 9529636,721 | 354446,270 | 163,718 | J2 |
| 3300 | 9529655,460 | 354454,200 | 165,731 | J3 |
| 3301 | 9529674,149 | 354462,260 | 167,070 | J4 |
| 3302 | 9529693,022 | 354469,863 | 165,628 | J5 |
| 3303 | 9529712,505 | 354478,075 | 164,578 | J6 |
| 3304 | 9529732,184 | 354486,205 | 163,591 | J7 |
| 3305 | 9529751,759 | 354472,418 | 163,751 | J8 |
| 3306 | 9529736,968 | 354466,276 | 164,202 | J7 |
| 3307 | 9529718,540 | 354458,680 | 165,605 | J6 |
| 3308 | 9529699,114 | 354450,882 | 166,311 | J5 |
| 3309 | 9529680,621 | 354443,155 | 167,089 | J4 |
| 3310 | 9529661,670 | 354434,788 | 166,098 | J3 |
| 3311 | 9529642,622 | 354427,143 | 163,698 | J2 |
| 3312 | 9529624,279 | 354419,293 | 161,795 | J1 |
| 3313 | 9529587,952 | 354403,865 | 157,807 | M1 |
| 3314 | 9529568,087 | 354395,530 | 155,028 | M2 |
| 3315 | 9529549,240 | 354387,903 | 155,380 | M3 |
| 3316 | 9529531,212 | 354380,026 | 158,076 | M4 |
| 3317 | 9529511,715 | 354372,283 | 158,140 | M5 |
| 3318 | 9529492,541 | 354364,629 | 157,249 | M6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3319 | 9529472,446 | 354357,755 | 158,469 | M7 |
| 3320 | 9529466,003 | 354329,205 | 161,130 | M8 |
| 3321 | 9529482,489 | 354336,264 | 160,854 | M7 |
| 3322 | 9529501,178 | 354344,433 | 158,695 | M6 |
| 3323 | 9529520,658 | 354352,784 | 159,903 | M5 |
| 3324 | 9529540,556 | 354361,130 | 160,572 | M4 |
| 3325 | 9529559,123 | 354369,303 | 159,412 | M3 |
| 3326 | 9529577,528 | 354377,625 | 157,607 | M2 |
| 3327 | 9529591,965 | 354384,474 | 155,836 | PC |
| 3328 | 9529595,864 | 354385,704 | 157,191 | M1 |
| 3329 | 9529632,182 | 354400,985 | 162,145 | J1 |
| 3330 | 9529650,406 | 354408,822 | 163,913 | J2 |
| 3331 | 9529668,315 | 354415,485 | 165,882 | J3 |
| 3332 | 9529687,617 | 354424,623 | 167,141 | J4 |
| 3333 | 9529707,276 | 354433,034 | 166,461 | J5 |
| 3334 | 9529726,752 | 354441,605 | 165,755 | J6 |
| 3335 | 9529745,876 | 354449,746 | 165,068 | J7 |
| 3336 | 9529763,160 | 354453,617 | 164,597 | J8 |
| 3337 | 9529775,581 | 354439,211 | 165,316 | J8 |
| 3338 | 9529756,045 | 354430,874 | 165,670 | J7 |
| 3339 | 9529736,206 | 354423,084 | 166,354 | J6 |
| 3340 | 9529716,505 | 354414,942 | 166,702 | J5 |
| 3341 | 9529697,783 | 354406,826 | 166,774 | J4 |
| 3342 | 9529678,155 | 354398,750 | 165,160 | J3 |
| 3343 | 9529659,553 | 354390,814 | 163,410 | J2 |
| 3344 | 9529639,993 | 354382,474 | 161,211 | J1 |
| 3345 | 9529602,905 | 354367,119 | 158,970 | M1 |
| 3346 | 9529585,544 | 354359,770 | 158,997 | M2 |
| 3347 | 9529565,969 | 354351,844 | 161,609 | M3 |
| 3348 | 9529546,904 | 354343,624 | 161,796 | M4 |
| 3349 | 9529527,631 | 354335,256 | 161,388 | M5 |
| 3350 | 9529509,231 | 354328,025 | 159,962 | M6 |
| 3351 | 9529490,611 | 354319,546 | 161,308 | M7 |
| 3352 | 9529475,185 | 354312,470 | 162,474 | M8 |
| 3353 | 9529531,925 | 354305,359 | 163,264 | M6 |
| 3354 | 9529548,118 | 354312,337 | 163,631 | M5 |
| 3355 | 9529564,460 | 354319,282 | 162,767 | M4 |
| 3356 | 9529581,536 | 354326,577 | 161,477 | M3 |
| 3357 | 9529598,354 | 354333,750 | 159,247 | M2 |
| 3358 | 9529614,190 | 354340,471 | 160,674 | M1 |
| 3359 | 9529650,992 | 354356,087 | 163,344 | J1 |
| 3360 | 9529670,037 | 354363,918 | 163,778 | J2 |
| 3361 | 9529688,988 | 354372,291 | 164,837 | J3 |
| 3362 | 9529708,066 | 354380,605 | 167,567 | J4 |
| 3363 | 9529727,258 | 354388,457 | 167,562 | J5 |
| 3364 | 9529747,303 | 354397,222 | 167,197 | J6 |
| 3365 | 9529765,370 | 354405,207 | 166,836 | J7 |
| 3366 | 9529783,745 | 354414,046 | 166,455 | J8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3367 | 9529790,267 | 354388,931 | 167,842 | J8 |
| 3368 | 9529774,755 | 354383,462 | 168,029 | J7 |
| 3369 | 9529756,139 | 354376,530 | 168,282 | J6 |
| 3370 | 9529735,931 | 354368,693 | 168,333 | J5 |
| 3371 | 9529716,218 | 354361,756 | 168,047 | J4 |
| 3372 | 9529696,831 | 354354,078 | 166,990 | J3 |
| 3373 | 9529677,656 | 354346,141 | 165,987 | J2 |
| 3374 | 9529658,925 | 354337,857 | 165,071 | J1 |
| 3375 | 9529622,146 | 354322,327 | 161,565 | M1 |
| 3376 | 9529606,787 | 354315,751 | 159,763 | M2 |
| 3377 | 9529591,277 | 354309,587 | 161,326 | M3 |
| 3378 | 9529576,028 | 354303,152 | 162,999 | M4 |
| 3379 | 9529560,737 | 354296,846 | 164,255 | M5 |
| 3380 | 9529544,991 | 354290,442 | 164,803 | M6 |
| 3381 | 9529528,676 | 354283,460 | 165,222 | M7 |
| 3382 | 9529510,744 | 354276,294 | 165,087 | M8 |
| 3383 | 9529515,901 | 354254,904 | 167,186 | M8 |
| 3384 | 9529534,019 | 354263,101 | 166,361 | M7 |
| 3385 | 9529549,476 | 354269,870 | 165,893 | M6 |
| 3386 | 9529566,540 | 354276,321 | 165,324 | M5 |
| 3387 | 9529582,465 | 354283,637 | 163,421 | M4 |
| 3388 | 9529598,534 | 354290,634 | 161,660 | M3 |
| 3389 | 9529614,489 | 354297,313 | 160,426 | M2 |
| 3390 | 9529629,794 | 354304,012 | 161,898 | M1 |
| 3391 | 9529666,503 | 354319,652 | 165,356 | J1 |
| 3392 | 9529684,964 | 354327,828 | 166,808 | J2 |
| 3393 | 9529704,160 | 354335,362 | 168,150 | J3 |
| 3394 | 9529723,405 | 354344,001 | 168,926 | J4 |
| 3395 | 9529743,559 | 354352,089 | 169,097 | J5 |
| 3396 | 9529762,819 | 354360,678 | 169,009 | J6 |
| 3397 | 9529782,861 | 354368,601 | 168,765 | J7 |
| 3398 | 9529796,191 | 354376,140 | 168,540 | J8 |
| 3399 | 9529801,911 | 354353,678 | 169,993 | J8 |
| 3400 | 9529785,807 | 354348,628 | 170,031 | J7 |
| 3401 | 9529767,404 | 354340,371 | 169,838 | J6 |
| 3402 | 9529748,110 | 354332,710 | 169,730 | J5 |
| 3403 | 9529728,866 | 354324,369 | 169,083 | J4 |
| 3404 | 9529710,948 | 354316,781 | 168,007 | J3 |
| 3405 | 9529692,980 | 354309,332 | 166,807 | J2 |
| 3406 | 9529674,722 | 354301,388 | 165,743 | J1 |
| 3407 | 9529637,669 | 354285,601 | 161,310 | M1 |
| 3408 | 9529621,879 | 354278,713 | 161,803 | M2 |
| 3409 | 9529605,815 | 354271,606 | 161,854 | M3 |
| 3410 | 9529589,491 | 354264,668 | 162,668 | M4 |
| 3411 | 9529573,676 | 354257,412 | 163,714 | M5 |
| 3412 | 9529557,287 | 354250,421 | 164,716 | M6 |
| 3413 | 9529542,009 | 354243,743 | 166,330 | M7 |
| 3414 | 9529525,605 | 354236,618 | 167,784 | M8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3415 | 9529534,923 | 354220,126 | 168,097 | M8 |
| 3416 | 9529550,075 | 354226,742 | 166,144 | M7 |
| 3417 | 9529566,200 | 354233,806 | 163,909 | M6 |
| 3418 | 9529582,189 | 354240,355 | 163,653 | M5 |
| 3419 | 9529598,278 | 354247,112 | 162,696 | M4 |
| 3420 | 9529614,520 | 354254,087 | 163,070 | M3 |
| 3421 | 9529630,124 | 354260,682 | 162,870 | M2 |
| 3422 | 9529645,232 | 354267,126 | 162,371 | M1 |
| 3423 | 9529682,169 | 354282,655 | 163,312 | J1 |
| 3424 | 9529700,432 | 354290,198 | 166,462 | J2 |
| 3425 | 9529718,811 | 354298,124 | 167,645 | J3 |
| 3426 | 9529738,500 | 354306,012 | 169,042 | J4 |
| 3427 | 9529758,381 | 354314,192 | 170,028 | J5 |
| 3428 | 9529777,907 | 354322,229 | 170,576 | J6 |
| 3429 | 9529793,325 | 354326,058 | 170,942 | J7 |
| 3430 | 9529809,139 | 354328,579 | 170,585 | PC |
| 3431 | 9529821,295 | 354320,609 | 170,178 | J8 |
| 3432 | 9529801,345 | 354312,048 | 171,011 | J7 |
| 3433 | 9529782,232 | 354303,989 | 170,950 | J6 |
| 3434 | 9529763,129 | 354295,395 | 170,280 | J5 |
| 3435 | 9529744,020 | 354287,243 | 168,631 | J4 |
| 3436 | 9529725,864 | 354279,237 | 166,906 | J3 |
| 3437 | 9529708,225 | 354271,914 | 165,139 | J2 |
| 3438 | 9529690,095 | 354264,460 | 163,362 | J1 |
| 3439 | 9529653,324 | 354248,911 | 163,606 | M1 |
| 3440 | 9529637,622 | 354241,860 | 163,917 | M2 |
| 3441 | 9529622,131 | 354235,613 | 164,488 | M3 |
| 3442 | 9529606,988 | 354228,412 | 164,883 | M4 |
| 3443 | 9529591,318 | 354221,541 | 164,904 | M5 |
| 3444 | 9529575,433 | 354214,822 | 165,247 | M6 |
| 3445 | 9529559,554 | 354208,284 | 165,935 | M7 |
| 3446 | 9529543,333 | 354201,111 | 165,201 | M8 |
| 3447 | 9529553,966 | 354185,352 | 167,613 | M8 |
| 3448 | 9529568,965 | 354192,298 | 167,518 | M7 |
| 3449 | 9529583,715 | 354198,531 | 167,219 | M6 |
| 3450 | 9529599,630 | 354205,404 | 166,769 | M5 |
| 3451 | 9529615,016 | 354211,218 | 167,187 | M4 |
| 3452 | 9529630,430 | 354217,709 | 165,889 | M3 |
| 3453 | 9529645,991 | 354224,255 | 165,310 | M2 |
| 3454 | 9529661,712 | 354230,752 | 165,605 | M1 |
| 3455 | 9529697,963 | 354246,131 | 163,323 | J1 |
| 3456 | 9529718,106 | 354254,506 | 165,111 | J2 |
| 3457 | 9529737,916 | 354262,289 | 166,979 | J3 |
| 3458 | 9529757,951 | 354270,290 | 168,575 | J4 |
| 3459 | 9529778,221 | 354278,272 | 170,572 | J5 |
| 3460 | 9529797,829 | 354286,398 | 170,971 | J6 |
| 3461 | 9529817,042 | 354293,906 | 170,317 | J7 |
| 3462 | 9529833,838 | 354298,843 | 169,136 | J8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3463 | 9529834,038 | 354281,408 | 169,102 | J8 |
| 3464 | 9529818,887 | 354275,638 | 170,044 | J7 |
| 3465 | 9529798,890 | 354267,519 | 170,669 | J6 |
| 3466 | 9529779,276 | 354259,538 | 170,393 | J5 |
| 3467 | 9529760,264 | 354251,236 | 169,307 | J4 |
| 3468 | 9529741,052 | 354242,915 | 167,113 | J3 |
| 3469 | 9529723,504 | 354235,041 | 165,606 | J2 |
| 3470 | 9529705,872 | 354227,863 | 164,302 | J1 |
| 3471 | 9529668,894 | 354212,163 | 167,002 | M1 |
| 3472 | 9529652,133 | 354204,840 | 167,609 | M2 |
| 3473 | 9529636,944 | 354198,195 | 166,661 | M3 |
| 3474 | 9529622,797 | 354192,553 | 168,851 | M4 |
| 3475 | 9529608,122 | 354186,178 | 169,559 | M5 |
| 3476 | 9529592,141 | 354178,821 | 170,358 | M6 |
| 3477 | 9529577,312 | 354172,270 | 169,574 | M7 |
| 3478 | 9529561,574 | 354165,495 | 169,712 | M8 |
| 3479 | 9529567,241 | 354148,031 | 171,440 | M8 |
| 3480 | 9529582,453 | 354154,286 | 172,175 | M7 |
| 3481 | 9529598,109 | 354160,509 | 172,014 | M6 |
| 3482 | 9529614,248 | 354167,467 | 171,587 | M5 |
| 3483 | 9529629,947 | 354173,978 | 169,864 | M4 |
| 3484 | 9529645,555 | 354180,818 | 169,889 | M3 |
| 3485 | 9529660,326 | 354186,881 | 169,150 | M2 |
| 3486 | 9529676,700 | 354193,864 | 167,868 | M1 |
| 3487 | 9529713,369 | 354209,391 | 165,308 | J1 |
| 3488 | 9529731,660 | 354218,177 | 166,501 | J2 |
| 3489 | 9529750,233 | 354227,247 | 167,863 | J3 |
| 3490 | 9529769,174 | 354234,901 | 169,871 | J4 |
| 3491 | 9529787,991 | 354243,177 | 170,927 | J5 |
| 3492 | 9529806,585 | 354251,047 | 170,204 | J6 |
| 3493 | 9529821,511 | 354260,892 | 169,804 | J7 |
| 3494 | 9529838,443 | 354265,976 | 168,740 | J8 |
| 3495 | 9529839,540 | 354247,809 | 168,792 | J8 |
| 3496 | 9529826,663 | 354243,487 | 169,649 | J7 |
| 3497 | 9529812,092 | 354238,126 | 170,611 | J6 |
| 3498 | 9529798,813 | 354230,998 | 171,004 | J5 |
| 3499 | 9529778,690 | 354220,171 | 170,794 | J4 |
| 3500 | 9529759,649 | 354210,142 | 169,442 | J3 |
| 3501 | 9529740,538 | 354199,774 | 169,109 | J2 |
| 3502 | 9529721,114 | 354191,164 | 166,281 | J1 |
| 3503 | 9529684,332 | 354175,446 | 167,826 | M1 |
| 3504 | 9529669,061 | 354168,735 | 168,329 | M2 |
| 3505 | 9529654,760 | 354162,528 | 170,152 | M3 |
| 3506 | 9529638,365 | 354155,627 | 171,200 | M4 |
| 3507 | 9529622,244 | 354148,290 | 171,816 | M5 |
| 3508 | 9529605,108 | 354141,171 | 172,891 | M6 |
| 3509 | 9529589,173 | 354134,590 | 173,520 | M7 |
| 3510 | 9529573,315 | 354127,737 | 173,700 | M8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3511 | 9529583,481 | 354111,606 | 174,057 | M8 |
| 3512 | 9529598,958 | 354117,929 | 173,870 | M7 |
| 3513 | 9529615,103 | 354124,420 | 173,498 | M6 |
| 3514 | 9529630,946 | 354131,357 | 172,892 | M5 |
| 3515 | 9529646,067 | 354138,032 | 171,583 | M4 |
| 3516 | 9529661,684 | 354144,779 | 170,364 | M3 |
| 3517 | 9529677,204 | 354150,864 | 169,109 | M2 |
| 3518 | 9529692,164 | 354157,049 | 167,331 | M1 |
| 3519 | 9529728,735 | 354172,683 | 168,108 | J1 |
| 3520 | 9529747,956 | 354180,526 | 169,751 | J2 |
| 3521 | 9529772,962 | 354191,448 | 170,794 | J3 |
| 3522 | 9529791,441 | 354201,102 | 171,842 | J4 |
| 3523 | 9529810,933 | 354207,348 | 172,132 | J5 |
| 3524 | 9529829,118 | 354216,759 | 171,035 | J6 |
| 3525 | 9529844,066 | 354226,505 | 169,356 | J7 |
| 3526 | 9529850,523 | 354201,081 | 171,188 | J7 |
| 3527 | 9529837,179 | 354197,110 | 171,501 | J6 |
| 3528 | 9529817,974 | 354188,746 | 173,500 | J5 |
| 3529 | 9529798,355 | 354180,121 | 172,436 | J4 |
| 3530 | 9529776,575 | 354171,062 | 171,306 | J3 |
| 3531 | 9529756,221 | 354162,295 | 169,858 | J2 |
| 3532 | 9529736,903 | 354154,238 | 168,885 | J1 |
| 3533 | 9529700,116 | 354138,750 | 167,729 | M1 |
| 3534 | 9529684,693 | 354132,040 | 168,480 | M2 |
| 3535 | 9529669,027 | 354124,817 | 169,907 | M3 |
| 3536 | 9529653,366 | 354118,775 | 171,485 | M4 |
| 3537 | 9529638,877 | 354112,980 | 172,400 | M5 |
| 3538 | 9529623,416 | 354106,587 | 173,618 | M6 |
| 3539 | 9529607,478 | 354099,393 | 174,202 | M7 |
| 3540 | 9529590,275 | 354091,791 | 174,452 | M8 |
| 3541 | 9529605,785 | 354079,701 | 174,629 | M7 |
| 3542 | 9529624,898 | 354086,122 | 173,009 | M6 |
| 3543 | 9529642,399 | 354093,850 | 172,070 | M5 |
| 3544 | 9529658,869 | 354100,336 | 171,050 | M4 |
| 3545 | 9529675,644 | 354106,915 | 170,013 | M3 |
| 3546 | 9529691,537 | 354113,777 | 168,360 | M2 |
| 3547 | 9529708,049 | 354120,290 | 168,206 | M1 |
| 3548 | 9529744,429 | 354135,689 | 169,892 | J1 |
| 3549 | 9529762,954 | 354143,793 | 170,795 | J2 |
| 3550 | 9529781,577 | 354151,810 | 171,919 | J3 |
| 3551 | 9529799,258 | 354159,480 | 173,455 | J4 |
| 3552 | 9529817,194 | 354167,006 | 174,968 | J5 |
| 3553 | 9529827,973 | 354171,437 | 174,950 | J6 |
| 3554 | 9529844,821 | 354178,977 | 173,861 | J7 |
| 3555 | 9529858,476 | 354187,654 | 171,962 | J8 |
| 3556 | 9529864,526 | 354167,990 | 174,511 | J8 |
| 3557 | 9529850,571 | 354159,133 | 176,543 | J7 |
| 3558 | 9529833,616 | 354151,895 | 176,860 | J6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3559 | 9529817,503 | 354145,006 | 175,916 | J5 |
| 3560 | 9529801,165 | 354138,258 | 174,104 | J4 |
| 3561 | 9529785,039 | 354131,310 | 172,732 | J3 |
| 3562 | 9529769,509 | 354124,616 | 171,288 | J2 |
| 3563 | 9529752,431 | 354117,377 | 170,308 | J1 |
| 3564 | 9529715,682 | 354101,945 | 169,326 | M1 |
| 3565 | 9529697,129 | 354094,388 | 169,678 | M2 |
| 3566 | 9529678,547 | 354086,180 | 169,283 | M3 |
| 3567 | 9529659,958 | 354077,999 | 170,793 | M4 |
| 3568 | 9529641,935 | 354070,596 | 172,326 | M5 |
| 3569 | 9529622,990 | 354062,836 | 173,559 | M6 |
| 3570 | 9529603,841 | 354054,570 | 174,939 | M7 |
| 3571 | 9529588,193 | 354045,943 | 175,342 | M8 |
| 3572 | 9529601,912 | 354031,361 | 175,406 | PC |
| 3573 | 9529617,618 | 354040,581 | 174,789 | M8 |
| 3574 | 9529636,963 | 354049,010 | 173,929 | M7 |
| 3575 | 9529653,728 | 354055,539 | 172,586 | M6 |
| 3576 | 9529668,075 | 354060,900 | 170,963 | M5 |
| 3577 | 9529681,250 | 354066,478 | 170,781 | M4 |
| 3578 | 9529694,609 | 354071,609 | 171,239 | M3 |
| 3579 | 9529708,388 | 354077,317 | 171,343 | M2 |
| 3580 | 9529723,932 | 354083,355 | 172,705 | M1 |
| 3581 | 9529760,366 | 354098,798 | 172,003 | J1 |
| 3582 | 9529778,904 | 354106,740 | 173,175 | J2 |
| 3583 | 9529797,535 | 354115,052 | 174,921 | J3 |
| 3584 | 9529815,703 | 354122,633 | 177,288 | J4 |
| 3585 | 9529834,131 | 354130,670 | 178,463 | J5 |
| 3586 | 9529852,101 | 354138,626 | 178,795 | J6 |
| 3587 | 9529870,604 | 354146,304 | 177,483 | J7 |
| 3588 | 9529884,102 | 354150,453 | 175,970 | J8 |
| 3589 | 9529892,534 | 354133,000 | 178,380 | J8 |
| 3590 | 9529881,962 | 354127,593 | 180,319 | J7 |
| 3591 | 9529864,542 | 354120,251 | 181,883 | J6 |
| 3592 | 9529847,626 | 354113,427 | 181,652 | J5 |
| 3593 | 9529831,117 | 354106,976 | 180,927 | PC |
| 3594 | 9529800,302 | 354093,563 | 176,414 | J3 |
| 3595 | 9529783,556 | 354087,242 | 174,553 | J2 |
| 3596 | 9529769,224 | 354081,019 | 173,467 | J1 |
| 3597 | 9529731,654 | 354064,965 | 173,445 | M1 |
| 3598 | 9529704,883 | 354053,780 | 173,223 | M2 |
| 3599 | 9529686,170 | 354045,629 | 172,296 | M3 |
| 3600 | 9529667,665 | 354037,749 | 171,932 | M4 |
| 3601 | 9529649,649 | 354030,541 | 173,328 | M5 |
| 3602 | 9529631,582 | 354022,641 | 174,765 | M6 |
| 3603 | 9529613,783 | 354015,250 | 175,731 | M7 |
| 3604 | 9529599,435 | 354009,640 | 176,176 | M8 |
| 3605 | 9529604,280 | 353969,756 | 178,008 | PC |
| 3606 | 9529604,242 | 353990,438 | 177,072 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|--------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3607 | 9529620,877 | 353995,481 | 176,942 | M8 |
| 3608 | 9529639,503 | 354003,653 | 176,073 | M7 |
| 3609 | 9529657,558 | 354011,130 | 174,597 | M6 |
| 3610 | 9529674,531 | 354018,347 | 173,251 | M5 |
| 3611 | 9529690,595 | 354025,906 | 174,091 | M4 |
| 3612 | 9529707,189 | 354033,029 | 174,072 | M3 |
| 3613 | 9529723,406 | 354039,973 | 174,900 | M2 |
| 3614 | 9529739,292 | 354046,500 | 174,885 | M1 |
| 3615 | 9529775,792 | 354062,100 | 175,065 | J1 |
| 3616 | 9529794,678 | 354069,730 | 177,364 | J2 |
| 3617 | 9529813,129 | 354078,007 | 179,188 | J3 |
| 3618 | 9529831,679 | 354085,675 | 182,086 | J4 |
| 3619 | 9529849,117 | 354093,407 | 183,906 | J5 |
| 3620 | 9529867,610 | 354101,107 | 184,810 | J6 |
| 3621 | 9529864,028 | 354100,560 | 184,770 | EST 1+10 M 1 |
| 3622 | 9529887,171 | 354109,846 | 183,888 | J7 |
| 3623 | 9529902,374 | 354096,044 | 187,129 | J8 |
| 3624 | 9529883,944 | 354088,665 | 187,841 | J7 |
| 3625 | 9529864,823 | 354080,192 | 186,918 | J6 |
| 3626 | 9529846,561 | 354072,187 | 185,475 | J5 |
| 3627 | 9529830,609 | 354065,298 | 183,671 | J4 |
| 3628 | 9529815,153 | 354058,428 | 181,955 | J3 |
| 3629 | 9529799,284 | 354050,924 | 179,270 | J2 |
| 3630 | 9529783,495 | 354043,879 | 177,840 | J1 |
| 3631 | 9529746,445 | 354028,244 | 177,731 | M1 |
| 3632 | 9529732,682 | 354022,347 | 177,104 | M2 |
| 3633 | 9529714,904 | 354014,214 | 176,610 | M3 |
| 3634 | 9529697,144 | 354006,900 | 174,924 | M4 |
| 3635 | 9529677,459 | 353999,008 | 174,099 | M5 |
| 3636 | 9529660,113 | 353991,406 | 175,205 | M6 |
| 3637 | 9529641,737 | 353984,210 | 176,602 | M7 |
| 3638 | 9529622,914 | 353976,274 | 177,541 | M8 |
| 3639 | 9529618,100 | 353952,918 | 178,242 | PC |
| 3640 | 9529637,014 | 353960,906 | 177,626 | M8 |
| 3641 | 9529656,884 | 353969,138 | 175,964 | M7 |
| 3642 | 9529677,499 | 353978,497 | 174,895 | M6 |
| 3643 | 9529695,535 | 353986,762 | 176,479 | M5 |
| 3644 | 9529711,073 | 353992,300 | 178,184 | M4 |
| 3645 | 9529725,700 | 353998,643 | 179,615 | M3 |
| 3646 | 9529741,518 | 354005,239 | 179,545 | M2 |
| 3647 | 9529754,716 | 354010,406 | 180,442 | M1 |
| 3648 | 9529791,071 | 354026,001 | 181,623 | J1 |
| 3649 | 9529808,415 | 354033,900 | 183,882 | J2 |
| 3650 | 9529825,525 | 354041,517 | 185,534 | J3 |
| 3651 | 9529843,520 | 354049,332 | 186,951 | J4 |
| 3652 | 9529860,392 | 354057,065 | 188,988 | J5 |
| 3653 | 9529895,565 | 354073,197 | 190,718 | J7 |
| 3654 | 9529912,990 | 354080,969 | 189,448 | J8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|---------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3655 | 9529919,966 | 354057,642 | 191,581 | J8 |
| 3656 | 9529904,466 | 354052,355 | 193,427 | J7 |
| 3657 | 9529885,979 | 354044,799 | 193,986 | J6 |
| 3658 | 9529868,526 | 354037,538 | 194,188 | J5 |
| 3659 | 9529851,288 | 354030,188 | 192,592 | J4 |
| 3660 | 9529832,163 | 354022,618 | 190,181 | J3 |
| 3661 | 9529817,381 | 354015,881 | 188,668 | J2 |
| 3662 | 9529798,944 | 354007,737 | 186,617 | J1 |
| 3663 | 9529762,389 | 353992,652 | 184,540 | M1 |
| 3664 | 9529729,167 | 353978,096 | 181,661 | M3 |
| 3665 | 9529711,153 | 353971,050 | 179,918 | M4 |
| 3666 | 9529693,957 | 353963,379 | 177,794 | M5 |
| 3667 | 9529676,256 | 353955,944 | 176,651 | M6 |
| 3668 | 9529655,463 | 353947,623 | 176,984 | M7 |
| 3669 | 9529636,794 | 353939,779 | 178,184 | M8 |
| 3670 | 9529643,583 | 353920,392 | 178,841 | M8 |
| 3671 | 9529661,176 | 353927,916 | 177,864 | M7 |
| 3672 | 9529680,793 | 353935,765 | 178,720 | M6 |
| 3673 | 9529699,051 | 353944,452 | 179,011 | M5 |
| 3674 | 9529717,355 | 353952,421 | 182,223 | M4 |
| 3675 | 9529751,482 | 353966,572 | 187,248 | M2 |
| 3676 | 9529769,980 | 353974,424 | 189,366 | M1 |
| 3677 | 9529806,370 | 353989,930 | 192,200 | J1 |
| 3678 | 9529824,086 | 353997,432 | 194,084 | J2 |
| 3679 | 9529840,930 | 354004,755 | 196,031 | J3 |
| 3680 | 9529857,566 | 354011,756 | 197,488 | J4 |
| 3681 | 9529874,735 | 354018,828 | 197,465 | J5 |
| 3682 | 9529891,062 | 354025,281 | 196,601 | PC DENOCS M03 |
| 3683 | 9529908,216 | 354032,676 | 193,904 | J7 |
| 3684 | 9529924,979 | 354039,811 | 190,664 | J8 |
| 3685 | 9529934,692 | 354023,073 | 187,455 | J8 |
| 3686 | 9529916,276 | 354015,317 | 191,180 | J7 |
| 3687 | 9529898,693 | 354008,221 | 195,015 | J6 |
| 3688 | 9529881,629 | 354001,063 | 198,734 | J5 |
| 3689 | 9529864,850 | 353993,899 | 199,944 | J4 |
| 3690 | 9529847,915 | 353986,332 | 200,133 | J3 |
| 3691 | 9529814,054 | 353972,182 | 197,065 | J1 |
| 3692 | 9529777,797 | 353956,577 | 192,083 | M1 |
| 3693 | 9529760,593 | 353949,313 | 190,422 | M2 |
| 3694 | 9529744,341 | 353941,699 | 187,956 | M3 |
| 3695 | 9529711,629 | 353928,797 | 182,319 | M5 |
| 3696 | 9529695,154 | 353922,214 | 180,519 | M6 |
| 3697 | 9529676,546 | 353914,626 | 180,525 | M7 |
| 3698 | 9529658,006 | 353907,430 | 179,229 | M8 |
| 3699 | 9529667,038 | 353890,554 | 181,306 | M8 |
| 3700 | 9529684,716 | 353897,746 | 183,207 | M7 |
| 3701 | 9529702,972 | 353904,223 | 184,386 | M6 |
| 3702 | 9529719,646 | 353911,281 | 184,929 | M5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3703 | 9529737,548 | 353918,457 | 188,264 | M4 |
| 3704 | 9529754,612 | 353925,646 | 190,674 | M3 |
| 3705 | 9529771,070 | 353932,452 | 192,946 | M2 |
| 3706 | 9529785,582 | 353938,638 | 195,203 | M1 |
| 3707 | 9529821,666 | 353953,682 | 200,635 | J1 |
| 3708 | 9529838,900 | 353960,914 | 201,841 | J2 |
| 3709 | 9529857,899 | 353969,047 | 201,589 | J3 |
| 3710 | 9529873,905 | 353975,647 | 199,955 | J4 |
| 3711 | 9529890,891 | 353982,442 | 195,386 | J5 |
| 3712 | 9529908,275 | 353990,266 | 191,254 | J6 |
| 3713 | 9529922,772 | 353996,144 | 189,038 | J7 |
| 3714 | 9529942,320 | 354004,006 | 184,799 | J8 |
| 3715 | 9529944,092 | 353980,515 | 181,737 | J8 |
| 3716 | 9529924,242 | 353972,505 | 186,797 | J7 |
| 3717 | 9529911,284 | 353967,406 | 189,728 | J6 |
| 3718 | 9529896,590 | 353961,406 | 193,693 | J5 |
| 3719 | 9529879,249 | 353953,853 | 197,591 | J4 |
| 3720 | 9529862,698 | 353946,961 | 201,207 | J3 |
| 3721 | 9529847,049 | 353940,610 | 202,604 | J2 |
| 3722 | 9529830,627 | 353933,870 | 202,323 | J1 |
| 3723 | 9529794,003 | 353918,338 | 198,710 | M1 |
| 3724 | 9529777,069 | 353911,321 | 195,445 | M2 |
| 3725 | 9529760,633 | 353904,338 | 192,000 | M3 |
| 3726 | 9529743,825 | 353897,121 | 189,112 | M4 |
| 3727 | 9529725,825 | 353889,618 | 186,879 | M5 |
| 3728 | 9529707,245 | 353881,601 | 186,241 | M6 |
| 3729 | 9529689,133 | 353874,208 | 184,454 | M7 |
| 3730 | 9529672,657 | 353867,147 | 182,722 | M8 |
| 3731 | 9529276,295 | 355271,448 | 161,369 | M8 |
| 3732 | 9529296,814 | 355270,125 | 161,029 | M7 |
| 3733 | 9529316,842 | 355268,785 | 160,666 | M6 |
| 3734 | 9529337,182 | 355267,597 | 160,277 | M5 |
| 3735 | 9529357,459 | 355266,118 | 160,381 | M4 |
| 3736 | 9529377,629 | 355265,083 | 160,667 | M3 |
| 3737 | 9529397,529 | 355263,406 | 160,820 | M2 |
| 3738 | 9529417,468 | 355262,260 | 160,466 | M1 |
| 3739 | 9529418,723 | 355282,176 | 160,266 | M1 |
| 3740 | 9529426,669 | 355381,824 | 161,848 | M1 |
| 3741 | 9529409,802 | 355382,917 | 162,704 | M2 |
| 3742 | 9529393,433 | 355384,018 | 163,623 | M3 |
| 3743 | 9529377,333 | 355384,960 | 163,915 | M4 |
| 3744 | 9529360,362 | 355386,108 | 164,339 | M5 |
| 3745 | 9529343,023 | 355387,081 | 165,008 | M6 |
| 3746 | 9529326,080 | 355388,063 | 165,799 | M7 |
| 3747 | 9529307,509 | 355389,315 | 166,466 | M8 |
| 3748 | 9529457,182 | 355259,689 | 159,305 | J1 |
| 3749 | 9529473,780 | 355258,613 | 158,854 | J2 |
| 3750 | 9529491,293 | 355257,304 | 157,981 | J3 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3751 | 9529508,546 | 355256,182 | 157,268 | J4 |
| 3752 | 9529525,579 | 355254,990 | 156,366 | J5 |
| 3753 | 9529542,258 | 355254,034 | 155,426 | J6 |
| 3754 | 9529559,424 | 355252,611 | 156,380 | J7 |
| 3755 | 9529576,651 | 355251,560 | 157,325 | J8 |
| 3756 | 9529193,164 | 356074,614 | 180,233 | M4 |
| 3757 | 9529195,472 | 356045,618 | 180,080 | M5 |
| 3758 | 9529180,025 | 356058,589 | 180,457 | M5 |
| 3759 | 9529182,987 | 356030,571 | 180,108 | M6 |
| 3760 | 9529167,661 | 356043,740 | 180,565 | M6 |
| 3761 | 9529170,357 | 356014,820 | 180,198 | M7 |
| 3762 | 9529154,783 | 356027,978 | 180,588 | M7 |
| 3763 | 9529158,093 | 355999,792 | 180,167 | M8 |
| 3764 | 9529142,263 | 356012,768 | 180,448 | M8 |
| 3765 | 9529265,134 | 355909,266 | 175,215 | M8 |
| 3766 | 9529249,958 | 355922,451 | 175,874 | M3 |
| 3767 | 9529262,591 | 355938,436 | 176,123 | M4 |
| 3768 | 9529275,321 | 355954,050 | 176,231 | M5 |
| 3769 | 9529287,951 | 355969,312 | 176,260 | M6 |
| 3770 | 9529300,631 | 355984,796 | 176,699 | M7 |
| 3771 | 9529313,338 | 356000,138 | 176,974 | M8 |
| 3772 | 9529405,702 | 355079,403 | 151,260 | M1 |
| 3773 | 9529385,638 | 355080,253 | 151,421 | M2 |
| 3774 | 9529365,020 | 355082,791 | 151,694 | M3 |
| 3775 | 9529345,045 | 355085,131 | 153,039 | M4 |
| 3776 | 9529320,796 | 355063,292 | 152,034 | M5 |
| 3777 | 9529321,480 | 355085,364 | 153,247 | M5 |
| 3778 | 9529299,243 | 355067,435 | 153,087 | M6 |
| 3779 | 9529299,753 | 355088,579 | 153,270 | M6 |
| 3780 | 9529279,512 | 355070,206 | 151,584 | M7 |
| 3781 | 9529279,690 | 355091,206 | 152,324 | M7 |
| 3782 | 9529396,956 | 354860,669 | 168,215 | M1 |
| 3783 | 9529378,679 | 354850,344 | 168,769 | M2 |
| 3784 | 9529375,174 | 354864,628 | 167,562 | M2 |
| 3785 | 9529360,002 | 354841,013 | 168,282 | M3 |
| 3786 | 9529357,104 | 354854,206 | 167,150 | M3 |
| 3787 | 9529354,206 | 354867,398 | 166,019 | M3 |
| 3788 | 9529341,036 | 354831,812 | 168,358 | M4 |
| 3789 | 9529338,350 | 354844,264 | 166,997 | M4 |
| 3790 | 9529335,665 | 354856,716 | 165,637 | M4 |
| 3791 | 9529332,979 | 354869,168 | 164,276 | M4 |
| 3792 | 9529320,993 | 354823,604 | 169,435 | M5 |
| 3793 | 9529318,470 | 354835,622 | 168,274 | M5 |
| 3794 | 9529315,948 | 354847,639 | 167,113 | M5 |
| 3795 | 9529313,425 | 354859,657 | 165,953 | M5 |
| 3796 | 9529310,902 | 354871,674 | 164,792 | M5 |
| 3797 | 9529295,507 | 354844,213 | 168,153 | M6 |
| 3798 | 9529292,427 | 354857,984 | 167,015 | M6 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3799 | 9529289,348 | 354871,754 | 165,877 | M6 |
| 3800 | 9529301,665 | 354816,672 | 170,229 | M6 |
| 3801 | 9529298,586 | 354830,443 | 169,201 | M6 |
| 3802 | 9529294,313 | 354948,655 | 161,851 | M6 |
| 3803 | 9529277,038 | 354952,750 | 159,549 | M7 |
| 3804 | 9529256,580 | 354956,390 | 158,493 | M8 |
| 3805 | 9529251,125 | 354933,185 | 159,437 | M8 |
| 3806 | 9529247,033 | 354914,076 | 161,068 | M8 |
| 3807 | 9529297,495 | 354985,964 | 157,925 | M6 |
| 3808 | 9529275,674 | 354985,054 | 155,976 | M7 |
| 3809 | 9529259,308 | 354985,509 | 154,867 | M8 |
| 3810 | 9529297,950 | 355006,894 | 154,503 | M6 |
| 3811 | 9529276,583 | 355007,349 | 153,148 | M7 |
| 3812 | 9529259,762 | 355008,259 | 152,628 | M8 |
| 3813 | 9529522,800 | 355036,307 | 150,241 | J5 |
| 3814 | 9529543,315 | 355035,148 | 150,180 | J6 |
| 3815 | 9529562,927 | 355033,993 | 150,266 | J7 |
| 3816 | 9529582,828 | 355032,550 | 151,052 | J8 |
| 3817 | 9529584,270 | 355053,044 | 150,243 | J8 |
| 3818 | 9529563,504 | 355054,487 | 150,293 | J7 |
| 3819 | 9529544,757 | 355055,931 | 150,612 | J6 |
| 3820 | 9529524,279 | 355057,085 | 150,821 | J5 |
| 3821 | 9529505,244 | 355057,951 | 150,218 | J4 |
| 3822 | 9529483,324 | 355059,683 | 150,148 | J3 |
| 3823 | 9529465,154 | 355061,415 | 150,068 | J2 |
| 3824 | 9529444,294 | 355064,016 | 150,272 | J1 |
| 3825 | 9529446,024 | 355083,644 | 151,369 | J1 |
| 3826 | 9529467,367 | 355082,201 | 151,400 | J2 |
| 3827 | 9529487,845 | 355080,469 | 151,428 | J3 |
| 3828 | 9529507,746 | 355078,160 | 151,662 | J4 |
| 3829 | 9529526,781 | 355077,871 | 151,394 | J5 |
| 3830 | 9529547,699 | 355077,285 | 150,819 | J6 |
| 3831 | 9529565,869 | 355075,265 | 150,319 | J7 |
| 3832 | 9529585,770 | 355073,822 | 150,267 | J8 |
| 3833 | 9529581,557 | 355018,182 | 153,356 | PC |
| 3834 | 9529560,254 | 355020,963 | 152,942 | PC |
| 3835 | 9529586,652 | 355108,565 | 152,420 | PC |
| 3836 | 9529316,790 | 355597,636 | 169,550 | PC |
| 3837 | 9529316,049 | 355575,400 | 168,641 | PC |
| 3838 | 9529412,816 | 356153,152 | 173,236 | J6 |
| 3839 | 9529427,647 | 356167,704 | 173,648 | J7 |
| 3840 | 9529440,151 | 356176,144 | 173,910 | J8 |
| 3841 | 9529422,703 | 356192,734 | 174,735 | J8 |
| 3842 | 9529410,489 | 356181,383 | 174,322 | J7 |
| 3843 | 9529460,567 | 356161,598 | 173,260 | PC |
| 3844 | 9529518,673 | 356116,672 | 174,323 | J8 |
| 3845 | 9529500,462 | 356105,456 | 174,708 | PC |
| 3846 | 9529486,920 | 356088,632 | 175,143 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3847 | 9529476,180 | 356076,014 | 175,115 | PC |
| 3848 | 9529579,490 | 356012,436 | 176,824 | J6 |
| 3849 | 9529602,837 | 356020,381 | 176,293 | J7 |
| 3850 | 9529628,052 | 356024,587 | 176,093 | PC |
| 3851 | 9529640,193 | 356009,165 | 176,472 | PC |
| 3852 | 9529620,581 | 356004,024 | 176,686 | PC |
| 3853 | 9529605,172 | 356001,687 | 176,775 | PC |
| 3854 | 9529587,428 | 355966,170 | 178,289 | PC |
| 3855 | 9529606,573 | 355970,376 | 177,877 | J6 |
| 3856 | 9529621,982 | 355974,582 | 177,593 | PC |
| 3857 | 9529634,590 | 355978,321 | 177,363 | PC |
| 3858 | 9529500,576 | 355932,055 | 180,659 | J1 |
| 3859 | 9529522,055 | 355933,457 | 181,126 | J2 |
| 3860 | 9529512,250 | 355922,708 | 181,293 | PC |
| 3861 | 9529534,196 | 355922,708 | 181,406 | PC |
| 3862 | 9529586,494 | 355951,683 | 178,933 | PC |
| 3863 | 9529611,242 | 355954,487 | 178,520 | PC |
| 3864 | 9529627,119 | 355958,225 | 178,297 | PC |
| 3865 | 9529638,792 | 355957,758 | 178,321 | PC |
| 3866 | 9529374,640 | 356236,457 | 175,922 | J8 |
| 3867 | 9529348,958 | 356255,618 | 176,674 | J8 |
| 3868 | 9529329,346 | 356269,171 | 177,082 | J1 |
| 3869 | 9529302,730 | 356296,276 | 177,183 | J8 |
| 3870 | 9529286,387 | 356309,361 | 176,758 | J8 |
| 3871 | 9529300,862 | 356272,442 | 177,280 | J7 |
| 3872 | 9529311,063 | 356287,490 | 177,255 | J8 |
| 3873 | 9529161,107 | 356408,669 | 176,175 | J8 |
| 3874 | 9529148,473 | 356420,845 | 176,935 | PC |
| 3875 | 9528963,592 | 356575,288 | 182,447 | J8 |
| 3876 | 9528840,733 | 356656,449 | 178,105 | J6 |
| 3877 | 9528855,484 | 356670,916 | 178,249 | J7 |
| 3878 | 9528870,826 | 356681,841 | 178,204 | J8 |
| 3879 | 9528857,845 | 356697,195 | 177,709 | J8 |
| 3880 | 9528164,971 | 356995,937 | 179,627 | M8 |
| 3881 | 9528182,499 | 357008,264 | 180,644 | M7 |
| 3882 | 9528202,395 | 357024,858 | 181,844 | M6 |
| 3883 | 9528218,028 | 357040,029 | 182,756 | M5 |
| 3884 | 9528316,697 | 357097,905 | 187,410 | J1 |
| 3885 | 9528329,487 | 357110,706 | 187,469 | J2 |
| 3886 | 9528345,594 | 357123,507 | 187,169 | J3 |
| 3887 | 9528359,332 | 357137,731 | 186,926 | J4 |
| 3888 | 9528374,965 | 357151,480 | 186,453 | J5 |
| 3889 | 9528390,598 | 357164,755 | 186,273 | J6 |
| 3890 | 9528404,336 | 357174,238 | 186,400 | PC |
| 3891 | 9528420,008 | 357154,330 | 185,981 | PC |
| 3892 | 9528474,588 | 357098,373 | 184,606 | J7 |
| 3893 | 9528498,748 | 357077,038 | 184,297 | J7 |
| 3894 | 9528572,317 | 356630,887 | 177,269 | M5 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3895 | 9528573,507 | 356603,498 | 175,484 | M6 |
| 3896 | 9528557,444 | 356618,681 | 176,459 | M6 |
| 3897 | 9528533,349 | 356575,216 | 174,029 | M8 |
| 3898 | 9528531,371 | 356646,823 | 177,726 | M6 |
| 3899 | 9528624,899 | 356570,467 | 177,283 | M5 |
| 3900 | 9528998,292 | 356126,117 | 181,733 | M8 |
| 3901 | 9529013,545 | 356117,053 | 181,775 | M8 |
| 3902 | 9529029,275 | 356102,265 | 181,553 | M8 |
| 3903 | 9529042,145 | 356094,155 | 181,469 | PC |
| 3904 | 9529378,043 | 355926,130 | 177,156 | M4 |
| 3905 | 9529463,457 | 355936,121 | 180,317 | M1 |
| 3906 | 9529426,271 | 355644,940 | 176,142 | M2 |
| 3907 | 9530075,185 | 354073,667 | 176,889 | E-38 |
| 3908 | 9530075,564 | 354053,675 | 178,064 | E-37 |
| 3909 | 9530075,980 | 354033,696 | 179,253 | E-36 |
| 3910 | 9530076,378 | 354013,688 | 179,547 | E-35 |
| 3911 | 9530076,719 | 353993,705 | 179,962 | E-34 |
| 3912 | 9530077,183 | 353973,690 | 180,067 | E-33 |
| 3913 | 9530077,561 | 353953,710 | 181,283 | E-32 |
| 3914 | 9530077,957 | 353933,703 | 182,592 | E-31 |
| 3915 | 9530078,354 | 353913,718 | 184,762 | E-14 |
| 3916 | 9530078,741 | 353893,714 | 185,573 | E-13 |
| 3917 | 9530079,521 | 353854,137 | 186,784 | E-11 |
| 3918 | 9530061,143 | 353846,117 | 186,600 | E-10 |
| 3919 | 9530042,948 | 353838,651 | 186,135 | E-09 |
| 3920 | 9530024,221 | 353830,890 | 185,685 | E-08 |
| 3921 | 9530005,628 | 353822,942 | 184,953 | E-07 |
| 3922 | 9529987,371 | 353814,945 | 180,400 | E-06 |
| 3923 | 9529968,709 | 353807,531 | 178,743 | E-05 |
| 3924 | 9529950,288 | 353799,716 | 180,358 | E-04 |
| 3925 | 9529931,930 | 353791,578 | 182,795 | E-03 |
| 3926 | 9529913,284 | 353784,234 | 185,113 | E-02 |
| 3927 | 9529894,991 | 353776,052 | 190,199 | E-01 |
| 3928 | 9529876,389 | 353768,574 | 191,078 | E-00 |
| 3929 | 9529857,901 | 353760,808 | 191,611 | E-01 |
| 3930 | 9529839,540 | 353752,842 | 193,633 | E-02 |
| 3931 | 9529818,374 | 353754,569 | 195,382 | J8-02 |
| 3932 | 9529821,167 | 353744,938 | 195,301 | E-03 |
| 3933 | 9529802,747 | 353737,018 | 195,835 | E-04 |
| 3934 | 9529784,267 | 353729,592 | 193,032 | E-05 |
| 3935 | 9529765,893 | 353721,729 | 191,746 | E-06 |
| 3936 | 9529747,446 | 353713,900 | 189,407 | E-07 |
| 3937 | 9529729,223 | 353706,023 | 187,564 | E-08 |
| 3938 | 9529710,632 | 353698,404 | 184,258 | E-09 |
| 3939 | 9529692,134 | 353690,620 | 183,416 | E-10 |
| 3940 | 9529673,762 | 353682,747 | 181,818 | E-11 |
| 3941 | 9529655,343 | 353674,995 | 187,470 | E-12 |
| 3942 | 9529636,962 | 353667,216 | 192,064 | E-13 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3943 | 9529618,578 | 353659,365 | 196,668 | E-14 |
| 3944 | 9529600,071 | 353651,556 | 199,972 | E-15 |
| 3945 | 9529581,615 | 353643,740 | 201,453 | E-16 |
| 3946 | 9529563,198 | 353636,067 | 202,100 | E-17 |
| 3947 | 9529547,363 | 353637,282 | 200,933 | BASE |
| 3948 | 9529653,943 | 353651,842 | 188,697 | J8-12 |
| 3949 | 9529703,940 | 353572,761 | 192,698 | J8-11 |
| 3950 | 9529787,242 | 353618,141 | 194,217 | J8-06 |
| 3951 | 9529732,986 | 353706,100 | 188,129 | J8-07 |
| 3952 | 9529679,609 | 353793,575 | 182,983 | J8-08 |
| 3953 | 9529628,043 | 353881,413 | 180,769 | J8-09 |
| 3954 | 9529577,172 | 353967,403 | 178,007 | J8-10 |
| 3955 | 9529657,763 | 354004,551 | 175,033 | J8-05 |
| 3956 | 9529713,342 | 353917,919 | 183,483 | J8-04 |
| 3957 | 9529765,268 | 353837,676 | 195,858 | J8-03 |
| 3958 | 9529873,692 | 353669,214 | 192,418 | J8-01 |
| 3959 | 9529602,984 | 353733,997 | 185,775 | J8-13 |
| 3960 | 9529552,828 | 353809,435 | 173,926 | J8-14 |
| 3961 | 9529503,084 | 353884,388 | 171,046 | J8-15 |
| 3962 | 9529417,894 | 353855,139 | 167,794 | J8-20 |
| 3963 | 9529467,569 | 353763,894 | 175,758 | J8-19 |
| 3964 | 9529518,691 | 353684,944 | 190,587 | J8-18 |
| 3965 | 9529568,513 | 353601,595 | 197,621 | J8-17 |
| 3966 | 9529621,674 | 353513,791 | 200,741 | J8-16 |
| 3967 | 9529544,778 | 353628,344 | 199,769 | E-18 |
| 3968 | 9529526,404 | 353620,404 | 195,744 | E-19 |
| 3969 | 9529471,152 | 353596,966 | 187,368 | E-22 |
| 3970 | 9529452,770 | 353589,210 | 188,501 | E-23 |
| 3971 | 9529434,446 | 353581,225 | 188,830 | E-24 |
| 3972 | 9529489,574 | 353604,769 | 186,167 | E-21 |
| 3973 | 9529508,032 | 353612,649 | 188,389 | E-20 |
| 3974 | 9529416,053 | 353573,567 | 185,044 | E-25 |
| 3975 | 9529397,496 | 353565,821 | 180,560 | E-26 |
| 3976 | 9529379,085 | 353557,914 | 178,209 | E-27 |
| 3977 | 9529360,717 | 353550,174 | 182,286 | E-28 |
| 3978 | 9529342,213 | 353542,412 | 184,718 | E-29 |
| 3979 | 9529323,864 | 353534,627 | 186,464 | E-30 |
| 3980 | 9529305,534 | 353526,847 | 187,403 | E-31 |
| 3981 | 9529287,164 | 353518,905 | 187,572 | E-32 |
| 3982 | 9529268,661 | 353511,225 | 187,592 | E-33 |
| 3983 | 9529250,277 | 353503,422 | 187,725 | E-34 |
| 3984 | 9529231,822 | 353495,533 | 187,854 | E-35 |
| 3985 | 9529213,497 | 353487,721 | 187,945 | E-36 |
| 3986 | 9529195,143 | 353479,994 | 187,779 | E-37 |
| 3987 | 9529176,823 | 353472,328 | 187,033 | E-38 |
| 3988 | 9529158,228 | 353464,275 | 186,204 | E-39 |
| 3989 | 9529139,837 | 353456,546 | 186,079 | E-40 |
| 3990 | 9529121,254 | 353448,763 | 184,596 | E-41 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3991 | 9529102,791 | 353441,036 | 182,974 | E-42 |
| 3992 | 9529061,539 | 353637,359 | 183,748 | J8-40 |
| 3993 | 9529113,361 | 353553,700 | 185,238 | J8-39 |
| 3994 | 9529168,053 | 353468,096 | 186,420 | F38 |
| 3995 | 9529220,591 | 353385,389 | 179,648 | J8-37 |
| 3996 | 9529276,378 | 353298,008 | 183,544 | J8-36 |
| 3997 | 9529365,465 | 353353,687 | 185,583 | J8-31 |
| 3998 | 9529309,102 | 353441,677 | 184,197 | J8-32 |
| 3999 | 9529255,427 | 353528,310 | 188,957 | J8-33 |
| 4000 | 9529201,371 | 353615,191 | 186,547 | J8-34 |
| 4001 | 9529149,701 | 353700,696 | 184,118 | J8-35 |
| 4002 | 9529264,329 | 353760,912 | 171,850 | J8-30 |
| 4003 | 9529311,258 | 353671,026 | 176,608 | J8-29 |
| 4004 | 9529357,387 | 353580,406 | 179,372 | F28 |
| 4005 | 9529405,737 | 353493,000 | 189,228 | J8-27 |
| 4006 | 9529451,332 | 353409,445 | 197,621 | J8-26 |
| 4007 | 9529536,862 | 353463,112 | 205,615 | J8-21 |
| 4008 | 9529482,941 | 353544,138 | 202,745 | J8-22 |
| 4009 | 9529434,476 | 353615,656 | 181,905 | J8-23 |
| 4010 | 9529378,316 | 353694,640 | 171,572 | J8-24 |
| 4011 | 9529316,322 | 353779,347 | 167,557 | J8-25 |
| 4012 | 9529754,594 | 353696,363 | 191,956 | PC |
| 4013 | 9529761,328 | 353678,850 | 193,057 | PC |
| 4014 | 9529767,644 | 353661,970 | 194,475 | PC |
| 4015 | 9529794,721 | 353680,406 | 197,674 | PC |
| 4016 | 9529784,837 | 353695,127 | 196,369 | PC |
| 4017 | 9529775,607 | 353707,730 | 194,013 | PC |
| 4018 | 9529755,380 | 353736,337 | 190,355 | PC |
| 4019 | 9529745,196 | 353751,045 | 186,941 | PC |
| 4020 | 9529737,483 | 353760,661 | 190,713 | PC |
| 4021 | 9529766,946 | 353769,179 | 191,241 | PC |
| 4022 | 9529773,827 | 353754,419 | 190,311 | PC |
| 4023 | 9529778,097 | 353743,606 | 191,877 | PC |
| 4024 | 9529789,020 | 353717,900 | 195,626 | PC |
| 4025 | 9529794,241 | 353704,629 | 196,633 | PC |
| 4026 | 9529800,574 | 353691,013 | 197,847 | PC |
| 4027 | 9529823,871 | 353697,743 | 196,360 | PC |
| 4028 | 9529815,050 | 353714,888 | 196,438 | PC |
| 4029 | 9529808,408 | 353726,482 | 196,440 | PC |
| 4030 | 9529794,286 | 353754,008 | 194,789 | PC |
| 4031 | 9529785,189 | 353771,544 | 192,517 | PC |
| 4032 | 9529775,462 | 353786,714 | 194,662 | PC |
| 4033 | 9529868,746 | 353787,815 | 192,744 | PC |
| 4034 | 9529860,783 | 353807,024 | 194,502 | PC |
| 4035 | 9529854,565 | 353823,370 | 195,176 | PC |
| 4036 | 9529077,143 | 353430,302 | 182,349 | E-43 |
| 4037 | 9529068,506 | 353448,858 | 183,249 | PC |
| 4038 | 9529060,560 | 353467,242 | 184,849 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4039 | 9529052,703 | 353485,693 | 184,972 | PC |
| 4040 | 9529084,584 | 353495,770 | 184,682 | PC |
| 4041 | 9529138,577 | 353475,820 | 186,274 | PC |
| 4042 | 9529144,489 | 353517,566 | 186,649 | PC |
| 4043 | 9529147,701 | 353500,989 | 186,635 | PC |
| 4044 | 9529153,812 | 353483,081 | 186,538 | PC |
| 4045 | 9529166,342 | 353445,170 | 185,608 | PC |
| 4046 | 9529172,309 | 353426,538 | 184,258 | PC |
| 4047 | 9529178,440 | 353407,722 | 182,840 | PC |
| 4048 | 9529200,534 | 353416,184 | 183,326 | PC |
| 4049 | 9529190,278 | 353432,856 | 184,577 | PC |
| 4050 | 9529184,074 | 353451,699 | 186,343 | PC |
| 4051 | 9529173,339 | 353491,336 | 187,192 | PC |
| 4052 | 9529168,572 | 353509,584 | 187,533 | PC |
| 4053 | 9529164,188 | 353519,753 | 187,304 | PC |
| 4054 | 9529184,329 | 353518,953 | 188,323 | PC |
| 4055 | 9529177,488 | 353535,596 | 188,008 | PC |
| 4056 | 9529190,565 | 353499,532 | 188,187 | PC |
| 4057 | 9529202,460 | 353462,395 | 186,632 | PC |
| 4058 | 9529207,288 | 353444,829 | 185,473 | PC |
| 4059 | 9529213,026 | 353427,471 | 184,188 | PC |
| 4060 | 9529233,060 | 353435,166 | 184,358 | PC |
| 4061 | 9529226,707 | 353452,578 | 185,508 | PC |
| 4062 | 9529209,280 | 353505,330 | 189,334 | PC |
| 4063 | 9529203,933 | 353523,049 | 189,544 | PC |
| 4064 | 9529197,386 | 353542,661 | 189,063 | PC |
| 4065 | 9529221,438 | 353550,341 | 189,699 | PC |
| 4066 | 9529225,611 | 353531,660 | 189,997 | PC |
| 4067 | 9529229,292 | 353513,149 | 189,077 | PC |
| 4068 | 9529237,236 | 353477,661 | 186,747 | PC |
| 4069 | 9529241,172 | 353460,185 | 185,629 | PC |
| 4070 | 9529245,682 | 353442,042 | 184,151 | PC |
| 4071 | 9529268,975 | 353453,854 | 183,568 | PC |
| 4072 | 9529262,601 | 353470,934 | 185,103 | PC |
| 4073 | 9529257,262 | 353487,731 | 186,403 | PC |
| 4074 | 9529246,422 | 353520,057 | 188,723 | PC |
| 4075 | 9529240,841 | 353536,369 | 189,499 | PC |
| 4076 | 9529234,663 | 353553,899 | 189,502 | PC |
| 4077 | 9529251,235 | 353563,534 | 188,629 | PC |
| 4078 | 9529257,685 | 353546,099 | 189,389 | PC |
| 4079 | 9529264,003 | 353528,243 | 188,752 | PC |
| 4080 | 9529276,674 | 353493,628 | 186,370 | PC |
| 4081 | 9529283,952 | 353473,236 | 185,194 | PC |
| 4082 | 9529289,163 | 353459,840 | 183,864 | PC |
| 4083 | 9529303,851 | 353467,906 | 184,626 | PC |
| 4084 | 9529298,632 | 353484,618 | 185,632 | PC |
| 4085 | 9529293,834 | 353502,046 | 186,540 | PC |
| 4086 | 9529283,369 | 353536,757 | 188,514 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4087 | 9529278,507 | 353554,310 | 188,845 | PC |
| 4088 | 9529273,631 | 353571,197 | 187,831 | PC |
| 4089 | 9529289,635 | 353577,246 | 185,510 | PC |
| 4090 | 9529295,712 | 353559,883 | 186,725 | PC |
| 4091 | 9529301,487 | 353543,317 | 187,494 | PC |
| 4092 | 9529313,286 | 353509,691 | 186,735 | PC |
| 4093 | 9529319,562 | 353492,900 | 185,921 | PC |
| 4094 | 9529325,614 | 353475,834 | 185,271 | PC |
| 4095 | 9529345,812 | 353481,801 | 185,979 | PC |
| 4096 | 9529337,960 | 353500,653 | 185,695 | PC |
| 4097 | 9529331,748 | 353517,666 | 185,486 | PC |
| 4098 | 9529319,233 | 353551,654 | 186,228 | PC |
| 4099 | 9529313,621 | 353567,524 | 184,977 | PC |
| 4100 | 9529307,012 | 353584,331 | 183,588 | PC |
| 4101 | 9529328,524 | 353593,524 | 181,754 | PC |
| 4102 | 9529333,614 | 353577,083 | 181,312 | PC |
| 4103 | 9529338,853 | 353560,261 | 184,549 | PC |
| 4104 | 9529348,981 | 353525,351 | 183,899 | PC |
| 4105 | 9529354,631 | 353506,521 | 184,024 | PC |
| 4106 | 9529359,737 | 353490,325 | 186,672 | PC |
| 4107 | 9529376,639 | 353500,291 | 186,794 | PC |
| 4108 | 9529371,464 | 353515,800 | 183,498 | PC |
| 4109 | 9529366,367 | 353532,986 | 182,687 | PC |
| 4110 | 9529357,647 | 353566,200 | 182,106 | PC |
| 4111 | 9529352,799 | 353581,928 | 179,276 | PC |
| 4112 | 9529348,554 | 353600,477 | 179,853 | PC |
| 4113 | 9529358,152 | 353609,100 | 178,634 | PC |
| 4114 | 9529364,890 | 353592,211 | 177,446 | PC |
| 4115 | 9529372,683 | 353575,552 | 178,211 | PC |
| 4116 | 9529387,682 | 353540,648 | 180,229 | PC |
| 4117 | 9529394,759 | 353524,999 | 183,884 | PC |
| 4118 | 9529401,474 | 353509,277 | 187,200 | PC |
| 4119 | 9529413,281 | 353516,630 | 189,449 | PC |
| 4120 | 9529407,842 | 353532,246 | 183,601 | PC |
| 4121 | 9529402,823 | 353548,556 | 183,451 | PC |
| 4122 | 9529393,442 | 353582,697 | 178,865 | PC |
| 4123 | 9529389,430 | 353599,905 | 177,191 | PC |
| 4124 | 9529384,263 | 353618,325 | 175,391 | PC |
| 4125 | 9529405,419 | 353622,840 | 176,104 | PC |
| 4126 | 9529409,141 | 353605,933 | 178,407 | PC |
| 4127 | 9529412,455 | 353590,882 | 181,866 | PC |
| 4128 | 9529421,277 | 353556,847 | 188,031 | PC |
| 4129 | 9529428,071 | 353523,173 | 191,243 | PC |
| 4130 | 9529451,920 | 353530,272 | 199,585 | PC |
| 4131 | 9529445,755 | 353546,931 | 197,305 | PC |
| 4132 | 9529440,366 | 353563,949 | 193,097 | PC |
| 4133 | 9529429,186 | 353597,394 | 184,545 | PC |
| 4134 | 9529424,041 | 353613,515 | 180,341 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4135 | 9529418,741 | 353632,473 | 177,061 | PC |
| 4136 | 9529431,927 | 353637,362 | 178,237 | PC |
| 4137 | 9529440,113 | 353618,315 | 182,100 | PC |
| 4138 | 9529446,457 | 353604,363 | 185,508 | PC |
| 4139 | 9529459,610 | 353572,994 | 192,989 | PC |
| 4140 | 9529464,510 | 353557,904 | 197,665 | PC |
| 4141 | 9529471,962 | 353539,646 | 202,221 | PC |
| 4142 | 9529489,375 | 353552,204 | 201,816 | PC |
| 4143 | 9529483,525 | 353565,714 | 196,751 | PC |
| 4144 | 9529477,863 | 353579,988 | 191,962 | PC |
| 4145 | 9529464,660 | 353611,717 | 183,614 | PC |
| 4146 | 9529457,619 | 353628,912 | 180,764 | PC |
| 4147 | 9529450,477 | 353645,754 | 178,951 | PC |
| 4148 | 9529474,135 | 353654,437 | 184,157 | PC |
| 4149 | 9529479,759 | 353636,562 | 184,499 | PC |
| 4150 | 9529484,989 | 353619,264 | 184,578 | PC |
| 4151 | 9529494,441 | 353589,108 | 191,663 | PC |
| 4152 | 9529499,110 | 353575,266 | 196,862 | PC |
| 4153 | 9529528,031 | 353565,794 | 201,821 | PC |
| 4154 | 9529521,283 | 353581,140 | 196,757 | PC |
| 4155 | 9529515,316 | 353595,538 | 190,477 | PC |
| 4156 | 9529494,203 | 353641,942 | 188,190 | PC |
| 4157 | 9529486,100 | 353660,528 | 186,738 | PC |
| 4158 | 9529504,804 | 353668,568 | 190,002 | PC |
| 4159 | 9529512,077 | 353650,276 | 192,004 | PC |
| 4160 | 9529519,246 | 353634,845 | 194,724 | PC |
| 4161 | 9529534,526 | 353602,639 | 192,089 | PC |
| 4162 | 9529541,425 | 353587,495 | 194,707 | PC |
| 4163 | 9529547,337 | 353573,488 | 200,173 | PC |
| 4164 | 9529570,186 | 353578,897 | 199,355 | PC |
| 4165 | 9529562,025 | 353594,019 | 196,096 | PC |
| 4166 | 9529553,728 | 353610,476 | 196,441 | PC |
| 4167 | 9529536,692 | 353643,165 | 199,531 | PC |
| 4168 | 9529528,684 | 353659,361 | 196,142 | PC |
| 4169 | 9529519,464 | 353674,899 | 192,755 | PC |
| 4170 | 9529547,637 | 353684,087 | 192,778 | PC |
| 4171 | 9529553,222 | 353667,640 | 197,485 | PC |
| 4172 | 9529557,486 | 353652,207 | 200,949 | PC |
| 4173 | 9529568,583 | 353619,131 | 198,724 | PC |
| 4174 | 9529575,554 | 353597,926 | 198,059 | PC |
| 4175 | 9529582,477 | 353577,316 | 199,818 | PC |
| 4176 | 9529603,308 | 353588,216 | 200,093 | PC |
| 4177 | 9529595,547 | 353606,812 | 198,920 | PC |
| 4178 | 9529588,376 | 353625,389 | 199,557 | PC |
| 4179 | 9529575,134 | 353660,144 | 201,005 | PC |
| 4180 | 9529569,938 | 353675,076 | 196,866 | PC |
| 4181 | 9529564,438 | 353688,439 | 192,533 | PC |
| 4182 | 9529583,127 | 353699,537 | 191,999 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4183 | 9529589,220 | 353684,391 | 194,986 | PC |
| 4184 | 9529594,508 | 353667,930 | 198,679 | PC |
| 4185 | 9529612,563 | 353615,237 | 197,134 | PC |
| 4186 | 9529619,935 | 353593,485 | 197,799 | PC |
| 4187 | 9529643,312 | 353608,796 | 191,732 | PC |
| 4188 | 9529635,925 | 353626,100 | 192,529 | PC |
| 4189 | 9529628,144 | 353641,999 | 195,466 | PC |
| 4190 | 9529609,643 | 353674,072 | 196,683 | PC |
| 4191 | 9529600,020 | 353689,666 | 194,499 | PC |
| 4192 | 9529590,500 | 353705,126 | 191,231 | PC |
| 4193 | 9529624,929 | 353718,279 | 187,916 | PC |
| 4194 | 9529628,397 | 353701,436 | 190,492 | PC |
| 4195 | 9529633,075 | 353683,824 | 191,734 | PC |
| 4196 | 9529642,658 | 353649,002 | 191,920 | PC |
| 4197 | 9529647,792 | 353632,339 | 190,525 | PC |
| 4198 | 9529658,034 | 353615,065 | 190,269 | PC |
| 4199 | 9529674,217 | 353619,626 | 189,586 | PC |
| 4200 | 9529667,740 | 353637,865 | 186,723 | PC |
| 4201 | 9529650,455 | 353691,197 | 187,578 | PC |
| 4202 | 9529644,839 | 353708,442 | 186,991 | PC |
| 4203 | 9529639,451 | 353726,212 | 185,784 | PC |
| 4204 | 9529660,764 | 353733,295 | 181,640 | PC |
| 4205 | 9529665,340 | 353717,135 | 182,801 | PC |
| 4206 | 9529669,264 | 353699,736 | 182,919 | PC |
| 4207 | 9529678,919 | 353664,035 | 184,691 | PC |
| 4208 | 9529683,249 | 353646,505 | 187,784 | PC |
| 4209 | 9529687,897 | 353628,401 | 190,721 | PC |
| 4210 | 9529711,030 | 353636,213 | 187,879 | PC |
| 4211 | 9529704,266 | 353652,925 | 187,277 | PC |
| 4212 | 9529698,805 | 353670,410 | 184,894 | PC |
| 4213 | 9529686,324 | 353707,420 | 181,697 | PC |
| 4214 | 9529681,110 | 353725,822 | 181,437 | PC |
| 4215 | 9529675,888 | 353744,238 | 181,211 | PC |
| 4216 | 9529691,941 | 353751,917 | 184,528 | PC |
| 4217 | 9529697,958 | 353733,350 | 183,715 | PC |
| 4218 | 9529704,572 | 353714,912 | 183,529 | PC |
| 4219 | 9529723,275 | 353662,442 | 188,694 | PC |
| 4220 | 9529731,110 | 353644,604 | 190,478 | PC |
| 4221 | 9529742,339 | 353671,474 | 189,794 | PC |
| 4222 | 9529735,910 | 353688,097 | 188,972 | PC |
| 4223 | 9529901,830 | 353816,829 | 189,159 | PC |
| 4224 | 9529907,717 | 353800,171 | 188,225 | PC |
| 4225 | 9529918,198 | 353768,495 | 186,210 | PC |
| 4226 | 9529923,437 | 353752,335 | 183,829 | PC |
| 4227 | 9529928,794 | 353733,122 | 184,121 | PC |
| 4228 | 9529943,116 | 353738,853 | 183,301 | PC |
| 4229 | 9529939,386 | 353755,159 | 182,872 | PC |
| 4230 | 9529935,905 | 353772,206 | 183,221 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4231 | 9529928,142 | 353808,783 | 182,346 | PC |
| 4232 | 9529924,620 | 353826,266 | 182,289 | PC |
| 4233 | 9529920,731 | 353846,142 | 182,979 | PC |
| 4234 | 9529937,468 | 353857,200 | 181,087 | PC |
| 4235 | 9529941,671 | 353837,742 | 181,363 | PC |
| 4236 | 9529945,194 | 353819,307 | 180,795 | PC |
| 4237 | 9529953,341 | 353782,654 | 181,317 | PC |
| 4238 | 9529957,804 | 353766,734 | 182,365 | PC |
| 4239 | 9529962,175 | 353751,405 | 182,398 | PC |
| 4240 | 9529977,722 | 353753,198 | 180,124 | PC |
| 4241 | 9529974,790 | 353771,775 | 181,633 | PC |
| 4242 | 9529970,950 | 353789,310 | 178,762 | PC |
| 4243 | 9529961,128 | 353845,474 | 179,450 | PC |
| 4244 | 9529956,919 | 353869,059 | 179,177 | PC |
| 4245 | 9529981,374 | 353876,953 | 175,950 | PC |
| 4246 | 9529983,247 | 353855,286 | 177,934 | PC |
| 4247 | 9529984,901 | 353835,783 | 179,583 | PC |
| 4248 | 9529987,979 | 353796,414 | 181,147 | PC |
| 4249 | 9529989,237 | 353778,347 | 180,135 | PC |
| 4250 | 9529991,821 | 353756,998 | 180,803 | PC |
| 4251 | 9530014,389 | 353768,004 | 185,074 | PC |
| 4252 | 9530011,596 | 353787,558 | 185,512 | PC |
| 4253 | 9530008,031 | 353805,465 | 185,696 | PC |
| 4254 | 9530002,863 | 353840,422 | 182,083 | PC |
| 4255 | 9529998,264 | 353859,619 | 179,818 | PC |
| 4256 | 9529995,562 | 353880,244 | 177,238 | PC |
| 4257 | 9530011,264 | 353885,515 | 180,502 | PC |
| 4258 | 9530015,202 | 353867,860 | 181,605 | PC |
| 4259 | 9530018,603 | 353849,022 | 183,646 | PC |
| 4260 | 9530026,622 | 353814,111 | 186,407 | PC |
| 4261 | 9530030,283 | 353796,150 | 186,775 | PC |
| 4262 | 9530036,867 | 353772,781 | 188,249 | PC |
| 4263 | 9530056,504 | 353779,232 | 188,446 | PC |
| 4264 | 9530051,847 | 353797,846 | 188,309 | PC |
| 4265 | 9530046,639 | 353818,572 | 187,384 | PC |
| 4266 | 9530036,369 | 353855,008 | 184,837 | PC |
| 4267 | 9530035,867 | 353877,336 | 182,890 | PC |
| 4268 | 9530052,085 | 353861,794 | 185,603 | PC |
| 4269 | 9530045,010 | 353878,843 | 184,563 | PC |
| 4270 | 9530048,565 | 353878,347 | 185,167 | PC |
| 4271 | 9530061,253 | 353878,283 | 185,877 | PC |
| 4272 | 9530060,655 | 353857,321 | 186,139 | PC |
| 4273 | 9530068,243 | 353827,566 | 187,571 | PC |
| 4274 | 9530076,161 | 353809,792 | 189,264 | PC |
| 4275 | 9530084,095 | 353791,753 | 190,970 | PC |
| 4276 | 9530106,191 | 353803,555 | 190,458 | PC |
| 4277 | 9530101,104 | 353823,092 | 189,232 | PC |
| 4278 | 9530100,900 | 353839,683 | 188,343 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4279 | 9530121,998 | 353835,931 | 188,723 | PC |
| 4280 | 9530108,340 | 353842,095 | 188,533 | PC |
| 4281 | 9530091,711 | 353848,988 | 187,167 | PC |
| 4282 | 9530136,410 | 353861,451 | 186,854 | PC |
| 4283 | 9530136,117 | 353879,121 | 186,843 | PC |
| 4284 | 9530139,444 | 353892,625 | 187,038 | PC |
| 4285 | 9530041,223 | 354791,960 | 153,262 | PC |
| 4286 | 9530080,519 | 354798,182 | 153,812 | PC |
| 4287 | 9530099,846 | 354800,892 | 154,181 | PC |
| 4288 | 9530120,852 | 354804,284 | 153,534 | PC |
| 4289 | 9530122,604 | 354780,809 | 155,035 | PC |
| 4290 | 9530102,320 | 354778,776 | 155,948 | PC |
| 4291 | 9530081,995 | 354777,018 | 156,213 | PC |
| 4292 | 9530042,477 | 354773,623 | 154,490 | PC |
| 4293 | 9530023,319 | 354771,976 | 153,958 | PC |
| 4294 | 9530003,418 | 354769,981 | 153,247 | PC |
| 4295 | 9530001,441 | 354754,181 | 153,620 | PC |
| 4296 | 9530022,305 | 354754,461 | 154,807 | PC |
| 4297 | 9530042,507 | 354754,890 | 156,055 | PC |
| 4298 | 9530082,589 | 354755,768 | 158,035 | PC |
| 4299 | 9530101,767 | 354755,976 | 157,196 | PC |
| 4300 | 9530121,242 | 354756,499 | 155,545 | PC |
| 4301 | 9530120,140 | 354734,742 | 155,847 | PC |
| 4302 | 9530101,061 | 354734,928 | 158,121 | PC |
| 4303 | 9530082,210 | 354735,326 | 159,501 | PC |
| 4304 | 9530043,665 | 354734,759 | 157,699 | PC |
| 4305 | 9530023,931 | 354734,025 | 156,244 | PC |
| 4306 | 9530002,052 | 354733,625 | 154,840 | PC |
| 4307 | 9530002,710 | 354722,021 | 155,559 | PC |
| 4308 | 9530023,996 | 354719,769 | 157,320 | PC |
| 4309 | 9530042,971 | 354717,619 | 158,931 | PC |
| 4310 | 9530000,753 | 354698,049 | 156,530 | PC |
| 4311 | 9530009,859 | 354673,626 | 158,399 | PC |
| 4312 | 9530105,370 | 354636,285 | 165,494 | PC |
| 4313 | 9530048,435 | 354535,397 | 166,631 | PC |
| 4314 | 9530049,594 | 354432,275 | 167,633 | PC |
| 4315 | 9530012,710 | 354389,669 | 165,644 | PC |
| 4316 | 9530032,900 | 354392,122 | 166,780 | PC |
| 4317 | 9530051,338 | 354394,235 | 168,528 | PC |
| 4318 | 9530092,100 | 354399,476 | 170,510 | PC |
| 4319 | 9530109,749 | 354401,495 | 169,151 | PC |
| 4320 | 9530130,076 | 354404,115 | 166,647 | PC |
| 4321 | 9530130,031 | 354375,873 | 167,296 | PC |
| 4322 | 9530108,836 | 354376,164 | 168,760 | PC |
| 4323 | 9530089,650 | 354376,673 | 170,184 | PC |
| 4324 | 9530050,582 | 354377,007 | 168,165 | PC |
| 4325 | 9530030,485 | 354377,027 | 166,730 | PC |
| 4326 | 9530011,841 | 354376,450 | 165,978 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4327 | 9530011,804 | 354358,267 | 166,925 | PC |
| 4328 | 9530031,923 | 354357,932 | 167,670 | PC |
| 4329 | 9530051,674 | 354356,635 | 168,405 | PC |
| 4330 | 9530094,865 | 354355,717 | 170,571 | PC |
| 4331 | 9530115,140 | 354354,932 | 168,904 | PC |
| 4332 | 9530132,929 | 354353,633 | 167,387 | PC |
| 4333 | 9530128,585 | 354337,460 | 167,419 | PC |
| 4334 | 9530109,346 | 354336,784 | 169,764 | PC |
| 4335 | 9530090,530 | 354336,829 | 170,292 | PC |
| 4336 | 9530049,898 | 354336,076 | 169,318 | PC |
| 4337 | 9530031,274 | 354335,645 | 168,972 | PC |
| 4338 | 9530006,638 | 354335,165 | 168,165 | PC |
| 4339 | 9530009,497 | 354305,283 | 170,792 | PC |
| 4340 | 9530030,139 | 354309,183 | 171,343 | PC |
| 4341 | 9530048,397 | 354312,439 | 171,403 | PC |
| 4342 | 9530099,156 | 354321,915 | 170,011 | PC |
| 4343 | 9530116,693 | 354325,008 | 168,473 | PC |
| 4344 | 9530133,315 | 354327,858 | 165,335 | PC |
| 4345 | 9530128,590 | 354301,210 | 166,803 | PC |
| 4346 | 9530111,497 | 354299,622 | 169,560 | PC |
| 4347 | 9530091,857 | 354298,131 | 172,146 | PC |
| 4348 | 9530031,703 | 354293,223 | 173,304 | PC |
| 4349 | 9530010,234 | 354288,439 | 172,728 | PC |
| 4350 | 9530012,533 | 354279,590 | 174,237 | PC |
| 4351 | 9530031,729 | 354278,929 | 174,963 | PC |
| 4352 | 9530051,624 | 354277,750 | 175,067 | PC |
| 4353 | 9530092,436 | 354275,660 | 172,998 | PC |
| 4354 | 9530109,789 | 354274,772 | 171,089 | PC |
| 4355 | 9530132,334 | 354276,905 | 167,684 | PC |
| 4356 | 9530127,867 | 354261,943 | 169,882 | PC |
| 4357 | 9530111,969 | 354262,325 | 171,603 | PC |
| 4358 | 9530092,722 | 354261,297 | 173,953 | PC |
| 4359 | 9530049,797 | 354251,770 | 176,708 | PC |
| 4360 | 9530030,969 | 354247,107 | 177,157 | PC |
| 4361 | 9530013,875 | 354242,089 | 176,536 | PC |
| 4362 | 9530012,744 | 354231,035 | 176,337 | PC |
| 4363 | 9530032,016 | 354233,221 | 177,719 | PC |
| 4364 | 9530051,291 | 354234,889 | 177,633 | PC |
| 4365 | 9530090,567 | 354237,942 | 175,967 | PC |
| 4366 | 9530109,197 | 354239,927 | 174,028 | PC |
| 4367 | 9530131,849 | 354241,798 | 170,597 | PC |
| 4368 | 9530129,162 | 354220,202 | 172,127 | PC |
| 4369 | 9530110,353 | 354219,208 | 174,605 | PC |
| 4370 | 9530092,674 | 354218,209 | 176,699 | PC |
| 4371 | 9530054,138 | 354215,274 | 180,440 | PC |
| 4372 | 9530039,930 | 354214,501 | 179,280 | PC |
| 4373 | 9530019,301 | 354213,262 | 178,370 | PC |
| 4374 | 9530017,661 | 354189,403 | 180,186 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4375 | 9530038,007 | 354192,157 | 179,732 | PC |
| 4376 | 9530059,638 | 354195,501 | 180,308 | PC |
| 4377 | 9530095,312 | 354199,007 | 176,763 | PC |
| 4378 | 9530114,527 | 354200,871 | 174,235 | PC |
| 4379 | 9530134,236 | 354202,244 | 175,106 | PC |
| 4380 | 9530127,315 | 354177,227 | 176,392 | PC |
| 4381 | 9530110,091 | 354177,373 | 175,817 | PC |
| 4382 | 9530092,854 | 354176,915 | 176,747 | PC |
| 4383 | 9530055,804 | 354176,616 | 179,189 | PC |
| 4384 | 9530037,482 | 354176,877 | 179,221 | PC |
| 4385 | 9530017,181 | 354176,788 | 180,533 | PC |
| 4386 | 9530014,273 | 354156,969 | 179,569 | PC |
| 4387 | 9530033,537 | 354157,019 | 177,836 | PC |
| 4388 | 9530054,148 | 354156,996 | 177,398 | PC |
| 4389 | 9530094,726 | 354156,436 | 176,891 | PC |
| 4390 | 9530114,202 | 354156,208 | 176,826 | PC |
| 4391 | 9530135,351 | 354156,170 | 177,329 | PC |
| 4392 | 9530132,918 | 354146,861 | 177,770 | PC |
| 4393 | 9530112,338 | 354143,225 | 176,821 | PC |
| 4394 | 9530092,030 | 354139,473 | 176,969 | PC |
| 4395 | 9530058,028 | 354134,129 | 176,182 | PC |
| 4396 | 9530035,606 | 354130,501 | 175,008 | PC |
| 4397 | 9530013,323 | 354126,747 | 174,639 | PC |
| 4398 | 9530017,093 | 354099,440 | 171,755 | PC |
| 4399 | 9530036,944 | 354098,251 | 172,686 | PC |
| 4400 | 9530056,005 | 354097,591 | 174,238 | PC |
| 4401 | 9530093,032 | 354096,355 | 177,744 | PC |
| 4402 | 9530112,539 | 354095,325 | 178,755 | PC |
| 4403 | 9530132,173 | 354094,215 | 178,883 | PC |
| 4404 | 9530115,466 | 354117,449 | 177,907 | PC |
| 4405 | 9530095,478 | 354117,244 | 177,146 | PC |
| 4406 | 9530058,139 | 354116,498 | 175,350 | PC |
| 4407 | 9530039,463 | 354116,069 | 173,865 | PC |
| 4408 | 9530018,275 | 354080,223 | 172,710 | PC |
| 4409 | 9530038,285 | 354079,060 | 174,418 | PC |
| 4410 | 9530056,910 | 354078,292 | 175,358 | PC |
| 4411 | 9530092,163 | 354076,018 | 178,773 | PC |
| 4412 | 9530110,048 | 354074,947 | 179,080 | PC |
| 4413 | 9530129,866 | 354074,520 | 180,466 | PC |
| 4414 | 9530123,760 | 354059,124 | 181,347 | PC |
| 4415 | 9530104,598 | 354058,926 | 179,733 | PC |
| 4416 | 9530089,883 | 354057,819 | 178,537 | PC |
| 4417 | 9530059,583 | 354055,829 | 177,529 | PC |
| 4418 | 9530041,647 | 354055,289 | 176,311 | PC |
| 4419 | 9530024,544 | 354053,866 | 175,097 | PC |
| 4420 | 9530032,174 | 354036,513 | 176,410 | PC |
| 4421 | 9530029,349 | 354036,222 | 175,859 | PC |
| 4422 | 9530046,730 | 354036,338 | 177,759 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4423 | 9530062,631 | 354037,184 | 178,225 | PC |
| 4424 | 9530096,597 | 354037,570 | 180,426 | PC |
| 4425 | 9530116,389 | 354037,886 | 181,728 | PC |
| 4426 | 9530133,565 | 354038,653 | 183,928 | PC |
| 4427 | 9530130,837 | 354017,292 | 183,313 | PC |
| 4428 | 9530111,736 | 354017,224 | 182,789 | PC |
| 4429 | 9530094,084 | 354017,035 | 181,113 | PC |
| 4430 | 9530057,151 | 354017,489 | 178,230 | PC |
| 4431 | 9530039,011 | 354015,215 | 176,368 | PC |
| 4432 | 9530021,292 | 354014,333 | 173,427 | PC |
| 4433 | 9530024,995 | 353999,945 | 173,616 | PC |
| 4434 | 9530042,780 | 353999,035 | 176,600 | PC |
| 4435 | 9530058,779 | 353997,876 | 178,843 | PC |
| 4436 | 9530097,803 | 353996,594 | 180,588 | PC |
| 4437 | 9530116,746 | 353995,642 | 182,035 | PC |
| 4438 | 9530138,543 | 353994,733 | 183,189 | PC |
| 4439 | 9530138,006 | 353979,582 | 183,064 | PC |
| 4440 | 9530114,719 | 353980,366 | 181,872 | PC |
| 4441 | 9530095,262 | 353979,476 | 179,635 | PC |
| 4442 | 9530050,333 | 353974,964 | 177,981 | PC |
| 4443 | 9530030,534 | 353973,739 | 177,346 | PC |
| 4444 | 9530097,135 | 353956,363 | 180,831 | PC |
| 4445 | 9530118,270 | 353954,268 | 181,561 | PC |
| 4446 | 9530137,883 | 353952,709 | 182,976 | PC |
| 4447 | 9530062,771 | 354693,507 | 161,599 | E-69 |
| 4448 | 9530063,175 | 354673,439 | 162,456 | E-68 |
| 4449 | 9530063,625 | 354653,351 | 164,359 | E-67 |
| 4450 | 9530064,021 | 354633,331 | 165,424 | E-66 |
| 4451 | 9530064,597 | 354613,325 | 166,769 | E-65 |
| 4452 | 9530064,965 | 354593,572 | 167,321 | E-64 |
| 4453 | 9530065,358 | 354573,610 | 167,712 | E-63 |
| 4454 | 9530065,748 | 354553,600 | 168,016 | E-62 |
| 4455 | 9530066,181 | 354533,610 | 168,023 | E-61 |
| 4456 | 9530066,522 | 354513,606 | 168,369 | E-60 |
| 4457 | 9530066,892 | 354493,613 | 168,246 | E-59 |
| 4458 | 9530067,300 | 354473,604 | 168,598 | E-58 |
| 4459 | 9530067,737 | 354453,589 | 168,017 | E-57 |
| 4460 | 9530068,047 | 354433,675 | 169,245 | E-56 |
| 4461 | 9530068,448 | 354413,627 | 169,968 | E-55 |
| 4462 | 9530068,901 | 354393,601 | 170,390 | E-54 |
| 4463 | 9530069,298 | 354373,625 | 170,165 | E-53 |
| 4464 | 9530069,655 | 354353,683 | 170,027 | E-52 |
| 4465 | 9530070,170 | 354333,625 | 169,994 | E-51 |
| 4466 | 9530070,499 | 354313,637 | 171,420 | E-50 |
| 4467 | 9530070,911 | 354293,612 | 173,371 | E-49 |
| 4468 | 9530071,218 | 354273,634 | 174,641 | E-48 |
| 4469 | 9530071,620 | 354253,697 | 175,761 | E-47 |
| 4470 | 9530072,046 | 354233,644 | 176,775 | E-46 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4471 | 9530072,375 | 354213,678 | 177,376 | E-45 |
| 4472 | 9530072,825 | 354193,684 | 179,353 | E-44 |
| 4473 | 9530073,248 | 354173,669 | 177,831 | E-43 |
| 4474 | 9530073,633 | 354153,679 | 177,375 | E-42 |
| 4475 | 9530074,063 | 354133,693 | 176,737 | E-41 |
| 4476 | 9530074,414 | 354113,672 | 175,738 | E-40 |
| 4477 | 9530074,806 | 354093,680 | 176,475 | E-39 |
| 4478 | 9530079,160 | 353873,700 | 186,429 | E-12 |
| 4480 | 9526877,545 | 357777,971 | 178,332 | BASE |
| 4481 | 9526852,088 | 357728,146 | 177,672 | J6-04 |
| 4482 | 9526786,965 | 357799,218 | 175,618 | J6-03 |
| 4483 | 9526719,231 | 357870,738 | 171,784 | J6-02 |
| 4484 | 9526582,787 | 357882,013 | 168,295 | J6-05 |
| 4485 | 9526643,290 | 357811,484 | 169,933 | J6-06 |
| 4486 | 9526711,045 | 357729,328 | 171,876 | J6-07 |
| 4487 | 9526772,753 | 357658,018 | 175,609 | J6-08 |
| 4488 | 9526842,761 | 357578,061 | 173,992 | J6-09 |
| 4489 | 9526896,739 | 357504,832 | 168,343 | J6-10 |
| 4490 | 9526772,260 | 357512,647 | 171,185 | J6-16 |
| 4491 | 9526706,251 | 357589,156 | 171,181 | J6-15 |
| 4492 | 9526576,661 | 357739,808 | 167,967 | J6-13 |
| 4493 | 9526432,718 | 357743,594 | 170,709 | J6-19 |
| 4494 | 9526493,676 | 357682,657 | 168,638 | J6-20 |
| 4495 | 9526569,999 | 357597,497 | 167,348 | J6-21 |
| 4496 | 9526633,036 | 357526,379 | 166,150 | J6-22 |
| 4497 | 9526704,138 | 357446,641 | 170,041 | J6-23 |
| 4498 | 9526758,096 | 357385,825 | 171,241 | J6-24 |
| 4499 | 9526497,726 | 357529,396 | 168,187 | J6-28 |
| 4500 | 9526457,384 | 357565,315 | 170,900 | DNPM P10 |
| 4501 | 9526439,559 | 357585,820 | 171,585 | J6-27 |
| 4502 | 9526369,970 | 357657,101 | 172,389 | J6-26 |
| 4503 | 9526296,314 | 357597,363 | 168,944 | J6-33 |
| 4504 | 9526353,450 | 357537,820 | 167,611 | J6-34 |
| 4505 | 9526426,893 | 357462,160 | 166,175 | J6-35 |
| 4506 | 9526495,912 | 357385,519 | 167,475 | J6-36 |
| 4507 | 9526563,037 | 357310,658 | 168,057 | J6-37 |
| 4508 | 9526628,210 | 357240,065 | 167,415 | J6-38 |
| 4509 | 9526693,267 | 357168,587 | 167,374 | J6-39 |
| 4510 | 9526629,446 | 357106,817 | 169,196 | J6-46 |
| 4511 | 9526559,222 | 357181,116 | 170,899 | J6-45 |
| 4512 | 9526490,947 | 357251,634 | 170,979 | J6-44 |
| 4513 | 9526422,898 | 357322,795 | 167,741 | J6-43 |
| 4514 | 9526354,843 | 357394,645 | 168,486 | J6-42 |
| 4515 | 9526281,862 | 357467,813 | 168,716 | J6-41 |
| 4516 | 9526214,074 | 357535,153 | 170,172 | J6-40 |
| 4517 | 9526150,760 | 357462,629 | 167,455 | J6-47 |
| 4518 | 9526292,639 | 357319,126 | 167,016 | J6-49 |
| 4519 | 9526353,419 | 357258,094 | 167,564 | J6-50 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4520 | 9526423,510 | 357188,932 | 171,001 | J6-51 |
| 4521 | 9526496,648 | 357117,061 | 169,665 | J6-52 |
| 4522 | 9526565,591 | 357049,215 | 166,800 | J6-53 |
| 4523 | 9526496,872 | 356961,287 | 164,768 | J6-60 |
| 4524 | 9526427,722 | 357036,441 | 167,960 | J6-59 |
| 4525 | 9526357,287 | 357110,869 | 170,470 | J6-58 |
| 4526 | 9526287,217 | 357184,715 | 168,196 | J6-57 |
| 4527 | 9526214,946 | 357257,419 | 167,855 | J6-56 |
| 4528 | 9526147,050 | 357325,811 | 168,116 | J6-55 |
| 4529 | 9526709,466 | 356663,509 | 164,436 | PC |
| 4530 | 9526870,357 | 356573,178 | 162,017 | PC |
| 4531 | 9526965,930 | 356521,428 | 162,701 | PC |
| 4532 | 9526827,203 | 356485,945 | 163,251 | PC |
| 4533 | 9526744,186 | 356534,407 | 163,164 | PC |
| 4534 | 9526696,964 | 356446,656 | 163,257 | PC |
| 4535 | 9526605,975 | 356497,834 | 164,928 | PC |
| 4536 | 9526779,777 | 356401,186 | 166,272 | PC |
| 4537 | 9526872,967 | 356350,798 | 164,831 | PC |
| 4538 | 9526825,648 | 356262,878 | 171,021 | PC |
| 4539 | 9526776,111 | 356169,566 | 174,691 | PC |
| 4540 | 9526969,033 | 356296,500 | 164,904 | PC |
| 4541 | 9527062,389 | 356243,622 | 164,349 | PC |
| 4542 | 9527152,942 | 356195,561 | 169,430 | PC |
| 4543 | 9527170,696 | 356297,541 | 164,629 | PC |
| 4544 | 9527060,135 | 356697,535 | 166,128 | J2-39 |
| 4545 | 9527012,893 | 356607,711 | 164,444 | J2-46 |
| 4546 | 9526926,139 | 356654,120 | 167,066 | J2-47 |
| 4547 | 9526970,677 | 356745,928 | 168,599 | J2-40 |
| 4548 | 9527143,380 | 356652,904 | 162,681 | J2-38 |
| 4549 | 9527279,447 | 356684,933 | 165,087 | J2-30 |
| 4550 | 9527335,882 | 356652,619 | 166,276 | J2-29 |
| 4551 | 9527192,471 | 356737,325 | 162,326 | J2-31 |
| 4552 | 9527107,161 | 356782,989 | 166,514 | J2-32 |
| 4553 | 9527018,631 | 356834,225 | 169,598 | J2-33 |
| 4554 | 9526927,902 | 356883,966 | 167,584 | J2-34 |
| 4555 | 9526979,428 | 356963,998 | 169,674 | J2-27 |
| 4556 | 9527073,186 | 356914,498 | 164,353 | J2-26 |
| 4557 | 9527237,692 | 356829,649 | 163,698 | J2-24 |
| 4558 | 9527316,681 | 356779,967 | 166,771 | J2-23 |
| 4559 | 9527399,502 | 356728,296 | 167,110 | J2-22 |
| 4560 | 9527444,586 | 356794,091 | 169,518 | J2-15 |
| 4561 | 9527365,489 | 356849,435 | 168,691 | J2-16 |
| 4562 | 9527287,397 | 356905,725 | 165,713 | J2-17 |
| 4563 | 9527114,178 | 357007,030 | 165,835 | J2-19 |
| 4564 | 9527028,665 | 357056,681 | 167,566 | J2-20 |
| 4565 | 9526945,419 | 357106,698 | 167,031 | J2-21 |
| 4566 | 9526997,666 | 357201,583 | 169,473 | J2-14 |
| 4567 | 9527083,059 | 357149,857 | 167,017 | J2-13 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4568 | 9527162,092 | 357100,507 | 170,084 | J2-12 |
| 4569 | 9527250,869 | 357046,091 | 168,223 | J2-11 |
| 4570 | 9527336,336 | 356994,647 | 167,780 | J2-10 |
| 4571 | 9527557,179 | 356995,581 | 173,573 | J2-01 |
| 4572 | 9527472,862 | 357043,232 | 172,563 | J2-02 |
| 4573 | 9527388,054 | 357090,345 | 171,028 | J2-03 |
| 4574 | 9527301,536 | 357136,073 | 170,679 | J2-04 |
| 4575 | 9527223,075 | 357183,609 | 170,778 | J2-05 |
| 4576 | 9527133,293 | 357238,840 | 169,301 | J2-06 |
| 4577 | 9527045,462 | 357286,996 | 169,649 | J2-07 |
| 4578 | 9527351,807 | 357224,203 | 173,510 | J2-74 |
| 4579 | 9527438,634 | 357175,052 | 174,670 | J2-73 |
| 4580 | 9527529,081 | 357123,222 | 174,543 | J2-72 |
| 4581 | 9527614,139 | 357074,641 | 171,557 | J2-71 |
| 4582 | 9527264,466 | 357272,604 | 172,233 | J2-75 |
| 4583 | 9527180,086 | 357320,730 | 170,120 | J2-76 |
| 4584 | 9527155,093 | 357451,331 | 170,920 | J2-70 |
| 4585 | 9527233,205 | 357406,029 | 171,767 | J2-69 |
| 4586 | 9527317,204 | 357358,813 | 173,423 | J2-68 |
| 4587 | 9527399,628 | 357310,690 | 174,615 | J2-67 |
| 4588 | 9527484,308 | 357262,877 | 176,580 | J2-66 |
| 4589 | 9527573,571 | 357212,319 | 175,865 | J2-65 |
| 4590 | 9527661,711 | 357161,596 | 172,070 | J2-64 |
| 4591 | 9527706,182 | 357258,494 | 175,372 | J2-57 |
| 4592 | 9527625,557 | 357301,744 | 177,899 | J2-58 |
| 4593 | 9527536,244 | 357350,240 | 178,789 | J2-59 |
| 4594 | 9527449,551 | 357397,958 | 177,467 | J2-60 |
| 4595 | 9527364,265 | 357446,109 | 176,020 | J2-61 |
| 4596 | 9527277,989 | 357495,673 | 175,092 | J2-62 |
| 4597 | 9527195,483 | 357542,651 | 172,506 | J2-63 |
| 4598 | 9527248,138 | 357629,671 | 172,266 | J2-56 |
| 4599 | 9527326,121 | 357584,662 | 175,113 | J2-55 |
| 4600 | 9527413,434 | 357536,240 | 177,226 | J2-54 |
| 4601 | 9527500,209 | 357485,743 | 178,499 | J2-53 |
| 4602 | 9527587,698 | 357437,352 | 180,454 | J2-52 |
| 4603 | 9527671,785 | 357394,693 | 180,650 | J2-51 |
| 4604 | 9527761,325 | 357338,961 | 176,654 | J2-50 |
| 4605 | 9528744,704 | 354725,145 | 168,580 | J3-03 |
| 4606 | 9528667,640 | 354785,340 | 165,897 | J3-02 |
| 4607 | 9528592,404 | 354847,426 | 162,439 | J3-01 |
| 4608 | 9528440,584 | 354836,536 | 161,873 | J3-04 |
| 4609 | 9528526,715 | 354768,058 | 166,152 | J3-05 |
| 4610 | 9528604,608 | 354708,692 | 172,765 | J3-06 |
| 4611 | 9528678,250 | 354644,650 | 173,183 | J3-07 |
| 4612 | 9528690,137 | 354503,470 | 176,839 | J3-12 |
| 4613 | 9528620,364 | 354565,285 | 178,270 | J3-11 |
| 4614 | 9528543,010 | 354630,811 | 179,977 | J3-10 |
| 4615 | 9528464,571 | 354693,959 | 170,018 | J3-09 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4616 | 9528388,134 | 354759,070 | 170,427 | J3-08 |
| 4617 | 9528247,660 | 354732,148 | 173,767 | J3-13 |
| 4618 | 9528322,432 | 354674,711 | 171,894 | J3-14 |
| 4619 | 9528404,040 | 354611,791 | 174,746 | J3-15 |
| 4620 | 9528477,973 | 354552,646 | 185,742 | J3-16 |
| 4621 | 9528550,588 | 354493,614 | 186,147 | J3-17 |
| 4622 | 9528628,152 | 354427,667 | 176,422 | J3-18 |
| 4623 | 9528565,946 | 354359,204 | 177,293 | J3-25 |
| 4624 | 9528489,640 | 354422,970 | 187,751 | J3-24 |
| 4625 | 9528420,896 | 354480,050 | 187,015 | J3-23 |
| 4626 | 9528331,672 | 354546,189 | 180,012 | J3-22 |
| 4627 | 9528246,048 | 354612,628 | 178,782 | J3-21 |
| 4628 | 9528161,363 | 354676,725 | 175,332 | J3-20 |
| 4629 | 9528086,591 | 354733,258 | 179,913 | J3-19 |
| 4630 | 9527971,304 | 354701,872 | 179,073 | J3-26 |
| 4631 | 9528046,456 | 354640,487 | 183,048 | J3-27 |
| 4632 | 9528120,125 | 354581,729 | 180,904 | J3-28 |
| 4633 | 9528196,210 | 354522,112 | 185,376 | J3-29 |
| 4634 | 9528272,426 | 354463,138 | 186,436 | J3-30 |
| 4635 | 9528354,828 | 354399,416 | 188,027 | J3-31 |
| 4636 | 9528429,412 | 354341,510 | 181,684 | J3-32 |
| 4637 | 9528500,226 | 354283,252 | 175,550 | J3-33 |
| 4638 | 9528454,203 | 354214,987 | 175,331 | J3-41 |
| 4639 | 9528367,861 | 354280,353 | 179,949 | J3-40 |
| 4640 | 9528233,060 | 354380,351 | 187,742 | J3-38 |
| 4641 | 9528095,438 | 354489,608 | 184,266 | J3-36 |
| 4642 | 9528027,071 | 354547,617 | 184,712 | J3-35 |
| 4643 | 9527952,539 | 354611,443 | 189,568 | J3-34 |
| 4644 | 9527787,442 | 354658,574 | 174,238 | PC |
| 4645 | 9527856,082 | 354595,432 | 180,895 | J3-42 |
| 4646 | 9527922,449 | 354535,097 | 188,775 | J3-43 |
| 4647 | 9527990,394 | 354474,719 | 188,972 | J3-44 |
| 4648 | 9528076,127 | 354398,819 | 185,437 | J3-45 |
| 4649 | 9530067,853 | 352745,553 | 196,751 | J14-13 |
| 4650 | 9530060,452 | 352759,399 | 196,602 | BASE |
| 4651 | 9529939,391 | 352905,524 | 195,957 | J14-15 |
| 4652 | 9530487,609 | 353366,501 | 191,558 | J14-46 |
| 4653 | 9530421,590 | 353444,165 | 195,246 | J14-47 |
| 4654 | 9530334,436 | 353546,302 | 198,640 | J14-48 |
| 4655 | 9530278,841 | 353452,036 | 200,420 | J14-45 |
| 4656 | 9530344,634 | 353374,809 | 196,383 | J14-44 |
| 4657 | 9530408,860 | 353298,509 | 192,327 | J14-43 |
| 4658 | 9530474,025 | 353222,629 | 189,044 | J14-42 |
| 4659 | 9530456,109 | 353082,798 | 186,379 | J14-37 |
| 4660 | 9530394,382 | 353155,485 | 191,342 | J14-38 |
| 4661 | 9530329,339 | 353230,594 | 194,738 | J14-39 |
| 4662 | 9530269,461 | 353301,783 | 198,180 | J14-40 |
| 4663 | 9530194,065 | 353389,608 | 201,143 | J14-41 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4664 | 9530121,425 | 353324,652 | 202,463 | J14-36 |
| 4665 | 9530189,869 | 353243,010 | 199,775 | J14-35 |
| 4666 | 9530253,387 | 353166,905 | 196,064 | J14-34 |
| 4667 | 9530326,797 | 353082,384 | 191,733 | J14-33 |
| 4668 | 9530384,459 | 353015,942 | 185,854 | J14-32 |
| 4669 | 9530310,190 | 352952,337 | 189,278 | J14-27 |
| 4670 | 9530243,740 | 353025,727 | 194,220 | J14-28 |
| 4671 | 9530176,339 | 353101,176 | 197,383 | J14-29 |
| 4672 | 9530110,158 | 353177,835 | 200,534 | J14-30 |
| 4673 | 9530045,383 | 353253,634 | 202,416 | J14-31 |
| 4674 | 9529971,657 | 353198,822 | 200,357 | J14-26 |
| 4675 | 9530037,576 | 353119,169 | 200,252 | J14-25 |
| 4676 | 9530104,189 | 353041,673 | 198,528 | J14-24 |
| 4677 | 9530176,429 | 352960,704 | 195,556 | J14-23 |
| 4678 | 9530239,855 | 352889,352 | 192,265 | J14-22 |
| 4679 | 9530147,036 | 352819,409 | 195,266 | J14-17 |
| 4680 | 9530082,841 | 352895,644 | 197,573 | J14-18 |
| 4681 | 9530019,347 | 352970,657 | 197,787 | J14-19 |
| 4682 | 9529949,994 | 353053,939 | 197,296 | J14-20 |
| 4683 | 9529890,289 | 353124,405 | 196,163 | J14-21 |
| 4684 | 9529887,134 | 352968,720 | 191,825 | J14-16 |
| 4685 | 9529802,900 | 352919,438 | 191,004 | J14-12 |
| 4686 | 9529859,794 | 352842,268 | 195,655 | J14-11 |
| 4687 | 9529920,255 | 352757,204 | 194,732 | J14-10 |
| 4688 | 9529977,744 | 352675,551 | 191,972 | J14-09 |
| 4689 | 9529841,471 | 352706,856 | 191,444 | J14-06 |
| 4690 | 9529780,422 | 352779,640 | 193,265 | J14-07 |
| 4691 | 9529717,302 | 352855,785 | 190,687 | J14-08 |
| 4692 | 9529656,569 | 352809,689 | 189,742 | J14-04 |
| 4693 | 9529713,084 | 352726,307 | 190,260 | J14-03 |
| 4694 | 9528647,924 | 352510,418 | 181,750 | PC |
| 4695 | 9528710,861 | 352588,481 | 180,800 | PC |
| 4696 | 9528779,113 | 352673,396 | 183,600 | PC |
| 4697 | 9528835,421 | 352743,025 | 187,532 | J15A-36 |
| 4698 | 9528683,071 | 352867,722 | 180,392 | F48 |
| 4699 | 9528740,573 | 352939,361 | 176,899 | J15A-47 |
| 4700 | 9528804,825 | 353020,824 | 172,428 | J15A-46 |
| 4701 | 9528622,190 | 352793,531 | 179,072 | PC |
| 4702 | 9528574,958 | 352735,523 | 177,590 | PC |
| 4703 | 9528558,054 | 352583,976 | 181,557 | PC |
| 4704 | 9528625,288 | 352656,398 | 178,768 | PC |
| 4705 | 9528697,685 | 352737,496 | 183,493 | PC |
| 4706 | 9528759,254 | 352804,754 | 183,208 | J15A-42 |
| 4707 | 9528815,599 | 352877,986 | 179,241 | J15A-41 |
| 4708 | 9528881,574 | 352961,579 | 178,121 | J15A-40 |
| 4709 | 9528966,364 | 352893,918 | 178,210 | J15A-34 |
| 4710 | 9528899,658 | 352817,856 | 183,759 | J15A-35 |
| 4711 | 9529041,359 | 352831,753 | 183,351 | J15A-28 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4712 | 9528977,554 | 352756,289 | 184,073 | J15A-29 |
| 4713 | 9528913,410 | 352680,164 | 192,833 | J15A-30 |
| 4714 | 9528780,826 | 352530,431 | 185,174 | J15B-32 |
| 4715 | 9528718,448 | 352461,696 | 183,391 | PC |
| 4716 | 9528791,197 | 352380,820 | 186,896 | J15B-27 |
| 4717 | 9528862,832 | 352459,742 | 189,315 | J15B-26 |
| 4718 | 9528991,774 | 352618,186 | 194,327 | J15A-24 |
| 4719 | 9529051,610 | 352693,008 | 194,729 | J15A-23 |
| 4720 | 9529111,984 | 352768,611 | 188,192 | J15A-22 |
| 4721 | 9529192,187 | 352714,254 | 187,091 | J15A-16 |
| 4722 | 9529129,890 | 352633,377 | 192,891 | J15A-17 |
| 4723 | 9529068,271 | 352555,500 | 197,763 | J15A-18 |
| 4724 | 9529008,057 | 352479,366 | 194,717 | J15B-19 |
| 4725 | 9528942,711 | 352398,502 | 191,993 | J15B-20 |
| 4726 | 9528880,795 | 352323,554 | 192,739 | J15B-21 |
| 4727 | 9528947,486 | 352243,819 | 197,957 | J15B-15 |
| 4728 | 9529016,178 | 352333,826 | 197,307 | J15B-14 |
| 4729 | 9529081,918 | 352413,338 | 193,470 | J15B-13 |
| 4730 | 9529144,770 | 352494,125 | 189,699 | J15A-12 |
| 4731 | 9529209,398 | 352573,270 | 186,734 | J15A-11 |
| 4732 | 9529271,605 | 352653,022 | 183,624 | J15A-10 |
| 4733 | 9529292,679 | 352510,995 | 182,314 | J15A-05 |
| 4734 | 9529225,060 | 352430,245 | 186,050 | J15A-06 |
| 4735 | 9529166,456 | 352345,671 | 191,980 | J15B-07 |
| 4736 | 9529111,772 | 352266,820 | 201,720 | J15B-08 |
| 4737 | 9529048,341 | 352176,099 | 207,908 | J15B-09 |
| 4738 | 9529090,574 | 352143,615 | 209,240 | J15B-04 |
| 4739 | 9529156,054 | 352223,682 | 206,279 | J15B-03 |
| 4740 | 9529220,417 | 352299,876 | 196,031 | J15B-02 |
| 4741 | 9529279,199 | 352384,664 | 186,537 | J15A-01 |
| 4742 | 9528154,688 | 354327,914 | 184,295 | J3-46 |
| 4743 | 9528305,433 | 354194,530 | 178,570 | J3-48 |
| 4744 | 9528378,237 | 354132,849 | 177,133 | J3-49 |
| 4745 | 9527999,053 | 354353,884 | 185,492 | J3-53 |
| 4746 | 9527926,855 | 354424,177 | 189,927 | J3-52 |
| 4747 | 9527860,483 | 354490,516 | 186,439 | J3-51 |
| 4748 | 9527771,554 | 354581,773 | 174,222 | J3-50 |
| 4749 | 9527769,428 | 354411,727 | 185,551 | J3-57 |
| 4750 | 9527984,697 | 354228,944 | 180,581 | J3-60 |
| 4751 | 9528038,402 | 354183,683 | 179,244 | J3-61 |
| 4752 | 9528112,694 | 354119,893 | 177,142 | J3-62 |
| 4753 | 9528189,758 | 354053,748 | 178,015 | J3-63 |
| 4754 | 9528125,724 | 353980,203 | 180,646 | J3-70 |
| 4755 | 9528045,988 | 354042,769 | 184,272 | J3-69 |
| 4756 | 9527966,335 | 354106,625 | 185,860 | J3-68 |
| 4757 | 9527897,251 | 354163,658 | 185,589 | J3-67 |
| 4758 | 9527812,284 | 354236,089 | 189,022 | J3-66 |
| 4759 | 9527737,105 | 354300,806 | 189,011 | J3-65 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4760 | 9527658,097 | 354372,685 | 180,504 | J3-64 |
| 4761 | 9527903,180 | 354695,477 | 180,644 | BASE |
| 4762 | 9527513,795 | 354618,487 | 160,192 | J16-06 |
| 4763 | 9527508,393 | 354501,497 | 166,682 | J16-07 |
| 4764 | 9527512,278 | 354401,360 | 168,407 | J16-08 |
| 4765 | 9527495,961 | 354296,902 | 177,242 | J16-09 |
| 4766 | 9527447,543 | 354200,869 | 193,700 | J16-10 |
| 4767 | 9527339,719 | 354225,427 | 201,113 | J16-15 |
| 4768 | 9527395,593 | 354313,288 | 182,793 | J16-14 |
| 4769 | 9527372,815 | 354434,538 | 175,258 | J16-13 |
| 4770 | 9527393,491 | 354528,197 | 171,556 | J16-12 |
| 4771 | 9527415,411 | 354626,841 | 163,290 | J16-11 |
| 4772 | 9527313,810 | 354627,619 | 163,221 | J16-16 |
| 4773 | 9527307,333 | 354518,899 | 171,955 | J16-17 |
| 4774 | 9527302,049 | 354425,142 | 174,124 | J16-18 |
| 4775 | 9527293,882 | 354324,601 | 184,519 | J16-19 |
| 4776 | 9527289,257 | 354238,892 | 198,318 | J16-20 |
| 4777 | 9527201,898 | 354226,773 | 187,716 | J16-25 |
| 4778 | 9527206,092 | 354324,807 | 183,334 | J16-24 |
| 4779 | 9527209,117 | 354422,887 | 173,762 | J16-23 |
| 4780 | 9527210,008 | 354526,457 | 166,209 | J16-22 |
| 4781 | 9527211,159 | 354629,389 | 161,664 | J16-21 |
| 4782 | 9527103,972 | 354630,888 | 167,170 | J16-26 |
| 4783 | 9527105,799 | 354535,405 | 168,481 | J16-27 |
| 4784 | 9527106,117 | 354426,839 | 174,491 | J16-28 |
| 4785 | 9527105,660 | 354328,020 | 179,934 | J16-29 |
| 4786 | 9527099,553 | 354231,454 | 176,756 | J16-30 |
| 4787 | 9527017,148 | 354216,721 | 172,533 | J16-35 |
| 4788 | 9527015,997 | 354328,026 | 171,396 | J16-34 |
| 4789 | 9527015,256 | 353879,114 | 180,356 | J17-07 |
| 4790 | 9526930,094 | 353821,634 | 178,215 | J17-06 |
| 4791 | 9526844,217 | 353763,045 | 177,123 | J17-05 |
| 4792 | 9526757,224 | 353704,751 | 177,976 | J17-04 |
| 4793 | 9526671,234 | 353644,629 | 176,289 | J17-03 |
| 4794 | 9526585,478 | 353585,525 | 176,780 | J17-02 |
| 4795 | 9526504,658 | 353531,178 | 171,807 | J17-01 |
| 4796 | 9526581,782 | 353425,745 | 182,997 | J17-08 |
| 4797 | 9526659,089 | 353491,271 | 183,199 | J17-09 |
| 4798 | 9526735,960 | 353556,719 | 180,987 | J17-10 |
| 4799 | 9526813,646 | 353621,523 | 181,357 | J17-11 |
| 4800 | 9526894,155 | 353687,733 | 180,838 | J17-12 |
| 4801 | 9526984,485 | 353762,622 | 180,856 | J17-13 |
| 4802 | 9527059,356 | 353825,736 | 182,161 | J17-14 |
| 4803 | 9527115,047 | 353718,218 | 184,967 | J17-21 |
| 4804 | 9527033,711 | 353659,535 | 185,923 | J17-20 |
| 4805 | 9526957,123 | 353603,889 | 186,103 | J17-19 |
| 4806 | 9526873,331 | 353543,979 | 185,987 | J17-18 |
| 4807 | 9526790,028 | 353482,795 | 184,531 | J17-17 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4808 | 9526712,786 | 353427,557 | 189,400 | J17-16 |
| 4809 | 9526631,471 | 353369,476 | 186,341 | J17-15 |
| 4810 | 9526734,970 | 353376,721 | 195,545 | J17-23 |
| 4811 | 9526851,514 | 353420,234 | 190,131 | J17-24 |
| 4812 | 9526931,542 | 353461,404 | 189,531 | J17-25 |
| 4813 | 9527011,053 | 353521,458 | 189,085 | J17-26 |
| 4814 | 9527092,106 | 353577,096 | 187,216 | J17-27 |
| 4815 | 9527177,546 | 353638,570 | 183,155 | J17-28 |
| 4816 | 9527085,946 | 353419,186 | 183,864 | J17-33 |
| 4817 | 9527163,219 | 353475,997 | 184,147 | J17-34 |
| 4818 | 9527249,691 | 353539,904 | 186,111 | J17-35 |
| 4819 | 9526914,641 | 353297,990 | 191,667 | J17-31 |
| 4820 | 9526839,310 | 353242,284 | 195,973 | J17-30 |
| 4821 | 9526756,372 | 353185,457 | 201,137 | J17-29 |
| 4822 | 9526813,658 | 353110,183 | 199,277 | J17-36 |
| 4823 | 9526894,007 | 353161,836 | 191,749 | J17-37 |
| 4824 | 9526980,502 | 353218,044 | 185,183 | J17-38 |
| 4825 | 9527061,542 | 353274,830 | 188,544 | J17-39 |
| 4826 | 9527151,835 | 353336,310 | 192,739 | J17-40 |
| 4827 | 9527229,285 | 353387,462 | 192,251 | J17-41 |
| 4828 | 9527314,904 | 353443,124 | 190,978 | J17-42 |
| 4829 | 9526057,391 | 353573,426 | 170,434 | J18-45 |
| 4830 | 9525958,248 | 353604,459 | 169,267 | J18-46 |
| 4831 | 9525848,690 | 353640,989 | 170,493 | J18-47 |
| 4832 | 9525751,625 | 353675,304 | 169,645 | J18-48 |
| 4833 | 9525685,445 | 353694,166 | 165,221 | J18-49 |
| 4834 | 9525645,893 | 353600,575 | 166,131 | J18-42 |
| 4835 | 9525740,346 | 353567,812 | 174,003 | J18-41 |
| 4836 | 9525841,633 | 353535,071 | 173,307 | J18-40 |
| 4837 | 9525929,657 | 353505,613 | 173,249 | J18-39 |
| 4838 | 9526019,135 | 353477,198 | 173,437 | J18-38 |
| 4839 | 9526114,209 | 353446,473 | 170,675 | J18-37 |
| 4840 | 9526213,283 | 353397,272 | 170,150 | J18-36 |
| 4841 | 9526166,462 | 353318,515 | 171,243 | J18-29 |
| 4842 | 9526078,597 | 353349,370 | 178,884 | J18-30 |
| 4843 | 9525988,013 | 353378,647 | 174,609 | J18-31 |
| 4844 | 9525894,316 | 353409,488 | 176,636 | J18-32 |
| 4845 | 9528855,017 | 352610,409 | 189,003 | J15B-31 |
| 4846 | 9528926,944 | 352537,886 | 190,825 | J15B-25 |
| 4847 | 9529831,493 | 353979,173 | 197,962 | J2 |
| 4848 | 9529875,401 | 354062,495 | 190,452 | J6 |
| 4849 | 9529500,678 | 354297,920 | 163,198 | M8 |
| 4850 | 9529382,883 | 354516,135 | 153,833 | M8 |
| 4851 | 9529723,771 | 354504,244 | 162,707 | J7 |
| 4852 | 9529746,504 | 354490,137 | 163,039 | J8 |
| 4853 | 9529741,508 | 354509,184 | 162,137 | J8 |
| 4854 | 9529718,365 | 354566,589 | 158,948 | J8 |
| 4855 | 9529711,866 | 354584,534 | 157,926 | J8 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4856 | 9529705,127 | 354603,442 | 156,703 | J8 |
| 4857 | 9529439,758 | 355011,924 | 153,171 | J1 |
| 4858 | 9529460,013 | 354993,196 | 152,946 | J2 |
| 4859 | 9529558,521 | 355007,022 | 154,304 | J7 |
| 4860 | 9529578,844 | 355006,850 | 154,309 | J8 |
| 4862 | 9531390,564 | 356425,218 | 155,046 | J5-07 |
| 4863 | 9531469,228 | 356496,695 | 155,411 | J5-06 |
| 4864 | 9531536,331 | 356574,451 | 156,968 | J5-05 |
| 4865 | 9531602,687 | 356641,594 | 158,395 | J5-04 |
| 4866 | 9531669,633 | 356714,973 | 152,466 | J5-03 |
| 4867 | 9531744,688 | 356791,867 | 151,295 | J5-02 |
| 4868 | 9531799,280 | 356848,662 | 151,470 | J5-01 |
| 4869 | 9531726,681 | 356936,779 | 151,382 | J5-08 |
| 4870 | 9531664,044 | 356863,081 | 153,122 | J5-09 |
| 4871 | 9531599,576 | 356793,341 | 155,876 | J5-10 |
| 4872 | 9531527,458 | 356715,750 | 161,036 | J5-11 |
| 4873 | 9531457,686 | 356640,772 | 159,324 | J5-12 |
| 4874 | 9531381,957 | 356566,783 | 159,134 | J5-13 |
| 4875 | 9531320,114 | 356497,484 | 158,970 | J5-14 |
| 4876 | 9531250,837 | 356566,414 | 154,991 | J5-21 |
| 4877 | 9531315,744 | 356636,422 | 159,284 | J5-20 |
| 4878 | 9531382,332 | 356710,708 | 161,605 | J5-19 |
| 4879 | 9531450,395 | 356786,406 | 159,358 | J5-18 |
| 4880 | 9531519,257 | 356861,950 | 159,190 | J5-17 |
| 4881 | 9531584,633 | 356933,724 | 156,480 | J5-16 |
| 4882 | 9531790,295 | 357016,134 | 156,258 | J5-39 |
| 4883 | 9531657,655 | 357144,986 | 162,420 | J5-41 |
| 4884 | 9531581,391 | 357217,704 | 163,437 | J5-42 |
| 4885 | 9531234,417 | 356847,352 | 161,675 | J5-29 |
| 4886 | 9531245,796 | 356714,005 | 157,046 | J5-27 |
| 4887 | 9531307,236 | 356779,096 | 160,866 | J5-26 |
| 4888 | 9531374,914 | 356850,894 | 163,562 | J5-25 |
| 4889 | 9531442,858 | 356923,456 | 161,947 | J5-24 |
| 4890 | 9531510,417 | 356994,851 | 161,590 | J5-23 |
| 4891 | 9531572,873 | 357062,211 | 158,233 | J5-22 |
| 4892 | 9531163,487 | 356913,703 | 163,460 | J5-30 |
| 4893 | 9531233,140 | 356989,595 | 164,146 | J5-32 |
| 4894 | 9531302,603 | 356923,539 | 164,516 | J5-31 |
| 4895 | 9531369,432 | 356993,156 | 164,751 | J5-33 |
| 4896 | 9531305,401 | 357061,109 | 164,590 | J5-34 |
| 4897 | 9531369,794 | 357139,127 | 167,243 | J5-36 |
| 4898 | 9531438,964 | 357067,286 | 166,206 | J5-35 |
| 4899 | 9531510,537 | 357143,982 | 162,146 | J5-37 |
| 4900 | 9531433,906 | 357210,637 | 168,518 | J5-38 |
| 4901 | 9531438,462 | 357355,520 | 173,255 | J5-44 |
| 4902 | 9531358,246 | 357440,135 | 179,435 | J5-45 |
| 4903 | 9531430,665 | 357503,108 | 179,146 | J5-52 |
| 4904 | 9531492,780 | 357438,090 | 175,583 | J5-51 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4905 | 9531573,205 | 357360,088 | 173,159 | J5-50 |
| 4906 | 9531650,630 | 357285,474 | 165,625 | J5-49 |
| 4907 | 9531708,935 | 357227,961 | 168,927 | J5-48 |
| 4908 | 9531788,917 | 357149,309 | 163,333 | J5-47 |
| 4909 | 9531861,133 | 357085,738 | 158,663 | J5-46 |
| 4910 | 9531944,243 | 357155,276 | 158,955 | J5-53 |
| 4911 | 9531872,552 | 357217,000 | 167,268 | J5-54 |
| 4912 | 9531813,113 | 357281,202 | 170,222 | J5-55 |
| 4913 | 9531724,419 | 357355,836 | 173,646 | J5-56 |
| 4914 | 9531644,569 | 357431,196 | 176,454 | J5-57 |
| 4915 | 9531567,634 | 357503,406 | 177,478 | J5-58 |
| 4916 | 9531497,868 | 357569,127 | 178,880 | J5-59 |
| 4917 | 9529307,338 | 357410,389 | 177,390 | J7-02 |
| 4918 | 9529308,756 | 357509,075 | 174,614 | J7-03 |
| 4919 | 9529310,455 | 357310,415 | 171,700 | J7-01 |
| 4920 | 9529406,700 | 357308,011 | 171,901 | J7-04 |
| 4921 | 9529410,413 | 357407,322 | 174,126 | J7-05 |
| 4922 | 9529411,298 | 357507,844 | 175,005 | J7-06 |
| 4923 | 9529513,319 | 357507,687 | 177,419 | J7-09 |
| 4924 | 9529513,684 | 357406,271 | 171,220 | J7-08 |
| 4925 | 9529509,313 | 357304,868 | 171,147 | J7-07 |
| 4926 | 9529613,064 | 357296,227 | 178,248 | J7-10 |
| 4927 | 9529613,387 | 357402,612 | 171,846 | J7-11 |
| 4928 | 9529612,934 | 357501,779 | 170,648 | J7-12 |
| 4929 | 9529711,477 | 357401,748 | 173,249 | J7-14 |
| 4930 | 9529714,052 | 357306,758 | 179,892 | J7-13 |
| 4931 | 9529814,668 | 357307,064 | 175,162 | J7-16 |
| 4932 | 9529809,986 | 357404,755 | 169,430 | J7-17 |
| 4933 | 9529806,176 | 357488,558 | 167,469 | J7-18 |
| 4934 | 9529900,552 | 357506,018 | 167,513 | J7-21 |
| 4935 | 9529906,395 | 357408,650 | 170,450 | J7-20 |
| 4936 | 9529912,187 | 357312,229 | 173,810 | J7-19 |
| 4937 | 9530013,466 | 357318,416 | 170,513 | J7-22 |
| 4938 | 9530004,814 | 357411,863 | 168,198 | J7-23 |
| 4939 | 9529999,369 | 357511,967 | 166,707 | J7-24 |
| 4940 | 9530095,731 | 357522,299 | 169,658 | J7-27 |
| 4941 | 9530104,438 | 357422,914 | 166,565 | J7-26 |
| 4942 | 9530116,043 | 357332,674 | 164,651 | J7-25 |
| 4943 | 9530190,827 | 357524,726 | 170,279 | J7-30 |
| 4944 | 9530204,591 | 357432,448 | 168,650 | J7-29 |
| 4945 | 9530214,783 | 357334,950 | 167,782 | J7-28 |
| 4946 | 9530296,727 | 357534,182 | 168,915 | J7-33 |
| 4947 | 9530304,760 | 357442,019 | 168,107 | J7-32 |
| 4948 | 9530312,388 | 357347,744 | 166,287 | J7-31 |
| 4949 | 9526703,207 | 358133,965 | 171,708 | BUEIRO |
| 4950 | 9526713,578 | 358141,110 | 172,218 | BUEIRO |
| 4951 | 9526715,306 | 358139,320 | 172,109 | BUEIRO |
| 4952 | 9526715,504 | 358139,656 | 170,508 | BUEIRO |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4953 | 9526232,161 | 358670,249 | 188,521 | EX |
| 4954 | 9526266,697 | 358631,521 | 187,043 | EX |
| 4955 | 9526301,168 | 358593,321 | 184,890 | EX |
| 4956 | 9526335,937 | 358554,579 | 182,734 | EX |
| 4957 | 9526370,850 | 358515,655 | 181,063 | EX |
| 4958 | 9526405,534 | 358476,668 | 180,077 | EX |
| 4959 | 9526439,511 | 358438,829 | 179,105 | EX |
| 4960 | 9526473,853 | 358400,553 | 178,191 | EX |
| 4961 | 9526508,557 | 358361,813 | 177,255 | EX |
| 4962 | 9526541,839 | 358324,448 | 176,348 | EX |
| 4963 | 9526575,334 | 358286,897 | 175,372 | EX |
| 4964 | 9526610,092 | 358248,139 | 174,570 | EX |
| 4965 | 9526643,777 | 358210,463 | 174,166 | EX |
| 4966 | 9526677,246 | 358173,151 | 173,796 | EX |
| 4967 | 9526712,098 | 358134,334 | 173,423 | EX |
| 4968 | 9526745,533 | 358097,026 | 173,544 | EX |
| 4969 | 9526779,759 | 358058,861 | 174,664 | EX |
| 4970 | 9526863,520 | 357965,243 | 177,887 | EX |
| 4971 | 9526829,843 | 358002,761 | 176,619 | EX |
| 4972 | 9526863,583 | 357965,271 | 177,864 | EX |
| 4973 | 9526897,021 | 357927,796 | 178,883 | EX |
| 4974 | 9526930,826 | 357889,937 | 179,019 | EX |
| 4975 | 9524986,877 | 353685,178 | 175,498 | BASE |
| 4976 | 9525752,097 | 353625,657 | 172,152 | BASE |
| 4977 | 9525089,699 | 353789,915 | 176,202 | J19-43 |
| 4978 | 9525019,074 | 353725,581 | 173,440 | J19-44 |
| 4979 | 9524949,548 | 353664,689 | 175,240 | J19-45 |
| 4980 | 9524870,382 | 353596,763 | 173,508 | J19-46 |
| 4981 | 9524797,606 | 353531,965 | 169,744 | J19-47 |
| 4982 | 9524724,475 | 353464,771 | 172,476 | J19-48 |
| 4983 | 9524653,821 | 353411,661 | 178,034 | J19-49 |
| 4984 | 9524716,309 | 353320,299 | 182,104 | J19-42 |
| 4985 | 9524786,243 | 353384,569 | 177,607 | J19-41 |
| 4986 | 9524868,895 | 353455,532 | 173,660 | J19-40 |
| 4987 | 9524939,355 | 353517,448 | 176,578 | J19-39 |
| 4988 | 9525014,854 | 353583,037 | 174,833 | J19-38 |
| 4989 | 9525087,576 | 353643,098 | 172,943 | J19-37 |
| 4990 | 9525164,072 | 353716,836 | 172,692 | J19-36 |
| 4991 | 9525230,791 | 353640,606 | 167,454 | J19-29 |
| 4992 | 9525147,649 | 353564,999 | 172,162 | J19-30 |
| 4993 | 9525080,647 | 353506,099 | 176,244 | J19-31 |
| 4994 | 9525009,473 | 353442,148 | 180,866 | J19-32 |
| 4995 | 9524931,397 | 353374,396 | 177,593 | J19-33 |
| 4996 | 9524860,079 | 353313,478 | 181,850 | J19-34 |
| 4997 | 9524780,952 | 353246,732 | 187,908 | J19-35 |
| 4998 | 9524858,007 | 353172,540 | 186,798 | J19-28 |
| 4999 | 9524932,988 | 353231,987 | 182,117 | J19-27 |
| 5000 | 9525076,070 | 353366,148 | 180,023 | J19-25 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5001 | 9525149,990 | 353429,947 | 177,955 | J19-24 |
| 5002 | 9525230,639 | 353498,930 | 177,530 | J19-23 |
| 5003 | 9525298,862 | 353556,631 | 169,297 | J19-22 |
| 5004 | 9525362,821 | 353480,947 | 172,616 | J19-15 |
| 5005 | 9525229,587 | 353360,955 | 172,037 | J19-17 |
| 5006 | 9525148,637 | 353289,133 | 179,339 | J19-18 |
| 5007 | 9525068,970 | 353221,435 | 178,619 | J19-19 |
| 5008 | 9525004,565 | 353165,282 | 178,026 | J19-20 |
| 5009 | 9524931,623 | 353102,948 | 178,448 | J19-21 |
| 5010 | 9524988,244 | 353017,795 | 175,891 | J19-14 |
| 5011 | 9525059,716 | 353083,833 | 171,183 | J19-13 |
| 5012 | 9525130,480 | 353147,039 | 175,540 | J19-12 |
| 5013 | 9525280,877 | 353282,282 | 173,669 | J19-10 |
| 5014 | 9525357,846 | 353350,387 | 166,995 | J19-09 |
| 5015 | 9525426,544 | 353416,764 | 163,334 | J19-08 |
| 5016 | 9525496,174 | 353345,814 | 164,072 | J19-01 |
| 5017 | 9525428,505 | 353281,436 | 164,430 | J19-02 |
| 5018 | 9525350,398 | 353210,894 | 169,774 | J19-03 |
| 5019 | 9525209,494 | 353082,993 | 166,299 | J19-05 |
| 5020 | 9525130,492 | 353011,532 | 170,228 | J19-06 |
| 5021 | 9525061,137 | 352948,287 | 171,627 | J19-07 |
| 5022 | 9525709,029 | 353470,495 | 176,498 | J18-34 |
| 5023 | 9525615,094 | 353501,116 | 172,507 | J18-35 |
| 5024 | 9525580,042 | 353406,063 | 174,001 | J18-28 |
| 5025 | 9525670,526 | 353375,954 | 175,395 | J18-27 |
| 5026 | 9525764,197 | 353344,624 | 180,854 | J18-26 |
| 5027 | 9525861,726 | 353312,929 | 181,398 | J18-25 |
| 5028 | 9525956,915 | 353281,252 | 181,709 | J18-24 |
| 5029 | 9525920,179 | 353182,973 | 182,767 | J18-17 |
| 5030 | 9525829,346 | 353213,073 | 180,149 | J18-18 |
| 5031 | 9525634,010 | 353280,122 | 174,914 | J18-20 |
| 5032 | 9525557,161 | 353306,402 | 170,216 | J18-21 |
| 5033 | 9525520,459 | 353214,542 | 170,260 | J18-14 |
| 5034 | 9525647,393 | 353168,138 | 174,751 | J18-13 |
| 5035 | 9525748,778 | 353129,775 | 175,682 | J18-12 |
| 5036 | 9525795,222 | 353117,009 | 173,980 | J18-11 |
| 5037 | 9525884,411 | 353086,045 | 181,445 | J18-10 |
| 5038 | 9525981,601 | 353053,051 | 185,873 | J18-09 |
| 5039 | 9526078,951 | 353018,160 | 185,797 | J18-08 |
| 5040 | 9526049,147 | 352915,608 | 182,971 | J18-01 |
| 5041 | 9525953,412 | 352951,180 | 177,351 | J18-02 |
| 5042 | 9525861,039 | 352984,974 | 178,714 | J18-03 |
| 5043 | 9525757,820 | 353004,814 | 171,936 | J18-04 |
| 5044 | 9525660,162 | 353059,440 | 169,272 | J18-05 |
| 5045 | 9525576,044 | 353084,424 | 172,759 | J18-06 |
| 5046 | 9525491,580 | 353113,333 | 164,628 | J18-07 |
| 5047 | 9530218,672 | 355528,968 | 175,330 | BASE |
| 5048 | 9529316,228 | 354943,872 | 161,164 | PEDREIRA 1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5049 | 9529295,995 | 354926,541 | 162,977 | PEDREIRA 1 |
| 5050 | 9529284,467 | 354941,605 | 162,724 | PEDREIRA 1 |
| 5051 | 9529265,373 | 354958,762 | 160,207 | PEDREIRA 1 |
| 5052 | 9529257,164 | 354965,961 | 158,828 | PEDREIRA 1 |
| 5053 | 9529247,172 | 354962,620 | 158,841 | PEDREIRA 1 |
| 5054 | 9529235,870 | 354950,573 | 158,186 | PEDREIRA 1 |
| 5055 | 9529222,631 | 354956,913 | 156,485 | PEDREIRA 1 |
| 5056 | 9529222,522 | 354967,937 | 155,342 | PEDREIRA 1 |
| 5057 | 9529237,560 | 354974,856 | 156,450 | PEDREIRA 1 |
| 5058 | 9529252,893 | 354977,183 | 156,239 | PEDREIRA 1 |
| 5059 | 9529262,207 | 354979,183 | 156,958 | PEDREIRA 1 |
| 5060 | 9529267,369 | 354992,803 | 155,229 | PEDREIRA 1 |
| 5061 | 9529292,405 | 355008,096 | 154,610 | PEDREIRA 1 |
| 5062 | 9529311,242 | 355006,969 | 155,734 | PEDREIRA 1 |
| 5063 | 9529325,293 | 354963,225 | 159,886 | PEDREIRA 1 |
| 5064 | 9530015,171 | 353852,152 | 182,456 | PEDREIRA 3 |
| 5065 | 9530030,485 | 353873,299 | 182,537 | PEDREIRA 3 |
| 5066 | 9530055,495 | 353903,158 | 184,829 | PEDREIRA 3 |
| 5067 | 9530068,813 | 353912,817 | 184,609 | PEDREIRA 3 |
| 5068 | 9530110,670 | 353902,910 | 184,746 | PEDREIRA 3 |
| 5069 | 9530165,062 | 353820,352 | 189,018 | PEDREIRA 3 |
| 5070 | 9530148,354 | 353744,950 | 193,459 | PEDREIRA 3 |
| 5071 | 9530166,800 | 353740,347 | 194,029 | PEDREIRA 3 |
| 5072 | 9530183,132 | 353706,090 | 194,385 | PEDREIRA 3 |
| 5073 | 9530138,307 | 353657,547 | 195,782 | PEDREIRA 3 |
| 5074 | 9530090,426 | 353688,215 | 194,850 | PEDREIRA 3 |
| 5075 | 9530072,032 | 353727,500 | 192,214 | PEDREIRA 3 |
| 5076 | 9530062,800 | 353769,096 | 188,990 | PEDREIRA 3 |
| 5077 | 9530014,387 | 353768,096 | 185,015 | PEDREIRA 3 |
| 5078 | 9529188,968 | 353242,179 | 180,796 | J8-41 |
| 5079 | 9529125,841 | 353323,276 | 177,700 | J8-42 |
| 5080 | 9529060,161 | 353405,720 | 181,713 | J8-43 |
| 5081 | 9528996,417 | 353486,131 | 184,076 | J8-44 |
| 5082 | 9528936,467 | 353563,627 | 180,212 | J8-45 |
| 5083 | 9528066,758 | 354739,569 | 180,726 | BASE |
| 5084 | 9528077,314 | 357464,711 | 185,518 | BASE |
| 5085 | 9528233,577 | 354259,849 | 180,841 | J3-47 |
| 5086 | 9528249,334 | 354125,749 | 172,833 | J3-56 |
| 5087 | 9528174,484 | 354191,472 | 176,443 | J3-55 |
| 5088 | 9528095,076 | 354261,606 | 178,775 | J3-54 |
| 5089 | 9527899,522 | 354300,917 | 186,325 | J3-59 |
| 5090 | 9527823,261 | 354364,893 | 192,466 | J3-58 |
| 5091 | 9527602,766 | 354618,633 | 160,725 | J16-01 |
| 5092 | 9527588,398 | 354517,286 | 172,982 | J16-02 |
| 5093 | 9527575,535 | 354424,408 | 173,857 | J16-03 |
| 5094 | 9527559,820 | 354321,553 | 180,477 | J16-04 |
| 5095 | 9527546,316 | 354218,807 | 187,172 | J16-05 |
| 5096 | 9527017,515 | 354632,354 | 161,431 | J16-31 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5097 | 9527014,688 | 354429,115 | 176,337 | J16-33 |
| 5098 | 9526718,218 | 353751,618 | 177,425 | BASE |
| 5099 | 9527002,304 | 353360,557 | 184,471 | J17-32 |
| 5100 | 9526651,948 | 353346,996 | 187,296 | J17-22 |
| 5101 | 9526236,230 | 353512,761 | 168,332 | J18-43 |
| 5102 | 9526019,942 | 353148,732 | 181,191 | J18-16 |
| 5103 | 9526111,910 | 353116,113 | 178,789 | J18-15 |
| 5104 | 9526146,519 | 353216,801 | 173,053 | J18-22 |
| 5105 | 9526052,807 | 353249,262 | 180,171 | J18-23 |
| 5106 | 9529945,550 | 355708,270 | 187,396 | BASE |
| 5107 | 9530081,940 | 352764,410 | 197,611 | BASE |
| 5108 | 9530735,635 | 355245,208 | 152,904 | J4-30 |
| 5109 | 9530642,185 | 355276,590 | 156,940 | J4-29 |
| 5110 | 9530544,446 | 355308,993 | 156,817 | J4-28 |
| 5111 | 9530445,878 | 355339,535 | 158,408 | J4-27 |
| 5112 | 9530349,830 | 355370,731 | 164,081 | J4-26 |
| 5113 | 9528841,353 | 356013,385 | 180,411 | J1-24 |
| 5114 | 9528777,732 | 355935,198 | 176,548 | J1-56 |
| 5115 | 9528717,690 | 355861,112 | 172,765 | J1-57 |
| 5117 | 9528803,457 | 356439,710 | 183,206 | J1-09 |
| 5118 | 9528409,325 | 356424,294 | 170,228 | J1-04 |
| 5119 | 9528332,531 | 356370,729 | 169,457 | J1-45 |
| 5120 | 9528265,866 | 356322,893 | 166,958 | J1-46 |
| 5121 | 9528514,753 | 356746,728 | 183,600 | PEDREIRA 2 |
| 5122 | 9528486,911 | 356735,453 | 184,340 | PEDREIRA 2 |
| 5123 | 9528455,016 | 356711,863 | 183,947 | PEDREIRA 2 |
| 5124 | 9528442,474 | 356700,523 | 183,267 | PEDREIRA 2 |
| 5125 | 9528420,945 | 356693,653 | 183,370 | PEDREIRA 2 |
| 5126 | 9528399,561 | 356671,250 | 182,070 | PEDREIRA 2 |
| 5127 | 9528372,449 | 356678,375 | 181,568 | PEDREIRA 2 |
| 5128 | 9528373,658 | 356694,535 | 182,356 | PEDREIRA 2 |
| 5129 | 9528396,133 | 356714,797 | 185,266 | PEDREIRA 2 |
| 5130 | 9528404,565 | 356742,968 | 185,665 | PEDREIRA 2 |
| 5131 | 9528411,888 | 356762,269 | 185,711 | PEDREIRA 2 |
| 5132 | 9528449,774 | 356744,286 | 186,325 | PEDREIRA 2 |
| 5133 | 9528472,911 | 356752,545 | 185,272 | PEDREIRA 2 |
| 5134 | 9528498,047 | 356769,054 | 184,240 | PEDREIRA 2 |
| 5135 | 9528520,311 | 356782,366 | 182,816 | PEDREIRA 2 |
| 5136 | 9528534,243 | 356793,072 | 182,101 | PEDREIRA 2 |
| 5137 | 9528543,187 | 356777,626 | 182,129 | PEDREIRA 2 |
| 5138 | 9527433,705 | 357131,609 | 174,239 | BASE |
| 5139 | 9529141,625 | 356609,423 | 177,949 | PO |
| 5140 | 9529264,329 | 356504,128 | 176,745 | PO |
| 5141 | 9529430,197 | 356361,295 | 173,216 | PO |
| 5142 | 9529799,184 | 352667,236 | 189,050 | J14-02 |
| 5143 | 9529872,677 | 352602,140 | 187,980 | J14-01 |
| 5144 | 9529915,456 | 352622,962 | 189,071 | J14-05 |
| 5145 | 9527420,223 | 356943,548 | 171,590 | J2-09 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5146 | 9527334,012 | 356554,733 | 161,668 | J2-36 |
| 5147 | 9527231,156 | 356607,015 | 162,253 | J2-37 |
| 5148 | 9526880,760 | 356795,616 | 165,475 | J2-41 |
| 5149 | 9526797,070 | 356842,738 | 163,236 | J2-42 |
| 5150 | 9526841,758 | 356931,501 | 164,907 | J2-35 |
| 5151 | 9526889,209 | 357009,713 | 166,971 | J2-28 |
| 5152 | 9526903,943 | 357363,934 | 164,937 | J6-18 |
| 5153 | 9526830,883 | 357299,885 | 164,413 | J6-25 |
| 5154 | 9526754,260 | 357236,849 | 165,250 | J6-32 |
| 5155 | 9526650,420 | 357355,078 | 165,107 | J6-31 |
| 5156 | 9526610,547 | 357403,780 | 165,803 | J6-30 |
| 5157 | 9526568,496 | 357452,897 | 165,046 | J6-29 |
| 5158 | 9526221,754 | 357383,699 | 167,110 | J6-48 |
| 5159 | 9526094,328 | 357386,177 | 167,165 | J6-54 |
| 5160 | 9529290,005 | 356282,485 | 177,279 | J7 |
| 5161 | 9529274,312 | 356296,135 | 177,223 | J7 |
| 5162 | 9529364,226 | 356247,903 | 176,325 | J8 |
| 5163 | 9529428,485 | 356138,780 | 173,111 | J6 |
| 5164 | 9529442,255 | 356154,529 | 173,253 | J7 |
| 5165 | 9529453,480 | 356167,383 | 173,490 | J8 |
| 5166 | 9529456,289 | 356141,787 | 173,026 | J7 |
| 5167 | 9529468,555 | 356156,725 | 172,919 | J8 |
| 5168 | 9529477,835 | 356070,981 | 175,387 | J5 |
| 5169 | 9529490,262 | 356085,779 | 175,287 | J6 |
| 5170 | 9529503,061 | 356099,956 | 175,009 | J6 |
| 5171 | 9529521,083 | 355635,032 | 179,633 | J3 |
| 5172 | 9529532,379 | 355416,605 | 169,106 | J5 |
| 5173 | 9529548,063 | 355416,605 | 171,960 | J6 |
| 5174 | 9528829,609 | 356669,096 | 178,223 | J6 |
| 5175 | 9528843,432 | 356683,212 | 178,283 | J7 |
| 5176 | 9528683,306 | 356834,426 | 178,056 | J6 |
| 5177 | 9528487,229 | 357086,929 | 184,424 | J7 |
| 5178 | 9528459,751 | 357112,630 | 185,071 | J7 |
| 5179 | 9528329,139 | 356811,989 | 182,703 | M8 |
| 5180 | 9528382,124 | 356752,528 | 184,782 | M8 |
| 5181 | 9528445,663 | 356712,067 | 185,124 | M7 |
| 5182 | 9528568,191 | 356570,188 | 173,974 | M7 |
| 5183 | 9528595,579 | 356540,286 | 173,561 | M7 |
| 5184 | 9528621,299 | 356485,367 | 173,934 | M8 |
| 5185 | 9528636,214 | 356469,777 | 175,090 | M8 |
| 5186 | 9528834,613 | 356267,104 | 183,647 | M8 |
| 5187 | 9528819,913 | 356279,307 | 183,654 | M8 |
| 5188 | 9529048,650 | 356088,742 | 181,375 | M8 |
| 5189 | 9529341,018 | 356001,718 | 177,524 | M2 |
| 5190 | 9529382,911 | 355828,167 | 175,129 | M8 |
| 5191 | 9529420,553 | 355859,650 | 176,734 | M3 |
| 5192 | 9529436,930 | 355877,655 | 177,953 | M2 |
| 5193 | 9529439,290 | 355894,731 | 178,868 | M2 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5194 | 9529315,014 | 355587,785 | 169,139 | M8 |
| 5195 | 9529316,975 | 355608,790 | 170,024 | M8 |
| 5196 | 9529312,477 | 355568,165 | 168,256 | M8 |
| 5197 | 9529305,865 | 355129,055 | 155,096 | M6 |
| 5198 | 9529284,250 | 355131,331 | 155,102 | M7 |
| 5199 | 9529298,848 | 355042,691 | 150,186 | M6 |
| 5200 | 9529279,895 | 355042,304 | 150,604 | M7 |
| 5201 | 9529295,603 | 354963,382 | 160,446 | M6 |
| 5202 | 9529393,698 | 354872,808 | 167,367 | M1 |
| 5203 | 9529372,769 | 354872,218 | 166,921 | M2 |
| 5204 | 9529330,513 | 354643,385 | 159,099 | M8 |
| 5205 | 9529336,392 | 354623,543 | 157,607 | M8 |
| 5206 | 9529509,716 | 354587,878 | 151,255 | M1 |
| 5207 | 9529501,461 | 354452,929 | 153,275 | M4 |
| 5208 | 9529455,004 | 354350,104 | 158,707 | M8 |
| 5209 | 9529520,757 | 354303,086 | 163,087 | M7 |
| 5210 | 9529747,682 | 353987,128 | 183,468 | M2 |
| 5211 | 9529735,975 | 353960,747 | 185,614 | M3 |
| 5212 | 9529727,214 | 353934,515 | 185,104 | M4 |
| 5213 | 9529154,097 | 353271,498 | 179,337 | PC |
| 5214 | 9529146,080 | 353289,113 | 178,850 | PC |
| 5215 | 9529137,023 | 353307,528 | 178,151 | PC |
| 5216 | 9529190,707 | 353562,221 | 187,776 | PC |
| 5217 | 9529184,844 | 353582,341 | 186,775 | PC |
| 5218 | 9529178,246 | 353602,222 | 186,255 | PC |
| 5219 | 9529171,201 | 353621,887 | 185,397 | PC |
| 5220 | 9529166,064 | 353641,952 | 184,883 | PC |
| 5221 | 9529197,406 | 353661,744 | 184,430 | PC |
| 5222 | 9529201,633 | 353642,076 | 185,200 | PC |
| 5223 | 9529205,998 | 353622,149 | 186,024 | PC |
| 5224 | 9529210,263 | 353602,175 | 186,982 | PC |
| 5225 | 9529214,447 | 353581,102 | 187,781 | PC |
| 5226 | 9529219,863 | 353559,731 | 189,145 | PC |
| 5227 | 9529177,586 | 353538,872 | 187,773 | PC |
| 5228 | 9529171,604 | 353558,535 | 187,195 | PC |
| 5229 | 9529165,036 | 353579,805 | 186,469 | PC |
| 5230 | 9529158,123 | 353600,866 | 185,899 | PC |
| 5231 | 9529151,693 | 353620,501 | 185,325 | PC |
| 5232 | 9529144,636 | 353640,564 | 184,893 | PC |
| 5233 | 9529141,922 | 353610,867 | 185,502 | PC |
| 5234 | 9529147,191 | 353590,560 | 185,900 | PC |
| 5235 | 9529152,890 | 353567,667 | 186,437 | PC |
| 5236 | 9529158,331 | 353547,165 | 186,894 | PC |
| 5237 | 9529163,447 | 353527,570 | 187,102 | PC |
| 5238 | 9529138,523 | 353537,936 | 186,442 | PC |
| 5239 | 9529133,782 | 353560,098 | 185,894 | PC |
| 5240 | 9529129,656 | 353581,152 | 185,563 | PC |
| 5241 | 9529126,337 | 353602,956 | 185,393 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5242 | 9529123,105 | 353624,239 | 184,947 | PC |
| 5243 | 9529110,859 | 353627,156 | 184,679 | PC |
| 5244 | 9529114,829 | 353604,797 | 185,048 | PC |
| 5245 | 9529118,737 | 353582,922 | 185,243 | PC |
| 5246 | 9529123,309 | 353560,913 | 185,500 | PC |
| 5247 | 9529127,482 | 353540,241 | 185,794 | PC |
| 5248 | 9529227,942 | 353573,669 | 188,295 | PC |
| 5249 | 9529221,588 | 353593,812 | 187,410 | PC |
| 5250 | 9529214,793 | 353613,883 | 186,687 | PC |
| 5251 | 9529207,052 | 353639,361 | 185,361 | PC |
| 5252 | 9529218,160 | 353659,581 | 184,219 | PC |
| 5253 | 9529223,020 | 353639,537 | 185,044 | PC |
| 5254 | 9529230,679 | 353619,131 | 185,970 | PC |
| 5255 | 9529238,522 | 353598,508 | 186,679 | PC |
| 5256 | 9529246,275 | 353578,251 | 187,533 | PC |
| 5257 | 9529272,620 | 353575,606 | 187,454 | PC |
| 5258 | 9529266,373 | 353597,230 | 186,011 | PC |
| 5259 | 9529260,238 | 353617,181 | 185,192 | PC |
| 5260 | 9529254,759 | 353637,189 | 183,234 | PC |
| 5261 | 9529251,892 | 353657,466 | 181,575 | PC |
| 5262 | 9529261,644 | 353658,352 | 180,703 | PC |
| 5263 | 9529268,853 | 353640,007 | 182,992 | PC |
| 5264 | 9529275,355 | 353620,031 | 183,696 | PC |
| 5265 | 9529282,509 | 353599,447 | 185,637 | PC |
| 5266 | 9529301,117 | 353603,343 | 184,564 | PC |
| 5267 | 9529294,631 | 353623,356 | 182,798 | PC |
| 5268 | 9529287,306 | 353644,822 | 181,374 | PC |
| 5269 | 9529279,196 | 353663,678 | 179,948 | PC |
| 5270 | 9529301,223 | 353674,247 | 177,309 | PC |
| 5271 | 9529308,033 | 353653,563 | 178,679 | PC |
| 5272 | 9529314,529 | 353633,146 | 181,055 | PC |
| 5273 | 9529322,347 | 353612,466 | 181,776 | PC |
| 5274 | 9529343,776 | 353621,008 | 178,524 | PC |
| 5275 | 9529339,274 | 353640,677 | 178,212 | PC |
| 5276 | 9529334,694 | 353661,664 | 177,261 | PC |
| 5277 | 9529328,111 | 353700,404 | 172,283 | PC |
| 5278 | 9529333,396 | 353685,003 | 174,329 | PC |
| 5279 | 9529340,371 | 353664,374 | 177,506 | PC |
| 5280 | 9529346,979 | 353643,959 | 177,365 | PC |
| 5281 | 9529352,845 | 353622,927 | 178,120 | PC |
| 5282 | 9529379,717 | 353638,381 | 174,292 | PC |
| 5283 | 9529374,345 | 353658,621 | 173,435 | PC |
| 5284 | 9529368,596 | 353679,577 | 173,611 | PC |
| 5285 | 9529362,911 | 353700,066 | 172,081 | PC |
| 5286 | 9529359,689 | 353721,753 | 170,260 | PC |
| 5287 | 9529383,808 | 353728,059 | 170,009 | PC |
| 5288 | 9529395,472 | 353709,888 | 170,378 | PC |
| 5289 | 9529529,503 | 353458,527 | 206,358 | BASE |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5290 | 9529401,582 | 353641,440 | 174,684 | PC |
| 5291 | 9529397,145 | 353661,345 | 172,281 | PC |
| 5292 | 9529397,152 | 353661,365 | 172,272 | PC |
| 5293 | 9529387,771 | 353681,481 | 170,566 | PC |
| 5294 | 9529400,527 | 353691,453 | 171,317 | PC |
| 5295 | 9529407,378 | 353669,271 | 173,929 | PC |
| 5296 | 9529413,455 | 353647,911 | 174,536 | PC |
| 5297 | 9529424,269 | 353653,389 | 175,155 | PC |
| 5298 | 9529414,912 | 353674,258 | 174,211 | PC |
| 5299 | 9529406,264 | 353694,419 | 172,260 | PC |
| 5300 | 9529398,290 | 353714,252 | 171,155 | PC |
| 5301 | 9529389,796 | 353735,547 | 169,936 | PC |
| 5302 | 9529415,590 | 353735,075 | 172,110 | PC |
| 5303 | 9529418,803 | 353719,278 | 173,547 | PC |
| 5304 | 9529425,662 | 353699,064 | 174,482 | PC |
| 5305 | 9529435,148 | 353679,276 | 176,956 | PC |
| 5306 | 9529443,405 | 353662,219 | 178,132 | PC |
| 5307 | 9529467,483 | 353674,624 | 181,521 | PC |
| 5308 | 9529461,212 | 353695,423 | 179,037 | PC |
| 5309 | 9529454,919 | 353716,177 | 177,547 | PC |
| 5310 | 9529448,290 | 353737,795 | 175,606 | PC |
| 5311 | 9529440,889 | 353753,984 | 174,547 | PC |
| 5312 | 9529462,197 | 353768,535 | 175,000 | PC |
| 5313 | 9529470,649 | 353747,984 | 176,938 | PC |
| 5314 | 9529480,334 | 353728,015 | 179,055 | PC |
| 5315 | 9529488,929 | 353707,505 | 181,330 | PC |
| 5316 | 9529498,348 | 353685,268 | 186,045 | PC |
| 5317 | 9529512,120 | 353688,292 | 188,387 | PC |
| 5318 | 9529501,981 | 353704,522 | 183,807 | PC |
| 5319 | 9529493,888 | 353725,447 | 180,145 | PC |
| 5320 | 9529482,499 | 353743,983 | 177,749 | PC |
| 5321 | 9529476,579 | 353765,304 | 175,682 | PC |
| 5322 | 9529541,133 | 353701,791 | 186,810 | PC |
| 5323 | 9529535,993 | 353719,755 | 182,105 | PC |
| 5324 | 9529530,099 | 353738,781 | 178,527 | PC |
| 5325 | 9529522,482 | 353757,858 | 175,889 | PC |
| 5326 | 9529517,463 | 353777,006 | 173,656 | PC |
| 5327 | 9529546,898 | 353786,744 | 176,285 | PC |
| 5328 | 9529554,503 | 353768,535 | 179,046 | PC |
| 5329 | 9529562,763 | 353749,376 | 181,754 | PC |
| 5330 | 9529570,412 | 353730,178 | 183,918 | PC |
| 5331 | 9529577,414 | 353712,634 | 187,332 | PC |
| 5332 | 9529558,262 | 353706,096 | 186,732 | PC |
| 5333 | 9529551,670 | 353726,051 | 182,056 | PC |
| 5334 | 9529551,663 | 353725,857 | 182,126 | PC |
| 5335 | 9529544,974 | 353744,318 | 178,565 | PC |
| 5336 | 9529537,933 | 353763,107 | 177,177 | PC |
| 5337 | 9529529,539 | 353778,824 | 175,175 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5338 | 9529553,333 | 353787,857 | 176,845 | PC |
| 5339 | 9529560,999 | 353769,448 | 179,569 | PC |
| 5340 | 9529570,239 | 353750,215 | 183,025 | PC |
| 5341 | 9529581,454 | 353730,930 | 185,329 | PC |
| 5342 | 9529586,133 | 353716,083 | 188,013 | PC |
| 5343 | 9529620,386 | 353736,974 | 184,878 | PC |
| 5344 | 9529615,518 | 353756,313 | 182,309 | PC |
| 5345 | 9529610,653 | 353775,879 | 180,356 | PC |
| 5346 | 9529605,044 | 353795,757 | 177,975 | PC |
| 5347 | 9529597,505 | 353808,213 | 175,329 | PC |
| 5348 | 9529630,841 | 353824,415 | 176,652 | PC |
| 5349 | 9529636,853 | 353808,503 | 177,452 | PC |
| 5350 | 9529643,794 | 353789,786 | 177,497 | PC |
| 5351 | 9529649,777 | 353771,910 | 178,106 | PC |
| 5352 | 9529654,995 | 353753,868 | 179,146 | PC |
| 5353 | 9529668,110 | 353761,082 | 181,240 | PC |
| 5354 | 9529661,901 | 353778,888 | 181,197 | PC |
| 5355 | 9529655,843 | 353797,104 | 179,848 | PC |
| 5356 | 9529650,874 | 353816,847 | 179,150 | PC |
| 5357 | 9529645,336 | 353832,904 | 177,661 | PC |
| 5358 | 9529665,982 | 353852,847 | 181,119 | PC |
| 5359 | 9529670,612 | 353832,681 | 180,946 | PC |
| 5360 | 9529675,604 | 353813,335 | 182,033 | PC |
| 5361 | 9529680,607 | 353792,547 | 183,015 | PC |
| 5362 | 9529687,086 | 353770,467 | 183,724 | PC |
| 5363 | 9529760,606 | 353552,851 | 192,985 | PC |
| 5364 | 9529753,669 | 353571,481 | 192,210 | PC |
| 5365 | 9529747,820 | 353591,449 | 192,199 | PC |
| 5366 | 9529741,981 | 353609,273 | 192,085 | PC |
| 5367 | 9529736,243 | 353628,128 | 191,515 | PC |
| 5368 | 9529719,041 | 353617,433 | 188,690 | PC |
| 5369 | 9529725,727 | 353597,598 | 190,083 | PC |
| 5370 | 9529734,449 | 353577,270 | 191,347 | PC |
| 5371 | 9529742,092 | 353557,141 | 192,671 | PC |
| 5372 | 9529750,761 | 353536,097 | 193,114 | PC |
| 5373 | 9529718,482 | 353518,068 | 194,103 | PC |
| 5374 | 9529712,539 | 353537,072 | 193,277 | PC |
| 5375 | 9529707,057 | 353556,366 | 192,935 | PC |
| 5376 | 9529702,132 | 353576,096 | 192,553 | PC |
| 5377 | 9529697,258 | 353595,806 | 191,500 | PC |
| 5378 | 9529677,208 | 353602,340 | 191,947 | PC |
| 5379 | 9529683,413 | 353582,505 | 194,418 | PC |
| 5380 | 9529689,254 | 353562,294 | 194,399 | PC |
| 5381 | 9529695,163 | 353542,677 | 193,672 | PC |
| 5382 | 9529700,664 | 353522,323 | 194,155 | PC |
| 5383 | 9529683,674 | 353509,902 | 195,592 | PC |
| 5384 | 9529677,399 | 353529,652 | 194,721 | PC |
| 5385 | 9529670,780 | 353549,749 | 196,460 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5386 | 9529664,971 | 353569,179 | 196,520 | PC |
| 5387 | 9529658,851 | 353588,027 | 194,608 | PC |
| 5388 | 9529645,919 | 353588,887 | 194,737 | PC |
| 5389 | 9529652,549 | 353568,548 | 197,320 | PC |
| 5390 | 9529658,812 | 353548,203 | 197,981 | PC |
| 5391 | 9529664,122 | 353527,142 | 196,729 | PC |
| 5392 | 9529669,013 | 353506,123 | 196,212 | PC |
| 5393 | 9529656,469 | 353500,211 | 197,317 | PC |
| 5394 | 9529648,780 | 353521,366 | 198,675 | PC |
| 5395 | 9529640,988 | 353541,977 | 199,200 | PC |
| 5396 | 9529633,658 | 353560,452 | 198,329 | PC |
| 5397 | 9529626,484 | 353579,227 | 198,063 | PC |
| 5398 | 9529608,590 | 353571,089 | 200,538 | PC |
| 5399 | 9529615,917 | 353551,719 | 200,294 | PC |
| 5400 | 9529623,377 | 353531,709 | 199,639 | PC |
| 5401 | 9529630,684 | 353512,045 | 199,846 | PC |
| 5402 | 9529637,871 | 353492,553 | 198,915 | PC |
| 5403 | 9529622,578 | 353482,735 | 199,920 | PC |
| 5404 | 9529615,136 | 353501,430 | 200,764 | PC |
| 5405 | 9529606,385 | 353520,984 | 200,658 | PC |
| 5406 | 9529598,319 | 353539,690 | 201,989 | PC |
| 5407 | 9529591,060 | 353558,200 | 202,123 | PC |
| 5408 | 9529575,697 | 353564,519 | 201,245 | PC |
| 5409 | 9529584,231 | 353545,101 | 203,120 | PC |
| 5410 | 9529592,287 | 353525,514 | 202,732 | PC |
| 5411 | 9529600,575 | 353505,536 | 201,325 | PC |
| 5412 | 9529609,032 | 353486,309 | 201,166 | PC |
| 5413 | 9529582,058 | 353481,414 | 202,806 | PC |
| 5414 | 9529574,885 | 353500,939 | 204,487 | PC |
| 5415 | 9529566,609 | 353519,955 | 204,908 | PC |
| 5416 | 9529560,064 | 353538,861 | 204,221 | PC |
| 5417 | 9529552,568 | 353557,667 | 202,541 | PC |
| 5418 | 9529535,547 | 353547,015 | 205,301 | PC |
| 5419 | 9529543,301 | 353527,234 | 206,312 | PC |
| 5420 | 9529551,157 | 353508,321 | 206,013 | PC |
| 5421 | 9529558,566 | 353489,760 | 205,208 | PC |
| 5422 | 9529564,907 | 353470,535 | 204,352 | PC |
| 5423 | 9529531,568 | 353453,469 | 205,246 | PC |
| 5424 | 9529526,403 | 353473,460 | 206,668 | PC |
| 5425 | 9529520,924 | 353494,264 | 207,042 | PC |
| 5426 | 9529516,091 | 353513,810 | 207,426 | PC |
| 5427 | 9529510,664 | 353532,906 | 206,583 | PC |
| 5428 | 9529495,645 | 353535,534 | 205,524 | PC |
| 5429 | 9529502,586 | 353516,272 | 207,204 | PC |
| 5430 | 9529510,105 | 353496,846 | 207,413 | PC |
| 5431 | 9529516,485 | 353477,285 | 207,082 | PC |
| 5432 | 9529523,289 | 353455,997 | 205,735 | PC |
| 5433 | 9529503,917 | 353450,739 | 204,453 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5434 | 9529497,821 | 353469,825 | 206,684 | PC |
| 5435 | 9529490,897 | 353489,781 | 206,979 | PC |
| 5436 | 9529484,209 | 353508,638 | 206,631 | PC |
| 5437 | 9529477,603 | 353526,910 | 204,684 | PC |
| 5438 | 9529457,374 | 353514,140 | 201,984 | PC |
| 5439 | 9529466,427 | 353494,980 | 204,542 | PC |
| 5440 | 9529475,706 | 353476,384 | 205,926 | PC |
| 5441 | 9529475,671 | 353476,378 | 205,906 | PC |
| 5442 | 9529484,159 | 353457,756 | 205,496 | PC |
| 5443 | 9529491,638 | 353440,069 | 203,558 | PC |
| 5444 | 9529466,623 | 353424,152 | 200,987 | PC |
| 5445 | 9529455,083 | 353441,719 | 201,036 | PC |
| 5446 | 9529446,570 | 353459,905 | 201,206 | PC |
| 5447 | 9529440,436 | 353479,034 | 198,987 | PC |
| 5448 | 9529434,113 | 353497,039 | 196,464 | PC |
| 5449 | 9529418,824 | 353501,798 | 192,683 | PC |
| 5450 | 9529423,382 | 353481,626 | 194,437 | PC |
| 5451 | 9529431,750 | 353463,215 | 198,154 | PC |
| 5452 | 9529440,082 | 353443,792 | 199,082 | PC |
| 5453 | 9529449,975 | 353425,068 | 198,321 | PC |
| 5454 | 9529443,705 | 353416,975 | 196,603 | PC |
| 5455 | 9529436,525 | 353434,723 | 197,173 | PC |
| 5456 | 9529427,696 | 353451,812 | 197,360 | PC |
| 5457 | 9529420,622 | 353468,210 | 195,110 | PC |
| 5458 | 9529412,375 | 353485,900 | 191,512 | PC |
| 5459 | 9529383,811 | 353481,197 | 188,226 | PC |
| 5460 | 9529390,896 | 353461,544 | 188,815 | PC |
| 5461 | 9529397,709 | 353442,290 | 188,953 | PC |
| 5462 | 9529404,616 | 353423,810 | 190,010 | PC |
| 5463 | 9529411,187 | 353405,376 | 189,759 | PC |
| 5464 | 9529387,938 | 353394,568 | 187,674 | PC |
| 5465 | 9529381,445 | 353413,532 | 186,818 | PC |
| 5466 | 9529376,198 | 353432,426 | 187,504 | PC |
| 5467 | 9529370,814 | 353451,264 | 186,845 | PC |
| 5468 | 9529364,843 | 353471,976 | 186,634 | PC |
| 5469 | 9529350,736 | 353464,851 | 185,894 | PC |
| 5470 | 9529357,444 | 353444,857 | 186,204 | PC |
| 5471 | 9529363,550 | 353425,812 | 186,470 | PC |
| 5472 | 9529370,209 | 353406,135 | 186,150 | PC |
| 5473 | 9529376,848 | 353387,221 | 186,805 | PC |
| 5474 | 9529357,325 | 353379,008 | 185,652 | PC |
| 5475 | 9529352,202 | 353397,701 | 184,913 | PC |
| 5476 | 9529345,684 | 353415,849 | 185,336 | PC |
| 5477 | 9529339,084 | 353434,975 | 185,487 | PC |
| 5478 | 9529332,718 | 353454,254 | 185,058 | PC |
| 5479 | 9529309,166 | 353451,460 | 183,741 | PC |
| 5480 | 9529314,743 | 353432,434 | 184,302 | PC |
| 5481 | 9529320,383 | 353412,592 | 184,047 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5482 | 9529326,745 | 353392,710 | 184,028 | PC |
| 5483 | 9529333,854 | 353372,112 | 183,913 | PC |
| 5484 | 9529327,305 | 353365,463 | 182,785 | PC |
| 5485 | 9529319,337 | 353383,841 | 182,534 | PC |
| 5486 | 9529312,193 | 353402,752 | 183,633 | PC |
| 5487 | 9529305,106 | 353421,517 | 183,584 | PC |
| 5488 | 9529297,150 | 353439,848 | 183,197 | PC |
| 5489 | 9529276,115 | 353434,415 | 182,063 | PC |
| 5490 | 9529283,995 | 353414,600 | 182,203 | PC |
| 5491 | 9529291,021 | 353395,805 | 182,260 | PC |
| 5492 | 9529296,613 | 353376,577 | 180,529 | PC |
| 5493 | 9529302,669 | 353357,856 | 182,481 | PC |
| 5494 | 9529268,713 | 353346,530 | 182,301 | PC |
| 5495 | 9529261,796 | 353364,993 | 181,660 | PC |
| 5496 | 9529252,083 | 353376,294 | 180,467 | PC |
| 5497 | 9529245,727 | 353394,865 | 180,858 | PC |
| 5498 | 9529239,274 | 353412,814 | 182,107 | PC |
| 5499 | 9529217,382 | 353410,951 | 182,471 | PC |
| 5500 | 9529223,361 | 353392,145 | 180,081 | PC |
| 5501 | 9529229,161 | 353371,842 | 178,277 | PC |
| 5502 | 9529235,340 | 353352,821 | 180,843 | PC |
| 5503 | 9529242,509 | 353332,139 | 181,397 | PC |
| 5504 | 9529209,921 | 353314,163 | 180,404 | PC |
| 5505 | 9529203,450 | 353333,938 | 179,747 | PC |
| 5506 | 9529197,233 | 353351,833 | 178,583 | PC |
| 5507 | 9529190,826 | 353370,665 | 179,262 | PC |
| 5508 | 9529184,114 | 353391,823 | 181,271 | PC |
| 5509 | 9529152,689 | 353379,896 | 180,987 | PC |
| 5510 | 9529155,422 | 353361,421 | 179,608 | PC |
| 5511 | 9529158,352 | 353341,899 | 177,180 | PC |
| 5512 | 9529162,406 | 353321,898 | 178,752 | PC |
| 5513 | 9529163,293 | 353300,339 | 179,218 | PC |
| 5514 | 9529159,242 | 353319,889 | 178,610 | PC |
| 5515 | 9529152,990 | 353338,391 | 177,163 | PC |
| 5516 | 9529147,709 | 353358,501 | 179,920 | PC |
| 5517 | 9529142,034 | 353379,217 | 180,870 | PC |
| 5518 | 9529132,035 | 353367,245 | 180,209 | PC |
| 5519 | 9529138,323 | 353349,613 | 179,635 | PC |
| 5520 | 9529144,294 | 353332,615 | 176,421 | PC |
| 5521 | 9529151,571 | 353314,189 | 178,665 | PC |
| 5522 | 9529158,646 | 353294,956 | 179,167 | PC |
| 5523 | 9529128,432 | 353325,060 | 177,363 | PC |
| 5524 | 9529119,675 | 353343,887 | 178,973 | PC |
| 5525 | 9529111,086 | 353360,611 | 179,560 | PC |
| 5526 | 9529044,689 | 353502,633 | 184,388 | PC |
| 5527 | 9529035,761 | 353521,478 | 183,795 | PC |
| 5528 | 9529027,185 | 353539,261 | 183,395 | PC |
| 5529 | 9529018,134 | 353556,047 | 182,284 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5530 | 9529006,955 | 353572,196 | 181,330 | PC |
| 5531 | 9529079,359 | 353515,293 | 184,229 | PC |
| 5532 | 9529072,945 | 353533,372 | 183,292 | PC |
| 5533 | 9529066,792 | 353551,004 | 182,798 | PC |
| 5534 | 9529059,997 | 353570,082 | 182,480 | PC |
| 5535 | 9529053,184 | 353590,302 | 182,217 | PC |
| 5536 | 9529084,403 | 353600,376 | 183,747 | PC |
| 5537 | 9529089,604 | 353580,964 | 184,022 | PC |
| 5538 | 9529094,207 | 353561,321 | 184,499 | PC |
| 5539 | 9529099,517 | 353542,383 | 184,412 | PC |
| 5540 | 9529104,535 | 353522,366 | 184,853 | PC |
| 5541 | 9529754,170 | 353639,458 | 193,249 | PC |
| 5542 | 9529761,975 | 353618,873 | 192,431 | PC |
| 5543 | 9529770,243 | 353599,168 | 193,756 | PC |
| 5544 | 9529778,234 | 353579,011 | 193,119 | PC |
| 5545 | 9529785,811 | 353560,440 | 193,476 | PC |
| 5546 | 9529802,426 | 353569,508 | 194,101 | PC |
| 5547 | 9529794,400 | 353589,354 | 194,256 | PC |
| 5548 | 9529786,791 | 353608,915 | 194,643 | PC |
| 5549 | 9529780,387 | 353628,511 | 193,514 | PC |
| 5550 | 9529773,440 | 353646,375 | 194,929 | PC |
| 5551 | 9529805,710 | 353654,633 | 197,260 | PC |
| 5552 | 9529814,169 | 353635,343 | 195,924 | PC |
| 5553 | 9529822,733 | 353614,991 | 195,812 | PC |
| 5554 | 9529831,232 | 353594,382 | 196,357 | PC |
| 5555 | 9529839,381 | 353574,692 | 196,125 | PC |
| 5556 | 9529861,540 | 353575,340 | 196,984 | PC |
| 5557 | 9529851,997 | 353593,815 | 197,089 | PC |
| 5558 | 9529841,989 | 353612,455 | 196,759 | PC |
| 5559 | 9529831,389 | 353632,103 | 196,432 | PC |
| 5560 | 9529821,056 | 353650,312 | 196,548 | PC |
| 5561 | 9529830,151 | 353682,589 | 195,941 | PC |
| 5562 | 9529837,167 | 353661,628 | 195,544 | PC |
| 5563 | 9529843,165 | 353638,661 | 195,870 | PC |
| 5564 | 9529849,265 | 353618,466 | 196,130 | PC |
| 5565 | 9529855,347 | 353597,809 | 197,046 | PC |
| 5566 | 9529877,877 | 353584,697 | 197,216 | PC |
| 5567 | 9529870,031 | 353604,073 | 196,946 | PC |
| 5568 | 9529862,491 | 353623,152 | 195,456 | PC |
| 5569 | 9529854,211 | 353642,960 | 194,657 | PC |
| 5570 | 9529846,221 | 353662,966 | 195,185 | PC |
| 5571 | 9529840,569 | 353679,523 | 194,819 | PC |
| 5572 | 9529867,350 | 353687,866 | 191,459 | PC |
| 5573 | 9529875,643 | 353668,283 | 192,291 | PC |
| 5574 | 9529883,734 | 353648,504 | 193,514 | PC |
| 5575 | 9529892,160 | 353628,288 | 194,559 | PC |
| 5576 | 9529899,934 | 353608,371 | 195,063 | PC |
| 5577 | 9529918,683 | 353604,954 | 194,863 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5578 | 9529910,363 | 353624,254 | 193,916 | PC |
| 5579 | 9529901,521 | 353644,300 | 194,406 | PC |
| 5580 | 9529893,970 | 353665,300 | 193,878 | PC |
| 5581 | 9529885,266 | 353687,003 | 191,734 | PC |
| 5582 | 9529902,387 | 353703,506 | 190,156 | PC |
| 5583 | 9529910,318 | 353683,359 | 192,311 | PC |
| 5584 | 9529918,872 | 353662,630 | 192,786 | PC |
| 5585 | 9529926,874 | 353641,336 | 193,440 | PC |
| 5586 | 9529948,882 | 353622,593 | 193,432 | PC |
| 5587 | 9529942,994 | 353643,033 | 192,308 | PC |
| 5588 | 9529936,573 | 353663,205 | 191,239 | PC |
| 5589 | 9529929,595 | 353683,809 | 190,119 | PC |
| 5590 | 9529922,506 | 353705,571 | 188,715 | PC |
| 5591 | 9529937,555 | 353707,819 | 187,704 | PC |
| 5592 | 9529944,424 | 353685,002 | 188,032 | PC |
| 5593 | 9529950,723 | 353664,238 | 189,597 | PC |
| 5594 | 9529957,600 | 353643,901 | 190,544 | PC |
| 5595 | 9529963,776 | 353623,933 | 191,168 | PC |
| 5596 | 9529971,224 | 353623,838 | 189,450 | PC |
| 5597 | 9529965,813 | 353644,812 | 190,548 | PC |
| 5598 | 9529960,014 | 353666,112 | 186,622 | PC |
| 5599 | 9529955,165 | 353687,259 | 185,437 | PC |
| 5600 | 9529950,080 | 353709,963 | 185,234 | PC |
| 5601 | 9529966,708 | 353720,097 | 183,506 | PC |
| 5602 | 9529969,170 | 353698,000 | 183,857 | PC |
| 5603 | 9529972,534 | 353675,578 | 185,225 | PC |
| 5604 | 9529979,258 | 353655,020 | 187,442 | PC |
| 5605 | 9529986,104 | 353631,896 | 187,205 | PC |
| 5606 | 9530002,161 | 353639,024 | 185,922 | PC |
| 5607 | 9529993,157 | 353656,576 | 185,867 | PC |
| 5608 | 9529989,853 | 353677,688 | 185,143 | PC |
| 5609 | 9529986,085 | 353698,916 | 182,536 | PC |
| 5610 | 9529982,436 | 353720,948 | 182,200 | PC |
| 5611 | 9529993,238 | 353727,725 | 180,520 | PC |
| 5612 | 9529998,709 | 353704,256 | 181,287 | PC |
| 5613 | 9530001,309 | 353683,950 | 183,925 | PC |
| 5614 | 9530005,892 | 353663,069 | 184,228 | PC |
| 5615 | 9530015,693 | 353647,081 | 184,708 | PC |
| 5616 | 9530031,917 | 353653,789 | 186,311 | PC |
| 5617 | 9530028,334 | 353674,821 | 185,636 | PC |
| 5618 | 9530025,322 | 353696,241 | 185,770 | PC |
| 5619 | 9530022,759 | 353718,782 | 185,115 | PC |
| 5620 | 9530018,366 | 353741,306 | 184,791 | PC |
| 5621 | 9530040,984 | 353744,166 | 186,506 | PC |
| 5622 | 9530045,233 | 353722,800 | 188,860 | PC |
| 5623 | 9530050,353 | 353701,270 | 190,883 | PC |
| 5624 | 9530053,294 | 353678,977 | 190,702 | PC |
| 5625 | 9530055,976 | 353657,418 | 190,420 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5626 | 9530076,541 | 353663,977 | 194,211 | PC |
| 5627 | 9530075,469 | 353684,651 | 193,184 | PC |
| 5628 | 9530074,606 | 353705,006 | 192,813 | PC |
| 5629 | 9530069,824 | 353724,988 | 191,859 | PC |
| 5630 | 9530065,187 | 353745,068 | 190,375 | PC |
| 5631 | 9530091,485 | 353771,510 | 191,951 | PC |
| 5632 | 9530098,435 | 353751,853 | 192,974 | PC |
| 5633 | 9530105,045 | 353730,339 | 193,861 | PC |
| 5634 | 9530111,470 | 353709,522 | 194,429 | PC |
| 5635 | 9530113,355 | 353689,360 | 195,590 | PC |
| 5636 | 9530157,340 | 353862,293 | 187,527 | PC |
| 5637 | 9530178,674 | 353863,496 | 188,080 | PC |
| 5638 | 9530199,563 | 353864,127 | 188,288 | PC |
| 5639 | 9530221,105 | 353864,874 | 189,288 | PC |
| 5640 | 9530242,190 | 353866,169 | 190,090 | PC |
| 5641 | 9530241,404 | 353882,792 | 189,471 | PC |
| 5642 | 9530219,587 | 353882,058 | 189,233 | PC |
| 5643 | 9530198,523 | 353880,869 | 188,788 | PC |
| 5644 | 9530177,491 | 353880,100 | 187,578 | PC |
| 5645 | 9530156,452 | 353879,038 | 187,593 | PC |
| 5646 | 9530159,758 | 353890,183 | 187,626 | PC |
| 5647 | 9530180,582 | 353887,807 | 186,956 | PC |
| 5648 | 9530201,706 | 353891,908 | 188,761 | PC |
| 5649 | 9530224,120 | 353889,265 | 189,052 | PC |
| 5650 | 9530151,267 | 353909,947 | 186,137 | PC |
| 5651 | 9530173,430 | 353907,996 | 185,445 | PC |
| 5652 | 9530194,762 | 353905,273 | 187,179 | PC |
| 5653 | 9530215,600 | 353903,465 | 188,695 | PC |
| 5654 | 9530237,580 | 353899,736 | 189,086 | PC |
| 5655 | 9530241,422 | 353921,694 | 187,927 | PC |
| 5656 | 9530220,980 | 353923,548 | 186,872 | PC |
| 5657 | 9530200,290 | 353926,116 | 185,401 | PC |
| 5658 | 9530178,483 | 353927,747 | 184,723 | PC |
| 5659 | 9530155,186 | 353949,779 | 183,953 | PC |
| 5660 | 9530160,642 | 353927,394 | 184,155 | PC |
| 5661 | 9530176,069 | 353947,254 | 185,984 | PC |
| 5662 | 9530198,435 | 353944,541 | 186,393 | PC |
| 5663 | 9530220,605 | 353938,151 | 187,977 | PC |
| 5664 | 9530244,179 | 353937,178 | 188,846 | PC |
| 5665 | 9530159,131 | 353983,425 | 183,776 | PC |
| 5666 | 9530181,368 | 353984,695 | 185,545 | PC |
| 5667 | 9530203,762 | 353985,192 | 187,252 | PC |
| 5668 | 9530226,400 | 353984,397 | 187,401 | PC |
| 5669 | 9530247,471 | 353979,206 | 187,812 | PC |
| 5670 | 9530248,698 | 353994,423 | 187,122 | PC |
| 5671 | 9530228,961 | 353992,331 | 186,950 | PC |
| 5672 | 9530205,458 | 353994,507 | 187,320 | PC |
| 5673 | 9530184,878 | 353994,606 | 185,562 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5674 | 9530163,172 | 353993,714 | 184,274 | PC |
| 5675 | 9530151,702 | 354017,681 | 184,440 | PC |
| 5676 | 9530172,559 | 354018,514 | 184,855 | PC |
| 5677 | 9530191,904 | 354018,746 | 185,331 | PC |
| 5678 | 9530213,498 | 354018,795 | 186,088 | PC |
| 5679 | 9530234,525 | 354019,064 | 185,941 | PC |
| 5680 | 9530230,811 | 354039,176 | 185,039 | PC |
| 5681 | 9530208,519 | 354039,644 | 186,139 | PC |
| 5682 | 9530187,185 | 354039,257 | 185,528 | PC |
| 5683 | 9530167,397 | 354038,572 | 184,697 | PC |
| 5684 | 9530149,450 | 354038,538 | 184,495 | PC |
| 5685 | 9530145,080 | 354060,214 | 182,931 | PC |
| 5686 | 9530166,549 | 354061,159 | 183,365 | PC |
| 5687 | 9530187,703 | 354061,519 | 183,690 | PC |
| 5688 | 9530210,323 | 354061,814 | 184,565 | PC |
| 5689 | 9530231,991 | 354059,535 | 183,699 | PC |
| 5690 | 9530235,343 | 354072,704 | 183,011 | PC |
| 5691 | 9530212,929 | 354073,357 | 183,077 | PC |
| 5692 | 9530191,152 | 354072,930 | 183,018 | PC |
| 5693 | 9530169,506 | 354072,218 | 182,569 | PC |
| 5694 | 9530149,134 | 354072,832 | 181,869 | PC |
| 5695 | 9530154,661 | 354093,651 | 179,426 | PC |
| 5696 | 9530177,165 | 354093,477 | 180,824 | PC |
| 5697 | 9530199,174 | 354092,597 | 181,896 | PC |
| 5698 | 9530221,078 | 354090,773 | 182,302 | PC |
| 5699 | 9530241,087 | 354085,863 | 180,219 | PC |
| 5700 | 9529703,333 | 353777,469 | 187,014 | PC |
| 5701 | 9529696,872 | 353796,287 | 185,134 | PC |
| 5702 | 9529691,125 | 353814,572 | 184,102 | PC |
| 5703 | 9529685,540 | 353833,722 | 182,704 | PC |
| 5704 | 9529679,276 | 353852,658 | 182,884 | PC |
| 5705 | 9529675,360 | 353861,073 | 182,537 | PC |
| 5706 | 9529691,590 | 353866,373 | 184,475 | PC |
| 5707 | 9529694,535 | 353855,660 | 184,540 | PC |
| 5708 | 9529701,836 | 353837,187 | 185,766 | PC |
| 5709 | 9529708,762 | 353818,166 | 187,187 | PC |
| 5710 | 9529714,562 | 353798,911 | 190,002 | PC |
| 5711 | 9529720,451 | 353781,090 | 191,484 | PC |
| 5712 | 9529727,980 | 353787,258 | 193,578 | PC |
| 5713 | 9529723,257 | 353807,593 | 191,772 | PC |
| 5714 | 9529716,071 | 353823,585 | 188,141 | PC |
| 5715 | 9529708,759 | 353843,830 | 187,105 | PC |
| 5716 | 9529704,955 | 353858,681 | 186,008 | PC |
| 5717 | 9529702,168 | 353869,669 | 185,647 | PC |
| 5718 | 9529715,839 | 353859,188 | 187,400 | PC |
| 5719 | 9529721,903 | 353846,744 | 187,849 | PC |
| 5720 | 9529731,115 | 353828,627 | 190,858 | PC |
| 5721 | 9529741,343 | 353810,257 | 194,968 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5722 | 9529751,880 | 353791,035 | 197,517 | PC |
| 5723 | 9529767,667 | 353806,016 | 196,537 | PC |
| 5724 | 9529758,506 | 353823,890 | 193,724 | PC |
| 5725 | 9529749,375 | 353842,466 | 192,136 | PC |
| 5726 | 9529743,512 | 353858,598 | 190,760 | PC |
| 5727 | 9529737,707 | 353871,680 | 188,819 | PC |
| 5728 | 9529735,499 | 353880,106 | 188,283 | PC |
| 5729 | 9529722,901 | 353876,182 | 187,633 | PC |
| 5730 | 9529791,298 | 353814,471 | 195,984 | PC |
| 5731 | 9529781,612 | 353832,335 | 197,916 | PC |
| 5732 | 9529770,427 | 353850,949 | 197,932 | PC |
| 5733 | 9529760,685 | 353867,453 | 193,986 | PC |
| 5734 | 9529750,744 | 353885,021 | 189,814 | PC |
| 5735 | 9529768,799 | 353890,798 | 194,660 | PC |
| 5736 | 9529780,626 | 353874,977 | 199,557 | PC |
| 5737 | 9529793,665 | 353857,951 | 202,257 | PC |
| 5738 | 9529807,745 | 353842,886 | 202,076 | PC |
| 5739 | 9529822,154 | 353827,952 | 199,794 | PC |
| 5740 | 9529844,973 | 353843,338 | 198,388 | PC |
| 5741 | 9529837,975 | 353862,491 | 201,835 | PC |
| 5742 | 9529828,544 | 353880,507 | 204,033 | PC |
| 5743 | 9529815,255 | 353905,380 | 203,892 | PC |
| 5744 | 9529824,166 | 353892,159 | 204,309 | PC |
| 5745 | 9529864,643 | 353841,701 | 194,770 | PC |
| 5746 | 9529856,362 | 353857,889 | 197,842 | PC |
| 5747 | 9529847,126 | 353874,328 | 200,639 | PC |
| 5748 | 9529839,455 | 353891,718 | 202,721 | PC |
| 5749 | 9529889,365 | 353852,317 | 190,226 | PC |
| 5750 | 9529881,974 | 353872,920 | 191,289 | PC |
| 5751 | 9529875,196 | 353892,870 | 194,703 | PC |
| 5752 | 9529868,659 | 353913,025 | 195,969 | PC |
| 5753 | 9529863,627 | 353922,301 | 199,016 | PC |
| 5754 | 9529918,925 | 353863,408 | 183,688 | PC |
| 5755 | 9529916,587 | 353885,048 | 184,166 | PC |
| 5756 | 9529914,379 | 353906,656 | 184,140 | PC |
| 5757 | 9529910,754 | 353928,200 | 186,794 | PC |
| 5758 | 9529908,827 | 353934,863 | 188,694 | PC |
| 5759 | 9529920,536 | 353939,075 | 185,957 | PC |
| 5760 | 9529921,642 | 353932,528 | 185,461 | PC |
| 5761 | 9529925,864 | 353912,367 | 182,517 | PC |
| 5762 | 9529930,270 | 353891,809 | 182,047 | PC |
| 5763 | 9529935,328 | 353869,243 | 181,643 | PC |
| 5764 | 9529954,824 | 353890,529 | 178,631 | PC |
| 5765 | 9529953,438 | 353912,503 | 178,864 | PC |
| 5766 | 9529951,290 | 353934,727 | 179,648 | PC |
| 5767 | 9529950,647 | 353948,474 | 179,791 | PC |
| 5768 | 9529979,560 | 353897,711 | 175,188 | PC |
| 5769 | 9529979,365 | 353918,685 | 174,691 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5770 | 9529979,943 | 353939,862 | 174,444 | PC |
| 5771 | 9529980,523 | 353960,058 | 175,679 | PC |
| 5772 | 9529980,270 | 353979,266 | 176,390 | PC |
| 5773 | 9529996,205 | 354001,246 | 174,286 | PC |
| 5774 | 9529974,985 | 354002,842 | 177,365 | PC |
| 5775 | 9529953,454 | 354004,079 | 181,268 | PC |
| 5776 | 9530002,643 | 354013,952 | 173,098 | PC |
| 5777 | 9529983,398 | 354013,902 | 175,858 | PC |
| 5778 | 9529962,314 | 354014,673 | 179,844 | PC |
| 5779 | 9529943,691 | 354017,038 | 184,820 | PC |
| 5780 | 9529948,377 | 354032,749 | 183,136 | PC |
| 5781 | 9529967,883 | 354034,491 | 178,016 | PC |
| 5782 | 9529987,678 | 354035,317 | 174,295 | PC |
| 5783 | 9530007,410 | 354036,289 | 170,872 | PC |
| 5784 | 9530003,658 | 354055,025 | 169,978 | PC |
| 5785 | 9529982,714 | 354053,490 | 174,217 | PC |
| 5786 | 9529962,860 | 354052,497 | 179,676 | PC |
| 5787 | 9529943,497 | 354048,926 | 185,408 | PC |
| 5788 | 9529945,874 | 354082,114 | 181,963 | PC |
| 5789 | 9529963,816 | 354081,861 | 176,278 | PC |
| 5790 | 9529981,151 | 354082,494 | 171,087 | PC |
| 5791 | 9530001,231 | 354081,394 | 170,759 | PC |
| 5792 | 9529995,591 | 354098,730 | 170,347 | PC |
| 5793 | 9529973,742 | 354098,295 | 170,825 | PC |
| 5794 | 9529952,747 | 354095,568 | 176,195 | PC |
| 5795 | 9529934,521 | 354091,799 | 182,690 | PC |
| 5796 | 9529931,251 | 354105,923 | 178,872 | PC |
| 5797 | 9529948,376 | 354106,867 | 172,535 | PC |
| 5798 | 9529966,639 | 354110,065 | 169,032 | PC |
| 5799 | 9529987,827 | 354112,978 | 170,814 | PC |
| 5800 | 9530007,078 | 354114,685 | 172,391 | PC |
| 5801 | 9529992,560 | 354124,310 | 175,279 | PC |
| 5802 | 9529971,894 | 354121,478 | 173,449 | PC |
| 5803 | 9529950,974 | 354119,965 | 169,196 | PC |
| 5804 | 9529931,214 | 354114,459 | 175,641 | PC |
| 5805 | 9529938,950 | 354151,251 | 166,435 | PC |
| 5806 | 9529956,326 | 354153,790 | 171,595 | PC |
| 5807 | 9529973,688 | 354154,759 | 178,478 | PC |
| 5808 | 9529993,644 | 354156,296 | 182,186 | PC |
| 5809 | 9530002,803 | 354175,283 | 182,162 | PC |
| 5810 | 9529981,995 | 354171,602 | 179,599 | PC |
| 5811 | 9529963,831 | 354169,958 | 173,571 | PC |
| 5812 | 9529940,799 | 354166,575 | 166,782 | PC |
| 5813 | 9529920,649 | 354164,785 | 170,025 | PC |
| 5814 | 9529916,718 | 354176,620 | 169,599 | PC |
| 5815 | 9529938,790 | 354177,642 | 165,942 | PC |
| 5816 | 9529960,915 | 354179,996 | 171,315 | PC |
| 5817 | 9529980,088 | 354183,592 | 177,137 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5818 | 9530000,172 | 354186,337 | 180,808 | PC |
| 5819 | 9529997,442 | 354210,802 | 176,467 | PC |
| 5820 | 9529976,969 | 354208,982 | 173,197 | PC |
| 5821 | 9529954,708 | 354207,028 | 168,936 | PC |
| 5822 | 9529937,869 | 354204,447 | 164,901 | PC |
| 5823 | 9529924,385 | 354199,571 | 167,382 | PC |
| 5824 | 9529921,500 | 354221,260 | 165,382 | PC |
| 5825 | 9529939,238 | 354225,215 | 166,138 | PC |
| 5826 | 9529959,896 | 354226,652 | 169,186 | PC |
| 5827 | 9529980,151 | 354227,362 | 171,996 | PC |
| 5828 | 9529998,594 | 354229,463 | 174,651 | PC |
| 5829 | 9529997,773 | 354239,332 | 174,309 | PC |
| 5830 | 9529977,376 | 354235,564 | 171,487 | PC |
| 5831 | 9529956,663 | 354231,898 | 169,259 | PC |
| 5832 | 9529936,139 | 354231,026 | 165,993 | PC |
| 5833 | 9529916,398 | 354226,842 | 165,200 | PC |
| 5834 | 9529910,865 | 354280,296 | 163,577 | PC |
| 5835 | 9529931,092 | 354280,512 | 165,690 | PC |
| 5836 | 9529951,192 | 354280,416 | 168,299 | PC |
| 5837 | 9529972,245 | 354280,450 | 168,282 | PC |
| 5838 | 9529992,693 | 354280,175 | 171,560 | PC |
| 5839 | 9529992,558 | 354293,225 | 170,076 | PC |
| 5840 | 9529972,207 | 354293,685 | 167,723 | PC |
| 5841 | 9529953,102 | 354293,447 | 166,822 | PC |
| 5842 | 9529933,278 | 354294,613 | 165,335 | PC |
| 5843 | 9529913,374 | 354295,954 | 162,350 | PC |
| 5844 | 9529915,434 | 354313,942 | 161,954 | PC |
| 5845 | 9529936,785 | 354308,873 | 164,303 | PC |
| 5846 | 9529956,207 | 354311,497 | 164,827 | PC |
| 5847 | 9529976,823 | 354307,870 | 167,263 | PC |
| 5848 | 9529998,731 | 354308,803 | 169,487 | PC |
| 5849 | 9529992,467 | 354334,541 | 167,174 | PC |
| 5850 | 9529972,781 | 354332,090 | 166,172 | PC |
| 5851 | 9529953,086 | 354329,615 | 164,015 | PC |
| 5852 | 9529933,765 | 354327,990 | 162,956 | PC |
| 5853 | 9529914,135 | 354325,226 | 161,612 | PC |
| 5854 | 9529920,276 | 354360,348 | 159,917 | PC |
| 5855 | 9529937,962 | 354353,658 | 162,164 | PC |
| 5856 | 9529963,462 | 354354,163 | 164,155 | PC |
| 5857 | 9529986,972 | 354356,513 | 165,899 | PC |
| 5858 | 9529993,283 | 354376,055 | 165,065 | PC |
| 5859 | 9529973,466 | 354375,410 | 164,161 | PC |
| 5860 | 9529953,894 | 354373,798 | 162,559 | PC |
| 5861 | 9529933,478 | 354374,578 | 160,282 | PC |
| 5862 | 9529913,226 | 354377,803 | 162,613 | PC |
| 5863 | 9529914,987 | 354392,624 | 162,351 | PC |
| 5864 | 9529937,092 | 354387,754 | 159,722 | PC |
| 5865 | 9529957,832 | 354387,665 | 162,301 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5866 | 9529976,883 | 354389,995 | 163,449 | PC |
| 5867 | 9529999,252 | 354390,119 | 164,734 | PC |
| 5868 | 9529993,262 | 354413,598 | 164,351 | PC |
| 5869 | 9529973,929 | 354412,013 | 163,323 | PC |
| 5870 | 9529954,429 | 354408,599 | 159,837 | PC |
| 5871 | 9529940,500 | 354405,437 | 160,553 | PC |
| 5872 | 9529919,744 | 354404,529 | 161,329 | PC |
| 5873 | 9529924,986 | 354421,738 | 159,763 | PC |
| 5874 | 9529945,573 | 354421,467 | 158,984 | PC |
| 5875 | 9529961,364 | 354420,345 | 162,596 | PC |
| 5876 | 9529975,499 | 354424,281 | 164,079 | PC |
| 5877 | 9529991,447 | 354427,350 | 164,726 | PC |
| 5878 | 9529989,154 | 354450,183 | 165,094 | PC |
| 5879 | 9529968,332 | 354448,935 | 163,953 | PC |
| 5880 | 9529947,282 | 354446,416 | 162,481 | PC |
| 5881 | 9529927,734 | 354443,784 | 159,175 | PC |
| 5882 | 9529927,622 | 354457,366 | 160,305 | PC |
| 5883 | 9529948,050 | 354460,856 | 162,995 | PC |
| 5884 | 9529969,073 | 354462,233 | 163,957 | PC |
| 5885 | 9529991,221 | 354466,215 | 164,930 | PC |
| 5886 | 9529995,148 | 354494,483 | 164,630 | PC |
| 5887 | 9529974,630 | 354492,435 | 164,002 | PC |
| 5888 | 9529953,537 | 354490,754 | 163,058 | PC |
| 5889 | 9529932,538 | 354489,215 | 161,293 | PC |
| 5890 | 9529912,915 | 354484,017 | 158,575 | PC |
| 5891 | 9529911,103 | 354510,217 | 158,788 | PC |
| 5892 | 9529933,846 | 354511,785 | 161,189 | PC |
| 5893 | 9529954,886 | 354512,301 | 162,613 | PC |
| 5894 | 9529973,661 | 354512,642 | 163,728 | PC |
| 5895 | 9529993,498 | 354512,852 | 164,106 | PC |
| 5896 | 9529987,026 | 354532,111 | 163,657 | PC |
| 5897 | 9529965,788 | 354530,857 | 162,512 | PC |
| 5898 | 9529944,276 | 354529,871 | 161,737 | PC |
| 5899 | 9529922,074 | 354530,631 | 160,026 | PC |
| 5900 | 9529907,998 | 354538,247 | 159,409 | PC |
| 5901 | 9529908,211 | 354573,521 | 159,247 | PC |
| 5902 | 9529929,001 | 354570,245 | 159,497 | PC |
| 5903 | 9529950,853 | 354567,645 | 160,927 | PC |
| 5904 | 9529974,605 | 354565,399 | 161,708 | PC |
| 5905 | 9529996,223 | 354563,395 | 162,339 | PC |
| 5906 | 9529983,816 | 354577,427 | 161,328 | PC |
| 5907 | 9529961,911 | 354580,287 | 160,749 | PC |
| 5908 | 9529938,505 | 354583,011 | 159,450 | PC |
| 5909 | 9529916,686 | 354585,260 | 158,412 | PC |
| 5910 | 9529895,865 | 354589,271 | 158,504 | PC |
| 5911 | 9529889,158 | 354616,581 | 157,625 | PC |
| 5912 | 9529911,088 | 354617,426 | 157,760 | PC |
| 5913 | 9529934,798 | 354616,998 | 158,109 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5914 | 9529958,283 | 354614,810 | 158,813 | PC |
| 5915 | 9529984,389 | 354613,107 | 159,944 | PC |
| 5916 | 9529986,249 | 354635,397 | 159,002 | PC |
| 5917 | 9529962,975 | 354635,101 | 157,843 | PC |
| 5918 | 9529941,035 | 354634,514 | 157,243 | PC |
| 5919 | 9529918,854 | 354634,746 | 157,401 | PC |
| 5920 | 9529896,590 | 354633,429 | 157,086 | PC |
| 5921 | 9529889,349 | 354652,826 | 156,583 | PC |
| 5922 | 9529908,193 | 354646,339 | 157,085 | PC |
| 5923 | 9529931,241 | 354645,854 | 157,194 | PC |
| 5924 | 9529951,141 | 354646,046 | 157,031 | PC |
| 5925 | 9529973,288 | 354648,288 | 158,030 | PC |
| 5926 | 9530135,626 | 354118,115 | 177,791 | PC |
| 5927 | 9530155,849 | 354118,543 | 176,781 | PC |
| 5928 | 9530176,804 | 354118,982 | 177,636 | PC |
| 5929 | 9530198,781 | 354118,118 | 179,218 | PC |
| 5930 | 9530153,998 | 354146,466 | 177,534 | PC |
| 5931 | 9530173,408 | 354143,921 | 175,263 | PC |
| 5932 | 9530196,510 | 354145,050 | 175,450 | PC |
| 5933 | 9530216,029 | 354144,918 | 175,573 | PC |
| 5934 | 9530235,873 | 354140,839 | 177,546 | PC |
| 5935 | 9530255,156 | 354140,715 | 179,022 | PC |
| 5936 | 9530260,477 | 354170,883 | 178,784 | PC |
| 5937 | 9530240,248 | 354166,215 | 177,164 | PC |
| 5938 | 9530219,601 | 354162,801 | 175,422 | PC |
| 5939 | 9530198,606 | 354160,474 | 174,778 | PC |
| 5940 | 9530179,050 | 354163,563 | 174,207 | PC |
| 5941 | 9530156,162 | 354159,580 | 176,981 | PC |
| 5942 | 9530150,875 | 354177,703 | 175,592 | PC |
| 5943 | 9530171,119 | 354178,458 | 173,654 | PC |
| 5944 | 9530191,266 | 354179,033 | 174,089 | PC |
| 5945 | 9530212,599 | 354181,436 | 175,137 | PC |
| 5946 | 9530232,997 | 354180,891 | 176,430 | PC |
| 5947 | 9530227,831 | 354211,363 | 175,684 | PC |
| 5948 | 9530215,274 | 354210,286 | 174,971 | PC |
| 5949 | 9530194,970 | 354208,779 | 174,483 | PC |
| 5950 | 9530177,449 | 354207,224 | 172,991 | PC |
| 5951 | 9530148,890 | 354204,484 | 171,560 | PC |
| 5952 | 9530150,816 | 354220,453 | 171,071 | PC |
| 5953 | 9530170,198 | 354222,612 | 172,570 | PC |
| 5954 | 9530189,577 | 354226,366 | 173,533 | PC |
| 5955 | 9530209,555 | 354228,826 | 174,265 | PC |
| 5956 | 9530229,450 | 354230,739 | 174,847 | PC |
| 5957 | 9530153,606 | 354242,993 | 170,501 | PC |
| 5958 | 9530174,081 | 354244,943 | 172,284 | PC |
| 5959 | 9530194,842 | 354248,023 | 173,205 | PC |
| 5960 | 9530215,603 | 354248,945 | 173,875 | PC |
| 5961 | 9530237,514 | 354248,456 | 174,403 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5962 | 9530152,045 | 354264,401 | 169,778 | PC |
| 5963 | 9530172,756 | 354264,434 | 171,234 | PC |
| 5964 | 9530197,212 | 354267,542 | 172,455 | PC |
| 5965 | 9530218,071 | 354267,406 | 172,714 | PC |
| 5966 | 9530237,987 | 354271,517 | 174,239 | PC |
| 5967 | 9530150,826 | 354279,370 | 169,313 | PC |
| 5968 | 9530171,713 | 354282,966 | 170,455 | PC |
| 5969 | 9530199,243 | 354285,638 | 171,589 | PC |
| 5970 | 9530221,445 | 354286,945 | 173,166 | PC |
| 5971 | 9530240,527 | 354285,990 | 174,256 | PC |
| 5972 | 9530149,735 | 354302,983 | 167,001 | PC |
| 5973 | 9530169,875 | 354305,866 | 168,505 | PC |
| 5974 | 9530191,887 | 354307,935 | 170,944 | PC |
| 5975 | 9530213,861 | 354310,332 | 172,202 | PC |
| 5976 | 9530234,482 | 354313,059 | 171,465 | PC |
| 5977 | 9530153,945 | 354329,285 | 165,931 | PC |
| 5978 | 9530175,871 | 354331,815 | 168,853 | PC |
| 5979 | 9530197,524 | 354334,075 | 169,492 | PC |
| 5980 | 9530217,961 | 354336,935 | 169,393 | PC |
| 5981 | 9530236,911 | 354338,742 | 169,645 | PC |
| 5982 | 9530149,191 | 354339,069 | 165,533 | PC |
| 5983 | 9530170,550 | 354341,623 | 167,454 | PC |
| 5984 | 9530191,556 | 354344,796 | 168,653 | PC |
| 5985 | 9530212,410 | 354347,667 | 168,704 | PC |
| 5986 | 9530230,654 | 354353,712 | 169,026 | PC |
| 5987 | 9530226,922 | 354370,479 | 168,712 | PC |
| 5988 | 9530206,976 | 354367,959 | 167,979 | PC |
| 5989 | 9530186,090 | 354361,980 | 167,837 | PC |
| 5990 | 9530166,701 | 354355,927 | 166,166 | PC |
| 5991 | 9530145,962 | 354353,157 | 165,096 | PC |
| 5992 | 9530149,158 | 354375,206 | 164,764 | PC |
| 5993 | 9530171,967 | 354375,114 | 166,073 | PC |
| 5994 | 9530193,336 | 354377,727 | 167,586 | PC |
| 5995 | 9530214,281 | 354378,699 | 167,690 | PC |
| 5996 | 9530233,757 | 354381,680 | 169,284 | PC |
| 5997 | 9530239,665 | 354397,968 | 169,445 | PC |
| 5998 | 9530219,827 | 354398,982 | 167,764 | PC |
| 5999 | 9530198,298 | 354400,121 | 166,949 | PC |
| 6000 | 9530177,810 | 354400,848 | 164,835 | PC |
| 6001 | 9530156,703 | 354401,603 | 163,162 | PC |
| 6002 | 9530149,989 | 354417,408 | 165,954 | PC |
| 6003 | 9530170,518 | 354418,630 | 162,590 | PC |
| 6004 | 9530192,406 | 354417,968 | 165,559 | PC |
| 6005 | 9530214,243 | 354415,856 | 165,851 | PC |
| 6006 | 9530235,176 | 354415,388 | 168,209 | PC |
| 6007 | 9530238,277 | 354445,073 | 165,922 | PC |
| 6008 | 9530215,760 | 354445,214 | 164,084 | PC |
| 6009 | 9530193,288 | 354446,267 | 163,149 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6010 | 9530171,535 | 354445,218 | 162,012 | PC |
| 6011 | 9530150,685 | 354448,057 | 164,180 | PC |
| 6012 | 9530144,772 | 354462,631 | 164,550 | PC |
| 6013 | 9530166,460 | 354463,740 | 162,781 | PC |
| 6014 | 9530188,612 | 354465,310 | 161,902 | PC |
| 6015 | 9530209,738 | 354465,466 | 162,895 | PC |
| 6016 | 9530231,570 | 354465,547 | 164,571 | PC |
| 6017 | 9530229,702 | 354490,649 | 163,065 | PC |
| 6018 | 9530209,118 | 354488,826 | 161,919 | PC |
| 6019 | 9530188,835 | 354487,468 | 160,690 | PC |
| 6020 | 9530168,359 | 354486,443 | 162,139 | PC |
| 6021 | 9530148,915 | 354484,856 | 163,278 | PC |
| 6022 | 9530146,952 | 354498,891 | 161,963 | PC |
| 6023 | 9530168,416 | 354501,258 | 161,314 | PC |
| 6024 | 9530189,776 | 354500,976 | 159,867 | PC |
| 6025 | 9530211,824 | 354502,288 | 161,316 | PC |
| 6026 | 9530231,213 | 354506,023 | 162,816 | PC |
| 6027 | 9530231,535 | 354525,250 | 161,741 | PC |
| 6028 | 9530210,166 | 354524,894 | 160,280 | PC |
| 6029 | 9530189,857 | 354523,670 | 158,737 | PC |
| 6030 | 9530168,515 | 354522,453 | 158,644 | PC |
| 6031 | 9530148,004 | 354520,916 | 160,967 | PC |
| 6032 | 9530142,420 | 354539,143 | 160,057 | PC |
| 6033 | 9530161,880 | 354539,704 | 158,974 | PC |
| 6034 | 9530183,977 | 354540,143 | 157,628 | PC |
| 6035 | 9530204,657 | 354540,858 | 159,334 | PC |
| 6036 | 9530225,380 | 354541,674 | 160,732 | PC |
| 6037 | 9530225,694 | 354555,865 | 160,550 | PC |
| 6038 | 9530204,884 | 354554,997 | 158,856 | PC |
| 6039 | 9530184,466 | 354552,028 | 157,626 | PC |
| 6040 | 9530164,255 | 354551,151 | 157,763 | PC |
| 6041 | 9530143,968 | 354551,379 | 160,511 | PC |
| 6042 | 9530137,551 | 354577,985 | 160,860 | PC |
| 6043 | 9530157,008 | 354577,589 | 157,752 | PC |
| 6044 | 9530176,935 | 354578,371 | 156,969 | PC |
| 6045 | 9530197,626 | 354578,781 | 157,846 | PC |
| 6046 | 9530218,246 | 354578,965 | 159,840 | PC |
| 6047 | 9530215,731 | 354611,786 | 159,846 | PC |
| 6048 | 9530195,562 | 354609,691 | 157,326 | PC |
| 6049 | 9530174,326 | 354609,651 | 156,680 | PC |
| 6050 | 9530153,537 | 354608,909 | 155,598 | PC |
| 6051 | 9530136,372 | 354608,000 | 159,430 | PC |
| 6052 | 9530140,496 | 354621,252 | 158,111 | PC |
| 6053 | 9530159,788 | 354622,158 | 155,419 | PC |
| 6054 | 9530179,275 | 354623,687 | 155,857 | PC |
| 6055 | 9530199,595 | 354624,140 | 157,873 | PC |
| 6056 | 9530219,367 | 354627,504 | 160,729 | PC |
| 6057 | 9530218,673 | 354638,077 | 160,999 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6058 | 9530200,025 | 354636,162 | 158,177 | PC |
| 6059 | 9530178,232 | 354635,929 | 155,188 | PC |
| 6060 | 9530157,042 | 354636,316 | 154,527 | PC |
| 6061 | 9530139,875 | 354636,249 | 158,393 | PC |
| 6062 | 9530141,543 | 354663,280 | 158,094 | PC |
| 6063 | 9530160,108 | 354655,802 | 153,312 | PC |
| 6064 | 9530178,553 | 354656,935 | 154,468 | PC |
| 6065 | 9530197,362 | 354656,581 | 157,374 | PC |
| 6066 | 9530216,219 | 354654,420 | 160,369 | PC |
| 6067 | 9530212,778 | 354672,956 | 159,665 | PC |
| 6068 | 9530192,888 | 354673,045 | 156,534 | PC |
| 6069 | 9530173,363 | 354674,295 | 152,534 | PC |
| 6070 | 9530153,939 | 354674,736 | 154,812 | PC |
| 6071 | 9530136,398 | 354677,279 | 157,201 | PC |
| 6072 | 9530140,131 | 354690,977 | 154,709 | PC |
| 6073 | 9530160,433 | 354690,301 | 153,190 | PC |
| 6074 | 9530180,678 | 354689,729 | 154,403 | PC |
| 6075 | 9530200,582 | 354690,418 | 157,184 | PC |
| 6076 | 9530220,435 | 354689,076 | 160,424 | PC |
| 6077 | 9530224,027 | 354706,670 | 159,860 | PC |
| 6078 | 9530203,893 | 354707,136 | 157,363 | PC |
| 6079 | 9530181,773 | 354709,576 | 154,280 | PC |
| 6080 | 9530160,792 | 354708,542 | 152,265 | PC |
| 6081 | 9530140,780 | 354708,132 | 154,096 | PC |
| 6082 | 9530140,334 | 354732,575 | 153,228 | PC |
| 6083 | 9530160,343 | 354730,090 | 151,980 | PC |
| 6084 | 9530179,438 | 354727,029 | 153,765 | PC |
| 6085 | 9530199,922 | 354723,398 | 155,609 | PC |
| 6086 | 9530219,803 | 354721,963 | 158,010 | PC |
| 6087 | 9530221,506 | 354737,895 | 157,231 | PC |
| 6088 | 9530200,713 | 354738,697 | 154,804 | PC |
| 6089 | 9530180,395 | 354744,292 | 153,632 | PC |
| 6090 | 9530160,024 | 354748,765 | 151,587 | PC |
| 6091 | 9530140,418 | 354754,107 | 153,140 | PC |
| 6092 | 9530141,764 | 354757,224 | 152,845 | PC |
| 6093 | 9530162,390 | 354756,791 | 151,696 | PC |
| 6094 | 9530182,318 | 354756,130 | 153,673 | PC |
| 6095 | 9530203,856 | 354757,898 | 155,591 | PC |
| 6096 | 9530135,751 | 354779,160 | 153,324 | PC |
| 6097 | 9530161,817 | 354776,832 | 151,940 | PC |
| 6098 | 9530182,905 | 354778,239 | 153,665 | PC |
| 6099 | 9530203,356 | 354778,212 | 155,108 | PC |
| 6100 | 9530223,161 | 354774,700 | 156,589 | PC |
| 6101 | 9530139,104 | 354806,522 | 152,203 | PC |
| 6102 | 9530159,507 | 354807,354 | 151,029 | PC |
| 6103 | 9530179,781 | 354805,715 | 151,777 | PC |
| 6104 | 9530200,061 | 354806,582 | 153,220 | PC |
| 6105 | 9530220,123 | 354811,009 | 154,363 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6106 | 9530080,227 | 354813,448 | 152,275 | PC |
| 6107 | 9530098,346 | 354815,733 | 152,704 | PC |
| 6108 | 9530117,021 | 354820,029 | 153,257 | PC |
| 6109 | 9530136,678 | 354824,236 | 152,434 | PC |
| 6110 | 9530156,240 | 354828,485 | 151,615 | PC |
| 6111 | 9530176,658 | 354831,501 | 152,332 | PC |
| 6112 | 9530196,912 | 354836,295 | 153,607 | PC |
| 6113 | 9530215,959 | 354841,113 | 154,067 | PC |
| 6114 | 9530217,538 | 354863,746 | 153,538 | PC |
| 6115 | 9530197,323 | 354859,755 | 153,474 | PC |
| 6116 | 9530177,822 | 354856,138 | 153,283 | PC |
| 6117 | 9530157,575 | 354852,910 | 151,616 | PC |
| 6118 | 9530137,208 | 354849,896 | 150,978 | PC |
| 6119 | 9530118,314 | 354846,061 | 151,827 | PC |
| 6120 | 9530098,472 | 354843,339 | 152,047 | PC |
| 6121 | 9530078,820 | 354838,388 | 153,191 | PC |
| 6122 | 9530059,990 | 354854,752 | 152,635 | E-81 |
| 6123 | 9530080,467 | 354857,094 | 152,758 | PC |
| 6124 | 9530100,547 | 354860,563 | 153,103 | PC |
| 6125 | 9530121,348 | 354863,355 | 151,384 | PC |
| 6126 | 9530141,559 | 354866,595 | 151,523 | PC |
| 6127 | 9530163,358 | 354870,510 | 152,471 | PC |
| 6128 | 9530197,970 | 354889,643 | 152,811 | PC |
| 6129 | 9530218,476 | 354898,096 | 152,670 | PC |
| 6130 | 9529969,585 | 354672,065 | 156,291 | PC |
| 6131 | 9529949,885 | 354671,641 | 155,906 | PC |
| 6132 | 9529929,125 | 354671,131 | 155,672 | PC |
| 6133 | 9529908,617 | 354673,016 | 156,262 | PC |
| 6134 | 9529889,215 | 354672,814 | 156,431 | PC |
| 6135 | 9529889,078 | 354702,670 | 155,648 | PC |
| 6136 | 9529908,963 | 354700,901 | 155,330 | PC |
| 6137 | 9529929,112 | 354700,916 | 154,548 | PC |
| 6138 | 9529951,734 | 354700,254 | 154,463 | PC |
| 6139 | 9529973,391 | 354699,921 | 155,017 | PC |
| 6140 | 9529976,373 | 354724,516 | 154,010 | PC |
| 6141 | 9529955,311 | 354725,724 | 153,614 | PC |
| 6142 | 9529932,090 | 354727,275 | 153,829 | PC |
| 6143 | 9529911,351 | 354726,468 | 154,429 | PC |
| 6144 | 9529890,135 | 354726,893 | 154,753 | PC |
| 6145 | 9529893,266 | 354752,451 | 154,022 | PC |
| 6146 | 9529914,958 | 354752,575 | 153,537 | PC |
| 6147 | 9529936,196 | 354752,489 | 153,545 | PC |
| 6148 | 9529955,546 | 354752,595 | 153,196 | PC |
| 6149 | 9529974,400 | 354753,458 | 153,001 | PC |
| 6150 | 9529984,828 | 354788,229 | 152,958 | PC |
| 6151 | 9529961,040 | 354787,688 | 153,439 | PC |
| 6152 | 9529938,869 | 354788,006 | 152,024 | PC |
| 6153 | 9529917,839 | 354788,573 | 152,326 | PC |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6154 | 9529898,464 | 354789,378 | 153,496 | PC |
| 6155 | 9529983,608 | 354810,708 | 152,544 | PC |
| 6156 | 9529965,217 | 354806,374 | 152,705 | PC |
| 6157 | 9529946,775 | 354809,443 | 151,515 | PC |
| 6158 | 9529925,256 | 354808,583 | 152,226 | PC |
| 6159 | 9529906,261 | 354809,185 | 152,659 | PC |
| 6160 | 9530040,577 | 354832,817 | 153,440 | PC |
| 6161 | 9530020,503 | 354831,926 | 152,623 | PC |
| 6162 | 9530001,316 | 354830,635 | 152,883 | PC |
| 6163 | 9529979,327 | 354831,102 | 151,825 | PC |
| 6164 | 9529922,553 | 354832,892 | 148,664 | PC |
| 6165 | 9529902,518 | 354834,667 | 148,927 | PC |
| 6166 | 9528238,657 | 357153,258 | 190,811 | E192+19,04 |
| 6167 | 9529481,424 | 355938,614 | 181,497 | MC P7 |
| 6168 | 9529412,044 | 354870,196 | 168,002 | MC-P6 |
| 6169 | 9528859,459 | 356453,880 | 184,152 | MC P8 |
| 6170 | 9529819,746 | 353907,450 | 204,558 | MARCO-E0 |
| 6171 | 9529811,947 | 353925,867 | 202,426 | E-01 |
| 6172 | 9529804,148 | 353944,283 | 198,747 | E-02 |
| 6173 | 9529796,349 | 353962,700 | 194,978 | E-03 |
| 6174 | 9529788,550 | 353981,117 | 191,110 | E-04 |
| 6175 | 9529780,751 | 353999,533 | 185,812 | E-05 |
| 6176 | 9529772,952 | 354017,950 | 181,591 | E-06 |
| 6177 | 9529765,153 | 354036,367 | 177,905 | E-07 |
| 6178 | 9529757,353 | 354054,784 | 174,535 | E-08 |
| 6179 | 9529749,554 | 354073,200 | 172,974 | E-09 |
| 6180 | 9529741,755 | 354091,617 | 171,876 | E-10 |
| 6181 | 9529733,956 | 354110,034 | 170,009 | E-11 |
| 6182 | 9529726,157 | 354128,450 | 168,949 | E-12 |
| 6183 | 9529718,358 | 354146,867 | 167,743 | E-13 |
| 6184 | 9529710,559 | 354165,284 | 166,788 | E-14 |
| 6185 | 9529702,760 | 354183,700 | 166,325 | E-15 |
| 6186 | 9529694,961 | 354202,117 | 165,741 | E-16 |
| 6187 | 9529687,162 | 354220,534 | 164,340 | E-17 |
| 6188 | 9529679,363 | 354238,950 | 164,448 | E-18 |
| 6189 | 9529671,564 | 354257,367 | 163,412 | E-19 |
| 6190 | 9529663,765 | 354275,784 | 162,168 | E-20 |
| 6191 | 9529655,966 | 354294,201 | 163,585 | E-21 |
| 6192 | 9529648,166 | 354312,617 | 164,061 | E-22 |
| 6193 | 9529640,367 | 354331,034 | 163,950 | E-23 |
| 6194 | 9529632,568 | 354349,451 | 162,250 | E-24 |
| 6195 | 9529624,769 | 354367,867 | 160,799 | E-25 |
| 6196 | 9529616,970 | 354386,284 | 159,997 | E-26 |
| 6197 | 9529609,171 | 354404,701 | 160,859 | E-27 |
| 6198 | 9529601,372 | 354423,117 | 160,690 | E-28 |
| 6199 | 9529414,194 | 354865,118 | 167,919 | E-52 |
| 6200 | 9529421,994 | 354846,701 | 168,563 | E-51 |
| 6201 | 9529429,793 | 354828,285 | 167,515 | E-50 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6202 | 9529437,592 | 354809,868 | 164,530 | E-49 |
| 6203 | 9529445,391 | 354791,451 | 162,376 | E-48 |
| 6204 | 9529453,190 | 354773,035 | 160,943 | E-47 |
| 6205 | 9529460,989 | 354754,618 | 159,488 | E-46 |
| 6206 | 9529468,788 | 354736,201 | 157,939 | E-45 |
| 6207 | 9529476,587 | 354717,784 | 157,365 | E-44 |
| 6208 | 9529473,958 | 354719,769 | 157,364 | SP4 E-42 |
| 6209 | 9529484,386 | 354699,368 | 153,840 | E-43 |
| 6210 | 9529492,185 | 354680,951 | 151,867 | E-42 |
| 6211 | 9529499,984 | 354662,534 | 150,989 | E-41 |
| 6212 | 9529507,783 | 354644,118 | 153,660 | E-40 |
| 6213 | 9529507,230 | 354644,365 | 153,450 | F3 |
| 6214 | 9529515,582 | 354625,701 | 153,873 | E-39 |
| 6215 | 9529523,381 | 354607,284 | 153,738 | E-38 |
| 6216 | 9529531,180 | 354588,868 | 154,843 | E-37 |
| 6217 | 9529538,980 | 354570,451 | 155,549 | E-36 |
| 6218 | 9529546,779 | 354552,034 | 155,864 | E-35 |
| 6219 | 9529554,578 | 354533,618 | 156,926 | E-34 F4 |
| 6220 | 9529562,377 | 354515,201 | 157,936 | E-33 |
| 6221 | 9529570,176 | 354496,784 | 158,902 | E-32 |
| 6222 | 9529577,975 | 354478,367 | 159,711 | E-31 |
| 6223 | 9529585,774 | 354459,951 | 160,321 | E-30 |
| 6224 | 9529593,573 | 354441,534 | 160,817 | E-29 |
| 6225 | 9529413,906 | 354865,253 | 167,822 | SM 07 E-52 |
| 6226 | 9529412,983 | 354884,651 | 165,670 | E-53 |
| 6227 | 9529414,279 | 354904,609 | 162,984 | E-54 |
| 6228 | 9529415,575 | 354924,567 | 160,928 | E-55 |
| 6229 | 9529416,871 | 354944,525 | 159,309 | E-56 |
| 6230 | 9529418,167 | 354964,483 | 157,900 | E-57 |
| 6231 | 9529417,876 | 354964,916 | 157,573 | F02 |
| 6232 | 9529419,463 | 354984,441 | 155,761 | E-58 |
| 6233 | 9529420,759 | 355004,399 | 153,306 | E-59 |
| 6234 | 9529422,055 | 355024,357 | 152,756 | E-60 |
| 6235 | 9529423,351 | 355044,315 | 152,586 | E-61 |
| 6236 | 9529424,647 | 355064,273 | 150,296 | E-62 F03 |
| 6237 | 9529425,943 | 355084,231 | 149,603 | E-63 |
| 6238 | 9529427,239 | 355104,189 | 151,056 | E-64 |
| 6239 | 9529428,535 | 355124,147 | 154,739 | E-65 F04 |
| 6240 | 9529429,831 | 355144,104 | 155,384 | E-66 |
| 6241 | 9529431,127 | 355164,062 | 156,485 | E-67 |
| 6242 | 9529432,423 | 355184,020 | 157,275 | E-68 |
| 6243 | 9529433,719 | 355203,978 | 158,409 | E-69 |
| 6244 | 9529435,015 | 355223,936 | 159,103 | E-70 F05 |
| 6245 | 9529436,311 | 355243,894 | 160,055 | E-71 |
| 6246 | 9529437,607 | 355263,852 | 160,109 | E-72 |
| 6247 | 9529438,903 | 355283,810 | 160,171 | E-73 |
| 6248 | 9529440,199 | 355303,768 | 159,832 | E-74 |
| 6249 | 9529441,495 | 355323,726 | 160,089 | E-75 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6250 | 9529442,791 | 355343,684 | 160,442 | E-76 |
| 6251 | 9529444,087 | 355363,642 | 160,894 | E-77 |
| 6252 | 9529445,383 | 355383,600 | 159,201 | E-78 |
| 6253 | 9529446,679 | 355403,558 | 159,830 | E-79 |
| 6254 | 9529447,975 | 355423,516 | 161,972 | E-80 F06 |
| 6255 | 9529449,271 | 355443,474 | 164,103 | E-81 |
| 6256 | 9529450,567 | 355463,432 | 164,774 | E-82 |
| 6257 | 9529375,839 | 355224,456 | 159,653 | F,07 |
| 6258 | 9529478,484 | 355941,049 | 181,253 | E-106 |
| 6259 | 9529480,375 | 355922,465 | 181,418 | E-105 |
| 6260 | 9529479,079 | 355902,507 | 180,985 | E-104 |
| 6261 | 9529477,783 | 355882,549 | 180,149 | E-103 |
| 6262 | 9529476,487 | 355862,591 | 179,300 | E-102 |
| 6263 | 9529475,191 | 355842,633 | 178,365 | E-101 |
| 6264 | 9529473,895 | 355822,675 | 176,942 | E-100 |
| 6265 | 9529472,599 | 355802,717 | 175,349 | E-99 |
| 6266 | 9529471,303 | 355782,759 | 174,589 | E-98 |
| 6267 | 9529470,007 | 355762,801 | 176,380 | E-97 |
| 6268 | 9529468,711 | 355742,843 | 177,588 | E-96 |
| 6269 | 9529467,415 | 355722,885 | 178,778 | E-95 |
| 6270 | 9529466,119 | 355702,928 | 179,660 | E-94 |
| 6271 | 9529464,823 | 355682,970 | 179,375 | E-93 |
| 6272 | 9529463,527 | 355663,012 | 179,108 | E-92 |
| 6273 | 9529462,231 | 355643,054 | 178,441 | E-91 |
| 6274 | 9529460,935 | 355623,096 | 177,739 | E-90 |
| 6275 | 9529459,639 | 355603,138 | 177,208 | E-89 |
| 6276 | 9529458,343 | 355583,180 | 176,068 | E-88 |
| 6277 | 9529457,047 | 355563,222 | 173,971 | E-87 |
| 6278 | 9529455,751 | 355543,264 | 172,526 | E-86 |
| 6279 | 9529454,455 | 355523,306 | 169,725 | E-85 |
| 6280 | 9529453,159 | 355503,348 | 167,742 | E-84 |
| 6281 | 9529451,863 | 355483,390 | 166,353 | E-83 |
| 6282 | 9529463,083 | 355953,808 | 180,910 | E-107 |
| 6283 | 9529447,681 | 355966,568 | 180,668 | E-108 |
| 6284 | 9529432,280 | 355979,327 | 180,192 | E-109 |
| 6285 | 9529416,879 | 355992,086 | 180,288 | E-110 |
| 6286 | 9529401,477 | 356004,845 | 179,720 | E-111 |
| 6287 | 9529386,076 | 356017,604 | 178,867 | E-112 |
| 6288 | 9529370,674 | 356030,364 | 178,279 | E-113 |
| 6289 | 9529355,273 | 356043,123 | 177,535 | E-114 |
| 6290 | 9529339,872 | 356055,882 | 177,210 | E-115 |
| 6291 | 9529324,470 | 356068,641 | 177,275 | E-116 |
| 6292 | 9529309,069 | 356081,401 | 177,390 | E-117 |
| 6293 | 9529293,668 | 356094,160 | 177,700 | E-118 |
| 6294 | 9529278,266 | 356106,919 | 177,353 | E-119 |
| 6295 | 9529262,865 | 356119,678 | 178,179 | E-120 |
| 6296 | 9529247,464 | 356132,438 | 178,973 | E-121 |
| 6297 | 9529232,062 | 356145,197 | 180,033 | E-122 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6298 | 9529216,661 | 356157,956 | 180,653 | E-123 |
| 6299 | 9529201,260 | 356170,715 | 181,474 | E-124 |
| 6300 | 9529185,858 | 356183,475 | 182,091 | E-125 |
| 6301 | 9529170,457 | 356196,234 | 182,473 | E-126 |
| 6302 | 9529155,056 | 356208,993 | 182,415 | E-127 |
| 6303 | 9529139,654 | 356221,752 | 182,179 | E-128 |
| 6304 | 9529124,253 | 356234,512 | 181,805 | E-129 |
| 6305 | 9529108,851 | 356247,271 | 181,506 | E-130 |
| 6306 | 9529093,450 | 356260,030 | 181,237 | E-131 |
| 6307 | 9529062,647 | 356285,549 | 182,648 | E-133 |
| 6308 | 9529047,246 | 356298,308 | 183,081 | E-134 |
| 6309 | 9529031,845 | 356311,067 | 183,493 | E-135 |
| 6310 | 9529016,443 | 356323,826 | 184,640 | E-136 |
| 6311 | 9529001,042 | 356336,586 | 184,584 | E-137 |
| 6312 | 9528985,641 | 356349,345 | 185,477 | E-138 |
| 6313 | 9528970,239 | 356362,104 | 185,993 | E-139 |
| 6314 | 9528954,838 | 356374,863 | 185,829 | E-140 |
| 6315 | 9528939,437 | 356387,623 | 186,173 | E-141 |
| 6316 | 9528924,035 | 356400,382 | 185,672 | E-142 |
| 6317 | 9528908,634 | 356413,141 | 185,043 | E-143 |
| 6318 | 9528893,232 | 356425,900 | 184,707 | E-144 |
| 6319 | 9528877,831 | 356438,660 | 184,437 | E-145 |
| 6320 | 9528862,430 | 356451,419 | 183,912 | E-146 |
| 6321 | 9528848,743 | 356465,952 | 183,617 | E-147 |
| 6322 | 9528835,466 | 356480,910 | 183,212 | E-148 |
| 6323 | 9528822,189 | 356495,867 | 182,741 | E-149 |
| 6324 | 9528808,912 | 356510,824 | 182,391 | E-150 |
| 6325 | 9528795,635 | 356525,782 | 182,167 | E-151 |
| 6326 | 9528782,359 | 356540,739 | 182,041 | E-152 |
| 6327 | 9528769,082 | 356555,697 | 181,989 | E-153 |
| 6328 | 9528755,805 | 356570,654 | 181,817 | E-154 |
| 6329 | 9528742,528 | 356585,611 | 181,677 | E-155 |
| 6330 | 9528729,251 | 356600,569 | 181,824 | E-156 |
| 6331 | 9528715,974 | 356615,526 | 182,211 | E-157 |
| 6332 | 9528702,697 | 356630,484 | 182,659 | E-158 |
| 6333 | 9528689,420 | 356645,441 | 182,634 | E-159 |
| 6334 | 9528676,143 | 356660,398 | 182,474 | E-160 |
| 6335 | 9528662,866 | 356675,356 | 182,433 | E-161 |
| 6336 | 9528649,589 | 356690,313 | 182,336 | E-162 |
| 6337 | 9528636,313 | 356705,271 | 182,274 | E-163 |
| 6338 | 9528623,036 | 356720,228 | 182,235 | E-164 |
| 6339 | 9528609,759 | 356735,185 | 182,119 | E-165 |
| 6340 | 9528596,482 | 356750,143 | 182,443 | E-166 |
| 6341 | 9528251,282 | 357139,035 | 190,230 | E-192 |
| 6342 | 9528264,559 | 357124,078 | 189,740 | E-191 |
| 6343 | 9528277,836 | 357109,120 | 188,740 | E-190 |
| 6344 | 9528291,113 | 357094,163 | 188,060 | E-189 |
| 6345 | 9528304,390 | 357079,205 | 187,040 | E-188 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6346 | 9528317,667 | 357064,248 | 186,820 | E-187 |
| 6347 | 9528330,944 | 357049,291 | 186,550 | E-186 |
| 6348 | 9528344,221 | 357034,333 | 185,990 | E-185 |
| 6349 | 9528357,412 | 357019,472 | 185,560 | E-184 |
| 6350 | 9528370,774 | 357004,418 | 185,330 | E-183 |
| 6351 | 9528384,051 | 356989,461 | 185,090 | E-182 |
| 6352 | 9528397,328 | 356974,504 | 184,790 | E-181 |
| 6353 | 9528410,605 | 356959,546 | 184,660 | E-180 |
| 6354 | 9528423,882 | 356944,589 | 184,214 | E-179 |
| 6355 | 9528437,159 | 356929,631 | 183,972 | E-178 |
| 6356 | 9528450,436 | 356914,674 | 183,679 | E-177 |
| 6357 | 9528463,713 | 356899,717 | 183,492 | E-176 |
| 6358 | 9528476,990 | 356884,759 | 183,310 | E-175 |
| 6359 | 9528490,267 | 356869,802 | 183,132 | E-174 |
| 6360 | 9528503,544 | 356854,844 | 182,846 | E-173 |
| 6361 | 9528516,820 | 356839,887 | 182,706 | E-172 |
| 6362 | 9528530,097 | 356824,930 | 182,541 | E-171 |
| 6363 | 9528543,374 | 356809,972 | 182,430 | E-170 |
| 6364 | 9528556,651 | 356795,015 | 182,300 | E-169 |
| 6365 | 9528569,928 | 356780,058 | 182,241 | E-168 |
| 6366 | 9528583,205 | 356765,100 | 182,321 | E-167 |
| 6368 | 9526753,500 | 356745,000 | 163,966 | J2-49 |
| 6369 | 9526837,000 | 356703,000 | 165,648 | J2-48 |
| 6370 | 9527093,000 | 356568,000 | 162,629 | J2-45 |
| 6371 | 9527183,000 | 356521,000 | 162,887 | J2-44 |
| 6372 | 9527275,427 | 356489,714 | 162,567 | J2-43 |
| 6373 | 9527150,273 | 356874,506 | 164,051 | J2-25 |
| 6374 | 9527204,887 | 356964,740 | 165,996 | J2-18 |
| 6375 | 9527511,727 | 356900,608 | 171,731 | J2-08 |
| 6376 | 9527102,691 | 357369,040 | 170,288 | J2-77 |
| 6377 | 9526967,887 | 357418,907 | 167,277 | J6-11 |
| 6378 | 9529700,588 | 357501,289 | 169,574 | J7-15 |
| 6379 | 9531163,000 | 356780,000 | 161,111 | J5-28 |
| 6380 | 9531508,225 | 357286,351 | 168,398 | J5-43 |
| 6381 | 9531727,065 | 357074,664 | 159,035 | J5-40 |
| 6382 | 9531647,867 | 357001,232 | 154,902 | J5-15 |
| 6383 | 9529156,000 | 353469,000 | 186,279 | J8-38 |
| 6384 | 9529331,000 | 353577,000 | 181,639 | J8-28 |
| 6385 | 9525211,722 | 353219,635 | 176,617 | J19-11 |
| 6386 | 9525295,530 | 353419,039 | 172,266 | J19-16 |
| 6387 | 9525013,395 | 353310,144 | 180,853 | J19-26 |
| 6388 | 9525731,389 | 353246,019 | 177,521 | J18-19 |
| 6389 | 9525792,214 | 353443,725 | 176,541 | J18-33 |
| 6390 | 9526141,698 | 353546,465 | 169,503 | J18-44 |
| 6391 | 9525278,210 | 353145,949 | 168,038 | J19-04 |
| 6392 | 9527016,008 | 354532,470 | 169,242 | J16-32 |
| 6393 | 9525042,000 | 353863,000 | 174,044 | J19-50 |
| 6394 | 9524961,000 | 353799,000 | 171,763 | J19-51 |

| CADERNETA DE CAMPO – GERAL | | | | |
|----------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6395 | 9524882,453 | 353731,236 | 170,964 | J19-52 |
| 6396 | 9524648,624 | 353541,001 | 172,502 | J19-55 |
| 6397 | 9524569,190 | 353474,438 | 176,358 | J19-56 |
| 6398 | 9524734,951 | 353602,089 | 170,908 | J19-54 |
| 6399 | 9524801,606 | 353676,190 | 170,930 | J19-53 |
| 11476 | 9528291,724 | 354362,203 | 186,049 | J3-39 |
| 11477 | 9528130,724 | 354483,203 | 184,882 | J3-37 |
| 11479 | 9529499,664 | 355915,083 | 180,937 | J1 |
| 11481 | 9529522,734 | 355950,255 | 180,513 | J2 |
| 11482 | 9529540,141 | 355911,789 | 181,668 | J3 |
| 11484 | 9528658,000 | 356454,000 | 176,742 | J1-06 |
| 11486 | 9528592,312 | 356087,640 | 175,872 | J1-52 |
| 11487 | 9528519,393 | 356019,248 | 171,777 | J1-53 |
| 11491 | 9529504,002 | 355970,030 | 179,617 | J2 |
| 11493 | 9529523,316 | 355969,072 | 179,599 | PC |
| 11494 | 9529522,837 | 355981,211 | 179,119 | J3 |
| 11496 | 9529543,259 | 355992,685 | 178,409 | J4 |
| 11497 | 9529502,530 | 355951,243 | 180,225 | J1 |
| 11499 | 9529522,197 | 355942,926 | 180,829 | J2 |
| 11500 | 9529542,192 | 355943,518 | 180,506 | J3 |
| 11501 | 9529560,892 | 355930,035 | 180,169 | J4 |
| 11502 | 9529562,077 | 355943,968 | 179,614 | J4 |
| 11503 | 9529564,595 | 355961,605 | 178,957 | J4 |
| 11504 | 9529557,634 | 355975,982 | 178,509 | J4 |
| 11505 | 9529578,814 | 355908,396 | 181,441 | J5 |
| 11506 | 9529582,665 | 355944,709 | 179,243 | J5 |
| 11507 | 9529584,590 | 355964,718 | 178,408 | J5 |
| 11508 | 9529599,290 | 355906,608 | 181,651 | J6 |
| 11509 | 9529600,771 | 355925,876 | 180,085 | J6 |
| 11510 | 9529603,289 | 355946,181 | 178,950 | J6 |
| 11511 | 9529595,735 | 355993,017 | 177,072 | J6 |
| 11512 | 9529619,478 | 355905,412 | 181,855 | J7 |
| 11513 | 9529621,255 | 355925,421 | 179,841 | J7 |
| 11514 | 9529623,181 | 355945,281 | 179,049 | J7 |
| 11515 | 9529625,699 | 355976,110 | 177,512 | J7 |
| 11516 | 9529615,775 | 356003,382 | 176,712 | J7 |
| 11517 | 9529639,792 | 355903,328 | 182,474 | J8 |
| 11518 | 9529642,050 | 355923,213 | 180,711 | J8 |
| 11519 | 9529644,308 | 355946,865 | 179,219 | J8 |
| 11520 | 9529645,362 | 355979,856 | 177,253 | J8 |
| 11521 | 9529637,210 | 356008,543 | 176,500 | J8 |
| 11522 | 9529622,759 | 356024,361 | 176,129 | J8 |
| 11523 | 9529564,192 | 354697,662 | 152,555 | J4 |
| 11524 | 9529892,336 | 354026,510 | 194,500 | J6 |
| 11525 | 9529497,936 | 354561,507 | 153,243 | J2 |
| 11526 | 9528941,637 | 356176,789 | 181,445 | J8 |
| 11527 | 9528607,479 | 356499,593 | 173,084 | J8 |
| 11528 | 9528658,470 | 356650,321 | 182,240 | M1 |

| CADERNETA DE CAMPO – GERAL | | | | |
|-----------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 11529 | 9528845,474 | 356711,116 | 177,310 | J8 |
| 11530 | 9529823,691 | 354104,154 | 179,687 | J4 |
| 11531 | 9529440,514 | 355998,568 | 178,750 | J1 |
| 11532 | 9529452,017 | 356172,672 | 173,717 | PO |
| 11533 | 9529377,900 | 356244,164 | 176,083 | PO |
| 11534 | 9529282,943 | 356332,719 | 176,776 | PO |
| 11535 | 9529102,380 | 356505,644 | 180,745 | PO |
| 11536 | 9529010,283 | 356593,328 | 181,870 | PO |

CADERNETA DE CAMPO-BARRAMENTO

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|--|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| EIXO BARRAMENTO | | | | |
| 6170 | 9529819.746 | 353907.450 | 204.558 | MARCO-E0 |
| 6171 | 9529811.947 | 353925.867 | 202.426 | E-01 |
| 6172 | 9529804.148 | 353944.283 | 198.747 | E-02 |
| 6173 | 9529796.349 | 353962.700 | 194.978 | E-03 |
| 6174 | 9529788.550 | 353981.117 | 191.110 | E-04 |
| 6175 | 9529780.751 | 353999.533 | 185.812 | E-05 |
| 6176 | 9529772.952 | 354017.950 | 181.591 | E-06 |
| 6177 | 9529765.153 | 354036.367 | 177.905 | E-07 |
| 6178 | 9529757.353 | 354054.784 | 174.535 | E-08 |
| 6179 | 9529749.554 | 354073.200 | 172.974 | E-09 |
| 6180 | 9529741.755 | 354091.617 | 171.876 | E-10 |
| 6181 | 9529733.956 | 354110.034 | 170.009 | E-11 |
| 6182 | 9529726.157 | 354128.450 | 168.949 | E-12 |
| 6183 | 9529718.358 | 354146.867 | 167.743 | E-13 |
| 6184 | 9529710.559 | 354165.284 | 166.788 | E-14 |
| 6185 | 9529702.760 | 354183.700 | 166.325 | E-15 |
| 6186 | 9529694.961 | 354202.117 | 165.741 | E-16 |
| 6187 | 9529687.162 | 354220.534 | 164.340 | E-17 |
| 6188 | 9529679.363 | 354238.950 | 164.448 | E-18 |
| 6189 | 9529671.564 | 354257.367 | 163.412 | E-19 |
| 6190 | 9529663.765 | 354275.784 | 162.168 | E-20 |
| 6191 | 9529655.966 | 354294.201 | 163.585 | E-21 |
| 6192 | 9529648.166 | 354312.617 | 164.061 | E-22 |
| 6193 | 9529640.367 | 354331.034 | 163.950 | E-23 |
| 6194 | 9529632.568 | 354349.451 | 162.250 | E-24 |
| 6195 | 9529624.769 | 354367.867 | 160.799 | E-25 |
| 6196 | 9529616.970 | 354386.284 | 159.997 | E-26 |
| 6197 | 9529609.171 | 354404.701 | 160.859 | E-27 |
| 6198 | 9529601.372 | 354423.117 | 160.690 | E-28 |
| 6224 | 9529593.573 | 354441.534 | 160.817 | E-29 |
| 6223 | 9529585.774 | 354459.951 | 160.321 | E-30 |
| 6222 | 9529577.975 | 354478.367 | 159.711 | E-31 |
| 6221 | 9529570.176 | 354496.784 | 158.902 | E-32 |
| 6220 | 9529562.377 | 354515.201 | 157.936 | E-33 |
| 6219 | 9529554.578 | 354533.618 | 156.926 | E-34 F4 |
| 6218 | 9529546.779 | 354552.034 | 155.864 | E-35 |
| 6217 | 9529538.980 | 354570.451 | 155.549 | E-36 |
| 6216 | 9529531.180 | 354588.868 | 154.843 | E-37 |
| 6215 | 9529523.381 | 354607.284 | 153.738 | E-38 |
| 6214 | 9529515.582 | 354625.701 | 153.873 | E-39 |
| 6212 | 9529507.783 | 354644.118 | 153.660 | E-40 |
| 6213 | 9529507.230 | 354644.365 | 153.450 | F3 |
| 6211 | 9529499.984 | 354662.534 | 150.989 | E-41 |
| 6210 | 9529492.185 | 354680.951 | 151.867 | E-42 |
| 6209 | 9529484.386 | 354699.368 | 153.840 | E-43 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6207 | 9529476.587 | 354717.784 | 157.365 | E-44 |
| 6206 | 9529468.788 | 354736.201 | 157.939 | E-45 |
| 6205 | 9529460.989 | 354754.618 | 159.488 | E-46 |
| 6204 | 9529453.190 | 354773.035 | 160.943 | E-47 |
| 6203 | 9529445.391 | 354791.451 | 162.376 | E-48 |
| 6202 | 9529437.592 | 354809.868 | 164.530 | E-49 |
| 6201 | 9529429.793 | 354828.285 | 167.515 | E-50 |
| 6200 | 9529421.994 | 354846.701 | 168.563 | E-51 |
| 6199 | 9529414.194 | 354865.118 | 167.919 | E-52 |
| 6168 | 9529412.044 | 354870.196 | 168.002 | MC-P6 |
| 6226 | 9529412.983 | 354884.651 | 165.670 | E-53 |
| 6227 | 9529414.279 | 354904.609 | 162.984 | E-54 |
| 6228 | 9529415.575 | 354924.567 | 160.928 | E-55 |
| 6229 | 9529416.871 | 354944.525 | 159.309 | E-56 |
| 6230 | 9529418.167 | 354964.483 | 157.900 | E-57 |
| 6231 | 9529417.876 | 354964.916 | 157.573 | F02 |
| 6232 | 9529419.463 | 354984.441 | 155.761 | E-58 |
| 6233 | 9529420.759 | 355004.399 | 153.306 | E-59 |
| 6234 | 9529422.055 | 355024.357 | 152.756 | E-60 |
| 6235 | 9529423.351 | 355044.315 | 152.586 | E-61 |
| 6236 | 9529424.647 | 355064.273 | 150.296 | E-62 F03 |
| 6237 | 9529425.943 | 355084.231 | 149.603 | E-63 |
| 6238 | 9529427.239 | 355104.189 | 151.056 | E-64 |
| 6239 | 9529428.535 | 355124.147 | 154.739 | E-65 F04 |
| 6240 | 9529429.831 | 355144.104 | 155.384 | E-66 |
| 6241 | 9529431.127 | 355164.062 | 156.485 | E-67 |
| 6242 | 9529432.423 | 355184.020 | 157.275 | E-68 |
| 6243 | 9529433.719 | 355203.978 | 158.409 | E-69 |
| 6244 | 9529435.015 | 355223.936 | 159.103 | E-70 F05 |
| 6245 | 9529436.311 | 355243.894 | 160.055 | E-71 |
| 6246 | 9529437.607 | 355263.852 | 160.109 | E-72 |
| 6247 | 9529438.903 | 355283.810 | 160.171 | E-73 |
| 6248 | 9529440.199 | 355303.768 | 159.832 | E-74 |
| 6249 | 9529441.495 | 355323.726 | 160.089 | E-75 |
| 6250 | 9529442.791 | 355343.684 | 160.442 | E-76 |
| 6251 | 9529444.087 | 355363.642 | 160.894 | E-77 |
| 6252 | 9529445.383 | 355383.600 | 159.201 | E-78 |
| 6253 | 9529446.679 | 355403.558 | 159.830 | E-79 |
| 6254 | 9529447.975 | 355423.516 | 161.972 | E-80 F06 |
| 6255 | 9529449.271 | 355443.474 | 164.103 | E-81 |
| 6256 | 9529450.567 | 355463.432 | 164.774 | E-82 |
| 6281 | 9529451.863 | 355483.390 | 166.353 | E-83 |
| 6280 | 9529453.159 | 355503.348 | 167.742 | E-84 |
| 6279 | 9529454.455 | 355523.306 | 169.725 | E-85 |
| 6278 | 9529455.751 | 355543.264 | 172.526 | E-86 |
| 6277 | 9529457.047 | 355563.222 | 173.971 | E-87 |
| 6276 | 9529458.343 | 355583.180 | 176.068 | E-88 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6275 | 9529459.639 | 355603.138 | 177.208 | E-89 |
| 6274 | 9529460.935 | 355623.096 | 177.739 | E-90 |
| 6273 | 9529462.231 | 355643.054 | 178.441 | E-91 |
| 6272 | 9529463.527 | 355663.012 | 179.108 | E-92 |
| 6271 | 9529464.823 | 355682.970 | 179.375 | E-93 |
| 6270 | 9529466.119 | 355702.928 | 179.660 | E-94 |
| 6269 | 9529467.415 | 355722.885 | 178.778 | E-95 |
| 6268 | 9529468.711 | 355742.843 | 177.588 | E-96 |
| 6267 | 9529470.007 | 355762.801 | 176.380 | E-97 |
| 6266 | 9529471.303 | 355782.759 | 174.589 | E-98 |
| 6265 | 9529472.599 | 355802.717 | 175.349 | E-99 |
| 6264 | 9529473.895 | 355822.675 | 176.942 | E-100 |
| 6263 | 9529475.191 | 355842.633 | 178.365 | E-101 |
| 6262 | 9529476.487 | 355862.591 | 179.300 | E-102 |
| 6261 | 9529477.783 | 355882.549 | 180.149 | E-103 |
| 6260 | 9529479.079 | 355902.507 | 180.985 | E-104 |
| 6259 | 9529480.375 | 355922.465 | 181.418 | E-105 |
| 6167 | 9529481.424 | 355938.614 | 181.497 | MC P7 |
| 6258 | 9529478.484 | 355941.049 | 181.253 | E-106 |
| 6282 | 9529463.083 | 355953.808 | 180.910 | E-107 |
| 6283 | 9529447.681 | 355966.568 | 180.668 | E-108 |
| 6284 | 9529432.280 | 355979.327 | 180.192 | E-109 |
| 6285 | 9529416.879 | 355992.086 | 180.288 | E-110 |
| 6286 | 9529401.477 | 356004.845 | 179.720 | E-111 |
| 6287 | 9529386.076 | 356017.604 | 178.867 | E-112 |
| 6288 | 9529370.674 | 356030.364 | 178.279 | E-113 |
| 6289 | 9529355.273 | 356043.123 | 177.535 | E-114 |
| 6290 | 9529339.872 | 356055.882 | 177.210 | E-115 |
| 6291 | 9529324.470 | 356068.641 | 177.275 | E-116 |
| 6292 | 9529309.069 | 356081.401 | 177.390 | E-117 |
| 6293 | 9529293.668 | 356094.160 | 177.700 | E-118 |
| 6294 | 9529278.266 | 356106.919 | 177.353 | E-119 |
| 6295 | 9529262.865 | 356119.678 | 178.179 | E-120 |
| 6296 | 9529247.464 | 356132.438 | 178.973 | E-121 |
| 6297 | 9529232.062 | 356145.197 | 180.033 | E-122 |
| 6298 | 9529216.661 | 356157.956 | 180.653 | E-123 |
| 6299 | 9529201.260 | 356170.715 | 181.474 | E-124 |
| 6300 | 9529185.858 | 356183.475 | 182.091 | E-125 |
| 6301 | 9529170.457 | 356196.234 | 182.473 | E-126 |
| 6302 | 9529155.056 | 356208.993 | 182.415 | E-127 |
| 6303 | 9529139.654 | 356221.752 | 182.179 | E-128 |
| 6304 | 9529124.253 | 356234.512 | 181.805 | E-129 |
| 6305 | 9529108.851 | 356247.271 | 181.506 | E-130 |
| 6306 | 9529093.450 | 356260.030 | 181.237 | E-131 |
| 335 | 9529078.049 | 356272.789 | 181.805 | E-132 |
| 6307 | 9529062.647 | 356285.549 | 182.648 | E-133 |
| 6308 | 9529047.246 | 356298.308 | 183.081 | E-134 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6309 | 9529031.845 | 356311.067 | 183.493 | E-135 |
| 6310 | 9529016.443 | 356323.826 | 184.640 | E-136 |
| 6311 | 9529001.042 | 356336.586 | 184.584 | E-137 |
| 6312 | 9528985.641 | 356349.345 | 185.477 | E-138 |
| 6313 | 9528970.239 | 356362.104 | 185.993 | E-139 |
| 6314 | 9528954.838 | 356374.863 | 185.829 | E-140 |
| 6315 | 9528939.437 | 356387.623 | 186.173 | E-141 |
| 6316 | 9528924.035 | 356400.382 | 185.672 | E-142 |
| 6317 | 9528908.634 | 356413.141 | 185.043 | E-143 |
| 6318 | 9528893.232 | 356425.900 | 184.707 | E-144 |
| 6319 | 9528877.831 | 356438.660 | 184.437 | E-145 |
| 6320 | 9528862.430 | 356451.419 | 183.912 | E-146 |
| 6169 | 9528859.459 | 356453.880 | 184.152 | MC P8 |
| 6321 | 9528848.743 | 356465.952 | 183.617 | E-147 |
| 6322 | 9528835.466 | 356480.910 | 183.212 | E-148 |
| 6323 | 9528822.189 | 356495.867 | 182.741 | E-149 |
| 6324 | 9528808.912 | 356510.824 | 182.391 | E-150 |
| 6325 | 9528795.635 | 356525.782 | 182.167 | E-151 |
| 6326 | 9528782.359 | 356540.739 | 182.041 | E-152 |
| 6327 | 9528769.082 | 356555.697 | 181.989 | E-153 |
| 6328 | 9528755.805 | 356570.654 | 181.817 | E-154 |
| 6329 | 9528742.528 | 356585.611 | 181.677 | E-155 |
| 6330 | 9528729.251 | 356600.569 | 181.824 | E-156 |
| 6331 | 9528715.974 | 356615.526 | 182.211 | E-157 |
| 6332 | 9528702.697 | 356630.484 | 182.659 | E-158 |
| 6333 | 9528689.420 | 356645.441 | 182.634 | E-159 |
| 6334 | 9528676.143 | 356660.398 | 182.474 | E-160 |
| 6335 | 9528662.866 | 356675.356 | 182.433 | E-161 |
| 6336 | 9528649.589 | 356690.313 | 182.336 | E-162 |
| 6337 | 9528636.313 | 356705.271 | 182.274 | E-163 |
| 6338 | 9528623.036 | 356720.228 | 182.235 | E-164 |
| 6339 | 9528609.759 | 356735.185 | 182.119 | E-165 |
| 6340 | 9528596.482 | 356750.143 | 182.443 | E-166 |
| 6366 | 9528583.205 | 356765.100 | 182.321 | E-167 |
| 6365 | 9528569.928 | 356780.058 | 182.241 | E-168 |
| 6364 | 9528556.651 | 356795.015 | 182.300 | E-169 |
| 6363 | 9528543.374 | 356809.972 | 182.430 | E-170 |
| 6362 | 9528530.097 | 356824.930 | 182.541 | E-171 |
| 6361 | 9528516.820 | 356839.887 | 182.706 | E-172 |
| 6360 | 9528503.544 | 356854.844 | 182.846 | E-173 |
| 6359 | 9528490.267 | 356869.802 | 183.132 | E-174 |
| 6358 | 9528476.990 | 356884.759 | 183.310 | E-175 |
| 6357 | 9528463.713 | 356899.717 | 183.492 | E-176 |
| 6356 | 9528450.436 | 356914.674 | 183.679 | E-177 |
| 6355 | 9528437.159 | 356929.631 | 183.972 | E-178 |
| 6354 | 9528423.882 | 356944.589 | 184.214 | E-179 |
| 6353 | 9528410.605 | 356959.546 | 184.660 | E-180 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6352 | 9528397.328 | 356974.504 | 184.790 | E-181 |
| 6351 | 9528384.051 | 356989.461 | 185.090 | E-182 |
| 6350 | 9528370.774 | 357004.418 | 185.330 | E-183 |
| 6349 | 9528357.412 | 357019.472 | 185.560 | E-184 |
| 6348 | 9528344.221 | 357034.333 | 185.990 | E-185 |
| 6347 | 9528330.944 | 357049.291 | 186.550 | E-186 |
| 6346 | 9528317.667 | 357064.248 | 186.820 | E-187 |
| 6345 | 9528304.390 | 357079.205 | 187.040 | E-188 |
| 6344 | 9528291.113 | 357094.163 | 188.060 | E-189 |
| 6343 | 9528277.836 | 357109.120 | 188.740 | E-190 |
| 6342 | 9528264.559 | 357124.078 | 189.740 | E-191 |
| 6341 | 9528251.282 | 357139.035 | 190.230 | E-192 |
| 6166 | 9528238.657 | 357153.258 | 190.811 | E192+19.04 |
| SECÇÕES TRANSVERSAIS – MUTANTE | | | | |
| | 9529274.680 | 355232.124 | 158.824 | M8 |
| 10 | 9529276.139 | 355211.469 | 157.886 | M8 |
| 216 | 9529328.001 | 354901.537 | 161.410 | M4 |
| 217 | 9529300.717 | 354903.817 | 162.033 | M5 |
| 317 | 9529368.193 | 354765.887 | 167.765 | M8 |
| 319 | 9528233.750 | 357128.817 | 188.684 | M1 |
| 320 | 9528218.781 | 357115.437 | 187.793 | M2 |
| 321 | 9528203.932 | 357102.399 | 187.690 | M3 |
| 322 | 9528188.723 | 357089.157 | 187.418 | M4 |
| 323 | 9528173.815 | 357075.975 | 186.413 | M5 |
| 324 | 9528158.840 | 357062.744 | 184.741 | M6 |
| 325 | 9528143.048 | 357048.855 | 182.570 | M7 |
| 326 | 9528129.951 | 357036.666 | 181.618 | M8 |
| 327 | 9528119.249 | 357047.198 | 181.952 | M8 |
| 328 | 9528134.134 | 357060.423 | 183.443 | M7 |
| 329 | 9528149.093 | 357073.768 | 184.682 | M6 |
| 330 | 9528163.918 | 357086.915 | 186.635 | M5 |
| 331 | 9528178.829 | 357100.145 | 188.115 | M4 |
| 332 | 9528193.820 | 357113.470 | 189.180 | M3 |
| 333 | 9528208.812 | 357126.766 | 189.293 | M2 |
| 334 | 9528223.747 | 357140.058 | 189.826 | M1 |
| 340 | 9529432.477 | 354770.906 | 161.763 | M1 |
| 349 | 9528247.128 | 357113.925 | 186.994 | M1 |
| 350 | 9528232.134 | 357100.568 | 185.713 | M2 |
| 351 | 9528217.153 | 357087.254 | 186.333 | M3 |
| 352 | 9528202.127 | 357074.047 | 186.020 | M4 |
| 353 | 9528187.136 | 357060.762 | 185.237 | M5 |
| 354 | 9528172.333 | 357047.487 | 183.559 | M6 |
| 355 | 9528157.333 | 357034.141 | 182.077 | M7 |
| 356 | 9528142.345 | 357020.884 | 180.716 | M8 |
| 357 | 9528155.893 | 357006.365 | 179.847 | M8 |
| 358 | 9528170.866 | 357019.488 | 180.982 | M7 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 359 | 9528185.728 | 357032.810 | 182.156 | M6 |
| 360 | 9528200.570 | 357045.984 | 183.520 | M5 |
| 361 | 9528215.470 | 357059.200 | 184.027 | M4 |
| 362 | 9528230.367 | 357072.510 | 184.129 | M3 |
| 363 | 9528245.326 | 357085.714 | 185.087 | M2 |
| 364 | 9528260.222 | 357098.913 | 186.898 | M1 |
| 385 | 9528273.631 | 357083.818 | 186.029 | M1 |
| 386 | 9528258.823 | 357070.593 | 184.476 | M2 |
| 387 | 9528243.929 | 357057.448 | 183.296 | M3 |
| 388 | 9528229.004 | 357044.162 | 182.706 | M4 |
| 534 | 9528662.562 | 356445.500 | 177.325 | M8 |
| 541 | 9529533.181 | 354532.520 | 153.561 | M1 |
| 566 | 9529440.382 | 354450.073 | 151.103 | PC |
| 595 | 9529452.533 | 354411.823 | 155.133 | M8 |
| 624 | 9528665.004 | 356522.921 | 174.886 | M5 |
| 934 | 9528286.773 | 357068.978 | 185.306 | M1 |
| 935 | 9528271.860 | 357055.826 | 183.884 | M2 |
| 936 | 9528256.888 | 357042.540 | 182.724 | M3 |
| 937 | 9528241.966 | 357029.257 | 182.015 | M4 |
| 938 | 9528226.986 | 357015.916 | 181.280 | M5 |
| 939 | 9528212.081 | 357002.668 | 180.984 | M6 |
| 940 | 9528197.112 | 356989.501 | 179.998 | M7 |
| 941 | 9528182.267 | 356976.198 | 179.089 | M8 |
| 942 | 9528194.882 | 356961.021 | 178.870 | M8 |
| 943 | 9528210.261 | 356974.456 | 179.643 | M7 |
| 944 | 9528225.289 | 356987.598 | 180.318 | M6 |
| 945 | 9528240.355 | 357000.784 | 180.676 | M5 |
| 946 | 9528255.286 | 357014.182 | 181.743 | M4 |
| 947 | 9528270.258 | 357027.306 | 183.005 | M3 |
| 948 | 9528285.095 | 357040.783 | 184.009 | M2 |
| 949 | 9528299.983 | 357053.976 | 185.356 | M1 |
| 962 | 9528313.231 | 357039.052 | 184.838 | M1 |
| 963 | 9528298.218 | 357025.782 | 184.121 | M2 |
| 964 | 9528283.323 | 357012.387 | 183.098 | M3 |
| 965 | 9528268.354 | 356999.056 | 182.191 | M4 |
| 966 | 9528253.506 | 356985.785 | 181.183 | M5 |
| 967 | 9528238.481 | 356972.374 | 179.975 | M6 |
| 968 | 9528223.475 | 356958.947 | 179.466 | M7 |
| 969 | 9528208.226 | 356945.744 | 178.784 | M8 |
| 970 | 9528221.774 | 356931.057 | 178.733 | M8 |
| 971 | 9528236.472 | 356944.506 | 179.318 | M7 |
| 972 | 9528251.436 | 356958.019 | 180.120 | M6 |
| 973 | 9528266.716 | 356970.965 | 181.466 | M5 |
| 974 | 9528281.906 | 356984.060 | 182.765 | M4 |
| 975 | 9528296.789 | 356997.391 | 183.533 | M3 |
| 976 | 9528311.705 | 357010.726 | 184.035 | M2 |
| 977 | 9528326.607 | 357024.064 | 184.723 | M1 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 990 | 9528339.830 | 357009.148 | 184.461 | M1 |
| 991 | 9528325.064 | 356995.662 | 183.870 | M2 |
| 992 | 9528309.966 | 356982.527 | 183.349 | M3 |
| 993 | 9528295.236 | 356969.044 | 182.656 | M4 |
| 994 | 9528280.171 | 356955.570 | 181.807 | M5 |
| 995 | 9528265.069 | 356942.466 | 180.673 | M6 |
| 996 | 9528250.336 | 356928.852 | 179.504 | M7 |
| 997 | 9528235.160 | 356915.714 | 179.097 | M8 |
| 998 | 9528248.482 | 356900.951 | 179.502 | M8 |
| 999 | 9528263.234 | 356914.547 | 179.746 | M7 |
| 1000 | 9528278.209 | 356927.834 | 180.789 | M6 |
| 1001 | 9528293.260 | 356941.040 | 181.576 | M5 |
| 1002 | 9528308.101 | 356954.367 | 182.562 | M4 |
| 1003 | 9528323.152 | 356967.629 | 183.246 | M3 |
| 1004 | 9528338.165 | 356980.919 | 183.770 | M2 |
| 1005 | 9528353.035 | 356994.236 | 184.348 | M1 |
| 1018 | 9528366.451 | 356979.397 | 184.302 | M1 |
| 1019 | 9528351.382 | 356965.961 | 183.706 | M2 |
| 1020 | 9528336.509 | 356952.595 | 183.104 | M3 |
| 1021 | 9528321.509 | 356939.360 | 182.418 | M4 |
| 1022 | 9528306.181 | 356926.644 | 181.553 | M5 |
| 1023 | 9528290.903 | 356913.831 | 180.742 | M6 |
| 1024 | 9528275.720 | 356900.714 | 180.159 | M7 |
| 1025 | 9528260.476 | 356887.517 | 179.655 | M8 |
| 1026 | 9528274.604 | 356871.607 | 180.219 | M8 |
| 1027 | 9528289.655 | 356884.855 | 180.670 | M7 |
| 1028 | 9528304.766 | 356898.189 | 181.295 | M6 |
| 1029 | 9528319.698 | 356911.493 | 181.736 | M5 |
| 1030 | 9528334.665 | 356924.661 | 182.338 | M4 |
| 1031 | 9528349.749 | 356937.866 | 183.095 | M3 |
| 1032 | 9528364.745 | 356951.117 | 183.631 | M2 |
| 1033 | 9528379.770 | 356964.380 | 184.092 | M1 |
| 1047 | 9528393.186 | 356949.478 | 183.849 | M1 |
| 1048 | 9528378.240 | 356936.140 | 183.600 | M2 |
| 1049 | 9528363.138 | 356922.870 | 183.155 | M3 |
| 1050 | 9528348.101 | 356909.655 | 182.560 | M4 |
| 1051 | 9528332.894 | 356896.559 | 181.911 | M5 |
| 1052 | 9528317.938 | 356883.221 | 181.530 | M6 |
| 1053 | 9528302.776 | 356870.088 | 181.227 | M7 |
| 1054 | 9528287.764 | 356857.099 | 180.791 | M8 |
| 1055 | 9528301.334 | 356841.188 | 181.609 | M8 |
| 1056 | 9528316.507 | 356854.725 | 181.866 | M7 |
| 1057 | 9528331.520 | 356868.003 | 182.145 | M6 |
| 1058 | 9528346.489 | 356881.234 | 182.575 | M5 |
| 1059 | 9528361.455 | 356894.491 | 183.077 | M4 |
| 1060 | 9528376.317 | 356907.675 | 183.658 | M3 |
| 1061 | 9528391.399 | 356921.011 | 183.852 | M2 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1062 | 9528406.306 | 356934.436 | 183.728 | M1 |
| 1077 | 9528419.655 | 356919.505 | 183.482 | M1 |
| 1078 | 9528404.721 | 356906.337 | 183.917 | M2 |
| 1079 | 9528389.666 | 356893.218 | 184.061 | M3 |
| 1080 | 9528374.660 | 356880.010 | 184.147 | M4 |
| 1081 | 9528359.579 | 356866.768 | 183.399 | M5 |
| 1082 | 9528344.572 | 356853.643 | 182.712 | M6 |
| 1083 | 9528329.406 | 356840.446 | 182.422 | M7 |
| 1084 | 9528314.496 | 356826.626 | 182.053 | M8 |
| 1085 | 9528343.474 | 356824.634 | 183.008 | M7 |
| 1086 | 9528358.531 | 356837.921 | 183.469 | M6 |
| 1087 | 9528373.398 | 356851.175 | 184.091 | M5 |
| 1088 | 9528388.318 | 356864.564 | 184.634 | M4 |
| 1089 | 9528403.175 | 356878.050 | 184.411 | M3 |
| 1090 | 9528417.955 | 356891.393 | 183.788 | M2 |
| 1091 | 9528432.931 | 356904.616 | 183.386 | M1 |
| 1106 | 9528446.446 | 356889.602 | 183.159 | M1 |
| 1107 | 9528431.602 | 356876.423 | 183.757 | M2 |
| 1108 | 9528416.687 | 356863.225 | 184.192 | M3 |
| 1109 | 9528401.684 | 356850.111 | 184.577 | M4 |
| 1110 | 9528386.508 | 356836.704 | 184.377 | M5 |
| 1111 | 9528371.578 | 356823.442 | 184.199 | M6 |
| 1112 | 9528356.168 | 356810.717 | 183.856 | M7 |
| 1113 | 9528341.044 | 356797.902 | 183.231 | M8 |
| 1114 | 9528355.103 | 356781.165 | 184.124 | M8 |
| 1115 | 9528369.767 | 356794.826 | 184.652 | M7 |
| 1116 | 9528384.724 | 356808.070 | 184.840 | M6 |
| 1117 | 9528399.463 | 356821.716 | 184.802 | M5 |
| 1118 | 9528414.343 | 356834.974 | 184.359 | M4 |
| 1119 | 9528429.445 | 356848.245 | 183.978 | M3 |
| 1120 | 9528444.442 | 356861.459 | 183.470 | M2 |
| 1121 | 9528459.537 | 356874.699 | 182.992 | M1 |
| 1136 | 9528472.814 | 356859.674 | 182.933 | M1 |
| 1137 | 9528458.133 | 356846.483 | 183.548 | M2 |
| 1138 | 9528442.911 | 356833.167 | 183.924 | M3 |
| 1139 | 9528427.979 | 356819.850 | 184.505 | M4 |
| 1140 | 9528413.060 | 356806.309 | 185.244 | M5 |
| 1141 | 9528398.123 | 356792.724 | 185.449 | M6 |
| 1142 | 9528382.924 | 356779.500 | 185.520 | M7 |
| 1143 | 9528370.480 | 356767.872 | 184.549 | M8 |
| 1144 | 9528395.814 | 356765.191 | 185.503 | M7 |
| 1145 | 9528410.945 | 356778.489 | 185.725 | M6 |
| 1146 | 9528425.957 | 356791.639 | 185.239 | M5 |
| 1147 | 9528441.052 | 356804.767 | 184.512 | M4 |
| 1148 | 9528456.086 | 356818.294 | 183.824 | M3 |
| 1149 | 9528471.095 | 356831.520 | 183.431 | M2 |
| 1150 | 9528485.974 | 356844.680 | 182.883 | M1 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1167 | 9528499.921 | 356829.122 | 182.615 | M1 |
| 1168 | 9528485.096 | 356815.771 | 183.266 | M2 |
| 1169 | 9528470.164 | 356802.676 | 183.866 | M3 |
| 1170 | 9528455.167 | 356789.378 | 184.773 | M4 |
| 1171 | 9528440.298 | 356776.351 | 185.501 | M5 |
| 1172 | 9528425.575 | 356763.005 | 186.149 | M6 |
| 1173 | 9528410.008 | 356750.794 | 185.995 | M7 |
| 1174 | 9528394.641 | 356737.299 | 185.074 | M8 |
| 1175 | 9528422.557 | 356735.640 | 186.595 | M7 |
| 1176 | 9528437.607 | 356748.702 | 186.477 | M6 |
| 1177 | 9528452.708 | 356761.806 | 185.931 | M5 |
| 1178 | 9528467.588 | 356774.880 | 185.081 | M4 |
| 1179 | 9528482.486 | 356788.169 | 184.160 | M3 |
| 1180 | 9528497.458 | 356801.394 | 183.400 | M2 |
| 1181 | 9528512.525 | 356814.848 | 182.540 | M1 |
| 1198 | 9528525.776 | 356800.047 | 182.348 | M1 |
| 1199 | 9528511.041 | 356787.028 | 183.315 | M2 |
| 1200 | 9528495.952 | 356773.886 | 184.223 | M3 |
| 1201 | 9528481.053 | 356760.722 | 184.853 | M4 |
| 1202 | 9528466.144 | 356747.603 | 186.001 | M5 |
| 1203 | 9528451.317 | 356734.907 | 186.541 | M6 |
| 1204 | 9528436.085 | 356721.698 | 186.339 | M7 |
| 1205 | 9528460.297 | 356722.480 | 185.619 | M6 |
| 1206 | 9528477.285 | 356733.859 | 185.852 | M5 |
| 1207 | 9528493.304 | 356746.109 | 184.593 | M4 |
| 1208 | 9528509.047 | 356758.160 | 184.688 | M3 |
| 1209 | 9528524.171 | 356771.524 | 182.991 | M2 |
| 1210 | 9528539.030 | 356784.957 | 182.163 | M1 |
| 1227 | 9528552.383 | 356769.963 | 182.340 | M1 |
| 1228 | 9528537.336 | 356756.646 | 182.778 | M2 |
| 1229 | 9528522.431 | 356743.404 | 183.512 | M3 |
| 1230 | 9528507.498 | 356730.195 | 183.774 | M4 |
| 1231 | 9528492.533 | 356716.988 | 183.393 | M5 |
| 1232 | 9528477.599 | 356703.653 | 183.138 | M6 |
| 1233 | 9528462.824 | 356690.784 | 182.642 | M7 |
| 1234 | 9528475.277 | 356675.715 | 180.837 | M7 |
| 1235 | 9528490.385 | 356689.032 | 181.328 | M6 |
| 1236 | 9528505.518 | 356702.066 | 181.974 | M5 |
| 1237 | 9528520.682 | 356715.236 | 183.168 | M4 |
| 1238 | 9528535.687 | 356728.479 | 182.931 | M3 |
| 1239 | 9528550.709 | 356741.682 | 182.624 | M2 |
| 1240 | 9528565.732 | 356754.929 | 182.031 | M1 |
| 1256 | 9528578.859 | 356739.954 | 182.105 | M1 |
| 1257 | 9528563.908 | 356726.798 | 182.328 | M2 |
| 1258 | 9528548.870 | 356713.508 | 182.156 | M3 |
| 1259 | 9528533.777 | 356700.329 | 181.300 | M4 |
| 1260 | 9528518.768 | 356687.107 | 180.330 | M5 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1261 | 9528503.457 | 356674.144 | 179.548 | M6 |
| 1262 | 9528488.505 | 356661.042 | 179.142 | M7 |
| 1263 | 9528502.174 | 356645.309 | 177.252 | M7 |
| 1264 | 9528517.154 | 356658.775 | 177.778 | M6 |
| 1265 | 9528532.189 | 356672.060 | 179.033 | M5 |
| 1266 | 9528547.150 | 356685.340 | 180.696 | M4 |
| 1267 | 9528562.264 | 356698.594 | 181.615 | M3 |
| 1268 | 9528577.090 | 356711.916 | 182.190 | M2 |
| 1269 | 9528592.113 | 356725.146 | 182.041 | M1 |
| 1286 | 9529364.841 | 355907.410 | 176.224 | M5 |
| 1287 | 9529390.289 | 355937.986 | 177.880 | M3 |
| 1288 | 9529402.442 | 355952.747 | 178.890 | M2 |
| 1289 | 9529415.011 | 355967.556 | 179.527 | M1 |
| 1305 | 9529430.440 | 355955.083 | 180.079 | M1 |
| 1306 | 9529417.613 | 355939.492 | 179.539 | M2 |
| 1307 | 9529404.826 | 355924.246 | 178.165 | M3 |
| 1308 | 9529391.897 | 355909.041 | 177.028 | M4 |
| 1309 | 9529378.762 | 355893.548 | 176.363 | M5 |
| 1310 | 9529365.642 | 355878.094 | 175.545 | M6 |
| 1311 | 9529352.538 | 355862.913 | 174.834 | M7 |
| 1312 | 9529339.225 | 355847.654 | 173.712 | M8 |
| 1313 | 9529356.695 | 355834.855 | 174.675 | M8 |
| 1314 | 9529369.911 | 355850.913 | 175.252 | M7 |
| 1315 | 9529382.443 | 355865.908 | 176.080 | M6 |
| 1316 | 9529395.132 | 355881.406 | 176.638 | M5 |
| 1317 | 9529407.843 | 355896.368 | 177.579 | M4 |
| 1318 | 9529420.450 | 355911.655 | 178.664 | M3 |
| 1319 | 9529433.117 | 355926.958 | 179.602 | M2 |
| 1320 | 9529445.745 | 355942.156 | 180.358 | M1 |
| 1338 | 9529458.602 | 355897.638 | 179.565 | M1 |
| 1339 | 9529440.897 | 355905.173 | 179.467 | M3 |
| 1340 | 9529428.207 | 355889.842 | 178.212 | M4 |
| 1374 | 9529415.423 | 355843.032 | 175.871 | M3 |
| 1375 | 9529435.179 | 355841.406 | 176.161 | M2 |
| 1376 | 9529455.086 | 355840.333 | 176.560 | M1 |
| 1393 | 9529453.749 | 355820.334 | 175.283 | M1 |
| 1394 | 9529433.745 | 355821.710 | 175.220 | M2 |
| 1395 | 9529413.849 | 355823.220 | 175.229 | M3 |
| 1396 | 9529394.124 | 355824.291 | 175.174 | M4 |
| 1397 | 9529374.355 | 355826.430 | 174.970 | M5 |
| 1398 | 9529354.448 | 355827.526 | 174.326 | M6 |
| 1399 | 9529334.704 | 355828.347 | 173.371 | M7 |
| 1400 | 9529313.726 | 355812.301 | 171.866 | M8 |
| 1401 | 9529333.232 | 355809.141 | 172.731 | M7 |
| 1402 | 9529353.144 | 355807.149 | 173.489 | M6 |
| 1403 | 9529373.081 | 355806.425 | 173.929 | M5 |
| 1404 | 9529392.890 | 355804.339 | 174.408 | M4 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1405 | 9529412.809 | 355803.032 | 174.490 | M3 |
| 1406 | 9529432.393 | 355802.174 | 173.602 | M2 |
| 1407 | 9529452.366 | 355800.660 | 174.223 | M1 |
| 1424 | 9529451.048 | 355780.565 | 173.891 | M1 |
| 1425 | 9529431.195 | 355781.811 | 172.831 | M2 |
| 1426 | 9529411.107 | 355783.097 | 173.066 | M3 |
| 1427 | 9529391.122 | 355784.924 | 173.389 | M4 |
| 1428 | 9529371.390 | 355786.480 | 173.025 | M5 |
| 1429 | 9529351.482 | 355788.201 | 172.617 | M6 |
| 1430 | 9529331.463 | 355789.725 | 171.872 | M7 |
| 1431 | 9529311.413 | 355791.079 | 171.126 | M8 |
| 1433 | 9529315.160 | 355773.238 | 170.940 | M8 |
| 1434 | 9529330.607 | 355772.166 | 171.374 | M7 |
| 1435 | 9529350.186 | 355770.086 | 171.561 | M6 |
| 1436 | 9529370.695 | 355767.522 | 171.978 | M5 |
| 1437 | 9529390.972 | 355764.920 | 171.985 | M4 |
| 1438 | 9529411.496 | 355762.916 | 172.933 | M3 |
| 1439 | 9529430.846 | 355761.925 | 174.259 | M2 |
| 1440 | 9529449.911 | 355760.424 | 175.243 | M1 |
| 1457 | 9529448.553 | 355740.496 | 175.897 | M1 |
| 1458 | 9529430.584 | 355741.171 | 174.593 | M2 |
| 1459 | 9529411.151 | 355742.320 | 173.569 | M3 |
| 1460 | 9529392.076 | 355743.922 | 172.056 | M4 |
| 1461 | 9529374.779 | 355744.811 | 171.512 | M5 |
| 1462 | 9529357.122 | 355746.251 | 171.188 | M6 |
| 1463 | 9529338.848 | 355747.219 | 170.407 | M7 |
| 1464 | 9529321.356 | 355749.382 | 170.430 | M8 |
| 1465 | 9529310.522 | 355730.477 | 169.942 | M8 |
| 1466 | 9529329.204 | 355729.594 | 170.892 | M7 |
| 1467 | 9529348.741 | 355727.670 | 171.737 | M6 |
| 1468 | 9529368.430 | 355725.832 | 172.406 | M5 |
| 1469 | 9529389.117 | 355725.017 | 172.812 | M4 |
| 1470 | 9529410.032 | 355723.342 | 173.831 | M3 |
| 1471 | 9529429.023 | 355721.686 | 175.350 | M2 |
| 1472 | 9529447.294 | 355720.673 | 176.870 | M1 |
| 1489 | 9529446.057 | 355700.614 | 177.277 | M1 |
| 1490 | 9529426.696 | 355701.918 | 175.540 | M2 |
| 1491 | 9529408.081 | 355703.089 | 174.759 | M3 |
| 1492 | 9529391.091 | 355703.972 | 173.999 | M4 |
| 1493 | 9529373.321 | 355705.069 | 173.451 | M5 |
| 1494 | 9529355.131 | 355705.883 | 172.661 | M6 |
| 1495 | 9529336.717 | 355706.940 | 172.047 | M7 |
| 1496 | 9529318.742 | 355707.775 | 171.243 | M8 |
| 1497 | 9529311.800 | 355689.468 | 171.201 | M8 |
| 1498 | 9529330.796 | 355687.408 | 172.192 | M7 |
| 1499 | 9529348.986 | 355686.533 | 173.050 | M6 |
| 1500 | 9529369.429 | 355685.170 | 174.013 | M5 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1501 | 9529387.602 | 355684.077 | 174.932 | M4 |
| 1502 | 9529407.340 | 355682.945 | 175.479 | M3 |
| 1503 | 9529426.048 | 355681.743 | 176.433 | M2 |
| 1504 | 9529444.756 | 355680.453 | 177.706 | M1 |
| 1521 | 9529443.615 | 355660.723 | 177.358 | M1 |
| 1522 | 9529424.232 | 355662.211 | 176.373 | M2 |
| 1523 | 9529405.282 | 355663.046 | 175.543 | M3 |
| 1524 | 9529385.228 | 355664.404 | 174.949 | M4 |
| 1525 | 9529365.447 | 355666.071 | 173.894 | M5 |
| 1526 | 9529349.645 | 355667.417 | 173.271 | M6 |
| 1527 | 9529329.319 | 355668.632 | 172.263 | M7 |
| 1528 | 9529309.512 | 355669.835 | 171.204 | M8 |
| 1530 | 9529311.683 | 355649.930 | 171.269 | M8 |
| 1531 | 9529330.758 | 355648.674 | 171.993 | M7 |
| 1532 | 9529350.438 | 355646.990 | 172.808 | M6 |
| 1533 | 9529370.578 | 355645.753 | 173.664 | M5 |
| 1534 | 9529391.060 | 355644.542 | 174.517 | M4 |
| 1535 | 9529412.154 | 355642.975 | 175.295 | M3 |
| 1536 | 9529442.196 | 355640.849 | 176.770 | M1 |
| 1552 | 9529440.777 | 355620.380 | 176.104 | M1 |
| 1553 | 9529423.054 | 355620.881 | 175.616 | M2 |
| 1554 | 9529407.182 | 355621.798 | 173.979 | M3 |
| 1555 | 9529389.727 | 355622.627 | 173.525 | M4 |
| 1556 | 9529372.798 | 355623.468 | 172.987 | M5 |
| 1557 | 9529354.755 | 355624.325 | 172.504 | M6 |
| 1558 | 9529337.064 | 355625.150 | 171.712 | M7 |
| 1559 | 9529317.585 | 355626.211 | 171.140 | M8 |
| 1560 | 9529335.124 | 355607.716 | 170.728 | M7 |
| 1561 | 9529352.393 | 355606.169 | 171.312 | M6 |
| 1562 | 9529369.746 | 355605.340 | 171.897 | M5 |
| 1563 | 9529388.762 | 355604.118 | 172.068 | M4 |
| 1564 | 9529405.974 | 355603.043 | 173.007 | M3 |
| 1565 | 9529422.727 | 355601.918 | 174.665 | M2 |
| 1566 | 9529439.551 | 355600.849 | 175.243 | M1 |
| 1584 | 9529438.428 | 355580.943 | 174.000 | M1 |
| 1585 | 9529421.655 | 355582.107 | 173.640 | M2 |
| 1586 | 9529404.787 | 355583.051 | 172.802 | M3 |
| 1587 | 9529388.765 | 355584.457 | 171.065 | M4 |
| 1588 | 9529373.121 | 355585.350 | 169.951 | M5 |
| 1589 | 9529355.258 | 355586.195 | 170.445 | M6 |
| 1590 | 9529337.309 | 355587.100 | 169.863 | M7 |
| 1591 | 9529327.818 | 355567.977 | 168.586 | M7 |
| 1592 | 9529345.735 | 355566.594 | 169.067 | M6 |
| 1593 | 9529364.563 | 355565.441 | 168.607 | M5 |
| 1594 | 9529383.057 | 355564.610 | 169.773 | M4 |
| 1595 | 9529401.810 | 355563.149 | 170.646 | M3 |
| 1596 | 9529419.387 | 355562.217 | 171.851 | M2 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1597 | 9529436.991 | 355561.104 | 172.251 | M1 |
| 1614 | 9529435.717 | 355541.189 | 170.766 | M1 |
| 1615 | 9529418.212 | 355542.399 | 170.381 | M2 |
| 1616 | 9529399.940 | 355543.430 | 169.724 | M3 |
| 1617 | 9529381.509 | 355544.726 | 169.078 | M4 |
| 1618 | 9529364.491 | 355545.643 | 167.552 | M5 |
| 1619 | 9529346.089 | 355546.500 | 167.593 | M6 |
| 1620 | 9529327.765 | 355547.653 | 167.505 | M7 |
| 1621 | 9529309.909 | 355548.991 | 167.123 | M8 |
| 1622 | 9529309.670 | 355529.506 | 166.255 | M8 |
| 1623 | 9529327.590 | 355528.689 | 165.626 | M7 |
| 1624 | 9529347.075 | 355527.057 | 165.634 | M6 |
| 1625 | 9529363.675 | 355525.133 | 167.495 | M5 |
| 1626 | 9529381.228 | 355524.396 | 168.400 | M4 |
| 1627 | 9529399.311 | 355523.253 | 169.028 | M3 |
| 1628 | 9529416.905 | 355523.197 | 169.538 | M2 |
| 1629 | 9529434.292 | 355521.192 | 169.541 | M1 |
| 1646 | 9529433.302 | 355501.420 | 168.139 | M1 |
| 1647 | 9529412.355 | 355502.506 | 168.857 | M2 |
| 1648 | 9529391.817 | 355504.317 | 168.248 | M3 |
| 1649 | 9529371.023 | 355505.116 | 166.787 | M4 |
| 1650 | 9529350.570 | 355507.308 | 165.046 | M5 |
| 1651 | 9529328.207 | 355508.985 | 165.616 | M6 |
| 1652 | 9529307.109 | 355510.714 | 165.795 | M7 |
| 1653 | 9529300.886 | 355490.408 | 167.007 | M8 |
| 1654 | 9529318.650 | 355488.913 | 166.709 | M7 |
| 1655 | 9529337.922 | 355488.123 | 166.263 | M6 |
| 1656 | 9529356.014 | 355486.809 | 164.557 | M5 |
| 1657 | 9529375.227 | 355485.400 | 165.740 | M4 |
| 1658 | 9529394.382 | 355484.212 | 167.580 | M3 |
| 1659 | 9529412.731 | 355482.919 | 167.775 | M2 |
| 1660 | 9529431.761 | 355481.626 | 166.381 | M1 |
| 1677 | 9529430.680 | 355461.540 | 164.796 | M1 |
| 1678 | 9529416.159 | 355462.286 | 165.685 | M2 |
| 1679 | 9529400.763 | 355463.611 | 166.157 | M3 |
| 1680 | 9529384.914 | 355464.582 | 165.782 | M4 |
| 1681 | 9529369.642 | 355465.740 | 164.519 | M5 |
| 1682 | 9529353.614 | 355466.293 | 165.322 | M6 |
| 1683 | 9529334.173 | 355467.416 | 166.717 | M7 |
| 1684 | 9529312.359 | 355469.172 | 167.207 | M8 |
| 1685 | 9529285.401 | 355450.404 | 168.003 | M8 |
| 1686 | 9529306.498 | 355449.067 | 167.484 | M7 |
| 1687 | 9529327.864 | 355447.866 | 167.042 | M6 |
| 1688 | 9529348.033 | 355446.497 | 166.053 | M5 |
| 1689 | 9529368.407 | 355445.200 | 164.178 | M4 |
| 1690 | 9529389.112 | 355444.157 | 165.097 | M3 |
| 1691 | 9529409.316 | 355442.853 | 164.496 | M2 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1692 | 9529429.107 | 355441.597 | 163.742 | M1 |
| 1708 | 9529427.918 | 355421.803 | 161.986 | M1 |
| 1709 | 9529408.095 | 355423.194 | 162.499 | M2 |
| 1710 | 9529386.377 | 355424.708 | 163.326 | M3 |
| 1711 | 9529364.256 | 355426.186 | 164.336 | M4 |
| 1712 | 9529342.117 | 355427.377 | 165.789 | M5 |
| 1713 | 9529320.977 | 355428.263 | 166.608 | M6 |
| 1714 | 9529299.378 | 355429.861 | 167.347 | M7 |
| 1715 | 9529279.107 | 355431.419 | 168.001 | M8 |
| 1716 | 9529291.980 | 355409.971 | 167.206 | PC |
| 1717 | 9529310.044 | 355409.050 | 166.652 | M8 |
| 1718 | 9529329.545 | 355408.122 | 165.893 | M7 |
| 1719 | 9529346.926 | 355407.263 | 165.174 | M6 |
| 1720 | 9529363.978 | 355406.282 | 164.635 | M5 |
| 1721 | 9529380.785 | 355404.656 | 164.234 | M4 |
| 1722 | 9529396.922 | 355403.810 | 163.620 | M3 |
| 1723 | 9529413.178 | 355402.761 | 162.591 | M2 |
| 1724 | 9529429.369 | 355401.775 | 161.736 | M1 |
| 1750 | 9529423.969 | 355361.873 | 161.960 | M1 |
| 1751 | 9529406.426 | 355363.073 | 162.816 | M2 |
| 1752 | 9529389.945 | 355364.226 | 163.626 | M3 |
| 1753 | 9529373.880 | 355365.264 | 163.597 | M4 |
| 1754 | 9529356.746 | 355365.933 | 164.044 | M5 |
| 1755 | 9529339.119 | 355366.898 | 164.842 | M6 |
| 1756 | 9529322.614 | 355368.004 | 165.705 | M7 |
| 1757 | 9529304.974 | 355369.580 | 166.279 | M8 |
| 1758 | 9529295.084 | 355350.439 | 166.146 | M7 |
| 1759 | 9529316.687 | 355349.262 | 165.397 | M6 |
| 1760 | 9529338.185 | 355347.841 | 164.499 | M5 |
| 1761 | 9529359.900 | 355346.397 | 163.497 | M4 |
| 1762 | 9529381.952 | 355344.937 | 163.343 | M3 |
| 1763 | 9529403.026 | 355343.454 | 162.407 | M2 |
| 1764 | 9529422.630 | 355342.092 | 161.391 | M1 |
| 1782 | 9529421.479 | 355322.095 | 160.353 | M1 |
| 1783 | 9529404.129 | 355323.060 | 161.107 | M2 |
| 1784 | 9529387.191 | 355324.535 | 161.796 | M3 |
| 1785 | 9529369.791 | 355325.281 | 162.556 | M4 |
| 1786 | 9529351.754 | 355326.282 | 163.362 | M5 |
| 1787 | 9529336.636 | 355327.310 | 164.235 | M6 |
| 1788 | 9529319.123 | 355328.253 | 164.695 | M7 |
| 1789 | 9529301.389 | 355329.648 | 165.354 | M8 |
| 1790 | 9529295.580 | 355310.405 | 164.740 | M8 |
| 1791 | 9529312.279 | 355309.869 | 163.995 | M7 |
| 1792 | 9529329.504 | 355308.716 | 163.629 | M6 |
| 1793 | 9529346.997 | 355307.317 | 162.751 | M5 |
| 1794 | 9529365.166 | 355305.524 | 162.040 | M4 |
| 1795 | 9529384.579 | 355304.117 | 161.432 | M3 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1796 | 9529402.607 | 355303.399 | 160.926 | M2 |
| 1797 | 9529419.978 | 355302.091 | 160.274 | M1 |
| 1814 | 9529399.618 | 355283.119 | 160.801 | M2 |
| 1815 | 9529380.173 | 355285.093 | 161.105 | M3 |
| 1816 | 9529360.054 | 355285.996 | 161.041 | M4 |
| 1817 | 9529339.982 | 355287.401 | 161.030 | M5 |
| 1818 | 9529319.577 | 355288.642 | 161.641 | M6 |
| 1819 | 9529299.476 | 355289.926 | 162.552 | M7 |
| 1820 | 9529278.922 | 355291.166 | 163.171 | M8 |
| 1821 | 9529273.668 | 355251.731 | 159.568 | M8 |
| 1822 | 9529294.151 | 355250.323 | 159.507 | M7 |
| 1823 | 9529314.107 | 355248.928 | 159.692 | M6 |
| 1824 | 9529334.382 | 355247.792 | 159.524 | M5 |
| 1825 | 9529354.864 | 355246.240 | 159.721 | M4 |
| 1826 | 9529375.085 | 355245.073 | 160.229 | M3 |
| 1827 | 9529395.439 | 355243.693 | 160.840 | M2 |
| 1828 | 9529416.213 | 355242.344 | 160.563 | M1 |
| 1852 | 9528605.436 | 356710.021 | 182.091 | M1 |
| 1853 | 9528590.321 | 356696.930 | 182.119 | M2 |
| 1854 | 9528575.360 | 356683.486 | 181.294 | M3 |
| 1855 | 9528560.135 | 356670.169 | 180.604 | M4 |
| 1856 | 9528545.015 | 356656.964 | 179.073 | M5 |
| 1857 | 9528514.803 | 356630.544 | 176.353 | M7 |
| 1858 | 9528499.742 | 356617.302 | 176.328 | M8 |
| 1859 | 9528513.820 | 356602.499 | 174.599 | M8 |
| 1860 | 9528528.632 | 356615.772 | 176.043 | M7 |
| 1861 | 9528543.637 | 356629.032 | 176.970 | M6 |
| 1862 | 9528558.614 | 356642.114 | 178.258 | M5 |
| 1863 | 9528573.497 | 356655.283 | 179.431 | M4 |
| 1864 | 9528588.541 | 356668.618 | 180.253 | M3 |
| 1865 | 9528603.698 | 356681.942 | 181.568 | M2 |
| 1866 | 9528618.649 | 356695.168 | 182.130 | M1 |
| 1883 | 9528631.954 | 356680.261 | 182.198 | M1 |
| 1884 | 9528616.899 | 356666.911 | 181.033 | M2 |
| 1885 | 9528601.871 | 356653.656 | 180.028 | M3 |
| 1886 | 9528586.921 | 356640.373 | 178.097 | M4 |
| 1887 | 9528542.190 | 356600.859 | 175.408 | M7 |
| 1888 | 9528526.709 | 356587.024 | 174.553 | M8 |
| 1889 | 9528555.518 | 356585.366 | 173.940 | M7 |
| 1890 | 9528585.512 | 356612.168 | 176.283 | M5 |
| 1891 | 9528600.526 | 356625.380 | 178.268 | M4 |
| 1892 | 9528615.449 | 356638.608 | 179.741 | M3 |
| 1893 | 9528630.300 | 356651.998 | 180.732 | M2 |
| 1894 | 9528645.181 | 356665.240 | 182.052 | M1 |
| 1910 | 9528643.474 | 356637.118 | 181.166 | M2 |
| 1911 | 9528628.415 | 356623.815 | 179.661 | M3 |
| 1912 | 9528613.312 | 356610.601 | 178.437 | M4 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1913 | 9528598.290 | 356597.296 | 176.801 | M5 |
| 1914 | 9528582.830 | 356583.988 | 175.192 | M6 |
| 1915 | 9528551.235 | 356557.858 | 173.014 | M8 |
| 1916 | 9528567.083 | 356542.417 | 172.339 | M8 |
| 1917 | 9528581.996 | 356555.648 | 173.909 | M7 |
| 1918 | 9528596.958 | 356568.824 | 175.247 | M6 |
| 1919 | 9528611.929 | 356582.218 | 177.264 | M5 |
| 1920 | 9528627.024 | 356595.504 | 178.691 | M4 |
| 1921 | 9528641.952 | 356608.741 | 180.298 | M3 |
| 1922 | 9528656.847 | 356622.032 | 181.649 | M2 |
| 1923 | 9528671.759 | 356635.401 | 182.429 | M1 |
| 1940 | 9528685.030 | 356620.337 | 182.306 | M1 |
| 1941 | 9528670.123 | 356606.966 | 181.372 | M2 |
| 1943 | 9528655.083 | 356593.683 | 179.956 | M3 |
| 1944 | 9528640.156 | 356580.285 | 178.769 | M4 |
| 1945 | 9528610.398 | 356553.588 | 175.170 | M6 |
| 1946 | 9528581.634 | 356527.473 | 172.070 | M8 |
| 1947 | 9528593.660 | 356513.818 | 172.233 | M8 |
| 1948 | 9528608.723 | 356526.764 | 173.339 | M7 |
| 1949 | 9528623.739 | 356539.849 | 174.981 | M6 |
| 1950 | 9528638.715 | 356552.836 | 176.714 | M5 |
| 1951 | 9528653.598 | 356565.867 | 178.400 | M4 |
| 1952 | 9528668.528 | 356578.964 | 179.348 | M3 |
| 1953 | 9528683.335 | 356592.232 | 180.755 | M2 |
| 1954 | 9528698.294 | 356605.546 | 181.709 | M1 |
| 1970 | 9528711.704 | 356590.442 | 181.127 | M1 |
| 1971 | 9528696.781 | 356577.187 | 179.683 | M2 |
| 1972 | 9528682.236 | 356564.124 | 178.209 | M3 |
| 1973 | 9528667.183 | 356550.566 | 176.833 | M4 |
| 1974 | 9528652.220 | 356537.210 | 175.815 | M5 |
| 1975 | 9528637.379 | 356523.699 | 174.541 | M6 |
| 1976 | 9528622.809 | 356510.398 | 173.226 | M7 |
| 1977 | 9528634.814 | 356496.569 | 173.758 | M7 |
| 1978 | 9528649.956 | 356509.736 | 173.765 | M6 |
| 1979 | 9528679.966 | 356535.938 | 176.137 | M4 |
| 1980 | 9528694.840 | 356549.071 | 177.812 | M3 |
| 1981 | 9528709.909 | 356562.282 | 179.382 | M2 |
| 1982 | 9528724.756 | 356575.528 | 180.659 | M1 |
| 1993 | 9528738.013 | 356560.660 | 180.925 | M1 |
| 1994 | 9528723.092 | 356547.373 | 179.024 | M2 |
| 1995 | 9528708.164 | 356534.139 | 177.553 | M3 |
| 1996 | 9528693.456 | 356520.826 | 176.782 | M4 |
| 1997 | 9528678.450 | 356507.552 | 175.974 | M5 |
| 1998 | 9528663.501 | 356494.356 | 175.022 | M6 |
| 1999 | 9528648.449 | 356481.123 | 174.913 | M7 |
| 2000 | 9528646.502 | 356452.613 | 176.379 | M8 |
| 2001 | 9528661.660 | 356465.962 | 176.002 | M7 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2002 | 9528675.795 | 356478.567 | 176.414 | M6 |
| 2003 | 9528691.606 | 356491.985 | 176.610 | M5 |
| 2004 | 9528704.374 | 356504.349 | 177.455 | M4 |
| 2005 | 9528721.538 | 356519.159 | 178.845 | M3 |
| 2006 | 9528736.313 | 356532.244 | 180.756 | M2 |
| 2007 | 9528751.254 | 356545.567 | 181.682 | M1 |
| 2024 | 9528764.720 | 356530.608 | 182.166 | M1 |
| 2025 | 9528749.614 | 356517.286 | 181.705 | M2 |
| 2026 | 9528734.619 | 356504.049 | 180.198 | M3 |
| 2027 | 9528719.970 | 356490.767 | 178.644 | M4 |
| 2028 | 9528704.949 | 356477.537 | 177.485 | M5 |
| 2029 | 9528690.008 | 356464.138 | 177.135 | M6 |
| 2030 | 9528675.071 | 356450.868 | 177.555 | M7 |
| 2031 | 9528689.286 | 356436.460 | 178.563 | M7 |
| 2032 | 9528704.269 | 356449.735 | 178.717 | M6 |
| 2033 | 9528718.619 | 356462.696 | 178.889 | M5 |
| 2034 | 9528733.344 | 356476.067 | 180.133 | M4 |
| 2035 | 9528748.197 | 356489.200 | 181.143 | M3 |
| 2036 | 9528762.961 | 356502.424 | 182.207 | M2 |
| 2037 | 9528777.956 | 356515.693 | 182.336 | M1 |
| 2054 | 9528791.220 | 356500.697 | 182.593 | M1 |
| 2055 | 9528776.323 | 356487.469 | 182.773 | M2 |
| 2056 | 9528761.236 | 356474.030 | 182.582 | M3 |
| 2057 | 9528746.360 | 356460.681 | 181.430 | M4 |
| 2058 | 9528731.593 | 356447.353 | 179.727 | M5 |
| 2059 | 9528716.984 | 356434.203 | 181.075 | M6 |
| 2060 | 9528702.228 | 356420.652 | 181.170 | M7 |
| 2061 | 9528687.450 | 356407.325 | 181.219 | M8 |
| 2062 | 9528674.824 | 356422.968 | 179.469 | M8 |
| 2063 | 9528699.194 | 356392.981 | 182.161 | M8 |
| 2064 | 9528714.184 | 356406.229 | 182.311 | M7 |
| 2065 | 9528729.213 | 356419.627 | 182.309 | M6 |
| 2066 | 9528744.278 | 356432.841 | 181.147 | M5 |
| 2067 | 9528759.434 | 356445.945 | 182.464 | M4 |
| 2068 | 9528774.477 | 356459.213 | 183.164 | M3 |
| 2069 | 9528789.453 | 356472.432 | 183.161 | M2 |
| 2070 | 9528804.452 | 356485.704 | 182.944 | M1 |
| 2087 | 9528817.938 | 356470.796 | 183.201 | M1 |
| 2088 | 9528802.880 | 356457.507 | 183.462 | M2 |
| 2089 | 9528787.788 | 356444.305 | 183.503 | M3 |
| 2090 | 9528772.707 | 356431.217 | 182.911 | M4 |
| 2091 | 9528757.740 | 356417.907 | 182.945 | M5 |
| 2092 | 9528742.587 | 356404.491 | 182.904 | M6 |
| 2093 | 9528727.114 | 356391.381 | 182.342 | M7 |
| 2094 | 9528711.676 | 356378.351 | 181.967 | M8 |
| 2095 | 9528725.721 | 356362.051 | 181.462 | M8 |
| 2101 | 9528740.750 | 356375.431 | 181.791 | M7 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2102 | 9528755.760 | 356388.898 | 182.805 | M6 |
| 2103 | 9528770.751 | 356402.445 | 183.532 | M5 |
| 2104 | 9528785.755 | 356415.772 | 183.828 | M4 |
| 2105 | 9528801.023 | 356429.157 | 184.040 | M3 |
| 2106 | 9528815.988 | 356442.481 | 183.819 | M2 |
| 2107 | 9528831.062 | 356455.796 | 183.568 | M1 |
| 2138 | 9528893.023 | 356400.253 | 185.121 | M1 |
| 2139 | 9528880.360 | 356384.765 | 184.947 | M2 |
| 2140 | 9528867.339 | 356368.533 | 184.916 | M3 |
| 2141 | 9528855.081 | 356353.653 | 185.222 | M4 |
| 2142 | 9528842.484 | 356338.176 | 185.042 | M5 |
| 2143 | 9528829.941 | 356323.085 | 184.631 | M6 |
| 2144 | 9528817.221 | 356307.755 | 184.449 | M7 |
| 2145 | 9528804.235 | 356293.030 | 183.600 | M8 |
| 2146 | 9528826.637 | 356351.818 | 185.307 | M5 |
| 2147 | 9528839.343 | 356366.984 | 185.779 | M4 |
| 2148 | 9528864.012 | 356396.519 | 184.829 | M2 |
| 2149 | 9528877.463 | 356412.814 | 184.811 | M1 |
| 2162 | 9528908.367 | 356387.518 | 185.649 | M1 |
| 2163 | 9528895.638 | 356372.122 | 184.949 | M2 |
| 2164 | 9528882.733 | 356356.541 | 184.880 | M3 |
| 2165 | 9528870.032 | 356341.037 | 184.461 | M4 |
| 2166 | 9528857.305 | 356325.709 | 184.462 | M5 |
| 2167 | 9528844.636 | 356310.137 | 184.216 | M6 |
| 2168 | 9528832.086 | 356294.600 | 184.354 | M7 |
| 2169 | 9528845.825 | 356280.386 | 183.900 | M7 |
| 2170 | 9528858.725 | 356296.233 | 183.781 | M6 |
| 2171 | 9528871.407 | 356311.678 | 183.911 | M5 |
| 2172 | 9528884.185 | 356327.107 | 184.571 | M4 |
| 2173 | 9528898.118 | 356343.827 | 184.846 | M3 |
| 2174 | 9528910.909 | 356359.228 | 185.037 | M2 |
| 2175 | 9528923.658 | 356374.607 | 185.953 | M1 |
| 2192 | 9528939.184 | 356362.010 | 185.888 | M1 |
| 2193 | 9528926.333 | 356346.502 | 185.189 | M2 |
| 2194 | 9528913.689 | 356331.173 | 184.890 | M3 |
| 2195 | 9528900.978 | 356315.896 | 184.740 | M4 |
| 2196 | 9528888.378 | 356300.359 | 184.085 | M5 |
| 2197 | 9528875.677 | 356284.789 | 183.523 | M6 |
| 2198 | 9528862.420 | 356268.518 | 183.497 | M7 |
| 2199 | 9528850.425 | 356253.664 | 183.466 | M8 |
| 2201 | 9528865.295 | 356240.140 | 182.976 | M8 |
| 2202 | 9528878.042 | 356255.672 | 183.035 | M7 |
| 2203 | 9528890.709 | 356271.320 | 183.410 | M6 |
| 2204 | 9528903.459 | 356286.952 | 183.943 | M5 |
| 2205 | 9528916.272 | 356302.405 | 184.613 | M4 |
| 2206 | 9528928.966 | 356317.965 | 184.984 | M3 |
| 2207 | 9528941.713 | 356333.406 | 185.330 | M2 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2208 | 9528954.433 | 356349.062 | 185.907 | M1 |
| 2226 | 9528970.011 | 356336.415 | 185.687 | M1 |
| 2227 | 9528957.167 | 356320.785 | 185.345 | M2 |
| 2228 | 9528944.170 | 356305.243 | 185.245 | M3 |
| 2229 | 9528931.413 | 356289.614 | 184.653 | M4 |
| 2230 | 9528918.481 | 356274.282 | 183.779 | M5 |
| 2231 | 9528905.586 | 356258.881 | 183.116 | M6 |
| 2232 | 9528892.465 | 356243.428 | 182.785 | M7 |
| 2233 | 9528879.798 | 356227.839 | 182.584 | M8 |
| 2234 | 9528896.878 | 356214.603 | 182.079 | M8 |
| 2235 | 9528909.435 | 356230.145 | 182.464 | M7 |
| 2236 | 9528921.964 | 356245.731 | 182.823 | M6 |
| 2237 | 9528934.515 | 356261.420 | 183.599 | M5 |
| 2238 | 9528947.184 | 356277.013 | 184.501 | M4 |
| 2239 | 9528959.756 | 356292.597 | 185.225 | M3 |
| 2240 | 9528972.515 | 356308.069 | 185.487 | M2 |
| 2241 | 9528985.306 | 356323.547 | 185.010 | M1 |
| 2258 | 9529000.850 | 356310.865 | 184.921 | M1 |
| 2259 | 9528988.020 | 356295.241 | 184.842 | M2 |
| 2260 | 9528975.384 | 356279.935 | 184.669 | M3 |
| 2261 | 9528962.353 | 356264.429 | 184.019 | M4 |
| 2262 | 9528949.314 | 356248.911 | 183.014 | M5 |
| 2263 | 9528936.283 | 356233.652 | 182.609 | M6 |
| 2264 | 9528923.313 | 356218.304 | 182.233 | M7 |
| 2265 | 9528910.059 | 356202.614 | 182.146 | M8 |
| 2266 | 9528926.536 | 356189.832 | 181.564 | M8 |
| 2267 | 9528939.456 | 356205.072 | 182.074 | M7 |
| 2268 | 9528952.123 | 356220.710 | 182.444 | M6 |
| 2269 | 9528964.402 | 356236.295 | 182.599 | M5 |
| 2270 | 9528977.476 | 356251.820 | 183.661 | M4 |
| 2271 | 9528990.394 | 356267.304 | 184.091 | M3 |
| 2272 | 9529003.248 | 356282.679 | 183.836 | M2 |
| 2273 | 9529016.112 | 356298.139 | 184.075 | M1 |
| 2289 | 9529031.535 | 356285.312 | 183.040 | M1 |
| 2290 | 9529018.816 | 356269.860 | 183.307 | M2 |
| 2291 | 9529005.953 | 356254.293 | 183.513 | M3 |
| 2292 | 9528993.150 | 356238.843 | 183.266 | M4 |
| 2293 | 9528980.502 | 356223.356 | 182.665 | M5 |
| 2294 | 9528967.802 | 356207.812 | 182.404 | M6 |
| 2295 | 9528955.064 | 356192.112 | 181.891 | M7 |
| 2296 | 9528956.738 | 356163.746 | 181.325 | M8 |
| 2297 | 9528969.496 | 356179.267 | 181.953 | M7 |
| 2298 | 9528982.347 | 356194.830 | 182.519 | M6 |
| 2299 | 9528995.325 | 356210.463 | 182.795 | M5 |
| 2300 | 9529008.302 | 356225.996 | 183.151 | M4 |
| 2301 | 9529021.204 | 356241.576 | 183.132 | M3 |
| 2302 | 9529033.995 | 356257.133 | 182.986 | M2 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2303 | 9529046.905 | 356272.528 | 182.606 | M1 |
| 2318 | 9529062.321 | 356259.962 | 182.203 | M1 |
| 2319 | 9529048.853 | 356243.562 | 182.977 | M2 |
| 2320 | 9529035.977 | 356228.085 | 183.319 | M3 |
| 2321 | 9529023.151 | 356212.545 | 183.230 | M4 |
| 2322 | 9529010.307 | 356197.085 | 183.048 | M5 |
| 2323 | 9528997.596 | 356181.806 | 182.692 | M6 |
| 2324 | 9528984.846 | 356166.466 | 182.024 | M7 |
| 2325 | 9528972.169 | 356150.911 | 181.583 | M8 |
| 2326 | 9528988.784 | 356139.399 | 181.925 | M8 |
| 2327 | 9529001.326 | 356154.406 | 182.269 | M7 |
| 2328 | 9529013.934 | 356169.797 | 182.671 | M6 |
| 2329 | 9529026.804 | 356185.268 | 183.025 | M5 |
| 2330 | 9529039.524 | 356200.811 | 183.447 | M4 |
| 2331 | 9529052.148 | 356216.204 | 183.225 | M3 |
| 2332 | 9529064.973 | 356231.667 | 182.447 | M2 |
| 2333 | 9529077.682 | 356247.006 | 181.791 | M1 |
| 2351 | 9529093.202 | 356234.330 | 181.899 | M1 |
| 2352 | 9529080.333 | 356218.891 | 182.428 | M2 |
| 2353 | 9529067.742 | 356203.693 | 183.089 | M3 |
| 2354 | 9529054.763 | 356187.865 | 183.513 | M4 |
| 2355 | 9529041.919 | 356172.528 | 183.188 | M5 |
| 2356 | 9529029.156 | 356156.935 | 182.787 | M6 |
| 2357 | 9529016.178 | 356141.305 | 182.499 | M7 |
| 2358 | 9529031.030 | 356128.182 | 182.459 | M7 |
| 2359 | 9529043.956 | 356143.738 | 182.789 | M6 |
| 2360 | 9529056.967 | 356159.650 | 183.366 | M5 |
| 2361 | 9529069.908 | 356175.153 | 183.696 | M4 |
| 2362 | 9529082.774 | 356190.590 | 183.599 | M3 |
| 2363 | 9529095.716 | 356206.118 | 182.485 | M2 |
| 2364 | 9529108.520 | 356221.494 | 182.014 | M1 |
| 2381 | 9529123.968 | 356208.953 | 182.136 | M1 |
| 2382 | 9529111.103 | 356193.399 | 182.988 | M2 |
| 2383 | 9529098.307 | 356177.962 | 183.758 | M3 |
| 2384 | 9529085.299 | 356162.407 | 183.104 | M4 |
| 2385 | 9529072.337 | 356146.840 | 183.494 | M5 |
| 2386 | 9529059.499 | 356131.504 | 183.004 | M6 |
| 2387 | 9529046.537 | 356116.077 | 182.222 | M7 |
| 2388 | 9529062.530 | 356103.934 | 182.181 | M7 |
| 2389 | 9529075.313 | 356119.249 | 182.775 | M6 |
| 2390 | 9529088.105 | 356134.591 | 183.481 | M5 |
| 2391 | 9529100.994 | 356150.077 | 183.944 | M4 |
| 2392 | 9529113.705 | 356165.353 | 183.903 | M3 |
| 2393 | 9529126.383 | 356180.664 | 183.179 | M2 |
| 2394 | 9529139.197 | 356196.208 | 182.098 | M1 |
| 2411 | 9529154.243 | 356183.649 | 182.166 | M1 |
| 2412 | 9529141.485 | 356168.721 | 182.383 | M2 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2413 | 9529128.379 | 356153.366 | 182.444 | M3 |
| 2414 | 9529115.243 | 356138.012 | 183.112 | M4 |
| 2415 | 9529102.008 | 356122.725 | 182.771 | M5 |
| 2416 | 9529088.830 | 356107.521 | 182.140 | M6 |
| 2417 | 9529076.121 | 356092.630 | 181.886 | M7 |
| 2418 | 9529063.433 | 356077.611 | 181.210 | M8 |
| 2419 | 9529081.008 | 356063.996 | 181.009 | M8 |
| 2420 | 9529093.860 | 356078.662 | 181.701 | M7 |
| 2421 | 9529106.064 | 356093.658 | 182.008 | M6 |
| 2422 | 9529118.733 | 356108.970 | 182.237 | M5 |
| 2423 | 9529131.386 | 356124.334 | 182.298 | M4 |
| 2424 | 9529144.325 | 356139.877 | 181.850 | M3 |
| 2425 | 9529157.225 | 356155.289 | 181.547 | M2 |
| 2426 | 9529169.888 | 356170.593 | 181.484 | M1 |
| 2439 | 9529185.297 | 356157.941 | 180.905 | M1 |
| 2440 | 9529172.410 | 356142.450 | 181.177 | M2 |
| 2441 | 9529159.352 | 356126.715 | 181.473 | M3 |
| 2442 | 9529146.525 | 356111.295 | 181.636 | M4 |
| 2443 | 9529133.787 | 356095.824 | 181.660 | M5 |
| 2444 | 9529121.117 | 356080.525 | 181.670 | M6 |
| 2445 | 9529108.486 | 356065.420 | 181.526 | M7 |
| 2446 | 9529095.943 | 356050.540 | 180.954 | M8 |
| 2447 | 9529110.915 | 356036.966 | 180.790 | M8 |
| 2448 | 9529123.761 | 356052.494 | 181.200 | M7 |
| 2449 | 9529136.703 | 356068.056 | 181.452 | M6 |
| 2450 | 9529149.446 | 356083.516 | 181.253 | M5 |
| 2451 | 9529162.381 | 356099.107 | 181.137 | M4 |
| 2452 | 9529175.105 | 356114.418 | 180.888 | M3 |
| 2453 | 9529187.706 | 356129.586 | 180.768 | M2 |
| 2454 | 9529200.536 | 356145.242 | 180.445 | M1 |
| 2468 | 9529215.963 | 356132.639 | 179.812 | M1 |
| 2469 | 9529203.128 | 356117.284 | 180.204 | M2 |
| 2470 | 9529190.164 | 356101.929 | 180.417 | M3 |
| 2471 | 9529177.455 | 356086.736 | 180.662 | M4 |
| 2472 | 9529164.577 | 356071.560 | 180.834 | M5 |
| 2473 | 9529152.335 | 356056.909 | 181.022 | M6 |
| 2474 | 9529139.210 | 356041.135 | 180.978 | M7 |
| 2475 | 9529126.433 | 356025.744 | 180.730 | M8 |
| 2476 | 9529205.702 | 356089.282 | 180.001 | M3 |
| 2477 | 9529218.365 | 356104.340 | 179.652 | M2 |
| 2478 | 9529231.291 | 356119.789 | 179.229 | M1 |
| 2493 | 9529246.473 | 356107.224 | 178.664 | M1 |
| 2494 | 9529233.732 | 356091.957 | 179.115 | M2 |
| 2495 | 9529221.228 | 356076.878 | 179.528 | M3 |
| 2496 | 9529208.874 | 356062.492 | 179.803 | M4 |
| 2497 | 9529173.923 | 355986.815 | 179.885 | M8 |
| 2498 | 9529185.931 | 356001.662 | 179.808 | M7 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2499 | 9529198.313 | 356017.402 | 179.650 | M6 |
| 2500 | 9529210.919 | 356032.647 | 179.703 | M5 |
| 2501 | 9529223.550 | 356048.153 | 179.523 | M4 |
| 2502 | 9529236.317 | 356063.531 | 179.262 | M3 |
| 2503 | 9529249.045 | 356079.142 | 178.834 | M2 |
| 2504 | 9529261.784 | 356094.590 | 178.170 | M1 |
| 2520 | 9529277.013 | 356081.824 | 177.920 | M1 |
| 2521 | 9529264.387 | 356066.336 | 178.643 | M2 |
| 2522 | 9529251.683 | 356050.971 | 179.098 | M3 |
| 2523 | 9529238.864 | 356035.483 | 179.265 | M4 |
| 2524 | 9529226.198 | 356019.906 | 179.163 | M5 |
| 2525 | 9529213.314 | 356004.264 | 179.417 | M6 |
| 2526 | 9529200.510 | 355988.977 | 178.893 | M7 |
| 2527 | 9529188.049 | 355973.486 | 179.575 | M8 |
| 2528 | 9529204.498 | 355962.316 | 178.508 | M8 |
| 2529 | 9529216.822 | 355977.358 | 178.270 | M7 |
| 2530 | 9529229.401 | 355992.688 | 178.353 | M6 |
| 2531 | 9529241.921 | 356007.829 | 178.465 | M5 |
| 2532 | 9529254.731 | 356023.371 | 178.690 | M4 |
| 2533 | 9529267.440 | 356038.595 | 178.492 | M3 |
| 2534 | 9529280.005 | 356053.955 | 178.245 | M2 |
| 2535 | 9529292.510 | 356068.975 | 177.645 | M1 |
| 2550 | 9529307.813 | 356056.333 | 176.962 | M1 |
| 2551 | 9529295.262 | 356040.866 | 177.577 | M2 |
| 2552 | 9529282.488 | 356025.437 | 177.896 | M3 |
| 2553 | 9529269.619 | 356009.907 | 178.165 | M4 |
| 2554 | 9529256.670 | 355994.524 | 177.653 | M5 |
| 2555 | 9529243.941 | 355979.111 | 177.522 | M6 |
| 2556 | 9529231.150 | 355963.516 | 177.791 | M7 |
| 2557 | 9529218.558 | 355948.297 | 177.375 | M8 |
| 2558 | 9529234.781 | 355935.636 | 176.533 | M8 |
| 2559 | 9529247.298 | 355951.108 | 176.939 | M7 |
| 2560 | 9529260.138 | 355966.795 | 176.973 | M6 |
| 2561 | 9529272.631 | 355981.972 | 177.232 | M5 |
| 2562 | 9529285.265 | 355997.646 | 177.186 | M4 |
| 2563 | 9529297.985 | 356012.904 | 177.288 | M3 |
| 2564 | 9529310.655 | 356028.209 | 177.134 | M2 |
| 2565 | 9529323.238 | 356043.685 | 176.939 | M1 |
| 2576 | 9529338.403 | 356030.706 | 176.886 | M1 |
| 2577 | 9529324.698 | 356014.674 | 176.987 | M2 |
| 2578 | 9529277.885 | 355925.764 | 175.307 | M7 |
| 2579 | 9529290.504 | 355941.304 | 175.490 | M6 |
| 2580 | 9529303.271 | 355956.652 | 175.688 | M5 |
| 2581 | 9529315.998 | 355971.945 | 176.211 | M4 |
| 2582 | 9529328.691 | 355987.372 | 176.661 | M3 |
| 2583 | 9529353.981 | 356017.964 | 177.390 | M1 |
| 2598 | 9529369.464 | 356005.403 | 178.307 | M1 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2599 | 9529356.531 | 355989.788 | 178.046 | M2 |
| 2600 | 9529343.811 | 355974.351 | 177.599 | M3 |
| 2601 | 9529330.793 | 355958.766 | 176.880 | M4 |
| 2602 | 9529318.401 | 355942.773 | 175.555 | M5 |
| 2603 | 9529305.764 | 355927.191 | 174.846 | M6 |
| 2604 | 9529293.102 | 355911.633 | 174.372 | M7 |
| 2605 | 9529280.310 | 355896.080 | 174.557 | M8 |
| 2606 | 9529298.601 | 355885.326 | 173.510 | M8 |
| 2607 | 9529310.765 | 355900.649 | 174.265 | M7 |
| 2608 | 9529323.293 | 355916.151 | 175.100 | M6 |
| 2609 | 9529335.857 | 355931.448 | 176.023 | M5 |
| 2610 | 9529348.144 | 355946.558 | 177.398 | M4 |
| 2611 | 9529359.864 | 355961.122 | 178.578 | M3 |
| 2612 | 9529372.306 | 355976.780 | 179.146 | M2 |
| 2613 | 9529384.913 | 355992.326 | 179.193 | M1 |
| 2627 | 9529399.584 | 355980.562 | 179.612 | M1 |
| 2628 | 9529386.773 | 355965.059 | 179.499 | M2 |
| 2629 | 9529373.832 | 355949.798 | 178.427 | M3 |
| 2630 | 9529360.987 | 355934.581 | 176.827 | M4 |
| 2631 | 9529348.025 | 355919.111 | 176.012 | M5 |
| 2632 | 9529335.288 | 355903.582 | 175.146 | M6 |
| 2633 | 9529322.170 | 355888.250 | 174.272 | M7 |
| 2634 | 9529309.379 | 355872.898 | 173.434 | M8 |
| 2635 | 9529326.918 | 355861.733 | 173.730 | M8 |
| 2636 | 9529339.791 | 355876.908 | 174.685 | M7 |
| 2637 | 9529352.052 | 355892.076 | 175.513 | M6 |
| 2638 | 9529415.048 | 355874.418 | 177.223 | M5 |
| 2639 | 9529457.332 | 355880.195 | 178.860 | M1 |
| 2659 | 9529456.413 | 355860.245 | 177.460 | M1 |
| 2660 | 9529436.597 | 355861.640 | 176.974 | M2 |
| 2661 | 9529402.462 | 355858.917 | 176.369 | M6 |
| 2662 | 9529395.445 | 355844.707 | 175.961 | M7 |
| 2663 | 9528861.996 | 356427.142 | 184.397 | M1 |
| 2664 | 9528846.529 | 356441.469 | 183.983 | M1 |
| 2665 | 9528789.380 | 356385.570 | 184.123 | M2 |
| 2666 | 9528808.008 | 356368.694 | 184.715 | M2 |
| 2667 | 9528821.480 | 356383.247 | 185.129 | M3 |
| 2668 | 9528803.617 | 356399.510 | 184.478 | M3 |
| 2669 | 9528850.760 | 356383.689 | 184.697 | M3 |
| 2670 | 9528834.181 | 356398.845 | 184.478 | M4 |
| 2671 | 9528817.602 | 356414.001 | 184.259 | M4 |
| 2672 | 9528848.004 | 356411.840 | 184.492 | M5 |
| 2673 | 9528831.996 | 356427.160 | 184.155 | M5 |
| 2674 | 9528811.396 | 356339.538 | 184.174 | M6 |
| 2675 | 9528792.850 | 356355.991 | 183.718 | M6 |
| 2676 | 9528774.305 | 356372.444 | 183.262 | M6 |
| 2677 | 9528798.103 | 356324.674 | 183.785 | M7 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2678 | 9528778.985 | 356341.593 | 183.120 | M7 |
| 2679 | 9528759.868 | 356358.512 | 182.456 | M7 |
| 2680 | 9528784.606 | 356310.285 | 183.066 | M8 |
| 2681 | 9528764.978 | 356327.541 | 182.531 | M8 |
| 2682 | 9528745.349 | 356344.796 | 181.997 | M8 |
| 2683 | 9529415.040 | 355222.479 | 159.320 | M1 |
| 2684 | 9529396.162 | 355223.657 | 159.874 | M2 |
| 2685 | 9529376.663 | 355225.108 | 159.500 | M3 |
| 2686 | 9529356.591 | 355226.447 | 158.965 | M4 |
| 2687 | 9529336.536 | 355227.620 | 158.783 | M5 |
| 2688 | 9529315.878 | 355229.255 | 158.698 | M6 |
| 2689 | 9529294.772 | 355230.876 | 158.734 | M7 |
| 2690 | 9529295.675 | 355210.300 | 157.859 | M7 |
| 2691 | 9529315.340 | 355209.005 | 157.763 | M6 |
| 2692 | 9529334.951 | 355207.585 | 158.008 | M5 |
| 2693 | 9529355.000 | 355206.254 | 158.448 | M4 |
| 2694 | 9529374.868 | 355205.019 | 158.653 | M3 |
| 2695 | 9529393.854 | 355203.753 | 158.536 | M2 |
| 2696 | 9529413.637 | 355202.514 | 158.295 | M1 |
| 2717 | 9529412.449 | 355182.649 | 156.913 | M1 |
| 2718 | 9529394.576 | 355183.661 | 157.097 | M2 |
| 2719 | 9529375.081 | 355184.834 | 157.390 | M3 |
| 2720 | 9529354.840 | 355186.098 | 157.346 | M4 |
| 2721 | 9529334.821 | 355187.676 | 157.383 | M5 |
| 2722 | 9529315.758 | 355188.888 | 157.204 | M6 |
| 2723 | 9529295.901 | 355190.309 | 156.961 | M7 |
| 2724 | 9529274.864 | 355191.956 | 156.858 | M8 |
| 2725 | 9529270.561 | 355169.479 | 155.816 | M8 |
| 2726 | 9529291.988 | 355169.671 | 155.663 | M7 |
| 2727 | 9529312.494 | 355168.394 | 156.603 | M6 |
| 2728 | 9529332.443 | 355167.053 | 156.682 | M5 |
| 2729 | 9529353.010 | 355165.952 | 156.741 | M4 |
| 2730 | 9529373.040 | 355164.937 | 156.616 | M3 |
| 2731 | 9529392.953 | 355163.822 | 156.492 | M2 |
| 2732 | 9529411.122 | 355162.800 | 156.482 | M1 |
| 2749 | 9529410.022 | 355142.621 | 155.714 | M1 |
| 2750 | 9529389.855 | 355144.014 | 155.932 | M2 |
| 2751 | 9529369.440 | 355145.453 | 155.841 | M3 |
| 2752 | 9529349.215 | 355146.857 | 155.820 | M4 |
| 2753 | 9529329.405 | 355148.057 | 156.084 | M5 |
| 2754 | 9529309.488 | 355149.563 | 155.936 | M6 |
| 2755 | 9529288.791 | 355151.071 | 155.678 | M7 |
| 2756 | 9529267.882 | 355152.741 | 154.758 | M8 |
| 2757 | 9529272.999 | 355132.305 | 155.409 | M8 |
| 2758 | 9529295.053 | 355129.864 | 154.842 | PC |
| 2759 | 9529327.155 | 355127.816 | 155.065 | M5 |
| 2760 | 9529347.512 | 355127.056 | 154.211 | M4 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2761 | 9529368.256 | 355125.651 | 154.763 | M3 |
| 2762 | 9529388.239 | 355124.057 | 154.776 | M2 |
| 2763 | 9529408.666 | 355122.579 | 154.450 | M1 |
| 2780 | 9529407.222 | 355101.923 | 152.130 | M1 |
| 2781 | 9529387.097 | 355102.551 | 152.102 | M2 |
| 2782 | 9529365.567 | 355104.055 | 152.114 | M3 |
| 2783 | 9529345.446 | 355105.483 | 154.428 | M4 |
| 2784 | 9529322.164 | 355107.437 | 154.660 | M5 |
| 2785 | 9529300.263 | 355109.722 | 154.854 | M6 |
| 2786 | 9529279.869 | 355112.206 | 153.063 | M7 |
| 2787 | 9529404.182 | 355056.882 | 150.389 | M1 |
| 2788 | 9529384.180 | 355057.955 | 150.740 | M2 |
| 2789 | 9529364.473 | 355061.527 | 151.274 | M3 |
| 2790 | 9529344.643 | 355064.779 | 151.649 | M4 |
| 2791 | 9529320.112 | 355041.219 | 150.722 | M5 |
| 2792 | 9529340.534 | 355038.948 | 150.912 | M4 |
| 2793 | 9529361.324 | 355039.519 | 150.111 | M3 |
| 2794 | 9529381.212 | 355037.357 | 150.604 | M2 |
| 2795 | 9529399.619 | 355035.968 | 152.076 | PC |
| 2796 | 9529402.870 | 355036.266 | 152.320 | M1 |
| 2806 | 9529401.749 | 355016.382 | 153.949 | M1 |
| 2807 | 9529381.288 | 355017.617 | 152.962 | M2 |
| 2808 | 9529361.068 | 355019.358 | 152.784 | M3 |
| 2809 | 9529340.038 | 355020.777 | 153.647 | M4 |
| 2810 | 9529318.123 | 355022.522 | 153.091 | M5 |
| 2811 | 9529298.223 | 355025.149 | 151.320 | M6 |
| 2812 | 9529279.156 | 355028.205 | 150.105 | M7 |
| 2813 | 9529318.900 | 355001.643 | 156.059 | M5 |
| 2814 | 9529339.957 | 355000.067 | 155.665 | M4 |
| 2815 | 9529360.834 | 354998.828 | 155.392 | M3 |
| 2816 | 9529380.444 | 354997.271 | 155.556 | M2 |
| 2817 | 9529400.360 | 354996.484 | 155.731 | M1 |
| 2833 | 9529399.218 | 354976.311 | 156.572 | M1 |
| 2834 | 9529379.465 | 354977.405 | 155.924 | M2 |
| 2835 | 9529359.654 | 354978.446 | 154.515 | M3 |
| 2836 | 9529338.933 | 354979.680 | 157.307 | M4 |
| 2837 | 9529317.344 | 354981.788 | 159.494 | M5 |
| 2838 | 9529316.264 | 354961.924 | 162.934 | M5 |
| 2839 | 9529337.183 | 354960.590 | 158.151 | M4 |
| 2840 | 9529357.751 | 354959.248 | 156.739 | M3 |
| 2841 | 9529377.887 | 354958.002 | 157.782 | M2 |
| 2842 | 9529397.871 | 354956.747 | 158.034 | M1 |
| 2859 | 9529396.290 | 354936.683 | 160.122 | M1 |
| 2860 | 9529375.618 | 354938.031 | 159.346 | M2 |
| 2861 | 9529355.226 | 354939.036 | 158.924 | M3 |
| 2862 | 9529334.789 | 354941.044 | 158.929 | M4 |
| 2863 | 9529313.587 | 354943.124 | 161.326 | M5 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2864 | 9529269.009 | 354929.075 | 160.966 | M7 |
| 2865 | 9529289.586 | 354927.160 | 162.670 | M6 |
| 2866 | 9529308.861 | 354923.450 | 161.002 | M5 |
| 2867 | 9529332.515 | 354920.431 | 159.857 | M4 |
| 2868 | 9529353.387 | 354919.292 | 161.292 | M3 |
| 2869 | 9529375.074 | 354918.180 | 162.873 | M2 |
| 2870 | 9529394.923 | 354916.963 | 162.418 | M1 |
| 2886 | 9529393.932 | 354896.897 | 164.566 | M1 |
| 2887 | 9529371.763 | 354898.459 | 164.897 | M2 |
| 2888 | 9529349.555 | 354900.036 | 163.743 | M3 |
| 2889 | 9529283.128 | 354905.007 | 164.202 | M6 |
| 2890 | 9529260.906 | 354906.729 | 162.706 | M7 |
| 2891 | 9529241.437 | 354890.729 | 163.001 | M8 |
| 2892 | 9529264.252 | 354887.681 | 165.072 | M7 |
| 2893 | 9529286.268 | 354885.524 | 164.739 | M6 |
| 2894 | 9529308.380 | 354883.692 | 163.631 | M5 |
| 2895 | 9529330.293 | 354881.619 | 162.916 | M4 |
| 2896 | 9529351.308 | 354880.591 | 164.887 | M3 |
| 2897 | 9529371.670 | 354878.912 | 166.356 | M2 |
| 2898 | 9529392.480 | 354877.327 | 166.938 | M1 |
| 2948 | 9529461.239 | 355915.712 | 180.209 | M1 |
| 2949 | 9529453.312 | 355920.861 | 180.032 | M2 |
| 2952 | 9529401.433 | 354844.012 | 169.492 | M1 |
| 2953 | 9529382.184 | 354836.060 | 169.975 | M2 |
| 2954 | 9529362.900 | 354827.821 | 169.413 | M3 |
| 2955 | 9529343.722 | 354819.360 | 169.719 | M4 |
| 2956 | 9529323.516 | 354811.587 | 170.596 | M5 |
| 2957 | 9529304.745 | 354802.902 | 171.567 | M6 |
| 2958 | 9529284.704 | 354794.542 | 171.902 | M7 |
| 2959 | 9529270.777 | 354771.148 | 170.405 | M8 |
| 2960 | 9529291.789 | 354778.713 | 170.981 | M7 |
| 2961 | 9529312.110 | 354786.367 | 170.937 | M6 |
| 2962 | 9529331.669 | 354794.375 | 170.907 | M5 |
| 2963 | 9529351.494 | 354802.278 | 169.879 | M4 |
| 2964 | 9529370.594 | 354809.796 | 170.001 | M3 |
| 2965 | 9529390.150 | 354817.822 | 170.558 | M2 |
| 2966 | 9529409.334 | 354825.772 | 169.470 | M1 |
| 2976 | 9529417.031 | 354807.626 | 167.901 | M1 |
| 2977 | 9529399.081 | 354800.202 | 168.547 | M2 |
| 2978 | 9529379.113 | 354791.616 | 168.670 | M3 |
| 2979 | 9529359.923 | 354783.697 | 168.426 | M4 |
| 2980 | 9529342.047 | 354775.769 | 168.852 | M5 |
| 2981 | 9529324.506 | 354768.699 | 168.623 | M6 |
| 2982 | 9529307.049 | 354760.875 | 168.857 | M7 |
| 2983 | 9529289.225 | 354753.349 | 169.460 | M8 |
| 2984 | 9529290.168 | 354732.952 | 168.233 | M7 |
| 2985 | 9529309.885 | 354741.566 | 166.731 | M6 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2986 | 9529329.411 | 354749.847 | 166.435 | M5 |
| 2987 | 9529348.999 | 354757.885 | 167.599 | M4 |
| 2988 | 9529387.253 | 354773.542 | 167.645 | M3 |
| 2989 | 9529405.774 | 354781.297 | 166.127 | M2 |
| 2990 | 9529424.604 | 354789.257 | 164.540 | M1 |
| 3010 | 9529413.438 | 354762.642 | 163.215 | M2 |
| 3011 | 9529393.305 | 354754.108 | 165.495 | M3 |
| 3012 | 9529373.359 | 354746.159 | 166.902 | M4 |
| 3013 | 9529352.229 | 354736.956 | 167.066 | M5 |
| 3014 | 9529332.993 | 354728.725 | 164.813 | M6 |
| 3015 | 9529313.263 | 354720.510 | 165.361 | M7 |
| 3016 | 9529294.614 | 354713.404 | 166.086 | M8 |
| 3017 | 9529304.514 | 354696.658 | 164.085 | M8 |
| 3018 | 9529323.981 | 354704.956 | 162.957 | M7 |
| 3019 | 9529343.859 | 354713.002 | 164.589 | M6 |
| 3020 | 9529363.689 | 354721.321 | 165.570 | M5 |
| 3021 | 9529383.028 | 354728.983 | 164.200 | M4 |
| 3022 | 9529402.379 | 354737.071 | 162.122 | M3 |
| 3023 | 9529421.201 | 354744.991 | 160.346 | M2 |
| 3024 | 9529439.932 | 354752.832 | 159.807 | M1 |
| 3040 | 9529447.821 | 354734.343 | 157.894 | M1 |
| 3041 | 9529429.603 | 354726.601 | 158.320 | M2 |
| 3042 | 9529410.695 | 354718.180 | 159.800 | M3 |
| 3043 | 9529390.927 | 354709.361 | 161.166 | M4 |
| 3044 | 9529370.778 | 354700.876 | 162.785 | M5 |
| 3045 | 9529351.437 | 354692.325 | 162.420 | M6 |
| 3046 | 9529331.946 | 354683.856 | 161.117 | M7 |
| 3047 | 9529312.914 | 354675.417 | 161.373 | M8 |
| 3048 | 9529324.302 | 354658.206 | 160.223 | M8 |
| 3049 | 9529343.378 | 354666.580 | 160.099 | M7 |
| 3050 | 9529362.634 | 354675.116 | 160.940 | M6 |
| 3051 | 9529381.807 | 354683.916 | 159.736 | M5 |
| 3052 | 9529400.590 | 354692.329 | 158.920 | M4 |
| 3053 | 9529418.632 | 354700.108 | 158.018 | M3 |
| 3054 | 9529437.407 | 354708.813 | 156.734 | M2 |
| 3055 | 9529455.569 | 354716.025 | 156.751 | M1 |
| 3072 | 9529462.531 | 354697.895 | 154.353 | M1 |
| 3073 | 9529443.479 | 354690.615 | 156.077 | M2 |
| 3074 | 9529423.461 | 354682.728 | 156.928 | M3 |
| 3075 | 9529404.018 | 354674.481 | 157.806 | M4 |
| 3076 | 9529384.316 | 354666.103 | 158.961 | M5 |
| 3077 | 9529365.082 | 354657.921 | 159.689 | M6 |
| 3078 | 9529345.120 | 354650.125 | 159.160 | M7 |
| 3080 | 9529350.272 | 354628.599 | 158.225 | M7 |
| 3081 | 9529371.368 | 354637.141 | 158.787 | M6 |
| 3082 | 9529392.331 | 354646.211 | 157.779 | M5 |
| 3083 | 9529411.716 | 354654.761 | 156.872 | M4 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3084 | 9529432.478 | 354663.413 | 156.990 | M3 |
| 3085 | 9529452.147 | 354671.842 | 154.897 | M2 |
| 3086 | 9529470.952 | 354679.600 | 153.997 | M1 |
| 3099 | 9529478.805 | 354661.305 | 152.413 | M1 |
| 3100 | 9529460.166 | 354653.393 | 153.198 | M2 |
| 3101 | 9529441.062 | 354645.635 | 155.008 | M3 |
| 3102 | 9529421.672 | 354637.227 | 155.431 | M4 |
| 3103 | 9529401.921 | 354628.354 | 156.324 | M5 |
| 3104 | 9529384.034 | 354620.035 | 157.292 | M6 |
| 3105 | 9529365.065 | 354613.276 | 157.516 | M7 |
| 3106 | 9529346.412 | 354605.392 | 156.256 | M8 |
| 3107 | 9529354.518 | 354584.420 | 155.701 | M8 |
| 3108 | 9529369.854 | 354592.810 | 156.729 | M7 |
| 3109 | 9529388.124 | 354603.006 | 157.192 | M6 |
| 3110 | 9529409.772 | 354611.431 | 156.502 | M5 |
| 3111 | 9529430.670 | 354620.265 | 155.663 | M4 |
| 3112 | 9529448.826 | 354627.732 | 154.624 | M3 |
| 3113 | 9529467.866 | 354635.930 | 153.683 | M2 |
| 3114 | 9529487.828 | 354643.806 | 152.145 | M1 |
| 3133 | 9529494.945 | 354624.747 | 152.360 | M1 |
| 3134 | 9529476.472 | 354617.262 | 153.711 | M2 |
| 3135 | 9529457.572 | 354608.988 | 155.159 | M3 |
| 3136 | 9529437.972 | 354600.753 | 155.996 | M4 |
| 3137 | 9529418.022 | 354591.989 | 156.525 | M5 |
| 3138 | 9529397.718 | 354583.370 | 157.341 | M6 |
| 3139 | 9529377.900 | 354575.129 | 156.546 | M7 |
| 3140 | 9529364.943 | 354569.449 | 155.650 | M8 |
| 3141 | 9529371.670 | 354551.531 | 155.653 | M8 |
| 3142 | 9529385.620 | 354556.648 | 156.137 | M7 |
| 3143 | 9529405.230 | 354564.466 | 156.191 | M6 |
| 3144 | 9529424.616 | 354573.045 | 155.655 | M5 |
| 3145 | 9529443.822 | 354581.668 | 155.112 | M4 |
| 3146 | 9529463.723 | 354589.745 | 154.406 | M3 |
| 3147 | 9529483.214 | 354598.269 | 153.567 | M2 |
| 3148 | 9529502.036 | 354606.242 | 152.335 | M1 |
| 3165 | 9529488.176 | 354580.127 | 154.000 | M2 |
| 3166 | 9529469.499 | 354573.290 | 154.119 | M3 |
| 3167 | 9529449.663 | 354565.829 | 154.474 | M4 |
| 3168 | 9529429.357 | 354558.633 | 154.920 | M5 |
| 3169 | 9529408.971 | 354551.436 | 155.398 | M6 |
| 3170 | 9529389.069 | 354543.559 | 155.529 | M7 |
| 3171 | 9529369.161 | 354536.422 | 155.018 | M8 |
| 3172 | 9529404.431 | 354523.650 | 154.369 | M7 |
| 3173 | 9529423.016 | 354530.724 | 154.849 | M6 |
| 3174 | 9529442.106 | 354538.714 | 154.693 | M5 |
| 3175 | 9529462.372 | 354546.597 | 154.690 | M4 |
| 3176 | 9529481.545 | 354554.670 | 154.358 | M3 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3177 | 9529517.305 | 354569.081 | 150.561 | M1 |
| 3194 | 9529525.626 | 354550.743 | 152.763 | M1 |
| 3195 | 9529518.550 | 354547.743 | 151.597 | PC |
| 3196 | 9529507.696 | 354542.886 | 152.486 | M2 |
| 3197 | 9529489.757 | 354534.171 | 151.848 | M3 |
| 3199 | 9529471.424 | 354527.450 | 151.517 | M4 |
| 3200 | 9529452.933 | 354519.670 | 153.371 | M5 |
| 3201 | 9529433.823 | 354512.031 | 154.185 | M6 |
| 3202 | 9529414.907 | 354503.846 | 154.122 | M7 |
| 3203 | 9529396.604 | 354495.848 | 152.649 | M8 |
| 3204 | 9529403.030 | 354481.034 | 152.775 | M2 |
| 3205 | 9529438.241 | 354493.501 | 152.767 | M3 |
| 3207 | 9529475.951 | 354508.275 | 152.696 | M4 |
| 3208 | 9529495.649 | 354516.159 | 153.106 | M5 |
| 3209 | 9529515.064 | 354524.540 | 153.563 | M6 |
| 3224 | 9529540.858 | 354514.079 | 155.237 | M1 |
| 3225 | 9529522.659 | 354506.280 | 154.139 | M2 |
| 3226 | 9529503.394 | 354498.493 | 154.137 | M3 |
| 3227 | 9529484.129 | 354491.001 | 152.878 | M4 |
| 3228 | 9529465.062 | 354483.930 | 151.051 | M5 |
| 3229 | 9529446.507 | 354476.108 | 152.611 | M6 |
| 3230 | 9529427.368 | 354467.464 | 154.312 | M7 |
| 3231 | 9529411.000 | 354460.959 | 155.103 | M8 |
| 3232 | 9529419.866 | 354441.346 | 153.404 | M8 |
| 3233 | 9529438.710 | 354449.968 | 152.304 | M7 |
| 3234 | 9529457.664 | 354456.347 | 151.686 | M6 |
| 3235 | 9529474.778 | 354464.226 | 154.380 | M5 |
| 3236 | 9529493.364 | 354471.571 | 152.498 | M4 |
| 3237 | 9529512.158 | 354480.075 | 154.076 | M3 |
| 3238 | 9529530.838 | 354487.966 | 154.962 | M2 |
| 3239 | 9529548.937 | 354495.837 | 156.657 | M1 |
| 3255 | 9529556.407 | 354477.298 | 157.798 | M1 |
| 3256 | 9529537.657 | 354469.577 | 156.017 | M2 |
| 3257 | 9529519.531 | 354461.616 | 154.174 | M3 |
| 3258 | 9529481.820 | 354444.824 | 154.900 | M5 |
| 3259 | 9529462.653 | 354435.660 | 155.059 | M6 |
| 3260 | 9529443.996 | 354427.636 | 152.487 | M7 |
| 3261 | 9529432.586 | 354403.520 | 154.808 | M7 |
| 3262 | 9529470.751 | 354420.078 | 154.933 | M6 |
| 3263 | 9529490.080 | 354427.532 | 153.544 | M5 |
| 3264 | 9529508.727 | 354435.921 | 153.128 | M4 |
| 3265 | 9529527.737 | 354443.733 | 154.519 | M3 |
| 3266 | 9529546.182 | 354451.472 | 156.930 | M2 |
| 3267 | 9529564.104 | 354458.906 | 158.825 | M1 |
| 3282 | 9529571.993 | 354440.459 | 159.322 | M1 |
| 3283 | 9529554.461 | 354433.171 | 157.844 | M2 |
| 3284 | 9529536.336 | 354425.650 | 155.248 | M3 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 3285 | 9529517.411 | 354417.567 | 153.920 | M4 |
| 3286 | 9529499.170 | 354409.787 | 153.798 | M5 |
| 3287 | 9529479.391 | 354400.935 | 155.116 | M6 |
| 3288 | 9529460.688 | 354391.761 | 155.739 | M7 |
| 3289 | 9529441.316 | 354382.474 | 155.166 | M8 |
| 3290 | 9529446.210 | 354365.314 | 157.065 | M8 |
| 3291 | 9529465.171 | 354373.219 | 157.240 | M7 |
| 3292 | 9529485.807 | 354381.697 | 155.811 | M6 |
| 3293 | 9529504.474 | 354390.109 | 155.454 | M5 |
| 3294 | 9529523.651 | 354398.087 | 154.451 | M4 |
| 3295 | 9529542.066 | 354406.215 | 154.895 | M3 |
| 3296 | 9529560.869 | 354414.428 | 156.559 | M2 |
| 3297 | 9529579.482 | 354421.948 | 159.548 | M1 |
| 3313 | 9529587.952 | 354403.865 | 157.807 | M1 |
| 3314 | 9529568.087 | 354395.530 | 155.028 | M2 |
| 3315 | 9529549.240 | 354387.903 | 155.380 | M3 |
| 3316 | 9529531.212 | 354380.026 | 158.076 | M4 |
| 3317 | 9529511.715 | 354372.283 | 158.140 | M5 |
| 3318 | 9529492.541 | 354364.629 | 157.249 | M6 |
| 3319 | 9529472.446 | 354357.755 | 158.469 | M7 |
| 3320 | 9529466.003 | 354329.205 | 161.130 | M8 |
| 3321 | 9529482.489 | 354336.264 | 160.854 | M7 |
| 3322 | 9529501.178 | 354344.433 | 158.695 | M6 |
| 3323 | 9529520.658 | 354352.784 | 159.903 | M5 |
| 3324 | 9529540.556 | 354361.130 | 160.572 | M4 |
| 3325 | 9529559.123 | 354369.303 | 159.412 | M3 |
| 3326 | 9529577.528 | 354377.625 | 157.607 | M2 |
| 3327 | 9529591.965 | 354384.474 | 155.836 | PC |
| 3328 | 9529595.864 | 354385.704 | 157.191 | M1 |
| 3345 | 9529602.905 | 354367.119 | 158.970 | M1 |
| 3346 | 9529585.544 | 354359.770 | 158.997 | M2 |
| 3347 | 9529565.969 | 354351.844 | 161.609 | M3 |
| 3348 | 9529546.904 | 354343.624 | 161.796 | M4 |
| 3349 | 9529527.631 | 354335.256 | 161.388 | M5 |
| 3350 | 9529509.231 | 354328.025 | 159.962 | M6 |
| 3351 | 9529490.611 | 354319.546 | 161.308 | M7 |
| 3352 | 9529475.185 | 354312.470 | 162.474 | M8 |
| 3353 | 9529531.925 | 354305.359 | 163.264 | M6 |
| 3354 | 9529548.118 | 354312.337 | 163.631 | M5 |
| 3355 | 9529564.460 | 354319.282 | 162.767 | M4 |
| 3356 | 9529581.536 | 354326.577 | 161.477 | M3 |
| 3357 | 9529598.354 | 354333.750 | 159.247 | M2 |
| 3358 | 9529614.190 | 354340.471 | 160.674 | M1 |
| 3375 | 9529622.146 | 354322.327 | 161.565 | M1 |
| 3376 | 9529606.787 | 354315.751 | 159.763 | M2 |
| 3377 | 9529591.277 | 354309.587 | 161.326 | M3 |
| 3378 | 9529576.028 | 354303.152 | 162.999 | M4 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 3379 | 9529560.737 | 354296.846 | 164.255 | M5 |
| 3380 | 9529544.991 | 354290.442 | 164.803 | M6 |
| 3381 | 9529528.676 | 354283.460 | 165.222 | M7 |
| 3382 | 9529510.744 | 354276.294 | 165.087 | M8 |
| 3383 | 9529515.901 | 354254.904 | 167.186 | M8 |
| 3384 | 9529534.019 | 354263.101 | 166.361 | M7 |
| 3385 | 9529549.476 | 354269.870 | 165.893 | M6 |
| 3386 | 9529566.540 | 354276.321 | 165.324 | M5 |
| 3387 | 9529582.465 | 354283.637 | 163.421 | M4 |
| 3388 | 9529598.534 | 354290.634 | 161.660 | M3 |
| 3389 | 9529614.489 | 354297.313 | 160.426 | M2 |
| 3390 | 9529629.794 | 354304.012 | 161.898 | M1 |
| 3407 | 9529637.669 | 354285.601 | 161.310 | M1 |
| 3408 | 9529621.879 | 354278.713 | 161.803 | M2 |
| 3409 | 9529605.815 | 354271.606 | 161.854 | M3 |
| 3410 | 9529589.491 | 354264.668 | 162.668 | M4 |
| 3411 | 9529573.676 | 354257.412 | 163.714 | M5 |
| 3412 | 9529557.287 | 354250.421 | 164.716 | M6 |
| 3413 | 9529542.009 | 354243.743 | 166.330 | M7 |
| 3414 | 9529525.605 | 354236.618 | 167.784 | M8 |
| 3415 | 9529534.923 | 354220.126 | 168.097 | M8 |
| 3416 | 9529550.075 | 354226.742 | 166.144 | M7 |
| 3417 | 9529566.200 | 354233.806 | 163.909 | M6 |
| 3418 | 9529582.189 | 354240.355 | 163.653 | M5 |
| 3419 | 9529598.278 | 354247.112 | 162.696 | M4 |
| 3420 | 9529614.520 | 354254.087 | 163.070 | M3 |
| 3421 | 9529630.124 | 354260.682 | 162.870 | M2 |
| 3422 | 9529645.232 | 354267.126 | 162.371 | M1 |
| 3439 | 9529653.324 | 354248.911 | 163.606 | M1 |
| 3440 | 9529637.622 | 354241.860 | 163.917 | M2 |
| 3441 | 9529622.131 | 354235.613 | 164.488 | M3 |
| 3442 | 9529606.988 | 354228.412 | 164.883 | M4 |
| 3443 | 9529591.318 | 354221.541 | 164.904 | M5 |
| 3444 | 9529575.433 | 354214.822 | 165.247 | M6 |
| 3445 | 9529559.554 | 354208.284 | 165.935 | M7 |
| 3446 | 9529543.333 | 354201.111 | 165.201 | M8 |
| 3447 | 9529553.966 | 354185.352 | 167.613 | M8 |
| 3448 | 9529568.965 | 354192.298 | 167.518 | M7 |
| 3449 | 9529583.715 | 354198.531 | 167.219 | M6 |
| 3450 | 9529599.630 | 354205.404 | 166.769 | M5 |
| 3451 | 9529615.016 | 354211.218 | 167.187 | M4 |
| 3452 | 9529630.430 | 354217.709 | 165.889 | M3 |
| 3453 | 9529645.991 | 354224.255 | 165.310 | M2 |
| 3454 | 9529661.712 | 354230.752 | 165.605 | M1 |
| 3471 | 9529668.894 | 354212.163 | 167.002 | M1 |
| 3472 | 9529652.133 | 354204.840 | 167.609 | M2 |
| 3473 | 9529636.944 | 354198.195 | 166.661 | M3 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3474 | 9529622.797 | 354192.553 | 168.851 | M4 |
| 3475 | 9529608.122 | 354186.178 | 169.559 | M5 |
| 3476 | 9529592.141 | 354178.821 | 170.358 | M6 |
| 3477 | 9529577.312 | 354172.270 | 169.574 | M7 |
| 3478 | 9529561.574 | 354165.495 | 169.712 | M8 |
| 3479 | 9529567.241 | 354148.031 | 171.440 | M8 |
| 3480 | 9529582.453 | 354154.286 | 172.175 | M7 |
| 3481 | 9529598.109 | 354160.509 | 172.014 | M6 |
| 3482 | 9529614.248 | 354167.467 | 171.587 | M5 |
| 3483 | 9529629.947 | 354173.978 | 169.864 | M4 |
| 3484 | 9529645.555 | 354180.818 | 169.889 | M3 |
| 3485 | 9529660.326 | 354186.881 | 169.150 | M2 |
| 3486 | 9529676.700 | 354193.864 | 167.868 | M1 |
| 3503 | 9529684.332 | 354175.446 | 167.826 | M1 |
| 3504 | 9529669.061 | 354168.735 | 168.329 | M2 |
| 3505 | 9529654.760 | 354162.528 | 170.152 | M3 |
| 3506 | 9529638.365 | 354155.627 | 171.200 | M4 |
| 3507 | 9529622.244 | 354148.290 | 171.816 | M5 |
| 3508 | 9529605.108 | 354141.171 | 172.891 | M6 |
| 3509 | 9529589.173 | 354134.590 | 173.520 | M7 |
| 3510 | 9529573.315 | 354127.737 | 173.700 | M8 |
| 3511 | 9529583.481 | 354111.606 | 174.057 | M8 |
| 3512 | 9529598.958 | 354117.929 | 173.870 | M7 |
| 3513 | 9529615.103 | 354124.420 | 173.498 | M6 |
| 3514 | 9529630.946 | 354131.357 | 172.892 | M5 |
| 3515 | 9529646.067 | 354138.032 | 171.583 | M4 |
| 3516 | 9529661.684 | 354144.779 | 170.364 | M3 |
| 3517 | 9529677.204 | 354150.864 | 169.109 | M2 |
| 3518 | 9529692.164 | 354157.049 | 167.331 | M1 |
| 3533 | 9529700.116 | 354138.750 | 167.729 | M1 |
| 3534 | 9529684.693 | 354132.040 | 168.480 | M2 |
| 3535 | 9529669.027 | 354124.817 | 169.907 | M3 |
| 3536 | 9529653.366 | 354118.775 | 171.485 | M4 |
| 3537 | 9529638.877 | 354112.980 | 172.400 | M5 |
| 3538 | 9529623.416 | 354106.587 | 173.618 | M6 |
| 3539 | 9529607.478 | 354099.393 | 174.202 | M7 |
| 3540 | 9529590.275 | 354091.791 | 174.452 | M8 |
| 3541 | 9529605.785 | 354079.701 | 174.629 | M7 |
| 3542 | 9529624.898 | 354086.122 | 173.009 | M6 |
| 3543 | 9529642.399 | 354093.850 | 172.070 | M5 |
| 3544 | 9529658.869 | 354100.336 | 171.050 | M4 |
| 3545 | 9529675.644 | 354106.915 | 170.013 | M3 |
| 3546 | 9529691.537 | 354113.777 | 168.360 | M2 |
| 3547 | 9529708.049 | 354120.290 | 168.206 | M1 |
| 3564 | 9529715.682 | 354101.945 | 169.326 | M1 |
| 3565 | 9529697.129 | 354094.388 | 169.678 | M2 |
| 3566 | 9529678.547 | 354086.180 | 169.283 | M3 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3567 | 9529659.958 | 354077.999 | 170.793 | M4 |
| 3568 | 9529641.935 | 354070.596 | 172.326 | M5 |
| 3569 | 9529622.990 | 354062.836 | 173.559 | M6 |
| 3570 | 9529603.841 | 354054.570 | 174.939 | M7 |
| 3571 | 9529588.193 | 354045.943 | 175.342 | M8 |
| 3572 | 9529601.912 | 354031.361 | 175.406 | M8 |
| 3573 | 9529617.618 | 354040.581 | 174.789 | M8 |
| 3574 | 9529636.963 | 354049.010 | 173.929 | M7 |
| 3575 | 9529653.728 | 354055.539 | 172.586 | M6 |
| 3576 | 9529668.075 | 354060.900 | 170.963 | M5 |
| 3577 | 9529681.250 | 354066.478 | 170.781 | M4 |
| 3578 | 9529694.609 | 354071.609 | 171.239 | M3 |
| 3579 | 9529708.388 | 354077.317 | 171.343 | M2 |
| 3580 | 9529723.932 | 354083.355 | 172.705 | M1 |
| 3597 | 9529731.654 | 354064.965 | 173.445 | M1 |
| 3598 | 9529704.883 | 354053.780 | 173.223 | M2 |
| 3599 | 9529686.170 | 354045.629 | 172.296 | M3 |
| 3600 | 9529667.665 | 354037.749 | 171.932 | M4 |
| 3601 | 9529649.649 | 354030.541 | 173.328 | M5 |
| 3602 | 9529631.582 | 354022.641 | 174.765 | M6 |
| 3603 | 9529613.783 | 354015.250 | 175.731 | M7 |
| 3604 | 9529599.435 | 354009.640 | 176.176 | M8 |
| 3607 | 9529620.877 | 353995.481 | 176.942 | M8 |
| 3608 | 9529639.503 | 354003.653 | 176.073 | M7 |
| 3609 | 9529657.558 | 354011.130 | 174.597 | M6 |
| 3610 | 9529674.531 | 354018.347 | 173.251 | M5 |
| 3611 | 9529690.595 | 354025.906 | 174.091 | M4 |
| 3612 | 9529707.189 | 354033.029 | 174.072 | M3 |
| 3613 | 9529723.406 | 354039.973 | 174.900 | M2 |
| 3614 | 9529739.292 | 354046.500 | 174.885 | M1 |
| 3631 | 9529746.445 | 354028.244 | 177.731 | M1 |
| 3632 | 9529732.682 | 354022.347 | 177.104 | M2 |
| 3633 | 9529714.904 | 354014.214 | 176.610 | M3 |
| 3634 | 9529697.144 | 354006.900 | 174.924 | M4 |
| 3635 | 9529677.459 | 353999.008 | 174.099 | M5 |
| 3636 | 9529660.113 | 353991.406 | 175.205 | M6 |
| 3637 | 9529641.737 | 353984.210 | 176.602 | M7 |
| 3638 | 9529622.914 | 353976.274 | 177.541 | M8 |
| 3640 | 9529637.014 | 353960.906 | 177.626 | M8 |
| 3641 | 9529656.884 | 353969.138 | 175.964 | M7 |
| 3642 | 9529677.499 | 353978.497 | 174.895 | M6 |
| 3643 | 9529695.535 | 353986.762 | 176.479 | M5 |
| 3644 | 9529711.073 | 353992.300 | 178.184 | M4 |
| 3645 | 9529725.700 | 353998.643 | 179.615 | M3 |
| 3646 | 9529741.518 | 354005.239 | 179.545 | M2 |
| 3647 | 9529754.716 | 354010.406 | 180.442 | M1 |
| 3663 | 9529762.389 | 353992.652 | 184.540 | M1 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3664 | 9529729.167 | 353978.096 | 181.661 | M3 |
| 3665 | 9529711.153 | 353971.050 | 179.918 | M4 |
| 3666 | 9529693.957 | 353963.379 | 177.794 | M5 |
| 3667 | 9529676.256 | 353955.944 | 176.651 | M6 |
| 3668 | 9529655.463 | 353947.623 | 176.984 | M7 |
| 3669 | 9529636.794 | 353939.779 | 178.184 | M8 |
| 3670 | 9529643.583 | 353920.392 | 178.841 | M8 |
| 3671 | 9529661.176 | 353927.916 | 177.864 | M7 |
| 3672 | 9529680.793 | 353935.765 | 178.720 | M6 |
| 3673 | 9529699.051 | 353944.452 | 179.011 | M5 |
| 3674 | 9529717.355 | 353952.421 | 182.223 | M4 |
| 3675 | 9529751.482 | 353966.572 | 187.248 | M2 |
| 3676 | 9529769.980 | 353974.424 | 189.366 | M1 |
| 3692 | 9529777.797 | 353956.577 | 192.083 | M1 |
| 3693 | 9529760.593 | 353949.313 | 190.422 | M2 |
| 3694 | 9529744.341 | 353941.699 | 187.956 | M3 |
| 3695 | 9529711.629 | 353928.797 | 182.319 | M5 |
| 3696 | 9529695.154 | 353922.214 | 180.519 | M6 |
| 3697 | 9529676.546 | 353914.626 | 180.525 | M7 |
| 3698 | 9529658.006 | 353907.430 | 179.229 | M8 |
| 3699 | 9529667.038 | 353890.554 | 181.306 | M8 |
| 3700 | 9529684.716 | 353897.746 | 183.207 | M7 |
| 3701 | 9529702.972 | 353904.223 | 184.386 | M6 |
| 3702 | 9529719.646 | 353911.281 | 184.929 | M5 |
| 3703 | 9529737.548 | 353918.457 | 188.264 | M4 |
| 3704 | 9529754.612 | 353925.646 | 190.674 | M3 |
| 3705 | 9529771.070 | 353932.452 | 192.946 | M2 |
| 3706 | 9529785.582 | 353938.638 | 195.203 | M1 |
| 3723 | 9529794.003 | 353918.338 | 198.710 | M1 |
| 3724 | 9529777.069 | 353911.321 | 195.445 | M2 |
| 3725 | 9529760.633 | 353904.338 | 192.000 | M3 |
| 3726 | 9529743.825 | 353897.121 | 189.112 | M4 |
| 3727 | 9529725.825 | 353889.618 | 186.879 | M5 |
| 3728 | 9529707.245 | 353881.601 | 186.241 | M6 |
| 3729 | 9529689.133 | 353874.208 | 184.454 | M7 |
| 3730 | 9529672.657 | 353867.147 | 182.722 | M8 |
| 3731 | 9529276.295 | 355271.448 | 161.369 | M8 |
| 3732 | 9529296.814 | 355270.125 | 161.029 | M7 |
| 3733 | 9529316.842 | 355268.785 | 160.666 | M6 |
| 3734 | 9529337.182 | 355267.597 | 160.277 | M5 |
| 3735 | 9529357.459 | 355266.118 | 160.381 | M4 |
| 3736 | 9529377.629 | 355265.083 | 160.667 | M3 |
| 3737 | 9529397.529 | 355263.406 | 160.820 | M2 |
| 3738 | 9529417.468 | 355262.260 | 160.466 | M1 |
| 3739 | 9529418.723 | 355282.176 | 160.266 | M1 |
| 3740 | 9529426.669 | 355381.824 | 161.848 | M1 |
| 3741 | 9529409.802 | 355382.917 | 162.704 | M2 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 3742 | 9529393.433 | 355384.018 | 163.623 | M3 |
| 3743 | 9529377.333 | 355384.960 | 163.915 | M4 |
| 3744 | 9529360.362 | 355386.108 | 164.339 | M5 |
| 3745 | 9529343.023 | 355387.081 | 165.008 | M6 |
| 3746 | 9529326.080 | 355388.063 | 165.799 | M7 |
| 3747 | 9529307.509 | 355389.315 | 166.466 | M8 |
| 3756 | 9529193.164 | 356074.614 | 180.233 | M4 |
| 3757 | 9529195.472 | 356045.618 | 180.080 | M5 |
| 3758 | 9529180.025 | 356058.589 | 180.457 | M5 |
| 3759 | 9529182.987 | 356030.571 | 180.108 | M6 |
| 3760 | 9529167.661 | 356043.740 | 180.565 | M6 |
| 3761 | 9529170.357 | 356014.820 | 180.198 | M7 |
| 3762 | 9529154.783 | 356027.978 | 180.588 | M7 |
| 3763 | 9529158.093 | 355999.792 | 180.167 | M8 |
| 3764 | 9529142.263 | 356012.768 | 180.448 | M8 |
| 3765 | 9529265.134 | 355909.266 | 175.215 | M8 |
| 3766 | 9529249.958 | 355922.451 | 175.874 | M3 |
| 3767 | 9529262.591 | 355938.436 | 176.123 | M4 |
| 3768 | 9529275.321 | 355954.050 | 176.231 | M5 |
| 3769 | 9529287.951 | 355969.312 | 176.260 | M6 |
| 3770 | 9529300.631 | 355984.796 | 176.699 | M7 |
| 3771 | 9529313.338 | 356000.138 | 176.974 | M8 |
| 3772 | 9529405.702 | 355079.403 | 151.260 | M1 |
| 3773 | 9529385.638 | 355080.253 | 151.421 | M2 |
| 3774 | 9529365.020 | 355082.791 | 151.694 | M3 |
| 3775 | 9529345.045 | 355085.131 | 153.039 | M4 |
| 3776 | 9529320.796 | 355063.292 | 152.034 | M5 |
| 3777 | 9529321.480 | 355085.364 | 153.247 | M5 |
| 3778 | 9529299.243 | 355067.435 | 153.087 | M6 |
| 3779 | 9529299.753 | 355088.579 | 153.270 | M6 |
| 3780 | 9529279.512 | 355070.206 | 151.584 | M7 |
| 3781 | 9529279.690 | 355091.206 | 152.324 | M7 |
| 3782 | 9529396.956 | 354860.669 | 168.215 | M1 |
| 3783 | 9529378.679 | 354850.344 | 168.769 | M2 |
| 3784 | 9529375.174 | 354864.628 | 167.562 | M2 |
| 3785 | 9529360.002 | 354841.013 | 168.282 | M3 |
| 3786 | 9529357.104 | 354854.206 | 167.150 | M3 |
| 3787 | 9529354.206 | 354867.398 | 166.019 | M3 |
| 3788 | 9529341.036 | 354831.812 | 168.358 | M4 |
| 3789 | 9529338.350 | 354844.264 | 166.997 | M4 |
| 3790 | 9529335.665 | 354856.716 | 165.637 | M4 |
| 3791 | 9529332.979 | 354869.168 | 164.276 | M4 |
| 3792 | 9529320.993 | 354823.604 | 169.435 | M5 |
| 3793 | 9529318.470 | 354835.622 | 168.274 | M5 |
| 3794 | 9529315.948 | 354847.639 | 167.113 | M5 |
| 3795 | 9529313.425 | 354859.657 | 165.953 | M5 |
| 3796 | 9529310.902 | 354871.674 | 164.792 | M5 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 3797 | 9529295.507 | 354844.213 | 168.153 | M6 |
| 3798 | 9529292.427 | 354857.984 | 167.015 | M6 |
| 3799 | 9529289.348 | 354871.754 | 165.877 | M6 |
| 3800 | 9529301.665 | 354816.672 | 170.229 | M6 |
| 3801 | 9529298.586 | 354830.443 | 169.201 | M6 |
| 3802 | 9529294.313 | 354948.655 | 161.851 | M6 |
| 3803 | 9529277.038 | 354952.750 | 159.549 | M7 |
| 3804 | 9529256.580 | 354956.390 | 158.493 | M8 |
| 3805 | 9529251.125 | 354933.185 | 159.437 | M8 |
| 3806 | 9529247.033 | 354914.076 | 161.068 | M8 |
| 3807 | 9529297.495 | 354985.964 | 157.925 | M6 |
| 3808 | 9529275.674 | 354985.054 | 155.976 | M7 |
| 3809 | 9529259.308 | 354985.509 | 154.867 | M8 |
| 3810 | 9529297.950 | 355006.894 | 154.503 | M6 |
| 3811 | 9529276.583 | 355007.349 | 153.148 | M7 |
| 3812 | 9529259.762 | 355008.259 | 152.628 | M8 |
| 3836 | 9529316.790 | 355597.636 | 169.550 | PC |
| 3837 | 9529316.049 | 355575.400 | 168.641 | PC |
| 3880 | 9528164.971 | 356995.937 | 179.627 | M8 |
| 3881 | 9528182.499 | 357008.264 | 180.644 | M7 |
| 3882 | 9528202.395 | 357024.858 | 181.844 | M6 |
| 3883 | 9528218.028 | 357040.029 | 182.756 | M5 |
| 3894 | 9528572.317 | 356630.887 | 177.269 | M5 |
| 3895 | 9528573.507 | 356603.498 | 175.484 | M6 |
| 3896 | 9528557.444 | 356618.681 | 176.459 | M6 |
| 3897 | 9528533.349 | 356575.216 | 174.029 | M8 |
| 3898 | 9528531.371 | 356646.823 | 177.726 | M6 |
| 3899 | 9528624.899 | 356570.467 | 177.283 | M5 |
| 3900 | 9528998.292 | 356126.117 | 181.733 | M8 |
| 3901 | 9529013.545 | 356117.053 | 181.775 | M8 |
| 3902 | 9529029.275 | 356102.265 | 181.553 | M8 |
| 3904 | 9529378.043 | 355926.130 | 177.156 | M4 |
| 3905 | 9529463.457 | 355936.121 | 180.317 | M1 |
| 3906 | 9529426.271 | 355644.940 | 176.142 | M2 |
| 4849 | 9529500.678 | 354297.920 | 163.198 | M8 |
| 4850 | 9529382.883 | 354516.135 | 153.833 | M8 |
| 5179 | 9528329.139 | 356811.989 | 182.703 | M8 |
| 5180 | 9528382.124 | 356752.528 | 184.782 | M8 |
| 5181 | 9528445.663 | 356712.067 | 185.124 | M7 |
| 5182 | 9528568.191 | 356570.188 | 173.974 | M7 |
| 5183 | 9528595.579 | 356540.286 | 173.561 | M7 |
| 5184 | 9528621.299 | 356485.367 | 173.934 | M8 |
| 5185 | 9528636.214 | 356469.777 | 175.090 | M8 |
| 5186 | 9528834.613 | 356267.104 | 183.647 | M8 |
| 5187 | 9528819.913 | 356279.307 | 183.654 | M8 |
| 5188 | 9529048.650 | 356088.742 | 181.375 | M8 |
| 5189 | 9529341.018 | 356001.718 | 177.524 | M2 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5190 | 9529382.911 | 355828.167 | 175.129 | M8 |
| 5191 | 9529420.553 | 355859.650 | 176.734 | M3 |
| 5192 | 9529436.930 | 355877.655 | 177.953 | M2 |
| 5193 | 9529439.290 | 355894.731 | 178.868 | M2 |
| 5194 | 9529315.014 | 355587.785 | 169.139 | M8 |
| 5195 | 9529316.975 | 355608.790 | 170.024 | M8 |
| 5196 | 9529312.477 | 355568.165 | 168.256 | M8 |
| 5197 | 9529305.865 | 355129.055 | 155.096 | M6 |
| 5198 | 9529284.250 | 355131.331 | 155.102 | M7 |
| 5199 | 9529298.848 | 355042.691 | 150.186 | M6 |
| 5200 | 9529279.895 | 355042.304 | 150.604 | M7 |
| 5201 | 9529295.603 | 354963.382 | 160.446 | M6 |
| 5202 | 9529393.698 | 354872.808 | 167.367 | M1 |
| 5203 | 9529372.769 | 354872.218 | 166.921 | M2 |
| 5204 | 9529330.513 | 354643.385 | 159.099 | M8 |
| 5205 | 9529336.392 | 354623.543 | 157.607 | M8 |
| 5206 | 9529509.716 | 354587.878 | 151.255 | M1 |
| 5207 | 9529501.461 | 354452.929 | 153.275 | M4 |
| 5208 | 9529455.004 | 354350.104 | 158.707 | M8 |
| 5209 | 9529520.757 | 354303.086 | 163.087 | M7 |
| 5210 | 9529747.682 | 353987.128 | 183.468 | M2 |
| 5211 | 9529735.975 | 353960.747 | 185.614 | M3 |
| 5212 | 9529727.214 | 353934.515 | 185.104 | M4 |
| 11528 | 9528658.470 | 356650.321 | 182.240 | M1 |
| SECÇÕES TRANSVERSAIS – JUSANTE | | | | |
| 219 | 9528254.476 | 357167.738 | 190.229 | H-D-B 183.M-11 |
| 220 | 9528270.643 | 357142.464 | 189.668 | M10-181+10 |
| 207 | 9529535.948 | 354885.232 | 160.208 | J6 |
| 254 | 9529544.188 | 355953.759 | 179.833 | J3 |
| 336 | 9528253.609 | 357166.471 | 189.723 | J1 |
| 337 | 9528268.516 | 357179.765 | 189.580 | J2 |
| 338 | 9528283.573 | 357193.116 | 189.186 | J3 |
| 339 | 9528298.447 | 357206.345 | 188.001 | J4 |
| 341 | 9528323.737 | 357228.840 | 186.891 | J6 |
| 342 | 9528335.041 | 357218.687 | 186.689 | J6 |
| 343 | 9528323.318 | 357208.373 | 187.359 | J5 |
| 344 | 9528308.443 | 357195.156 | 187.987 | J4 |
| 345 | 9528293.503 | 357181.785 | 188.654 | J3 |
| 346 | 9528278.569 | 357168.573 | 189.197 | J2 |
| 347 | 9528263.600 | 357155.312 | 189.604 | J1 |
| 366 | 9528290.079 | 357125.439 | 188.767 | J1 |
| 367 | 9528276.985 | 357140.419 | 189.286 | J1 |
| 368 | 9528291.773 | 357153.666 | 188.751 | J2 |
| 369 | 9528305.156 | 357138.806 | 188.552 | J2 |
| 370 | 9528319.908 | 357152.037 | 188.186 | J3 |
| 371 | 9528306.848 | 357166.986 | 188.285 | J3 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 372 | 9528321.771 | 357180.258 | 187.798 | J4 |
| 373 | 9528335.016 | 357165.287 | 187.377 | J4 |
| 374 | 9528349.816 | 357178.562 | 186.861 | J5 |
| 375 | 9528364.739 | 357191.744 | 186.413 | J6 |
| 376 | 9528349.667 | 357205.018 | 186.584 | J5 |
| 377 | 9528336.698 | 357193.511 | 187.132 | J6 |
| 378 | 9528378.246 | 357176.848 | 186.348 | J6 |
| 379 | 9528363.345 | 357163.497 | 186.519 | J5 |
| 380 | 9528348.414 | 357150.228 | 187.227 | J4 |
| 381 | 9528333.458 | 357136.963 | 187.663 | J3 |
| 382 | 9528318.609 | 357123.704 | 187.920 | J2 |
| 383 | 9528303.522 | 357110.344 | 187.963 | J1 |
| 424 | 9529590.652 | 354730.888 | 151.198 | J6 |
| 425 | 9529606.824 | 354737.223 | 152.969 | J7 |
| 426 | 9529623.005 | 354743.948 | 152.627 | J8 |
| 486 | 9529538.732 | 354621.661 | 153.888 | J1 |
| 487 | 9529554.499 | 354628.261 | 154.151 | J2 |
| 550 | 9528733.593 | 356716.803 | 180.068 | J8 |
| 782 | 9528944.415 | 356461.738 | 182.923 | J8 |
| 932 | 9528313.282 | 357219.476 | 187.914 | MARCO DE APOIO |
| 933 | 9529069.608 | 356331.857 | 181.930 | J8 |
| 950 | 9528329.927 | 357080.594 | 186.708 | J1 |
| 951 | 9528344.889 | 357093.822 | 186.942 | J2 |
| 952 | 9528359.813 | 357107.121 | 186.636 | J3 |
| 953 | 9528374.766 | 357120.443 | 186.487 | J4 |
| 954 | 9528389.772 | 357133.577 | 186.255 | J5 |
| 955 | 9528404.790 | 357146.849 | 185.870 | J6 |
| 956 | 9528417.827 | 357132.403 | 185.708 | J6 |
| 957 | 9528402.967 | 357118.996 | 186.057 | J5 |
| 958 | 9528387.920 | 357105.681 | 186.327 | J4 |
| 959 | 9528373.054 | 357092.303 | 186.547 | J3 |
| 960 | 9528358.143 | 357078.954 | 186.864 | J2 |
| 961 | 9528343.178 | 357065.622 | 186.342 | J1 |
| 978 | 9528356.394 | 357050.528 | 186.170 | J1 |
| 979 | 9528371.382 | 357063.934 | 186.041 | J2 |
| 980 | 9528386.312 | 357077.297 | 186.208 | J3 |
| 981 | 9528401.335 | 357090.380 | 186.017 | J4 |
| 982 | 9528416.500 | 357103.570 | 185.715 | J5 |
| 983 | 9528431.637 | 357116.764 | 185.577 | J6 |
| 984 | 9528444.908 | 357101.719 | 185.258 | J6 |
| 985 | 9528429.774 | 357088.599 | 185.603 | J5 |
| 986 | 9528414.771 | 357075.420 | 185.522 | J4 |
| 987 | 9528399.736 | 357062.162 | 185.468 | J3 |
| 988 | 9528384.651 | 357048.944 | 185.413 | J2 |
| 989 | 9528369.716 | 357035.708 | 185.305 | J1 |
| 1006 | 9528382.980 | 357020.671 | 185.119 | J1 |
| 1007 | 9528398.058 | 357033.982 | 185.222 | J2 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1008 | 9528412.959 | 357047.347 | 185.192 | J3 |
| 1009 | 9528427.888 | 357060.532 | 185.224 | J4 |
| 1010 | 9528442.767 | 357074.012 | 185.178 | J5 |
| 1011 | 9528457.738 | 357087.354 | 184.706 | J6 |
| 1012 | 9528471.505 | 357071.966 | 184.339 | J6 |
| 1013 | 9528456.489 | 357058.845 | 184.815 | J5 |
| 1014 | 9528441.252 | 357045.786 | 185.059 | J4 |
| 1015 | 9528426.256 | 357032.572 | 184.948 | J3 |
| 1016 | 9528411.239 | 357019.157 | 184.921 | J2 |
| 1017 | 9528396.444 | 357005.977 | 184.848 | J1 |
| 1034 | 9528409.687 | 356990.977 | 184.563 | J1 |
| 1035 | 9528424.607 | 357004.351 | 184.600 | J2 |
| 1036 | 9528439.573 | 357017.662 | 184.509 | J3 |
| 1037 | 9528454.539 | 357031.037 | 184.591 | J4 |
| 1038 | 9528469.515 | 357044.335 | 184.496 | J5 |
| 1039 | 9528484.782 | 357057.273 | 185.238 | J6 |
| 1040 | 9528512.770 | 357055.691 | 183.057 | J7 |
| 1041 | 9528497.784 | 357042.311 | 183.751 | J6 |
| 1042 | 9528482.768 | 357029.026 | 183.873 | J5 |
| 1043 | 9528467.859 | 357015.818 | 184.126 | J4 |
| 1044 | 9528452.758 | 357002.482 | 184.202 | J3 |
| 1045 | 9528437.807 | 356989.206 | 184.119 | J2 |
| 1046 | 9528422.865 | 356975.915 | 184.062 | J1 |
| 1063 | 9528436.245 | 356961.050 | 183.653 | J1 |
| 1064 | 9528451.215 | 356974.423 | 183.769 | J2 |
| 1065 | 9528466.231 | 356987.851 | 183.773 | J3 |
| 1066 | 9528481.188 | 357001.039 | 183.571 | J4 |
| 1067 | 9528496.243 | 357014.385 | 183.275 | J5 |
| 1068 | 9528511.281 | 357027.789 | 182.994 | J6 |
| 1069 | 9528526.391 | 357041.022 | 182.779 | J7 |
| 1070 | 9528539.603 | 357026.372 | 182.488 | J7 |
| 1071 | 9528524.563 | 357013.104 | 182.620 | J6 |
| 1072 | 9528509.534 | 356999.762 | 182.728 | J5 |
| 1073 | 9528494.535 | 356986.441 | 182.863 | J4 |
| 1074 | 9528479.623 | 356973.169 | 183.100 | J3 |
| 1075 | 9528464.584 | 356959.741 | 183.298 | J2 |
| 1076 | 9528449.523 | 356946.178 | 183.357 | J1 |
| 1092 | 9528462.773 | 356931.147 | 182.794 | J1 |
| 1093 | 9528477.810 | 356944.454 | 182.648 | J2 |
| 1094 | 9528492.891 | 356957.753 | 182.474 | J3 |
| 1095 | 9528507.889 | 356970.925 | 182.400 | J4 |
| 1096 | 9528522.863 | 356984.064 | 182.254 | J5 |
| 1097 | 9528537.963 | 356997.292 | 182.067 | J6 |
| 1098 | 9528552.930 | 357010.365 | 181.601 | J7 |
| 1099 | 9528565.566 | 356996.170 | 181.379 | J7 |
| 1100 | 9528550.736 | 356982.856 | 181.728 | J6 |
| 1101 | 9528535.776 | 356969.593 | 181.926 | J5 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1102 | 9528520.888 | 356956.137 | 182.059 | J4 |
| 1103 | 9528505.902 | 356942.870 | 182.153 | J3 |
| 1104 | 9528490.938 | 356929.518 | 182.361 | J2 |
| 1105 | 9528476.289 | 356916.293 | 182.525 | J1 |
| 1122 | 9528489.365 | 356901.261 | 182.297 | J1 |
| 1123 | 9528504.261 | 356914.420 | 182.186 | J2 |
| 1124 | 9528519.282 | 356927.824 | 181.972 | J3 |
| 1125 | 9528534.206 | 356941.008 | 181.666 | J4 |
| 1126 | 9528549.212 | 356954.361 | 181.521 | J5 |
| 1127 | 9528563.957 | 356967.761 | 181.333 | J6 |
| 1128 | 9528578.853 | 356981.087 | 180.819 | J7 |
| 1129 | 9528591.920 | 356966.510 | 179.470 | J7 |
| 1130 | 9528577.082 | 356952.842 | 180.781 | J6 |
| 1131 | 9528562.173 | 356939.577 | 181.025 | J5 |
| 1132 | 9528547.285 | 356926.213 | 181.761 | J4 |
| 1133 | 9528532.382 | 356912.942 | 181.693 | J3 |
| 1134 | 9528517.641 | 356899.587 | 181.956 | J2 |
| 1135 | 9528502.792 | 356886.326 | 182.078 | J1 |
| 1151 | 9528516.115 | 356871.442 | 181.468 | J1 |
| 1152 | 9528531.026 | 356884.802 | 181.431 | J2 |
| 1153 | 9528546.016 | 356898.042 | 181.194 | J3 |
| 1154 | 9528560.994 | 356911.434 | 181.049 | J4 |
| 1155 | 9528576.047 | 356924.617 | 179.987 | J5 |
| 1156 | 9528590.906 | 356937.961 | 180.065 | J6 |
| 1157 | 9528606.048 | 356951.040 | 179.918 | J7 |
| 1159 | 9528634.683 | 356948.235 | 180.698 | J8 |
| 1160 | 9528619.759 | 356934.972 | 180.068 | J7 |
| 1161 | 9528604.802 | 356921.733 | 179.001 | J6 |
| 1162 | 9528589.738 | 356908.545 | 179.020 | J5 |
| 1163 | 9528574.683 | 356895.260 | 180.655 | J4 |
| 1164 | 9528559.749 | 356882.074 | 180.641 | J3 |
| 1165 | 9528544.996 | 356868.909 | 180.640 | J2 |
| 1166 | 9528529.811 | 356855.552 | 180.459 | J1 |
| 1182 | 9528542.479 | 356841.366 | 181.253 | J1 |
| 1183 | 9528557.308 | 356854.380 | 180.571 | J2 |
| 1184 | 9528572.370 | 356867.665 | 179.978 | J3 |
| 1185 | 9528587.284 | 356880.855 | 179.712 | J4 |
| 1186 | 9528602.359 | 356894.003 | 179.486 | J5 |
| 1187 | 9528617.470 | 356906.909 | 179.807 | J6 |
| 1188 | 9528632.508 | 356920.095 | 180.138 | J7 |
| 1189 | 9528647.466 | 356933.092 | 180.973 | J8 |
| 1190 | 9528660.337 | 356918.696 | 181.182 | J8 |
| 1191 | 9528645.259 | 356905.568 | 180.401 | J7 |
| 1192 | 9528630.432 | 356892.447 | 179.521 | J6 |
| 1193 | 9528615.546 | 356879.197 | 179.354 | J5 |
| 1194 | 9528600.451 | 356865.976 | 178.158 | J4 |
| 1195 | 9528585.663 | 356852.790 | 179.569 | J3 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1196 | 9528570.631 | 356839.619 | 180.456 | J2 |
| 1197 | 9528555.776 | 356826.380 | 181.034 | J1 |
| 1211 | 9528569.103 | 356811.426 | 181.039 | J1 |
| 1212 | 9528583.953 | 356824.728 | 180.278 | J2 |
| 1213 | 9528598.904 | 356837.997 | 179.445 | J3 |
| 1214 | 9528613.769 | 356851.128 | 178.711 | J4 |
| 1215 | 9528628.798 | 356864.278 | 179.523 | J5 |
| 1216 | 9528643.945 | 356877.364 | 179.815 | J6 |
| 1217 | 9528659.058 | 356890.266 | 180.615 | J7 |
| 1218 | 9528674.489 | 356903.099 | 181.350 | J8 |
| 1219 | 9528687.018 | 356889.120 | 181.421 | J8 |
| 1220 | 9528672.005 | 356875.933 | 180.618 | J7 |
| 1221 | 9528657.010 | 356862.695 | 180.087 | J6 |
| 1222 | 9528641.836 | 356849.542 | 179.488 | J5 |
| 1223 | 9528626.994 | 356836.260 | 178.397 | J4 |
| 1224 | 9528612.148 | 356822.971 | 179.655 | J3 |
| 1225 | 9528597.243 | 356809.855 | 180.321 | J2 |
| 1226 | 9528582.292 | 356796.554 | 180.971 | J1 |
| 1241 | 9528595.586 | 356781.500 | 180.944 | J1 |
| 1242 | 9528610.679 | 356794.841 | 180.368 | J2 |
| 1243 | 9528625.572 | 356808.079 | 179.744 | J3 |
| 1244 | 9528640.765 | 356821.567 | 178.720 | J4 |
| 1245 | 9528655.532 | 356834.971 | 178.511 | J5 |
| 1246 | 9528670.339 | 356848.201 | 178.604 | J6 |
| 1247 | 9528685.194 | 356861.512 | 180.214 | J7 |
| 1248 | 9528699.996 | 356874.878 | 180.847 | J8 |
| 1249 | 9528709.270 | 356863.476 | 179.836 | J8 |
| 1250 | 9528695.929 | 356848.764 | 178.038 | J7 |
| 1251 | 9528668.750 | 356819.586 | 178.228 | J5 |
| 1252 | 9528653.986 | 356806.228 | 179.164 | J4 |
| 1253 | 9528638.937 | 356792.941 | 180.006 | J3 |
| 1254 | 9528623.970 | 356779.803 | 180.529 | J2 |
| 1255 | 9528609.031 | 356766.750 | 180.923 | J1 |
| 1270 | 9528622.141 | 356751.686 | 180.937 | J1 |
| 1271 | 9528637.070 | 356764.953 | 180.545 | J2 |
| 1272 | 9528652.037 | 356778.224 | 179.927 | J3 |
| 1273 | 9528667.108 | 356791.524 | 179.343 | J4 |
| 1274 | 9528682.193 | 356804.751 | 178.669 | J5 |
| 1275 | 9528697.326 | 356817.922 | 178.114 | J6 |
| 1276 | 9528712.362 | 356830.999 | 178.969 | J7 |
| 1277 | 9528727.608 | 356844.175 | 179.826 | J8 |
| 1278 | 9528740.224 | 356830.004 | 178.946 | J8 |
| 1279 | 9528725.261 | 356816.628 | 178.867 | J7 |
| 1280 | 9528710.320 | 356803.392 | 177.648 | J6 |
| 1281 | 9528695.283 | 356790.077 | 178.468 | J5 |
| 1282 | 9528680.351 | 356776.681 | 179.301 | J4 |
| 1283 | 9528665.376 | 356763.380 | 180.010 | J3 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1284 | 9528650.339 | 356750.040 | 180.626 | J2 |
| 1285 | 9528635.337 | 356736.762 | 181.034 | J1 |
| 1291 | 9529453.197 | 356013.896 | 178.064 | J2 |
| 1292 | 9529465.933 | 356029.402 | 177.247 | J3 |
| 1293 | 9529478.580 | 356044.785 | 176.489 | J4 |
| 1294 | 9529490.925 | 356059.783 | 176.306 | J5 |
| 1295 | 9529503.466 | 356075.243 | 175.990 | J6 |
| 1296 | 9529516.172 | 356090.654 | 175.702 | J7 |
| 1297 | 9529545.909 | 356093.676 | 175.747 | J8 |
| 1298 | 9529536.201 | 356081.387 | 176.138 | J7 |
| 1299 | 9529519.802 | 356062.555 | 176.627 | J6 |
| 1300 | 9529506.918 | 356047.141 | 176.908 | J5 |
| 1301 | 9529494.295 | 356032.111 | 177.372 | J4 |
| 1302 | 9529481.521 | 356016.751 | 177.849 | J3 |
| 1303 | 9529468.719 | 356001.148 | 178.450 | J2 |
| 1304 | 9529455.937 | 355985.944 | 178.964 | J1 |
| 1321 | 9529471.177 | 355972.854 | 179.439 | J1 |
| 1322 | 9529484.087 | 355988.392 | 178.854 | J2 |
| 1323 | 9529496.515 | 356003.621 | 178.363 | J3 |
| 1324 | 9529509.133 | 356018.814 | 177.930 | J4 |
| 1325 | 9529521.509 | 356033.979 | 177.500 | J5 |
| 1326 | 9529534.459 | 356049.601 | 177.039 | J6 |
| 1327 | 9529547.038 | 356065.046 | 176.404 | J7 |
| 1328 | 9529559.449 | 356080.053 | 176.019 | J8 |
| 1329 | 9529574.669 | 356066.918 | 175.553 | J8 |
| 1330 | 9529562.381 | 356051.793 | 176.227 | J7 |
| 1331 | 9529549.598 | 356036.459 | 176.977 | J6 |
| 1332 | 9529537.342 | 356021.487 | 177.846 | J5 |
| 1333 | 9529524.767 | 356006.349 | 178.604 | J4 |
| 1334 | 9529511.952 | 355990.846 | 178.981 | J3 |
| 1335 | 9529499.344 | 355975.497 | 179.486 | J2 |
| 1336 | 9529486.677 | 355960.323 | 179.831 | J1 |
| 1347 | 9529517.055 | 355876.400 | 181.886 | J1 |
| 1348 | 9529536.741 | 355874.928 | 181.169 | J2 |
| 1349 | 9529538.530 | 355892.485 | 182.182 | J3 |
| 1350 | 9529558.243 | 355889.981 | 182.765 | J4 |
| 1351 | 9529556.522 | 355873.770 | 182.337 | J3 |
| 1377 | 9529494.920 | 355837.712 | 177.962 | J1 |
| 1378 | 9529512.676 | 355836.699 | 177.915 | J2 |
| 1379 | 9529529.745 | 355835.418 | 178.426 | J3 |
| 1380 | 9529547.155 | 355834.706 | 178.996 | J4 |
| 1381 | 9529564.150 | 355833.524 | 180.009 | J5 |
| 1382 | 9529582.428 | 355832.466 | 181.841 | J6 |
| 1383 | 9529600.751 | 355831.365 | 183.590 | J7 |
| 1384 | 9529618.261 | 355830.194 | 185.194 | J8 |
| 1385 | 9529617.333 | 355808.743 | 183.419 | J8 |
| 1386 | 9529599.139 | 355810.152 | 182.988 | J7 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1387 | 9529581.837 | 355811.951 | 181.666 | J6 |
| 1388 | 9529563.951 | 355813.024 | 179.886 | J5 |
| 1389 | 9529546.565 | 355814.177 | 178.610 | J4 |
| 1390 | 9529528.889 | 355815.720 | 176.789 | J3 |
| 1391 | 9529511.173 | 355816.755 | 176.781 | J2 |
| 1392 | 9529493.633 | 355817.832 | 176.282 | J1 |
| 1408 | 9529492.442 | 355798.105 | 175.740 | J1 |
| 1409 | 9529508.944 | 355797.129 | 176.546 | J2 |
| 1410 | 9529525.973 | 355796.010 | 177.282 | J3 |
| 1411 | 9529542.436 | 355795.052 | 178.581 | J4 |
| 1412 | 9529559.112 | 355793.610 | 179.779 | J5 |
| 1413 | 9529576.980 | 355792.392 | 180.756 | J6 |
| 1414 | 9529594.091 | 355791.509 | 181.868 | J7 |
| 1415 | 9529609.860 | 355790.076 | 182.569 | J8 |
| 1416 | 9529615.155 | 355769.379 | 181.707 | J8 |
| 1417 | 9529597.346 | 355770.519 | 181.312 | J7 |
| 1418 | 9529578.724 | 355771.899 | 180.500 | J6 |
| 1419 | 9529561.152 | 355773.279 | 179.893 | J5 |
| 1420 | 9529543.487 | 355774.548 | 178.612 | J4 |
| 1421 | 9529525.721 | 355775.552 | 177.607 | J3 |
| 1422 | 9529508.335 | 355777.129 | 176.618 | J2 |
| 1423 | 9529491.077 | 355777.958 | 175.847 | J1 |
| 1441 | 9529489.797 | 355758.036 | 176.217 | J1 |
| 1442 | 9529506.607 | 355756.771 | 177.113 | J2 |
| 1443 | 9529522.594 | 355756.094 | 177.744 | J3 |
| 1444 | 9529539.522 | 355754.269 | 178.520 | J4 |
| 1445 | 9529556.954 | 355753.441 | 178.968 | J5 |
| 1446 | 9529574.781 | 355752.215 | 179.516 | J6 |
| 1447 | 9529591.673 | 355750.999 | 180.310 | J7 |
| 1448 | 9529608.775 | 355749.769 | 180.655 | J8 |
| 1449 | 9529615.744 | 355730.093 | 179.991 | J8 |
| 1450 | 9529597.249 | 355731.507 | 179.536 | J7 |
| 1451 | 9529578.144 | 355732.562 | 179.147 | J6 |
| 1452 | 9529559.583 | 355733.561 | 179.079 | J5 |
| 1453 | 9529540.736 | 355734.511 | 178.721 | J4 |
| 1454 | 9529522.752 | 355735.466 | 178.372 | J3 |
| 1455 | 9529505.603 | 355736.756 | 177.891 | J2 |
| 1456 | 9529488.473 | 355737.947 | 177.558 | J1 |
| 1473 | 9529487.078 | 355717.843 | 178.675 | J1 |
| 1474 | 9529505.026 | 355716.134 | 179.023 | J2 |
| 1475 | 9529521.626 | 355715.020 | 179.578 | J3 |
| 1476 | 9529538.736 | 355713.691 | 179.728 | J4 |
| 1477 | 9529555.381 | 355712.460 | 179.238 | J5 |
| 1478 | 9529572.894 | 355711.181 | 179.108 | J6 |
| 1479 | 9529592.297 | 355709.557 | 178.999 | J7 |
| 1480 | 9529613.073 | 355708.049 | 179.115 | J8 |
| 1481 | 9529610.323 | 355690.221 | 178.654 | J8 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1482 | 9529588.970 | 355691.541 | 178.722 | J7 |
| 1483 | 9529572.223 | 355692.642 | 179.040 | J6 |
| 1484 | 9529554.875 | 355693.723 | 180.042 | J5 |
| 1485 | 9529537.844 | 355694.421 | 180.456 | J4 |
| 1486 | 9529520.158 | 355695.956 | 180.248 | J3 |
| 1487 | 9529502.730 | 355696.904 | 179.968 | J2 |
| 1488 | 9529485.946 | 355698.034 | 179.438 | J1 |
| 1505 | 9529484.560 | 355677.979 | 179.304 | J1 |
| 1506 | 9529504.995 | 355676.574 | 180.276 | J2 |
| 1507 | 9529525.361 | 355675.493 | 180.799 | J3 |
| 1508 | 9529545.620 | 355674.290 | 180.741 | J4 |
| 1509 | 9529566.936 | 355673.132 | 179.040 | J5 |
| 1510 | 9529587.201 | 355671.347 | 178.390 | J6 |
| 1511 | 9529607.990 | 355670.055 | 178.081 | J7 |
| 1512 | 9529628.848 | 355667.854 | 178.176 | J8 |
| 1513 | 9529623.202 | 355648.812 | 177.519 | J8 |
| 1514 | 9529602.265 | 355650.339 | 177.233 | J7 |
| 1515 | 9529581.457 | 355651.722 | 178.077 | J6 |
| 1516 | 9529561.533 | 355652.922 | 178.967 | J5 |
| 1517 | 9529541.606 | 355653.870 | 179.986 | J4 |
| 1518 | 9529521.767 | 355655.664 | 180.417 | J3 |
| 1519 | 9529500.774 | 355657.301 | 179.803 | J2 |
| 1520 | 9529483.479 | 355658.091 | 179.195 | J1 |
| 1537 | 9529482.054 | 355638.146 | 178.972 | J1 |
| 1538 | 9529502.354 | 355636.879 | 179.696 | J2 |
| 1539 | 9529543.950 | 355633.682 | 178.790 | J4 |
| 1540 | 9529564.636 | 355632.220 | 177.940 | J5 |
| 1541 | 9529580.803 | 355630.865 | 177.660 | J6 |
| 1542 | 9529599.575 | 355629.419 | 176.799 | J7 |
| 1543 | 9529622.212 | 355627.481 | 176.933 | J8 |
| 1544 | 9529617.761 | 355615.033 | 176.072 | J8 |
| 1545 | 9529594.515 | 355615.679 | 176.451 | J7 |
| 1546 | 9529566.623 | 355616.516 | 177.576 | J6 |
| 1547 | 9529547.911 | 355616.854 | 178.166 | J5 |
| 1548 | 9529532.105 | 355617.232 | 178.947 | J4 |
| 1549 | 9529514.378 | 355617.687 | 178.650 | J3 |
| 1550 | 9529497.158 | 355617.826 | 178.674 | J2 |
| 1551 | 9529480.704 | 355618.614 | 178.216 | J1 |
| 1567 | 9529479.404 | 355598.235 | 176.686 | J1 |
| 1568 | 9529496.469 | 355597.352 | 177.508 | J2 |
| 1569 | 9529513.713 | 355595.802 | 177.923 | J3 |
| 1570 | 9529531.445 | 355594.698 | 177.923 | J4 |
| 1571 | 9529548.232 | 355593.662 | 177.649 | J5 |
| 1572 | 9529565.906 | 355592.380 | 177.205 | J6 |
| 1573 | 9529583.225 | 355590.895 | 176.445 | J7 |
| 1574 | 9529600.691 | 355590.366 | 175.331 | J8 |
| 1576 | 9529600.195 | 355570.935 | 175.316 | J8 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1577 | 9529582.610 | 355571.899 | 176.327 | J7 |
| 1578 | 9529566.117 | 355572.710 | 176.982 | J6 |
| 1579 | 9529548.230 | 355574.140 | 177.079 | J5 |
| 1580 | 9529529.866 | 355575.250 | 177.017 | J4 |
| 1581 | 9529511.923 | 355576.316 | 176.678 | J3 |
| 1582 | 9529494.699 | 355577.267 | 175.865 | J2 |
| 1583 | 9529478.251 | 355578.426 | 175.586 | J1 |
| 1598 | 9529476.695 | 355558.547 | 173.391 | J1 |
| 1599 | 9529494.260 | 355557.446 | 173.989 | J2 |
| 1600 | 9529511.997 | 355556.304 | 175.020 | J3 |
| 1601 | 9529528.830 | 355555.144 | 175.885 | J4 |
| 1602 | 9529546.028 | 355553.987 | 176.032 | J5 |
| 1603 | 9529563.238 | 355552.925 | 175.772 | J6 |
| 1604 | 9529579.458 | 355552.032 | 175.482 | J7 |
| 1605 | 9529597.346 | 355551.129 | 174.658 | J8 |
| 1606 | 9529597.283 | 355530.747 | 173.774 | J8 |
| 1607 | 9529579.872 | 355531.651 | 174.596 | J7 |
| 1608 | 9529562.917 | 355533.141 | 174.948 | J6 |
| 1609 | 9529545.093 | 355534.200 | 174.955 | J5 |
| 1610 | 9529526.791 | 355535.416 | 174.702 | J4 |
| 1611 | 9529509.206 | 355536.533 | 174.037 | J3 |
| 1612 | 9529491.758 | 355537.678 | 173.254 | J2 |
| 1613 | 9529475.724 | 355538.557 | 171.175 | J1 |
| 1630 | 9529473.851 | 355518.725 | 170.469 | J1 |
| 1631 | 9529490.887 | 355517.661 | 171.927 | J2 |
| 1632 | 9529507.944 | 355516.731 | 173.063 | J3 |
| 1633 | 9529524.427 | 355515.598 | 174.066 | J4 |
| 1634 | 9529541.359 | 355514.557 | 174.163 | J5 |
| 1635 | 9529559.294 | 355513.062 | 173.689 | J6 |
| 1636 | 9529576.832 | 355512.095 | 173.193 | J7 |
| 1637 | 9529594.022 | 355510.661 | 173.100 | J8 |
| 1638 | 9529589.227 | 355493.136 | 172.408 | J8 |
| 1639 | 9529571.750 | 355493.908 | 172.662 | J7 |
| 1640 | 9529554.863 | 355494.256 | 172.988 | J6 |
| 1641 | 9529539.327 | 355494.609 | 173.380 | J5 |
| 1642 | 9529522.746 | 355495.678 | 172.285 | J4 |
| 1643 | 9529505.423 | 355497.093 | 171.023 | J3 |
| 1644 | 9529488.878 | 355497.915 | 169.820 | J2 |
| 1645 | 9529472.737 | 355498.942 | 168.887 | J1 |
| 1661 | 9529471.601 | 355478.921 | 167.029 | J1 |
| 1662 | 9529489.207 | 355477.694 | 168.187 | J2 |
| 1663 | 9529505.045 | 355476.862 | 169.242 | J3 |
| 1664 | 9529521.330 | 355475.437 | 170.753 | J4 |
| 1665 | 9529538.667 | 355474.779 | 171.846 | J5 |
| 1666 | 9529555.296 | 355473.862 | 171.857 | J6 |
| 1667 | 9529572.598 | 355472.673 | 171.883 | J7 |
| 1668 | 9529589.856 | 355471.860 | 172.553 | J8 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1669 | 9529591.033 | 355451.635 | 173.173 | J8 |
| 1670 | 9529575.005 | 355452.266 | 172.079 | J7 |
| 1671 | 9529557.645 | 355453.602 | 171.215 | J6 |
| 1672 | 9529540.444 | 355454.701 | 171.194 | J5 |
| 1673 | 9529522.260 | 355455.945 | 170.025 | J4 |
| 1674 | 9529505.792 | 355456.740 | 168.053 | J3 |
| 1675 | 9529488.456 | 355458.148 | 166.989 | J2 |
| 1676 | 9529470.375 | 355458.996 | 165.820 | J1 |
| 1693 | 9529468.835 | 355438.989 | 164.587 | J1 |
| 1694 | 9529485.959 | 355437.956 | 165.326 | J2 |
| 1695 | 9529502.687 | 355436.938 | 166.379 | J3 |
| 1696 | 9529517.664 | 355435.887 | 168.723 | J4 |
| 1697 | 9529533.750 | 355434.625 | 169.199 | J5 |
| 1698 | 9529550.094 | 355433.389 | 170.378 | J6 |
| 1699 | 9529565.809 | 355432.622 | 171.692 | J7 |
| 1700 | 9529582.223 | 355431.486 | 171.444 | J8 |
| 1701 | 9529578.380 | 355415.416 | 169.454 | J8 |
| 1702 | 9529563.900 | 355414.930 | 171.827 | J7 |
| 1704 | 9529518.190 | 355416.100 | 166.408 | J4 |
| 1705 | 9529500.953 | 355417.075 | 164.650 | J3 |
| 1706 | 9529484.488 | 355418.393 | 163.763 | J2 |
| 1707 | 9529467.709 | 355419.179 | 162.989 | J1 |
| 1725 | 9529466.469 | 355399.195 | 160.740 | J1 |
| 1726 | 9529482.588 | 355398.259 | 162.003 | J2 |
| 1727 | 9529498.458 | 355397.230 | 163.192 | J3 |
| 1728 | 9529513.969 | 355395.973 | 165.258 | J4 |
| 1729 | 9529528.521 | 355394.775 | 168.214 | J5 |
| 1730 | 9529544.741 | 355393.756 | 169.655 | J6 |
| 1731 | 9529560.361 | 355392.789 | 167.134 | J7 |
| 1732 | 9529576.709 | 355392.115 | 165.507 | J8 |
| 1734 | 9529579.293 | 355371.317 | 162.763 | J8 |
| 1735 | 9529564.310 | 355372.311 | 163.418 | J7 |
| 1736 | 9529548.610 | 355373.551 | 164.178 | J6 |
| 1737 | 9529532.691 | 355374.603 | 165.160 | J5 |
| 1738 | 9529515.482 | 355375.923 | 164.140 | J4 |
| 1739 | 9529498.252 | 355376.820 | 162.406 | J3 |
| 1740 | 9529481.046 | 355378.132 | 160.728 | J2 |
| 1741 | 9529465.148 | 355379.356 | 158.871 | J1 |
| 1742 | 9529580.608 | 355353.309 | 161.801 | J8 |
| 1743 | 9529565.061 | 355353.943 | 161.865 | J7 |
| 1744 | 9529546.975 | 355354.652 | 161.756 | J6 |
| 1745 | 9529530.368 | 355355.263 | 162.081 | J5 |
| 1746 | 9529512.922 | 355356.057 | 162.386 | J4 |
| 1747 | 9529496.196 | 355356.887 | 161.416 | J3 |
| 1748 | 9529479.434 | 355358.427 | 159.136 | J2 |
| 1749 | 9529463.713 | 355359.328 | 158.137 | J1 |
| 1765 | 9529461.850 | 355339.525 | 157.640 | J1 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 1766 | 9529479.460 | 355338.537 | 157.726 | J2 |
| 1767 | 9529495.736 | 355337.684 | 157.978 | J3 |
| 1768 | 9529510.954 | 355336.644 | 159.629 | J4 |
| 1769 | 9529527.284 | 355335.975 | 160.221 | J5 |
| 1770 | 9529544.890 | 355334.285 | 160.596 | J6 |
| 1771 | 9529560.811 | 355333.424 | 160.496 | J7 |
| 1772 | 9529576.918 | 355332.057 | 160.349 | J8 |
| 1773 | 9529579.966 | 355311.321 | 159.737 | J8 |
| 1774 | 9529562.380 | 355312.592 | 158.778 | J7 |
| 1775 | 9529546.239 | 355313.742 | 158.629 | J6 |
| 1776 | 9529529.012 | 355314.977 | 158.041 | J5 |
| 1778 | 9529513.836 | 355315.981 | 156.595 | J4 |
| 1779 | 9529495.860 | 355317.088 | 156.904 | J3 |
| 1780 | 9529478.333 | 355318.384 | 158.206 | J2 |
| 1781 | 9529461.379 | 355319.467 | 159.263 | J1 |
| 1798 | 9529459.452 | 355299.660 | 159.197 | J1 |
| 1799 | 9529475.044 | 355298.695 | 158.698 | J2 |
| 1800 | 9529491.046 | 355297.299 | 157.712 | J3 |
| 1801 | 9529507.130 | 355296.354 | 157.081 | J4 |
| 1802 | 9529522.793 | 355295.386 | 156.056 | J5 |
| 1803 | 9529538.469 | 355294.938 | 156.689 | J6 |
| 1804 | 9529554.531 | 355292.728 | 158.032 | J7 |
| 1805 | 9529570.965 | 355291.557 | 159.515 | J8 |
| 1806 | 9529574.552 | 355271.006 | 158.317 | J8 |
| 1807 | 9529557.759 | 355272.156 | 157.486 | J7 |
| 1808 | 9529540.455 | 355273.762 | 155.792 | J6 |
| 1809 | 9529524.420 | 355274.747 | 156.442 | J5 |
| 1810 | 9529507.256 | 355276.099 | 157.535 | J4 |
| 1811 | 9529490.788 | 355277.174 | 158.259 | J3 |
| 1812 | 9529473.661 | 355278.517 | 158.997 | J2 |
| 1813 | 9529458.352 | 355279.651 | 159.364 | J1 |
| 1829 | 9529456.011 | 355239.727 | 159.246 | J1 |
| 1830 | 9529473.898 | 355238.709 | 158.711 | J2 |
| 1831 | 9529491.799 | 355237.434 | 157.703 | J3 |
| 1832 | 9529509.835 | 355236.265 | 157.001 | J4 |
| 1833 | 9529526.738 | 355235.232 | 156.291 | J5 |
| 1834 | 9529544.061 | 355234.305 | 155.060 | J6 |
| 1835 | 9529561.089 | 355233.067 | 155.275 | J7 |
| 1836 | 9529578.749 | 355232.114 | 156.333 | J8 |
| 1837 | 9529575.250 | 355211.531 | 154.904 | J8 |
| 1838 | 9529558.351 | 355212.867 | 154.637 | J7 |
| 1839 | 9529541.960 | 355213.909 | 155.540 | J6 |
| 1840 | 9529524.644 | 355215.231 | 156.637 | J5 |
| 1841 | 9529506.768 | 355216.354 | 157.114 | J4 |
| 1842 | 9529489.335 | 355217.925 | 157.674 | J3 |
| 1843 | 9529472.246 | 355219.011 | 158.271 | J2 |
| 1844 | 9529454.601 | 355219.847 | 158.648 | J1 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1867 | 9528648.545 | 356721.703 | 181.689 | J1 |
| 1868 | 9528663.633 | 356734.951 | 181.212 | J2 |
| 1869 | 9528678.579 | 356748.284 | 180.488 | J3 |
| 1870 | 9528693.645 | 356761.436 | 179.805 | J4 |
| 1871 | 9528708.595 | 356774.659 | 178.716 | J5 |
| 1872 | 9528723.702 | 356788.119 | 177.982 | J6 |
| 1873 | 9528738.747 | 356801.294 | 178.381 | J7 |
| 1874 | 9528753.881 | 356814.774 | 178.703 | J8 |
| 1875 | 9528768.081 | 356798.337 | 177.546 | J8 |
| 1876 | 9528752.567 | 356785.629 | 177.692 | J7 |
| 1877 | 9528737.052 | 356772.725 | 177.952 | J6 |
| 1878 | 9528721.913 | 356759.921 | 179.008 | J5 |
| 1879 | 9528707.073 | 356746.745 | 179.830 | J4 |
| 1880 | 9528691.969 | 356733.418 | 180.762 | J3 |
| 1881 | 9528676.957 | 356720.116 | 181.204 | J2 |
| 1882 | 9528661.967 | 356706.772 | 181.654 | J1 |
| 1895 | 9528675.193 | 356691.754 | 181.894 | J1 |
| 1896 | 9528690.139 | 356705.125 | 181.326 | J2 |
| 1897 | 9528705.095 | 356718.486 | 180.709 | J3 |
| 1898 | 9528720.055 | 356731.859 | 179.989 | J4 |
| 1899 | 9528735.108 | 356745.255 | 179.053 | J5 |
| 1900 | 9528750.139 | 356758.576 | 178.150 | J6 |
| 1901 | 9528764.986 | 356771.762 | 178.089 | J7 |
| 1902 | 9528779.997 | 356784.965 | 177.108 | J8 |
| 1903 | 9528793.446 | 356769.707 | 177.523 | J7 |
| 1904 | 9528778.599 | 356756.443 | 177.459 | J6 |
| 1905 | 9528763.649 | 356743.279 | 178.431 | J5 |
| 1906 | 9528748.496 | 356729.945 | 179.030 | J4 |
| 1907 | 9528718.476 | 356703.459 | 180.773 | J3 |
| 1908 | 9528703.464 | 356689.995 | 181.389 | J2 |
| 1909 | 9528688.257 | 356676.704 | 181.822 | J1 |
| 1924 | 9528701.584 | 356661.839 | 182.017 | J1 |
| 1925 | 9528716.659 | 356675.197 | 181.445 | J2 |
| 1926 | 9528731.633 | 356688.623 | 180.808 | J3 |
| 1927 | 9528746.616 | 356701.893 | 180.039 | J4 |
| 1928 | 9528761.583 | 356715.289 | 179.174 | J5 |
| 1929 | 9528776.700 | 356728.723 | 178.504 | J6 |
| 1930 | 9528791.660 | 356742.034 | 177.867 | J7 |
| 1931 | 9528806.508 | 356755.448 | 176.897 | J8 |
| 1932 | 9528820.217 | 356739.490 | 176.825 | J8 |
| 1933 | 9528805.055 | 356726.222 | 177.968 | J7 |
| 1934 | 9528790.006 | 356712.958 | 178.610 | J6 |
| 1935 | 9528774.986 | 356699.809 | 179.464 | J5 |
| 1936 | 9528759.815 | 356686.448 | 180.107 | J4 |
| 1937 | 9528744.832 | 356673.280 | 180.879 | J3 |
| 1938 | 9528729.897 | 356660.029 | 181.539 | J2 |
| 1939 | 9528714.933 | 356646.835 | 182.032 | J1 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|--|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1955 | 9528728.072 | 356631.989 | 181.879 | J1 |
| 1956 | 9528743.018 | 356645.355 | 181.534 | J2 |
| 1957 | 9528758.074 | 356658.682 | 180.984 | J3 |
| 1958 | 9528773.042 | 356672.038 | 180.212 | J4 |
| 1959 | 9528788.034 | 356685.299 | 179.594 | J5 |
| 1960 | 9528803.048 | 356698.563 | 178.812 | J6 |
| 1961 | 9528818.106 | 356711.800 | 178.038 | J7 |
| 1962 | 9528833.103 | 356725.036 | 176.912 | J8 |
| 1963 | 9528831.573 | 356696.676 | 178.125 | J7 |
| 1964 | 9528816.596 | 356683.460 | 178.821 | J6 |
| 1965 | 9528801.625 | 356670.244 | 179.585 | J5 |
| 1966 | 9528786.570 | 356656.973 | 180.453 | J4 |
| 1967 | 9528771.498 | 356643.594 | 181.023 | J3 |
| 1968 | 9528756.514 | 356630.266 | 181.429 | J2 |
| 1969 | 9528741.482 | 356616.897 | 181.620 | J1 |
| 1983 | 9528754.757 | 356601.940 | 181.463 | J1 |
| 1984 | 9528769.800 | 356615.391 | 181.282 | J2 |
| 1985 | 9528784.983 | 356628.830 | 180.656 | J3 |
| 1986 | 9528799.974 | 356642.017 | 180.086 | J4 |
| 1987 | 9528815.067 | 356655.133 | 179.466 | J5 |
| 1988 | 9528813.001 | 356627.184 | 179.864 | J4 |
| 1989 | 9528827.888 | 356640.688 | 178.017 | J5 |
| 1990 | 9528797.992 | 356613.863 | 180.429 | J3 |
| 1991 | 9528782.885 | 356600.481 | 180.920 | J2 |
| 1992 | 9528767.941 | 356587.141 | 181.322 | J1 |
| 2008 | 9528781.191 | 356572.153 | 181.216 | J1 |
| 2009 | 9528796.185 | 356585.382 | 180.752 | J2 |
| 2010 | 9528811.254 | 356598.676 | 179.864 | J3 |
| 2011 | 9528826.127 | 356611.708 | 178.949 | J4 |
| 2012 | 9528841.080 | 356624.948 | 179.430 | J5 |
| 2013 | 9528855.750 | 356637.815 | 178.178 | J6 |
| 2014 | 9528870.863 | 356651.466 | 180.017 | J7 |
| 2015 | 9528885.735 | 356664.598 | 178.687 | J8 |
| 2016 | 9528899.711 | 356649.391 | 179.673 | J8 |
| 2017 | 9528884.586 | 356636.013 | 179.888 | J7 |
| 2018 | 9528869.749 | 356622.884 | 179.973 | J6 |
| 2019 | 9528854.758 | 356609.805 | 179.735 | J5 |
| 2020 | 9528839.799 | 356596.638 | 180.132 | J4 |
| 2021 | 9528824.685 | 356583.449 | 179.814 | J3 |
| 2022 | 9528809.632 | 356570.363 | 180.847 | J2 |
| 2023 | 9528794.570 | 356557.125 | 181.293 | J1 |
| 2038 | 9528807.833 | 356542.121 | 181.491 | J1 |
| 2039 | 9528822.757 | 356555.413 | 181.151 | J2 |
| 2040 | 9528837.746 | 356568.701 | 180.806 | J3 |
| 2041 | 9528852.732 | 356581.891 | 180.601 | J4 |
| 2042 | 9528867.641 | 356595.167 | 180.750 | J5 |
| 2043 | 9528882.552 | 356608.428 | 180.801 | J6 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2044 | 9528897.487 | 356621.822 | 180.473 | J7 |
| 2045 | 9528912.306 | 356635.013 | 180.422 | J8 |
| 2046 | 9528926.056 | 356620.590 | 181.078 | J8 |
| 2047 | 9528911.046 | 356607.070 | 181.247 | J7 |
| 2048 | 9528896.113 | 356593.680 | 181.566 | J6 |
| 2049 | 9528881.088 | 356580.315 | 181.503 | J5 |
| 2050 | 9528866.221 | 356567.035 | 181.271 | J4 |
| 2051 | 9528851.196 | 356553.772 | 181.244 | J3 |
| 2052 | 9528836.152 | 356540.476 | 181.485 | J2 |
| 2053 | 9528821.129 | 356527.197 | 181.740 | J1 |
| 2071 | 9528834.338 | 356512.226 | 182.147 | J1 |
| 2072 | 9528849.249 | 356525.387 | 181.826 | J2 |
| 2073 | 9528864.153 | 356538.743 | 181.676 | J3 |
| 2074 | 9528879.191 | 356552.013 | 181.738 | J4 |
| 2075 | 9528894.173 | 356565.351 | 181.944 | J5 |
| 2076 | 9528909.184 | 356578.782 | 182.161 | J6 |
| 2077 | 9528924.139 | 356592.085 | 181.942 | J7 |
| 2078 | 9528939.154 | 356605.178 | 181.962 | J8 |
| 2079 | 9528952.299 | 356589.918 | 182.190 | J8 |
| 2080 | 9528937.394 | 356576.634 | 182.551 | J7 |
| 2081 | 9528922.354 | 356563.398 | 182.506 | J6 |
| 2082 | 9528907.358 | 356550.195 | 182.345 | J5 |
| 2083 | 9528892.466 | 356536.918 | 182.042 | J4 |
| 2084 | 9528877.560 | 356523.659 | 182.035 | J3 |
| 2085 | 9528862.656 | 356510.431 | 182.113 | J2 |
| 2086 | 9528847.659 | 356497.247 | 182.483 | J1 |
| 2108 | 9528860.820 | 356482.215 | 182.925 | J1 |
| 2109 | 9528875.852 | 356495.454 | 182.508 | J2 |
| 2110 | 9528890.838 | 356508.772 | 182.300 | J3 |
| 2111 | 9528905.700 | 356522.138 | 182.272 | J4 |
| 2112 | 9528920.728 | 356535.481 | 182.355 | J5 |
| 2113 | 9528935.645 | 356548.839 | 182.619 | J6 |
| 2114 | 9528950.706 | 356562.095 | 182.637 | J7 |
| 2115 | 9528979.111 | 356560.920 | 182.884 | J8 |
| 2116 | 9528964.232 | 356547.537 | 182.800 | J7 |
| 2117 | 9528949.177 | 356534.052 | 182.606 | J6 |
| 2118 | 9528934.087 | 356520.708 | 182.434 | J5 |
| 2119 | 9528919.228 | 356507.406 | 182.395 | J4 |
| 2120 | 9528904.342 | 356493.875 | 182.535 | J3 |
| 2121 | 9528889.344 | 356480.569 | 182.753 | J2 |
| 2122 | 9528874.310 | 356467.138 | 183.255 | J1 |
| 2123 | 9528902.990 | 356443.674 | 183.903 | J1 |
| 2124 | 9528915.880 | 356459.014 | 183.448 | J2 |
| 2125 | 9528928.543 | 356474.581 | 182.892 | J3 |
| 2126 | 9528941.278 | 356489.936 | 182.585 | J4 |
| 2127 | 9528954.024 | 356505.318 | 182.433 | J5 |
| 2128 | 9528966.801 | 356520.863 | 182.551 | J6 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2129 | 9528979.236 | 356536.217 | 182.802 | J7 |
| 2130 | 9528991.564 | 356551.320 | 182.675 | J8 |
| 2131 | 9529008.387 | 356537.709 | 182.228 | J7 |
| 2132 | 9528996.039 | 356522.324 | 182.580 | J6 |
| 2133 | 9528983.160 | 356507.284 | 182.058 | J5 |
| 2134 | 9528970.228 | 356492.086 | 182.084 | J4 |
| 2135 | 9528957.312 | 356476.905 | 182.483 | J3 |
| 2136 | 9528931.549 | 356446.438 | 183.608 | J2 |
| 2137 | 9528918.464 | 356430.881 | 184.080 | J1 |
| 2150 | 9528887.542 | 356456.431 | 183.479 | J1 |
| 2151 | 9528900.462 | 356471.875 | 182.958 | J2 |
| 2152 | 9528913.151 | 356487.296 | 182.629 | J3 |
| 2153 | 9528926.091 | 356502.713 | 182.495 | J4 |
| 2154 | 9529022.428 | 356526.370 | 182.080 | J8 |
| 2155 | 9529009.851 | 356511.131 | 181.848 | J7 |
| 2156 | 9528997.132 | 356495.663 | 181.440 | J6 |
| 2157 | 9528984.440 | 356480.131 | 181.684 | J5 |
| 2158 | 9528971.837 | 356464.683 | 182.276 | J4 |
| 2159 | 9528959.177 | 356449.148 | 182.944 | J3 |
| 2160 | 9528946.517 | 356433.688 | 183.624 | J2 |
| 2161 | 9528933.897 | 356418.236 | 184.444 | J1 |
| 2176 | 9528949.167 | 356405.471 | 184.866 | J1 |
| 2177 | 9528961.791 | 356420.875 | 184.160 | J2 |
| 2178 | 9528974.512 | 356436.239 | 183.414 | J3 |
| 2179 | 9528987.489 | 356451.991 | 181.946 | J4 |
| 2180 | 9529000.107 | 356467.275 | 180.953 | J5 |
| 2181 | 9529013.264 | 356483.188 | 180.466 | J6 |
| 2182 | 9529026.221 | 356498.428 | 181.023 | J7 |
| 2183 | 9529039.573 | 356514.003 | 181.537 | J8 |
| 2184 | 9529054.030 | 356500.273 | 180.826 | J8 |
| 2185 | 9529041.421 | 356484.812 | 180.270 | J7 |
| 2186 | 9529028.433 | 356469.413 | 179.502 | J6 |
| 2187 | 9529015.566 | 356454.212 | 180.504 | J5 |
| 2188 | 9529002.871 | 356438.785 | 181.616 | J4 |
| 2189 | 9528990.071 | 356423.512 | 183.156 | J3 |
| 2190 | 9528977.315 | 356408.203 | 184.175 | J2 |
| 2191 | 9528964.652 | 356392.790 | 185.062 | J1 |
| 2209 | 9528980.078 | 356379.889 | 184.533 | J1 |
| 2210 | 9528992.552 | 356395.478 | 184.402 | J2 |
| 2211 | 9529005.761 | 356410.298 | 182.152 | J3 |
| 2212 | 9529018.575 | 356425.911 | 180.924 | J4 |
| 2213 | 9529031.398 | 356441.349 | 179.957 | J5 |
| 2214 | 9529043.824 | 356457.161 | 178.827 | J6 |
| 2215 | 9529056.572 | 356472.552 | 179.427 | J7 |
| 2216 | 9529071.606 | 356485.914 | 180.420 | J8 |
| 2218 | 9529085.502 | 356474.260 | 179.662 | J8 |
| 2219 | 9529072.626 | 356458.919 | 178.845 | J7 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2220 | 9529059.531 | 356443.695 | 178.240 | J6 |
| 2221 | 9529046.461 | 356428.202 | 179.537 | J5 |
| 2222 | 9529034.249 | 356413.362 | 180.341 | J4 |
| 2223 | 9529021.087 | 356397.858 | 181.381 | J3 |
| 2224 | 9529008.269 | 356382.357 | 183.278 | J2 |
| 2225 | 9528995.387 | 356366.996 | 184.408 | J1 |
| 2242 | 9529010.723 | 356354.347 | 183.611 | J1 |
| 2243 | 9529023.475 | 356369.853 | 182.418 | J2 |
| 2244 | 9529036.689 | 356385.274 | 180.864 | J3 |
| 2245 | 9529049.703 | 356400.679 | 180.176 | J4 |
| 2246 | 9529062.622 | 356415.797 | 179.200 | J5 |
| 2247 | 9529075.693 | 356431.062 | 178.124 | J6 |
| 2248 | 9529088.749 | 356446.351 | 178.103 | J7 |
| 2249 | 9529102.011 | 356461.588 | 178.903 | J8 |
| 2250 | 9529115.678 | 356449.416 | 178.325 | J8 |
| 2251 | 9529102.643 | 356434.250 | 177.745 | J7 |
| 2252 | 9529089.618 | 356419.001 | 177.873 | J6 |
| 2253 | 9529076.973 | 356403.464 | 179.183 | J5 |
| 2254 | 9529064.298 | 356387.983 | 179.954 | J4 |
| 2255 | 9529051.551 | 356372.433 | 180.808 | J3 |
| 2256 | 9529038.808 | 356357.040 | 181.716 | J2 |
| 2257 | 9529026.181 | 356341.647 | 183.104 | J1 |
| 2274 | 9529041.356 | 356328.642 | 182.939 | J1 |
| 2275 | 9529054.128 | 356344.095 | 181.626 | J2 |
| 2276 | 9529066.673 | 356359.530 | 180.506 | J3 |
| 2277 | 9529079.437 | 356375.048 | 179.790 | J4 |
| 2278 | 9529092.170 | 356390.380 | 178.604 | J5 |
| 2279 | 9529105.101 | 356405.716 | 177.616 | J6 |
| 2280 | 9529118.023 | 356420.905 | 176.868 | J7 |
| 2281 | 9529131.337 | 356436.471 | 177.611 | J8 |
| 2282 | 9529140.969 | 356428.634 | 177.406 | J7 |
| 2283 | 9529129.682 | 356412.148 | 176.374 | J6 |
| 2284 | 9529117.806 | 356396.006 | 177.639 | J5 |
| 2285 | 9529105.932 | 356379.698 | 178.536 | J4 |
| 2286 | 9529093.755 | 356363.623 | 179.379 | J3 |
| 2287 | 9529081.696 | 356347.714 | 180.110 | J2 |
| 2288 | 9529057.041 | 356316.039 | 182.609 | J1 |
| 2304 | 9529072.422 | 356303.385 | 182.745 | J1 |
| 2305 | 9529085.218 | 356318.687 | 181.685 | J2 |
| 2306 | 9529097.814 | 356334.187 | 180.692 | J3 |
| 2307 | 9529110.586 | 356349.665 | 179.174 | J4 |
| 2308 | 9529123.294 | 356364.991 | 178.632 | J5 |
| 2309 | 9529135.969 | 356380.500 | 177.807 | J6 |
| 2310 | 9529148.604 | 356395.717 | 176.032 | J7 |
| 2311 | 9529164.556 | 356382.323 | 176.907 | J7 |
| 2312 | 9529151.741 | 356367.288 | 177.730 | J6 |
| 2313 | 9529139.068 | 356352.090 | 178.469 | J5 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2314 | 9529126.178 | 356336.743 | 179.114 | J4 |
| 2315 | 9529113.180 | 356321.168 | 180.141 | J3 |
| 2316 | 9529100.588 | 356306.018 | 180.920 | J2 |
| 2317 | 9529087.855 | 356290.627 | 181.730 | J1 |
| 2334 | 9529103.161 | 356277.861 | 180.466 | J1 |
| 2335 | 9529115.974 | 356293.267 | 180.105 | J2 |
| 2336 | 9529128.639 | 356308.821 | 179.700 | J3 |
| 2337 | 9529141.261 | 356323.961 | 178.912 | J4 |
| 2338 | 9529154.011 | 356339.341 | 178.212 | J5 |
| 2339 | 9529166.686 | 356354.939 | 177.583 | J6 |
| 2340 | 9529179.509 | 356370.298 | 175.995 | J7 |
| 2341 | 9529192.383 | 356385.837 | 175.362 | J8 |
| 2342 | 9529176.209 | 356396.190 | 175.376 | J8 |
| 2343 | 9529208.298 | 356373.802 | 176.505 | J8 |
| 2344 | 9529195.544 | 356358.203 | 176.975 | J7 |
| 2345 | 9529182.777 | 356342.673 | 177.058 | J6 |
| 2346 | 9529170.081 | 356327.216 | 177.513 | J5 |
| 2347 | 9529157.298 | 356311.708 | 177.932 | J4 |
| 2348 | 9529144.347 | 356296.177 | 178.689 | J3 |
| 2349 | 9529131.575 | 356280.741 | 179.210 | J2 |
| 2350 | 9529118.705 | 356265.128 | 180.116 | J1 |
| 2365 | 9529133.939 | 356252.213 | 180.689 | J1 |
| 2366 | 9529146.662 | 356267.717 | 180.316 | J2 |
| 2367 | 9529159.430 | 356283.151 | 179.598 | J3 |
| 2368 | 9529172.142 | 356298.468 | 178.859 | J4 |
| 2369 | 9529184.744 | 356313.838 | 178.495 | J5 |
| 2370 | 9529197.288 | 356329.134 | 177.906 | J6 |
| 2371 | 9529210.401 | 356345.053 | 177.320 | J7 |
| 2372 | 9529223.276 | 356360.507 | 176.657 | J8 |
| 2373 | 9529239.391 | 356347.541 | 176.507 | J8 |
| 2374 | 9529226.523 | 356332.151 | 177.423 | J7 |
| 2375 | 9529213.779 | 356316.879 | 178.093 | J6 |
| 2376 | 9529200.999 | 356301.553 | 178.729 | J5 |
| 2377 | 9529188.125 | 356286.207 | 179.551 | J4 |
| 2378 | 9529175.236 | 356270.545 | 180.465 | J3 |
| 2379 | 9529162.333 | 356255.205 | 181.054 | J2 |
| 2380 | 9529149.536 | 356239.614 | 181.390 | J1 |
| 2395 | 9529164.727 | 356226.955 | 181.244 | J1 |
| 2396 | 9529177.534 | 356242.300 | 181.039 | J2 |
| 2397 | 9529190.340 | 356257.569 | 180.510 | J3 |
| 2398 | 9529203.176 | 356273.023 | 179.561 | J4 |
| 2399 | 9529216.022 | 356288.637 | 178.745 | J5 |
| 2400 | 9529228.875 | 356303.911 | 177.864 | J6 |
| 2401 | 9529241.689 | 356319.404 | 177.167 | J7 |
| 2402 | 9529254.586 | 356334.914 | 176.424 | J8 |
| 2403 | 9529271.402 | 356323.268 | 176.333 | J8 |
| 2404 | 9529257.378 | 356307.139 | 177.208 | J7 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2405 | 9529243.480 | 356290.977 | 178.031 | J6 |
| 2406 | 9529231.062 | 356276.063 | 179.007 | J5 |
| 2407 | 9529218.215 | 356260.660 | 180.333 | J4 |
| 2408 | 9529205.858 | 356245.512 | 180.989 | J3 |
| 2409 | 9529192.838 | 356229.781 | 181.478 | J2 |
| 2410 | 9529180.061 | 356214.218 | 181.572 | J1 |
| 2427 | 9529195.317 | 356201.316 | 181.340 | J1 |
| 2428 | 9529208.165 | 356216.855 | 181.188 | J2 |
| 2429 | 9529220.872 | 356232.322 | 180.963 | J3 |
| 2430 | 9529233.546 | 356247.477 | 180.418 | J4 |
| 2431 | 9529246.358 | 356262.866 | 179.333 | J5 |
| 2432 | 9529258.984 | 356278.182 | 178.604 | J6 |
| 2433 | 9529274.807 | 356266.158 | 178.530 | J6 |
| 2434 | 9529262.110 | 356250.816 | 179.460 | J5 |
| 2435 | 9529249.294 | 356235.245 | 180.221 | J4 |
| 2436 | 9529236.467 | 356219.696 | 180.417 | J3 |
| 2437 | 9529223.759 | 356204.255 | 180.672 | J2 |
| 2438 | 9529210.921 | 356188.899 | 181.039 | J1 |
| 2455 | 9529226.109 | 356176.053 | 179.947 | J1 |
| 2456 | 9529238.763 | 356191.470 | 179.934 | J2 |
| 2457 | 9529251.636 | 356207.050 | 179.664 | J3 |
| 2458 | 9529264.603 | 356222.627 | 179.693 | J4 |
| 2459 | 9529277.494 | 356238.399 | 179.034 | J5 |
| 2460 | 9529290.081 | 356253.808 | 178.319 | J6 |
| 2461 | 9529318.192 | 356255.719 | 177.050 | J8 |
| 2462 | 9529305.502 | 356240.688 | 177.994 | J7 |
| 2463 | 9529292.775 | 356225.268 | 178.445 | J6 |
| 2464 | 9529279.684 | 356209.501 | 179.088 | J5 |
| 2465 | 9529266.761 | 356193.929 | 179.016 | J4 |
| 2466 | 9529254.088 | 356178.662 | 179.039 | J3 |
| 2467 | 9529241.366 | 356163.329 | 179.191 | J2 |
| 2479 | 9529256.776 | 356150.768 | 178.530 | J1 |
| 2480 | 9529269.542 | 356166.152 | 178.235 | J2 |
| 2481 | 9529282.109 | 356181.336 | 178.291 | J3 |
| 2482 | 9529294.764 | 356196.694 | 178.172 | J4 |
| 2483 | 9529307.680 | 356212.225 | 177.804 | J5 |
| 2484 | 9529320.395 | 356227.576 | 177.331 | J6 |
| 2485 | 9529332.717 | 356242.958 | 176.689 | J7 |
| 2486 | 9529347.986 | 356229.415 | 176.108 | J7 |
| 2487 | 9529335.507 | 356214.247 | 176.586 | J6 |
| 2488 | 9529322.726 | 356198.927 | 177.015 | J5 |
| 2489 | 9529309.915 | 356183.688 | 177.236 | J4 |
| 2490 | 9529297.601 | 356168.786 | 177.458 | J3 |
| 2491 | 9529284.764 | 356153.258 | 177.514 | J2 |
| 2492 | 9529271.899 | 356137.833 | 177.852 | J1 |
| 2505 | 9529287.209 | 356125.326 | 177.248 | J1 |
| 2506 | 9529299.986 | 356140.780 | 176.878 | J2 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2507 | 9529312.548 | 356155.941 | 176.380 | J3 |
| 2508 | 9529325.239 | 356171.394 | 176.489 | J4 |
| 2509 | 9529338.032 | 356186.985 | 176.278 | J5 |
| 2510 | 9529349.856 | 356201.521 | 175.898 | J6 |
| 2511 | 9529363.645 | 356215.563 | 175.655 | J7 |
| 2512 | 9529390.586 | 356218.524 | 175.317 | J8 |
| 2513 | 9529378.241 | 356203.755 | 175.337 | J7 |
| 2514 | 9529365.566 | 356188.708 | 175.396 | J6 |
| 2515 | 9529353.173 | 356173.471 | 175.522 | J5 |
| 2516 | 9529340.329 | 356158.044 | 175.792 | J4 |
| 2517 | 9529327.862 | 356142.808 | 175.742 | J3 |
| 2518 | 9529315.328 | 356127.858 | 175.688 | J2 |
| 2519 | 9529302.363 | 356112.543 | 175.929 | J1 |
| 2536 | 9529317.852 | 356099.688 | 175.763 | J1 |
| 2537 | 9529330.056 | 356114.500 | 174.101 | J2 |
| 2538 | 9529342.626 | 356129.715 | 174.923 | J3 |
| 2539 | 9529355.294 | 356145.172 | 174.632 | J4 |
| 2540 | 9529367.963 | 356160.612 | 174.865 | J5 |
| 2541 | 9529380.525 | 356175.845 | 174.913 | J6 |
| 2542 | 9529392.287 | 356190.088 | 174.808 | J7 |
| 2543 | 9529404.320 | 356203.544 | 175.313 | J8 |
| 2544 | 9529399.580 | 356164.447 | 173.768 | J6 |
| 2545 | 9529386.110 | 356149.316 | 173.919 | J5 |
| 2546 | 9529372.917 | 356134.090 | 173.537 | J4 |
| 2547 | 9529360.126 | 356118.565 | 173.472 | J3 |
| 2548 | 9529346.678 | 356102.942 | 175.130 | J2 |
| 2549 | 9529333.394 | 356087.298 | 175.842 | J1 |
| 2566 | 9529348.625 | 356074.411 | 175.898 | J1 |
| 2567 | 9529361.347 | 356089.921 | 175.205 | J2 |
| 2568 | 9529373.954 | 356105.108 | 174.553 | J3 |
| 2569 | 9529386.680 | 356120.543 | 173.789 | J4 |
| 2570 | 9529399.057 | 356135.641 | 172.672 | J5 |
| 2571 | 9529415.274 | 356123.393 | 172.784 | J5 |
| 2572 | 9529402.414 | 356107.839 | 174.137 | J4 |
| 2573 | 9529389.652 | 356092.357 | 174.837 | J3 |
| 2574 | 9529376.901 | 356077.131 | 175.582 | J2 |
| 2575 | 9529363.992 | 356061.489 | 176.078 | J1 |
| 2584 | 9529379.311 | 356048.749 | 176.564 | J1 |
| 2585 | 9529391.670 | 356063.913 | 176.078 | J2 |
| 2586 | 9529404.114 | 356078.909 | 175.357 | J3 |
| 2587 | 9529416.789 | 356094.254 | 174.538 | J4 |
| 2588 | 9529429.508 | 356109.685 | 173.705 | J5 |
| 2589 | 9529442.512 | 356125.455 | 173.149 | J6 |
| 2590 | 9529484.202 | 356144.178 | 172.093 | J8 |
| 2591 | 9529471.269 | 356128.791 | 172.746 | J7 |
| 2592 | 9529458.440 | 356113.394 | 173.426 | J6 |
| 2593 | 9529445.698 | 356097.990 | 174.329 | J5 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2594 | 9529432.883 | 356082.536 | 175.092 | J4 |
| 2595 | 9529420.116 | 356067.059 | 175.817 | J3 |
| 2596 | 9529407.384 | 356051.589 | 176.551 | J2 |
| 2597 | 9529394.634 | 356036.123 | 177.189 | J1 |
| 2614 | 9529409.901 | 356023.438 | 178.025 | J1 |
| 2615 | 9529422.642 | 356039.024 | 176.880 | J2 |
| 2616 | 9529435.241 | 356054.512 | 176.253 | J3 |
| 2617 | 9529448.005 | 356070.336 | 175.627 | J4 |
| 2618 | 9529460.602 | 356085.594 | 174.346 | J5 |
| 2619 | 9529472.562 | 356100.422 | 174.539 | J6 |
| 2620 | 9529485.166 | 356115.915 | 173.972 | J7 |
| 2621 | 9529498.111 | 356131.067 | 173.387 | J8 |
| 2622 | 9529530.546 | 356107.667 | 174.707 | J8 |
| 2623 | 9529464.474 | 356056.947 | 175.687 | J4 |
| 2624 | 9529451.012 | 356041.567 | 176.829 | J3 |
| 2625 | 9529437.999 | 356026.394 | 177.299 | J2 |
| 2626 | 9529425.090 | 356011.191 | 178.537 | J1 |
| 2640 | 9529497.445 | 355877.624 | 180.252 | J4 |
| 2641 | 9529498.709 | 355895.108 | 180.958 | J1 |
| 2642 | 9529518.592 | 355893.916 | 182.119 | J2 |
| 2643 | 9529576.349 | 355872.472 | 182.808 | J5 |
| 2644 | 9529578.083 | 355888.556 | 183.249 | J5 |
| 2645 | 9529597.796 | 355887.017 | 183.347 | J6 |
| 2646 | 9529596.254 | 355871.042 | 184.192 | J6 |
| 2647 | 9529616.097 | 355869.779 | 185.436 | J7 |
| 2648 | 9529617.569 | 355885.060 | 184.353 | J7 |
| 2649 | 9529636.531 | 355883.188 | 184.647 | J8 |
| 2650 | 9529635.519 | 355868.321 | 185.899 | J8 |
| 2651 | 9529620.365 | 355850.389 | 186.253 | J8 |
| 2652 | 9529601.183 | 355851.557 | 184.815 | J7 |
| 2653 | 9529584.317 | 355851.975 | 182.473 | J6 |
| 2654 | 9529567.090 | 355852.754 | 180.568 | J5 |
| 2655 | 9529548.976 | 355854.386 | 180.465 | J4 |
| 2656 | 9529530.875 | 355855.928 | 179.702 | J3 |
| 2657 | 9529513.694 | 355856.771 | 180.174 | J2 |
| 2658 | 9529496.131 | 355857.597 | 179.669 | J1 |
| 2697 | 9529453.867 | 355200.022 | 157.550 | J1 |
| 2698 | 9529471.716 | 355198.848 | 157.456 | J2 |
| 2699 | 9529489.310 | 355197.428 | 157.378 | J3 |
| 2700 | 9529506.863 | 355196.265 | 157.063 | J4 |
| 2701 | 9529524.000 | 355195.132 | 156.694 | J5 |
| 2702 | 9529540.693 | 355193.905 | 155.918 | J6 |
| 2703 | 9529557.762 | 355192.876 | 154.729 | J7 |
| 2704 | 9529561.937 | 355192.620 | 153.923 | PC |
| 2705 | 9529574.070 | 355191.982 | 154.419 | J8 |
| 2708 | 9529572.937 | 355174.530 | 153.567 | J8 |
| 2709 | 9529566.095 | 355173.600 | 155.011 | PC |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2710 | 9529548.500 | 355173.975 | 156.055 | J7 |
| 2711 | 9529532.380 | 355174.922 | 156.385 | J6 |
| 2712 | 9529516.390 | 355176.081 | 156.598 | J5 |
| 2713 | 9529500.536 | 355177.167 | 156.820 | J4 |
| 2714 | 9529484.538 | 355178.157 | 156.650 | J3 |
| 2715 | 9529468.324 | 355179.134 | 156.600 | J2 |
| 2716 | 9529452.298 | 355179.993 | 156.791 | J1 |
| 2733 | 9529450.821 | 355160.202 | 155.753 | J1 |
| 2734 | 9529468.391 | 355159.148 | 154.952 | J2 |
| 2735 | 9529486.000 | 355157.917 | 156.281 | J3 |
| 2736 | 9529503.616 | 355156.742 | 156.119 | J4 |
| 2737 | 9529520.416 | 355155.475 | 156.068 | J5 |
| 2738 | 9529537.825 | 355154.380 | 155.890 | J6 |
| 2739 | 9529554.245 | 355153.473 | 155.814 | J7 |
| 2740 | 9529570.795 | 355152.195 | 155.681 | J8 |
| 2741 | 9529563.467 | 355132.494 | 153.962 | J8 |
| 2742 | 9529545.990 | 355133.603 | 154.054 | J7 |
| 2743 | 9529529.289 | 355134.928 | 153.994 | J6 |
| 2744 | 9529513.469 | 355135.985 | 154.110 | J5 |
| 2745 | 9529497.078 | 355137.198 | 154.316 | J4 |
| 2746 | 9529481.684 | 355138.275 | 154.109 | J3 |
| 2747 | 9529466.295 | 355139.347 | 154.327 | J2 |
| 2748 | 9529449.761 | 355140.100 | 155.110 | J1 |
| 2764 | 9529448.213 | 355120.104 | 153.700 | J1 |
| 2765 | 9529464.943 | 355119.228 | 153.180 | J2 |
| 2766 | 9529482.331 | 355118.237 | 151.666 | J3 |
| 2767 | 9529498.392 | 355116.571 | 152.051 | J4 |
| 2768 | 9529514.132 | 355115.629 | 152.795 | J5 |
| 2769 | 9529531.199 | 355114.497 | 153.213 | J6 |
| 2770 | 9529548.451 | 355113.341 | 152.695 | J7 |
| 2771 | 9529564.464 | 355113.377 | 153.362 | J8 |
| 2772 | 9529575.912 | 355090.461 | 150.857 | J8 |
| 2773 | 9529556.907 | 355092.633 | 151.084 | J7 |
| 2774 | 9529537.124 | 355094.220 | 151.752 | J6 |
| 2775 | 9529517.809 | 355095.334 | 152.546 | J5 |
| 2776 | 9529497.935 | 355096.549 | 152.357 | J4 |
| 2777 | 9529479.701 | 355097.528 | 151.791 | J3 |
| 2778 | 9529462.371 | 355098.413 | 151.708 | J2 |
| 2779 | 9529447.058 | 355099.427 | 151.416 | J1 |
| 2797 | 9529444.482 | 355033.424 | 153.117 | J1 |
| 2798 | 9529466.378 | 355032.610 | 150.991 | J2 |
| 2799 | 9529483.999 | 355032.212 | 150.682 | J3 |
| 2800 | 9529500.603 | 355031.666 | 150.491 | J4 |
| 2801 | 9529541.893 | 355006.993 | 154.482 | J6 |
| 2802 | 9529521.382 | 355007.415 | 151.642 | J5 |
| 2803 | 9529500.123 | 355009.175 | 150.818 | J4 |
| 2804 | 9529479.894 | 355010.847 | 150.241 | J3 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 2805 | 9529460.350 | 355012.150 | 152.000 | J2 |
| 2818 | 9529440.222 | 354993.641 | 152.322 | J1 |
| 2819 | 9529481.831 | 354990.959 | 152.241 | J3 |
| 2820 | 9529501.206 | 354991.496 | 153.993 | J4 |
| 2821 | 9529522.467 | 354992.395 | 155.002 | J5 |
| 2822 | 9529544.415 | 354992.965 | 155.931 | J6 |
| 2823 | 9529556.788 | 354993.080 | 155.666 | J7 |
| 2824 | 9529577.380 | 354993.340 | 155.435 | J8 |
| 2825 | 9529583.647 | 354967.414 | 156.191 | J8 |
| 2826 | 9529562.714 | 354967.891 | 156.561 | J7 |
| 2827 | 9529542.145 | 354968.906 | 156.928 | J6 |
| 2828 | 9529520.634 | 354969.883 | 157.129 | J5 |
| 2829 | 9529499.190 | 354971.388 | 157.024 | J4 |
| 2830 | 9529478.573 | 354972.057 | 155.724 | J3 |
| 2831 | 9529458.830 | 354973.341 | 156.339 | J2 |
| 2832 | 9529438.979 | 354974.261 | 155.633 | J1 |
| 2843 | 9529437.430 | 354954.133 | 158.113 | J1 |
| 2844 | 9529457.734 | 354953.002 | 158.625 | J2 |
| 2845 | 9529478.332 | 354951.473 | 158.125 | J3 |
| 2846 | 9529498.977 | 354950.226 | 158.401 | J4 |
| 2847 | 9529519.650 | 354948.848 | 158.459 | J5 |
| 2848 | 9529540.667 | 354947.245 | 157.939 | J6 |
| 2849 | 9529561.817 | 354945.888 | 157.521 | J7 |
| 2850 | 9529582.999 | 354944.465 | 156.997 | J8 |
| 2851 | 9529581.345 | 354926.960 | 157.864 | J8 |
| 2852 | 9529557.912 | 354931.120 | 158.147 | J7 |
| 2853 | 9529536.553 | 354931.656 | 158.440 | J6 |
| 2854 | 9529516.604 | 354931.601 | 159.126 | J5 |
| 2855 | 9529495.911 | 354932.152 | 159.330 | J4 |
| 2856 | 9529475.878 | 354932.484 | 159.222 | J3 |
| 2857 | 9529455.863 | 354933.020 | 160.154 | J2 |
| 2858 | 9529436.334 | 354934.165 | 159.896 | J1 |
| 2871 | 9529434.965 | 354914.156 | 162.161 | J1 |
| 2872 | 9529454.941 | 354912.784 | 162.084 | J2 |
| 2873 | 9529475.410 | 354911.307 | 161.325 | J3 |
| 2874 | 9529496.591 | 354910.024 | 160.686 | J4 |
| 2875 | 9529517.126 | 354908.734 | 160.259 | J5 |
| 2876 | 9529538.037 | 354907.458 | 159.555 | J6 |
| 2877 | 9529559.303 | 354905.809 | 158.849 | J7 |
| 2878 | 9529581.109 | 354904.788 | 158.350 | J8 |
| 2879 | 9529579.809 | 354881.194 | 158.897 | J8 |
| 2880 | 9529558.010 | 354883.328 | 159.430 | J7 |
| 2881 | 9529514.620 | 354887.698 | 161.206 | J5 |
| 2882 | 9529493.457 | 354890.043 | 162.032 | J4 |
| 2883 | 9529469.899 | 354891.907 | 162.693 | J3 |
| 2884 | 9529453.769 | 354892.827 | 164.207 | J2 |
| 2885 | 9529433.726 | 354894.297 | 165.110 | J1 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2899 | 9529432.384 | 354874.455 | 166.396 | J1 |
| 2900 | 9529453.736 | 354872.768 | 164.463 | J2 |
| 2901 | 9529474.754 | 354871.148 | 162.991 | J3 |
| 2902 | 9529496.075 | 354869.562 | 162.170 | J4 |
| 2903 | 9529517.954 | 354868.055 | 161.790 | J5 |
| 2904 | 9529539.195 | 354866.247 | 161.591 | J6 |
| 2905 | 9529560.786 | 354864.589 | 160.130 | J7 |
| 2906 | 9529581.863 | 354862.996 | 158.861 | J8 |
| 2914 | 9529563.787 | 356001.810 | 177.474 | J5 |
| 2916 | 9529572.936 | 355983.886 | 177.808 | J5 |
| 2917 | 9529562.078 | 355976.788 | 178.402 | J4 |
| 2920 | 9529531.325 | 355964.192 | 179.680 | J3 |
| 2921 | 9529518.703 | 355957.955 | 180.091 | J2 |
| 2923 | 9529500.884 | 355942.233 | 180.552 | J1 |
| 2931 | 9529541.962 | 355929.954 | 180.951 | J3 |
| 2934 | 9529580.266 | 355924.896 | 180.105 | J5 |
| 2943 | 9529559.108 | 355909.003 | 181.392 | J4 |
| 2950 | 9529456.649 | 354867.598 | 163.991 | J2 |
| 2951 | 9529438.105 | 354859.573 | 166.449 | J1 |
| 2967 | 9529445.868 | 354841.288 | 164.515 | J1 |
| 2968 | 9529465.750 | 354849.490 | 161.947 | J2 |
| 2969 | 9529484.733 | 354857.038 | 161.309 | J3 |
| 2970 | 9529505.058 | 354865.458 | 161.916 | J4 |
| 2971 | 9529527.281 | 354852.638 | 161.881 | J5 |
| 2972 | 9529510.824 | 354846.563 | 161.089 | J4 |
| 2973 | 9529491.567 | 354839.354 | 159.409 | J3 |
| 2974 | 9529472.273 | 354831.081 | 160.110 | J2 |
| 2975 | 9529453.578 | 354823.045 | 162.000 | J1 |
| 2991 | 9529461.324 | 354804.762 | 160.663 | J1 |
| 2992 | 9529478.635 | 354812.500 | 159.190 | J2 |
| 2994 | 9529498.410 | 354820.878 | 158.233 | J3 |
| 2995 | 9529514.160 | 354826.960 | 160.001 | J4 |
| 2996 | 9529530.677 | 354833.921 | 160.421 | J5 |
| 2997 | 9529547.153 | 354841.619 | 160.656 | J6 |
| 2998 | 9529564.958 | 354849.918 | 159.981 | J7 |
| 2999 | 9529582.095 | 354858.143 | 158.838 | J8 |
| 3000 | 9529590.087 | 354835.352 | 157.426 | J8 |
| 3001 | 9529602.308 | 354818.895 | 156.671 | J8 |
| 3002 | 9529573.795 | 354828.652 | 158.706 | J7 |
| 3003 | 9529556.769 | 354822.113 | 158.439 | J6 |
| 3004 | 9529538.786 | 354815.409 | 158.174 | J5 |
| 3005 | 9529521.483 | 354808.262 | 157.839 | J4 |
| 3007 | 9529504.435 | 354801.368 | 157.216 | J3 |
| 3008 | 9529487.292 | 354794.466 | 158.129 | J2 |
| 3009 | 9529469.137 | 354786.394 | 159.697 | J1 |
| 3025 | 9529477.007 | 354768.118 | 158.070 | J1 |
| 3026 | 9529494.571 | 354775.184 | 157.423 | J2 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3027 | 9529511.897 | 354782.548 | 155.920 | J3 |
| 3028 | 9529529.987 | 354789.809 | 155.620 | J4 |
| 3029 | 9529547.708 | 354796.796 | 157.047 | J5 |
| 3030 | 9529565.415 | 354804.299 | 157.151 | J6 |
| 3031 | 9529583.243 | 354811.286 | 156.978 | J7 |
| 3032 | 9529602.000 | 354801.245 | 155.772 | J8 |
| 3033 | 9529583.575 | 354793.182 | 156.621 | J7 |
| 3034 | 9529566.764 | 354785.502 | 156.144 | J6 |
| 3035 | 9529550.024 | 354778.319 | 155.454 | J5 |
| 3036 | 9529533.826 | 354771.083 | 154.352 | J4 |
| 3037 | 9529516.733 | 354764.260 | 155.243 | J3 |
| 3038 | 9529501.385 | 354757.115 | 157.200 | J2 |
| 3039 | 9529484.688 | 354749.875 | 157.521 | J1 |
| 3056 | 9529492.299 | 354731.429 | 156.280 | J1 |
| 3057 | 9529508.493 | 354738.628 | 155.425 | J2 |
| 3058 | 9529525.442 | 354745.412 | 154.214 | J3 |
| 3059 | 9529542.640 | 354752.121 | 153.336 | J4 |
| 3060 | 9529559.145 | 354759.568 | 153.190 | J5 |
| 3061 | 9529575.439 | 354767.090 | 154.562 | J6 |
| 3062 | 9529592.878 | 354774.201 | 154.703 | J7 |
| 3063 | 9529610.368 | 354780.571 | 154.323 | J8 |
| 3064 | 9529613.205 | 354762.175 | 153.813 | J8 |
| 3065 | 9529596.224 | 354754.818 | 154.238 | J7 |
| 3066 | 9529579.518 | 354747.847 | 153.513 | J6 |
| 3067 | 9529563.758 | 354741.007 | 152.326 | J5 |
| 3068 | 9529547.715 | 354734.142 | 153.487 | J4 |
| 3069 | 9529531.692 | 354726.615 | 154.375 | J3 |
| 3070 | 9529516.229 | 354720.186 | 154.990 | J2 |
| 3071 | 9529500.093 | 354713.317 | 155.008 | J1 |
| 3087 | 9529507.631 | 354695.046 | 152.659 | J1 |
| 3088 | 9529524.535 | 354702.030 | 153.051 | J2 |
| 3089 | 9529540.472 | 354709.078 | 152.957 | J3 |
| 3090 | 9529556.445 | 354716.175 | 152.296 | J4 |
| 3091 | 9529572.902 | 354723.828 | 151.789 | J5 |
| 3092 | 9529623.129 | 354720.848 | 151.051 | J7 |
| 3093 | 9529608.402 | 354715.229 | 151.935 | J6 |
| 3094 | 9529592.592 | 354709.040 | 151.968 | J5 |
| 3095 | 9529577.380 | 354703.142 | 150.449 | J4 |
| 3096 | 9529547.403 | 354690.304 | 150.147 | J3 |
| 3097 | 9529531.247 | 354683.407 | 150.517 | J2 |
| 3098 | 9529515.386 | 354676.656 | 151.634 | J1 |
| 3116 | 9529523.519 | 354658.537 | 153.310 | J1 |
| 3117 | 9529540.071 | 354665.403 | 153.125 | J2 |
| 3118 | 9529556.502 | 354672.334 | 152.943 | J3 |
| 3119 | 9529571.939 | 354679.149 | 152.814 | J4 |
| 3120 | 9529589.242 | 354685.803 | 152.616 | J5 |
| 3121 | 9529605.186 | 354692.153 | 152.245 | J6 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 3122 | 9529619.739 | 354698.886 | 151.695 | J7 |
| 3123 | 9529643.892 | 354687.960 | 153.098 | J8 |
| 3124 | 9529627.302 | 354681.198 | 153.339 | J7 |
| 3125 | 9529611.707 | 354674.303 | 153.100 | J6 |
| 3126 | 9529595.338 | 354667.019 | 153.095 | J5 |
| 3127 | 9529578.728 | 354660.774 | 153.314 | J4 |
| 3128 | 9529562.596 | 354653.722 | 153.321 | J3 |
| 3129 | 9529546.639 | 354646.987 | 153.564 | J2 |
| 3130 | 9529530.926 | 354639.999 | 153.603 | J1 |
| 3151 | 9529569.967 | 354635.062 | 154.102 | J3 |
| 3152 | 9529585.570 | 354641.399 | 154.039 | J4 |
| 3153 | 9529601.225 | 354648.118 | 153.963 | J5 |
| 3154 | 9529617.446 | 354654.425 | 154.140 | J6 |
| 3155 | 9529633.124 | 354660.915 | 154.286 | J7 |
| 3156 | 9529648.799 | 354667.497 | 154.000 | J8 |
| 3157 | 9529659.669 | 354650.069 | 153.501 | J8 |
| 3158 | 9529642.683 | 354643.145 | 154.159 | J7 |
| 3159 | 9529627.473 | 354636.441 | 154.888 | J6 |
| 3160 | 9529611.310 | 354629.639 | 154.849 | J5 |
| 3161 | 9529594.794 | 354623.104 | 154.794 | J4 |
| 3162 | 9529579.066 | 354616.188 | 154.894 | J3 |
| 3163 | 9529562.315 | 354609.620 | 154.760 | J2 |
| 3164 | 9529546.491 | 354603.207 | 154.384 | J1 |
| 3178 | 9529554.403 | 354584.899 | 155.586 | J1 |
| 3179 | 9529574.079 | 354593.115 | 155.765 | J2 |
| 3180 | 9529594.005 | 354601.433 | 155.649 | J3 |
| 3181 | 9529613.960 | 354609.677 | 155.284 | J4 |
| 3182 | 9529633.550 | 354618.355 | 155.079 | J5 |
| 3183 | 9529653.546 | 354627.044 | 154.154 | J6 |
| 3184 | 9529673.617 | 354635.336 | 153.645 | J7 |
| 3185 | 9529693.767 | 354644.230 | 153.368 | J8 |
| 3186 | 9529697.927 | 354623.604 | 155.442 | J8 |
| 3187 | 9529683.492 | 354617.117 | 155.186 | J7 |
| 3188 | 9529662.128 | 354608.838 | 155.225 | J6 |
| 3189 | 9529641.585 | 354599.325 | 155.990 | J5 |
| 3190 | 9529621.245 | 354591.590 | 156.751 | J4 |
| 3191 | 9529601.043 | 354582.810 | 157.073 | J3 |
| 3192 | 9529581.525 | 354574.257 | 157.054 | J2 |
| 3193 | 9529562.145 | 354566.376 | 156.767 | J1 |
| 3210 | 9529569.773 | 354547.933 | 157.628 | J1 |
| 3211 | 9529588.910 | 354556.191 | 158.248 | J2 |
| 3212 | 9529608.212 | 354563.820 | 158.602 | J3 |
| 3213 | 9529628.196 | 354572.702 | 157.754 | J4 |
| 3214 | 9529648.476 | 354580.539 | 156.914 | J5 |
| 3215 | 9529668.330 | 354589.216 | 156.324 | J6 |
| 3216 | 9529687.931 | 354597.489 | 156.428 | J7 |
| 3217 | 9529697.313 | 354579.557 | 157.872 | J7 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3218 | 9529677.226 | 354571.192 | 158.050 | J6 |
| 3219 | 9529657.523 | 354563.037 | 158.799 | J5 |
| 3220 | 9529637.495 | 354554.259 | 159.457 | J4 |
| 3221 | 9529617.123 | 354546.422 | 159.755 | J3 |
| 3222 | 9529597.624 | 354537.737 | 159.663 | J2 |
| 3223 | 9529577.639 | 354529.670 | 158.586 | J1 |
| 3240 | 9529585.408 | 354511.162 | 159.486 | J1 |
| 3241 | 9529604.518 | 354519.378 | 161.173 | J2 |
| 3242 | 9529623.447 | 354527.571 | 161.202 | J3 |
| 3243 | 9529643.186 | 354535.966 | 161.260 | J4 |
| 3244 | 9529663.191 | 354543.884 | 161.379 | J5 |
| 3245 | 9529683.554 | 354552.706 | 160.817 | J6 |
| 3246 | 9529702.616 | 354561.008 | 159.318 | J7 |
| 3247 | 9529724.966 | 354548.370 | 159.835 | J8 |
| 3248 | 9529710.275 | 354542.040 | 160.491 | J7 |
| 3249 | 9529690.539 | 354534.323 | 162.296 | J6 |
| 3250 | 9529671.369 | 354525.571 | 163.310 | J5 |
| 3251 | 9529651.366 | 354517.139 | 163.194 | J4 |
| 3252 | 9529632.257 | 354508.688 | 162.689 | J3 |
| 3253 | 9529612.677 | 354500.624 | 161.943 | J2 |
| 3254 | 9529593.101 | 354492.813 | 160.547 | J1 |
| 3268 | 9529600.970 | 354474.390 | 161.284 | J1 |
| 3269 | 9529619.428 | 354481.848 | 162.585 | J2 |
| 3270 | 9529637.882 | 354489.941 | 163.716 | J3 |
| 3271 | 9529657.364 | 354497.745 | 164.295 | J4 |
| 3272 | 9529676.852 | 354506.373 | 164.261 | J5 |
| 3273 | 9529695.834 | 354513.913 | 163.336 | J6 |
| 3274 | 9529715.359 | 354522.283 | 161.823 | J7 |
| 3275 | 9529734.982 | 354530.327 | 160.991 | J8 |
| 3276 | 9529703.487 | 354496.177 | 164.139 | J6 |
| 3277 | 9529684.301 | 354488.034 | 165.204 | J5 |
| 3278 | 9529665.188 | 354480.239 | 165.898 | J4 |
| 3279 | 9529646.025 | 354471.832 | 164.492 | J3 |
| 3280 | 9529627.567 | 354463.980 | 163.128 | J2 |
| 3281 | 9529608.596 | 354455.982 | 161.428 | J1 |
| 3298 | 9529617.779 | 354437.813 | 161.767 | J1 |
| 3299 | 9529636.721 | 354446.270 | 163.718 | J2 |
| 3300 | 9529655.460 | 354454.200 | 165.731 | J3 |
| 3301 | 9529674.149 | 354462.260 | 167.070 | J4 |
| 3302 | 9529693.022 | 354469.863 | 165.628 | J5 |
| 3303 | 9529712.505 | 354478.075 | 164.578 | J6 |
| 3304 | 9529732.184 | 354486.205 | 163.591 | J7 |
| 3305 | 9529751.759 | 354472.418 | 163.751 | J8 |
| 3306 | 9529736.968 | 354466.276 | 164.202 | J7 |
| 3307 | 9529718.540 | 354458.680 | 165.605 | J6 |
| 3308 | 9529699.114 | 354450.882 | 166.311 | J5 |
| 3309 | 9529680.621 | 354443.155 | 167.089 | J4 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3310 | 9529661.670 | 354434.788 | 166.098 | J3 |
| 3311 | 9529642.622 | 354427.143 | 163.698 | J2 |
| 3312 | 9529624.279 | 354419.293 | 161.795 | J1 |
| 3329 | 9529632.182 | 354400.985 | 162.145 | J1 |
| 3330 | 9529650.406 | 354408.822 | 163.913 | J2 |
| 3331 | 9529668.315 | 354415.485 | 165.882 | J3 |
| 3332 | 9529687.617 | 354424.623 | 167.141 | J4 |
| 3333 | 9529707.276 | 354433.034 | 166.461 | J5 |
| 3334 | 9529726.752 | 354441.605 | 165.755 | J6 |
| 3335 | 9529745.876 | 354449.746 | 165.068 | J7 |
| 3336 | 9529763.160 | 354453.617 | 164.597 | J8 |
| 3337 | 9529775.581 | 354439.211 | 165.316 | J8 |
| 3338 | 9529756.045 | 354430.874 | 165.670 | J7 |
| 3339 | 9529736.206 | 354423.084 | 166.354 | J6 |
| 3340 | 9529716.505 | 354414.942 | 166.702 | J5 |
| 3341 | 9529697.783 | 354406.826 | 166.774 | J4 |
| 3342 | 9529678.155 | 354398.750 | 165.160 | J3 |
| 3343 | 9529659.553 | 354390.814 | 163.410 | J2 |
| 3344 | 9529639.993 | 354382.474 | 161.211 | J1 |
| 3359 | 9529650.992 | 354356.087 | 163.344 | J1 |
| 3360 | 9529670.037 | 354363.918 | 163.778 | J2 |
| 3361 | 9529688.988 | 354372.291 | 164.837 | J3 |
| 3362 | 9529708.066 | 354380.605 | 167.567 | J4 |
| 3363 | 9529727.258 | 354388.457 | 167.562 | J5 |
| 3364 | 9529747.303 | 354397.222 | 167.197 | J6 |
| 3365 | 9529765.370 | 354405.207 | 166.836 | J7 |
| 3366 | 9529783.745 | 354414.046 | 166.455 | J8 |
| 3367 | 9529790.267 | 354388.931 | 167.842 | J8 |
| 3368 | 9529774.755 | 354383.462 | 168.029 | J7 |
| 3369 | 9529756.139 | 354376.530 | 168.282 | J6 |
| 3370 | 9529735.931 | 354368.693 | 168.333 | J5 |
| 3371 | 9529716.218 | 354361.756 | 168.047 | J4 |
| 3372 | 9529696.831 | 354354.078 | 166.990 | J3 |
| 3373 | 9529677.656 | 354346.141 | 165.987 | J2 |
| 3374 | 9529658.925 | 354337.857 | 165.071 | J1 |
| 3391 | 9529666.503 | 354319.652 | 165.356 | J1 |
| 3392 | 9529684.964 | 354327.828 | 166.808 | J2 |
| 3393 | 9529704.160 | 354335.362 | 168.150 | J3 |
| 3394 | 9529723.405 | 354344.001 | 168.926 | J4 |
| 3395 | 9529743.559 | 354352.089 | 169.097 | J5 |
| 3396 | 9529762.819 | 354360.678 | 169.009 | J6 |
| 3397 | 9529782.861 | 354368.601 | 168.765 | J7 |
| 3398 | 9529796.191 | 354376.140 | 168.540 | J8 |
| 3399 | 9529801.911 | 354353.678 | 169.993 | J8 |
| 3400 | 9529785.807 | 354348.628 | 170.031 | J7 |
| 3401 | 9529767.404 | 354340.371 | 169.838 | J6 |
| 3402 | 9529748.110 | 354332.710 | 169.730 | J5 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 3403 | 9529728.866 | 354324.369 | 169.083 | J4 |
| 3404 | 9529710.948 | 354316.781 | 168.007 | J3 |
| 3405 | 9529692.980 | 354309.332 | 166.807 | J2 |
| 3406 | 9529674.722 | 354301.388 | 165.743 | J1 |
| 3423 | 9529682.169 | 354282.655 | 163.312 | J1 |
| 3424 | 9529700.432 | 354290.198 | 166.462 | J2 |
| 3425 | 9529718.811 | 354298.124 | 167.645 | J3 |
| 3426 | 9529738.500 | 354306.012 | 169.042 | J4 |
| 3427 | 9529758.381 | 354314.192 | 170.028 | J5 |
| 3428 | 9529777.907 | 354322.229 | 170.576 | J6 |
| 3429 | 9529793.325 | 354326.058 | 170.942 | J7 |
| 3431 | 9529821.295 | 354320.609 | 170.178 | J8 |
| 3432 | 9529801.345 | 354312.048 | 171.011 | J7 |
| 3433 | 9529782.232 | 354303.989 | 170.950 | J6 |
| 3434 | 9529763.129 | 354295.395 | 170.280 | J5 |
| 3435 | 9529744.020 | 354287.243 | 168.631 | J4 |
| 3436 | 9529725.864 | 354279.237 | 166.906 | J3 |
| 3437 | 9529708.225 | 354271.914 | 165.139 | J2 |
| 3438 | 9529690.095 | 354264.460 | 163.362 | J1 |
| 3455 | 9529697.963 | 354246.131 | 163.323 | J1 |
| 3456 | 9529718.106 | 354254.506 | 165.111 | J2 |
| 3457 | 9529737.916 | 354262.289 | 166.979 | J3 |
| 3458 | 9529757.951 | 354270.290 | 168.575 | J4 |
| 3459 | 9529778.221 | 354278.272 | 170.572 | J5 |
| 3460 | 9529797.829 | 354286.398 | 170.971 | J6 |
| 3461 | 9529817.042 | 354293.906 | 170.317 | J7 |
| 3462 | 9529833.838 | 354298.843 | 169.136 | J8 |
| 3463 | 9529834.038 | 354281.408 | 169.102 | J8 |
| 3464 | 9529818.887 | 354275.638 | 170.044 | J7 |
| 3465 | 9529798.890 | 354267.519 | 170.669 | J6 |
| 3466 | 9529779.276 | 354259.538 | 170.393 | J5 |
| 3467 | 9529760.264 | 354251.236 | 169.307 | J4 |
| 3468 | 9529741.052 | 354242.915 | 167.113 | J3 |
| 3469 | 9529723.504 | 354235.041 | 165.606 | J2 |
| 3470 | 9529705.872 | 354227.863 | 164.302 | J1 |
| 3487 | 9529713.369 | 354209.391 | 165.308 | J1 |
| 3488 | 9529731.660 | 354218.177 | 166.501 | J2 |
| 3489 | 9529750.233 | 354227.247 | 167.863 | J3 |
| 3490 | 9529769.174 | 354234.901 | 169.871 | J4 |
| 3491 | 9529787.991 | 354243.177 | 170.927 | J5 |
| 3492 | 9529806.585 | 354251.047 | 170.204 | J6 |
| 3493 | 9529821.511 | 354260.892 | 169.804 | J7 |
| 3494 | 9529838.443 | 354265.976 | 168.740 | J8 |
| 3495 | 9529839.540 | 354247.809 | 168.792 | J8 |
| 3496 | 9529826.663 | 354243.487 | 169.649 | J7 |
| 3497 | 9529812.092 | 354238.126 | 170.611 | J6 |
| 3498 | 9529798.813 | 354230.998 | 171.004 | J5 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3499 | 9529778.690 | 354220.171 | 170.794 | J4 |
| 3500 | 9529759.649 | 354210.142 | 169.442 | J3 |
| 3501 | 9529740.538 | 354199.774 | 169.109 | J2 |
| 3502 | 9529721.114 | 354191.164 | 166.281 | J1 |
| 3519 | 9529728.735 | 354172.683 | 168.108 | J1 |
| 3520 | 9529747.956 | 354180.526 | 169.751 | J2 |
| 3521 | 9529772.962 | 354191.448 | 170.794 | J3 |
| 3522 | 9529791.441 | 354201.102 | 171.842 | J4 |
| 3523 | 9529810.933 | 354207.348 | 172.132 | J5 |
| 3524 | 9529829.118 | 354216.759 | 171.035 | J6 |
| 3525 | 9529844.066 | 354226.505 | 169.356 | J7 |
| 3526 | 9529850.523 | 354201.081 | 171.188 | J7 |
| 3527 | 9529837.179 | 354197.110 | 171.501 | J6 |
| 3528 | 9529817.974 | 354188.746 | 173.500 | J5 |
| 3529 | 9529798.355 | 354180.121 | 172.436 | J4 |
| 3530 | 9529776.575 | 354171.062 | 171.306 | J3 |
| 3531 | 9529756.221 | 354162.295 | 169.858 | J2 |
| 3532 | 9529736.903 | 354154.238 | 168.885 | J1 |
| 3548 | 9529744.429 | 354135.689 | 169.892 | J1 |
| 3549 | 9529762.954 | 354143.793 | 170.795 | J2 |
| 3550 | 9529781.577 | 354151.810 | 171.919 | J3 |
| 3551 | 9529799.258 | 354159.480 | 173.455 | J4 |
| 3552 | 9529817.194 | 354167.006 | 174.968 | J5 |
| 3553 | 9529827.973 | 354171.437 | 174.950 | J6 |
| 3554 | 9529844.821 | 354178.977 | 173.861 | J7 |
| 3555 | 9529858.476 | 354187.654 | 171.962 | J8 |
| 3556 | 9529864.526 | 354167.990 | 174.511 | J8 |
| 3557 | 9529850.571 | 354159.133 | 176.543 | J7 |
| 3558 | 9529833.616 | 354151.895 | 176.860 | J6 |
| 3559 | 9529817.503 | 354145.006 | 175.916 | J5 |
| 3560 | 9529801.165 | 354138.258 | 174.104 | J4 |
| 3561 | 9529785.039 | 354131.310 | 172.732 | J3 |
| 3562 | 9529769.509 | 354124.616 | 171.288 | J2 |
| 3563 | 9529752.431 | 354117.377 | 170.308 | J1 |
| 3581 | 9529760.366 | 354098.798 | 172.003 | J1 |
| 3582 | 9529778.904 | 354106.740 | 173.175 | J2 |
| 3583 | 9529797.535 | 354115.052 | 174.921 | J3 |
| 3584 | 9529815.703 | 354122.633 | 177.288 | J4 |
| 3585 | 9529834.131 | 354130.670 | 178.463 | J5 |
| 3586 | 9529852.101 | 354138.626 | 178.795 | J6 |
| 3587 | 9529870.604 | 354146.304 | 177.483 | J7 |
| 3588 | 9529884.102 | 354150.453 | 175.970 | J8 |
| 3589 | 9529892.534 | 354133.000 | 178.380 | J8 |
| 3590 | 9529881.962 | 354127.593 | 180.319 | J7 |
| 3591 | 9529864.542 | 354120.251 | 181.883 | J6 |
| 3592 | 9529847.626 | 354113.427 | 181.652 | J5 |
| 3594 | 9529800.302 | 354093.563 | 176.414 | J3 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3595 | 9529783.556 | 354087.242 | 174.553 | J2 |
| 3596 | 9529769.224 | 354081.019 | 173.467 | J1 |
| 3615 | 9529775.792 | 354062.100 | 175.065 | J1 |
| 3616 | 9529794.678 | 354069.730 | 177.364 | J2 |
| 3617 | 9529813.129 | 354078.007 | 179.188 | J3 |
| 3618 | 9529831.679 | 354085.675 | 182.086 | J4 |
| 3619 | 9529849.117 | 354093.407 | 183.906 | J5 |
| 3620 | 9529867.610 | 354101.107 | 184.810 | J6 |
| 3622 | 9529887.171 | 354109.846 | 183.888 | J7 |
| 3623 | 9529902.374 | 354096.044 | 187.129 | J8 |
| 3624 | 9529883.944 | 354088.665 | 187.841 | J7 |
| 3625 | 9529864.823 | 354080.192 | 186.918 | J6 |
| 3626 | 9529846.561 | 354072.187 | 185.475 | J5 |
| 3627 | 9529830.609 | 354065.298 | 183.671 | J4 |
| 3628 | 9529815.153 | 354058.428 | 181.955 | J3 |
| 3629 | 9529799.284 | 354050.924 | 179.270 | J2 |
| 3630 | 9529783.495 | 354043.879 | 177.840 | J1 |
| 3648 | 9529791.071 | 354026.001 | 181.623 | J1 |
| 3649 | 9529808.415 | 354033.900 | 183.882 | J2 |
| 3650 | 9529825.525 | 354041.517 | 185.534 | J3 |
| 3651 | 9529843.520 | 354049.332 | 186.951 | J4 |
| 3652 | 9529860.392 | 354057.065 | 188.988 | J5 |
| 3653 | 9529895.565 | 354073.197 | 190.718 | J7 |
| 3654 | 9529912.990 | 354080.969 | 189.448 | J8 |
| 3655 | 9529919.966 | 354057.642 | 191.581 | J8 |
| 3656 | 9529904.466 | 354052.355 | 193.427 | J7 |
| 3657 | 9529885.979 | 354044.799 | 193.986 | J6 |
| 3658 | 9529868.526 | 354037.538 | 194.188 | J5 |
| 3659 | 9529851.288 | 354030.188 | 192.592 | J4 |
| 3660 | 9529832.163 | 354022.618 | 190.181 | J3 |
| 3661 | 9529817.381 | 354015.881 | 188.668 | J2 |
| 3662 | 9529798.944 | 354007.737 | 186.617 | J1 |
| 3677 | 9529806.370 | 353989.930 | 192.200 | J1 |
| 3678 | 9529824.086 | 353997.432 | 194.084 | J2 |
| 3679 | 9529840.930 | 354004.755 | 196.031 | J3 |
| 3680 | 9529857.566 | 354011.756 | 197.488 | J4 |
| 3681 | 9529874.735 | 354018.828 | 197.465 | J5 |
| 3683 | 9529908.216 | 354032.676 | 193.904 | J7 |
| 3684 | 9529924.979 | 354039.811 | 190.664 | J8 |
| 3685 | 9529934.692 | 354023.073 | 187.455 | J8 |
| 3686 | 9529916.276 | 354015.317 | 191.180 | J7 |
| 3687 | 9529898.693 | 354008.221 | 195.015 | J6 |
| 3688 | 9529881.629 | 354001.063 | 198.734 | J5 |
| 3689 | 9529864.850 | 353993.899 | 199.944 | J4 |
| 3690 | 9529847.915 | 353986.332 | 200.133 | J3 |
| 3691 | 9529814.054 | 353972.182 | 197.065 | J1 |
| 3707 | 9529821.666 | 353953.682 | 200.635 | J1 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3708 | 9529838.900 | 353960.914 | 201.841 | J2 |
| 3709 | 9529857.899 | 353969.047 | 201.589 | J3 |
| 3710 | 9529873.905 | 353975.647 | 199.955 | J4 |
| 3711 | 9529890.891 | 353982.442 | 195.386 | J5 |
| 3712 | 9529908.275 | 353990.266 | 191.254 | J6 |
| 3713 | 9529922.772 | 353996.144 | 189.038 | J7 |
| 3714 | 9529942.320 | 354004.006 | 184.799 | J8 |
| 3715 | 9529944.092 | 353980.515 | 181.737 | J8 |
| 3716 | 9529924.242 | 353972.505 | 186.797 | J7 |
| 3717 | 9529911.284 | 353967.406 | 189.728 | J6 |
| 3718 | 9529896.590 | 353961.406 | 193.693 | J5 |
| 3719 | 9529879.249 | 353953.853 | 197.591 | J4 |
| 3720 | 9529862.698 | 353946.961 | 201.207 | J3 |
| 3721 | 9529847.049 | 353940.610 | 202.604 | J2 |
| 3722 | 9529830.627 | 353933.870 | 202.323 | J1 |
| 3748 | 9529457.182 | 355259.689 | 159.305 | J1 |
| 3749 | 9529473.780 | 355258.613 | 158.854 | J2 |
| 3750 | 9529491.293 | 355257.304 | 157.981 | J3 |
| 3751 | 9529508.546 | 355256.182 | 157.268 | J4 |
| 3752 | 9529525.579 | 355254.990 | 156.366 | J5 |
| 3753 | 9529542.258 | 355254.034 | 155.426 | J6 |
| 3754 | 9529559.424 | 355252.611 | 156.380 | J7 |
| 3755 | 9529576.651 | 355251.560 | 157.325 | J8 |
| 3813 | 9529522.800 | 355036.307 | 150.241 | J5 |
| 3814 | 9529543.315 | 355035.148 | 150.180 | J6 |
| 3815 | 9529562.927 | 355033.993 | 150.266 | J7 |
| 3816 | 9529582.828 | 355032.550 | 151.052 | J8 |
| 3817 | 9529584.270 | 355053.044 | 150.243 | J8 |
| 3818 | 9529563.504 | 355054.487 | 150.293 | J7 |
| 3819 | 9529544.757 | 355055.931 | 150.612 | J6 |
| 3820 | 9529524.279 | 355057.085 | 150.821 | J5 |
| 3821 | 9529505.244 | 355057.951 | 150.218 | J4 |
| 3822 | 9529483.324 | 355059.683 | 150.148 | J3 |
| 3823 | 9529465.154 | 355061.415 | 150.068 | J2 |
| 3824 | 9529444.294 | 355064.016 | 150.272 | J1 |
| 3825 | 9529446.024 | 355083.644 | 151.369 | J1 |
| 3826 | 9529467.367 | 355082.201 | 151.400 | J2 |
| 3827 | 9529487.845 | 355080.469 | 151.428 | J3 |
| 3828 | 9529507.746 | 355078.160 | 151.662 | J4 |
| 3829 | 9529526.781 | 355077.871 | 151.394 | J5 |
| 3830 | 9529547.699 | 355077.285 | 150.819 | J6 |
| 3831 | 9529565.869 | 355075.265 | 150.319 | J7 |
| 3832 | 9529585.770 | 355073.822 | 150.267 | J8 |
| 3838 | 9529412.816 | 356153.152 | 173.236 | J6 |
| 3839 | 9529427.647 | 356167.704 | 173.648 | J7 |
| 3840 | 9529440.151 | 356176.144 | 173.910 | J8 |
| 3841 | 9529422.703 | 356192.734 | 174.735 | J8 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|--|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3842 | 9529410.489 | 356181.383 | 174.322 | J7 |
| 3844 | 9529518.673 | 356116.672 | 174.323 | J8 |
| 3848 | 9529579.490 | 356012.436 | 176.824 | J6 |
| 3849 | 9529602.837 | 356020.381 | 176.293 | J7 |
| 3855 | 9529606.573 | 355970.376 | 177.877 | J6 |
| 3858 | 9529500.576 | 355932.055 | 180.659 | J1 |
| 3859 | 9529522.055 | 355933.457 | 181.126 | J2 |
| 3866 | 9529374.640 | 356236.457 | 175.922 | J8 |
| 3867 | 9529348.958 | 356255.618 | 176.674 | J8 |
| 3868 | 9529329.346 | 356269.171 | 177.082 | J1 |
| 3869 | 9529302.730 | 356296.276 | 177.183 | J8 |
| 3870 | 9529286.387 | 356309.361 | 176.758 | J8 |
| 3871 | 9529300.862 | 356272.442 | 177.280 | J7 |
| 3872 | 9529311.063 | 356287.490 | 177.255 | J8 |
| 3873 | 9529161.107 | 356408.669 | 176.175 | J8 |
| 3875 | 9528963.592 | 356575.288 | 182.447 | J8 |
| 3876 | 9528840.733 | 356656.449 | 178.105 | J6 |
| 3877 | 9528855.484 | 356670.916 | 178.249 | J7 |
| 3878 | 9528870.826 | 356681.841 | 178.204 | J8 |
| 3879 | 9528857.845 | 356697.195 | 177.709 | J8 |
| 3884 | 9528316.697 | 357097.905 | 187.410 | J1 |
| 3885 | 9528329.487 | 357110.706 | 187.469 | J2 |
| 3886 | 9528345.594 | 357123.507 | 187.169 | J3 |
| 3887 | 9528359.332 | 357137.731 | 186.926 | J4 |
| 3888 | 9528374.965 | 357151.480 | 186.453 | J5 |
| 3889 | 9528390.598 | 357164.755 | 186.273 | J6 |
| 3892 | 9528474.588 | 357098.373 | 184.606 | J7 |
| 3893 | 9528498.748 | 357077.038 | 184.297 | J7 |
| 4847 | 9529831.493 | 353979.173 | 197.962 | J2 |
| 4848 | 9529875.401 | 354062.495 | 190.452 | J6 |
| 4851 | 9529723.771 | 354504.244 | 162.707 | J7 |
| 4852 | 9529746.504 | 354490.137 | 163.039 | J8 |
| 4853 | 9529741.508 | 354509.184 | 162.137 | J8 |
| 4854 | 9529718.365 | 354566.589 | 158.948 | J8 |
| 4855 | 9529711.866 | 354584.534 | 157.926 | J8 |
| 4856 | 9529705.127 | 354603.442 | 156.703 | J8 |
| 4857 | 9529439.758 | 355011.924 | 153.171 | J1 |
| 4858 | 9529460.013 | 354993.196 | 152.946 | J2 |
| 4859 | 9529558.521 | 355007.022 | 154.304 | J7 |
| 4860 | 9529578.844 | 355006.850 | 154.309 | J8 |
| 5160 | 9529290.005 | 356282.485 | 177.279 | J7 |
| 5161 | 9529274.312 | 356296.135 | 177.223 | J7 |
| 5162 | 9529364.226 | 356247.903 | 176.325 | J8 |
| 5163 | 9529428.485 | 356138.780 | 173.111 | J6 |
| 5164 | 9529442.255 | 356154.529 | 173.253 | J7 |
| 5165 | 9529453.480 | 356167.383 | 173.490 | J8 |
| 5166 | 9529456.289 | 356141.787 | 173.026 | J7 |

| CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5167 | 9529468.555 | 356156.725 | 172.919 | J8 |
| 5168 | 9529477.835 | 356070.981 | 175.387 | J5 |
| 5169 | 9529490.262 | 356085.779 | 175.287 | J6 |
| 5170 | 9529503.061 | 356099.956 | 175.009 | J6 |
| 5171 | 9529521.083 | 355635.032 | 179.633 | J3 |
| 5172 | 9529532.379 | 355416.605 | 169.106 | J5 |
| 5173 | 9529548.063 | 355416.605 | 171.960 | J6 |
| 5174 | 9528829.609 | 356669.096 | 178.223 | J6 |
| 5175 | 9528843.432 | 356683.212 | 178.283 | J7 |
| 5176 | 9528683.306 | 356834.426 | 178.056 | J6 |
| 5177 | 9528487.229 | 357086.929 | 184.424 | J7 |
| 5178 | 9528459.751 | 357112.630 | 185.071 | J7 |
| 11479 | 9529499.664 | 355915.083 | 180.937 | J1 |
| 11480 | 9529520.277 | 355914.123 | 181.597 | J2 |
| 11481 | 9529522.734 | 355950.255 | 180.513 | J2 |
| 11482 | 9529540.141 | 355911.789 | 181.668 | J3 |
| 11491 | 9529504.002 | 355970.030 | 179.617 | J2 |
| 11494 | 9529522.837 | 355981.211 | 179.119 | J3 |
| 11496 | 9529543.259 | 355992.685 | 178.409 | J4 |
| 11497 | 9529502.530 | 355951.243 | 180.225 | J1 |
| 11499 | 9529522.197 | 355942.926 | 180.829 | J2 |
| 11500 | 9529542.192 | 355943.518 | 180.506 | J3 |
| 11501 | 9529560.892 | 355930.035 | 180.169 | J4 |
| 11502 | 9529562.077 | 355943.968 | 179.614 | J4 |
| 11503 | 9529564.595 | 355961.605 | 178.957 | J4 |
| 11504 | 9529557.634 | 355975.982 | 178.509 | J4 |
| 11505 | 9529578.814 | 355908.396 | 181.441 | J5 |
| 11506 | 9529582.665 | 355944.709 | 179.243 | J5 |
| 11507 | 9529584.590 | 355964.718 | 178.408 | J5 |
| 11508 | 9529599.290 | 355906.608 | 181.651 | J6 |
| 11509 | 9529600.771 | 355925.876 | 180.085 | J6 |
| 11510 | 9529603.289 | 355946.181 | 178.950 | J6 |
| 11511 | 9529595.735 | 355993.017 | 177.072 | J6 |
| 11512 | 9529619.478 | 355905.412 | 181.855 | J7 |
| 11513 | 9529621.255 | 355925.421 | 179.841 | J7 |
| 11514 | 9529623.181 | 355945.281 | 179.049 | J7 |
| 11515 | 9529625.699 | 355976.110 | 177.512 | J7 |
| 11516 | 9529615.775 | 356003.382 | 176.712 | J7 |
| 11517 | 9529639.792 | 355903.328 | 182.474 | J8 |
| 11518 | 9529642.050 | 355923.213 | 180.711 | J8 |
| 11519 | 9529644.308 | 355946.865 | 179.219 | J8 |
| 11520 | 9529645.362 | 355979.856 | 177.253 | J8 |
| 11521 | 9529637.210 | 356008.543 | 176.500 | J8 |
| 11522 | 9529622.759 | 356024.361 | 176.129 | J8 |
| 11523 | 9529564.192 | 354697.662 | 152.555 | J4 |
| 11524 | 9529892.336 | 354026.510 | 194.500 | J6 |
| 11529 | 9528845.474 | 356711.116 | 177.310 | J8 |

CADERNETA DE CAMPO – EIXO DO BARRAMENTO E SECÇÕES TRANSVERSAIS

| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
|-------|-------------|------------|---------|-----------|
| | Y | X | | |
| 11530 | 9529823.691 | 354104.154 | 179.687 | J4 |
| 11531 | 9529440.514 | 355998.568 | 178.750 | J1 |

CADERNETA DE CAMPO-VERTEDOURO

| CADERNETA DE CAMPO VERTEDOIRO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| VERTEDOIRO EIXO | | | | |
| 6122 | 9530059.990 | 354854.752 | 152.635 | E-81 |
| 511 | 9530060.246 | 354833.508 | 153.567 | E-80 |
| 512 | 9530060.692 | 354813.492 | 152.505 | E-79 |
| 513 | 9530061.016 | 354793.502 | 153.458 | E-78 |
| 514 | 9530061.460 | 354773.566 | 155.341 | E-77 |
| 515 | 9530062.057 | 354753.662 | 157.722 | E-76 |
| 516 | 9530062.046 | 354733.457 | 159.502 | E-75 |
| 517 | 9530062.372 | 354713.530 | 160.849 | E-70 |
| 4447 | 9530062.771 | 354693.507 | 161.599 | E-69 |
| 4448 | 9530063.175 | 354673.439 | 162.456 | E-68 |
| 4449 | 9530063.625 | 354653.351 | 164.359 | E-67 |
| 4450 | 9530064.021 | 354633.331 | 165.424 | E-66 |
| 4451 | 9530064.597 | 354613.325 | 166.769 | E-65 |
| 4452 | 9530064.965 | 354593.572 | 167.321 | E-64 |
| 4453 | 9530065.358 | 354573.610 | 167.712 | E-63 |
| 4454 | 9530065.748 | 354553.600 | 168.016 | E-62 |
| 4455 | 9530066.181 | 354533.610 | 168.023 | E-61 |
| 4456 | 9530066.522 | 354513.606 | 168.369 | E-60 |
| 4457 | 9530066.892 | 354493.613 | 168.246 | E-59 |
| 4458 | 9530067.300 | 354473.604 | 168.598 | E-58 |
| 4459 | 9530067.737 | 354453.589 | 168.017 | E-57 |
| 4460 | 9530068.047 | 354433.675 | 169.245 | E-56 |
| 4461 | 9530068.448 | 354413.627 | 169.968 | E-55 |
| 4462 | 9530068.901 | 354393.601 | 170.390 | E-54 |
| 4463 | 9530069.298 | 354373.625 | 170.165 | E-53 |
| 4464 | 9530069.655 | 354353.683 | 170.027 | E-52 |
| 4465 | 9530070.170 | 354333.625 | 169.994 | E-51 |
| 4466 | 9530070.499 | 354313.637 | 171.420 | E-50 |
| 4467 | 9530070.911 | 354293.612 | 173.371 | E-49 |
| 4468 | 9530071.218 | 354273.634 | 174.641 | E-48 |
| 4469 | 9530071.620 | 354253.697 | 175.761 | E-47 |
| 4470 | 9530072.046 | 354233.644 | 176.775 | E-46 |
| 4471 | 9530072.375 | 354213.678 | 177.376 | E-45 |
| 4472 | 9530072.825 | 354193.684 | 179.353 | E-44 |
| 4473 | 9530073.248 | 354173.669 | 177.831 | E-43 |
| 4474 | 9530073.633 | 354153.679 | 177.375 | E-42 |
| 4475 | 9530074.063 | 354133.693 | 176.737 | E-41 |
| 4476 | 9530074.414 | 354113.672 | 175.738 | E-40 |
| 4477 | 9530074.806 | 354093.680 | 176.475 | E-39 |
| 3907 | 9530075.185 | 354073.667 | 176.889 | E-38 |
| 3908 | 9530075.564 | 354053.675 | 178.064 | E-37 |
| 3909 | 9530075.980 | 354033.696 | 179.253 | E-36 |
| 3910 | 9530076.378 | 354013.688 | 179.547 | E-35 |
| 3911 | 9530076.719 | 353993.705 | 179.962 | E-34 |
| 3912 | 9530077.183 | 353973.690 | 180.067 | E-33 |
| 3913 | 9530077.561 | 353953.710 | 181.283 | E-32 |

| CADERNETA DE CAMPO VERTEDOIRO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3914 | 9530077.957 | 353933.703 | 182.592 | E-31 |
| 3915 | 9530078.354 | 353913.718 | 184.762 | E-14 |
| 3916 | 9530078.741 | 353893.714 | 185.573 | E-13 |
| 4478 | 9530079.160 | 353873.700 | 186.429 | E-12 |
| 3917 | 9530079.521 | 353854.137 | 186.784 | E-11 |
| 3918 | 9530061.143 | 353846.117 | 186.600 | E-10 |
| 3919 | 9530042.948 | 353838.651 | 186.135 | E-09 |
| 3920 | 9530024.221 | 353830.890 | 185.685 | E-08 |
| 3921 | 9530005.628 | 353822.942 | 184.953 | E-07 |
| 3922 | 9529987.371 | 353814.945 | 180.400 | E-06 |
| 3923 | 9529968.709 | 353807.531 | 178.743 | E-05 |
| 3924 | 9529950.288 | 353799.716 | 180.358 | E-04 |
| 3925 | 9529931.930 | 353791.578 | 182.795 | E-03 |
| 3926 | 9529913.284 | 353784.234 | 185.113 | E-02 |
| 3927 | 9529894.991 | 353776.052 | 190.199 | E-01 |
| 3928 | 9529876.389 | 353768.574 | 191.078 | E-00 |
| 3929 | 9529857.901 | 353760.808 | 191.611 | E-01 |
| 3930 | 9529839.540 | 353752.842 | 193.633 | E-02 |
| 3932 | 9529821.167 | 353744.938 | 195.301 | E-03 |
| 3933 | 9529802.747 | 353737.018 | 195.835 | E-04 |
| 3934 | 9529784.267 | 353729.592 | 193.032 | E-05 |
| 3935 | 9529765.893 | 353721.729 | 191.746 | E-06 |
| 3936 | 9529747.446 | 353713.900 | 189.407 | E-07 |
| 3937 | 9529729.223 | 353706.023 | 187.564 | E-08 |
| 3938 | 9529710.632 | 353698.404 | 184.258 | E-09 |
| 3939 | 9529692.134 | 353690.620 | 183.416 | E-10 |
| 3940 | 9529673.762 | 353682.747 | 181.818 | E-11 |
| 3941 | 9529655.343 | 353674.995 | 187.470 | E-12 |
| 3942 | 9529636.962 | 353667.216 | 192.064 | E-13 |
| 3943 | 9529618.578 | 353659.365 | 196.668 | E-14 |
| 3944 | 9529600.071 | 353651.556 | 199.972 | E-15 |
| 3945 | 9529581.615 | 353643.740 | 201.453 | E-16 |
| 3946 | 9529563.198 | 353636.067 | 202.100 | E-17 |
| 3967 | 9529544.778 | 353628.344 | 199.769 | E-18 |
| 3968 | 9529526.404 | 353620.404 | 195.744 | E-19 |
| 3973 | 9529508.032 | 353612.649 | 188.389 | E-20 |
| 3972 | 9529489.574 | 353604.769 | 186.167 | E-21 |
| 3969 | 9529471.152 | 353596.966 | 187.368 | E-22 |
| 3970 | 9529452.770 | 353589.210 | 188.501 | E-23 |
| 3971 | 9529434.446 | 353581.225 | 188.830 | E-24 |
| 3974 | 9529416.053 | 353573.567 | 185.044 | E-25 |
| 3975 | 9529397.496 | 353565.821 | 180.560 | E-26 |
| 3976 | 9529379.085 | 353557.914 | 178.209 | E-27 |
| 3977 | 9529360.717 | 353550.174 | 182.286 | E-28 |
| 3978 | 9529342.213 | 353542.412 | 184.718 | E-29 |
| 3979 | 9529323.864 | 353534.627 | 186.464 | E-30 |
| 3980 | 9529305.534 | 353526.847 | 187.403 | E-31 |
| 3981 | 9529287.164 | 353518.905 | 187.572 | E-32 |

| CADERNETA DE CAMPO VERTEDOIRO | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3982 | 9529268.661 | 353511.225 | 187.592 | E-33 |
| 3983 | 9529250.277 | 353503.422 | 187.725 | E-34 |
| 3984 | 9529231.822 | 353495.533 | 187.854 | E-35 |
| 3985 | 9529213.497 | 353487.721 | 187.945 | E-36 |
| 3986 | 9529195.143 | 353479.994 | 187.779 | E-37 |
| 3987 | 9529176.823 | 353472.328 | 187.033 | E-38 |
| 3988 | 9529158.228 | 353464.275 | 186.204 | E-39 |
| 3989 | 9529139.837 | 353456.546 | 186.079 | E-40 |
| 3990 | 9529121.254 | 353448.763 | 184.596 | E-41 |
| 3991 | 9529102.791 | 353441.036 | 182.974 | E-42 |
| 4036 | 9529077.143 | 353430.302 | 182.349 | E-43 |
| SECÇÕES TRANSVERSAIS DO VERTEDOIRO | | | | |
| 179 | 9529085.328 | 353412.697 | 181.587 | PC |
| 180 | 9529093.849 | 353393.872 | 180.908 | PC |
| 181 | 9529103.490 | 353375.434 | 180.115 | PC |
| 182 | 9529124.976 | 353385.954 | 180.923 | PC |
| 183 | 9529117.888 | 353404.761 | 181.340 | PC |
| 184 | 9529111.003 | 353423.472 | 182.012 | PC |
| 185 | 9529098.007 | 353460.592 | 183.574 | PC |
| 186 | 9529091.375 | 353479.932 | 184.489 | PC |
| 188 | 9529108.963 | 353506.260 | 185.309 | PC |
| 189 | 9529113.836 | 353487.637 | 185.547 | PC |
| 190 | 9529119.095 | 353467.894 | 185.582 | PC |
| 191 | 9529127.383 | 353429.927 | 183.139 | PC |
| 192 | 9529134.384 | 353409.682 | 182.124 | PC |
| 194 | 9529138.291 | 353392.372 | 181.638 | PC |
| 195 | 9529150.809 | 353400.379 | 182.441 | PC |
| 196 | 9529147.022 | 353418.723 | 183.586 | PC |
| 197 | 9529144.130 | 353437.315 | 184.939 | PC |
| 199 | 9529135.322 | 353495.994 | 186.304 | PC |
| 200 | 9529132.093 | 353515.266 | 186.221 | PC |
| 222 | 9529220.721 | 353470.727 | 186.808 | PC |
| 314 | 9529503.560 | 353558.240 | 202.400 | PC |
| 318 | 9529501.010 | 353625.557 | 189.769 | PC |
| 348 | 9529606.431 | 353632.598 | 198.690 | PC |
| 365 | 9529660.992 | 353655.205 | 186.399 | PC |
| 384 | 9529716.729 | 353679.872 | 186.199 | PC |
| 389 | 9529722.294 | 353722.914 | 186.815 | PC |
| 390 | 9529715.028 | 353741.694 | 185.653 | PC |
| 391 | 9529709.034 | 353758.739 | 187.742 | PC |
| 392 | 9529740.305 | 353730.450 | 187.639 | PC |
| 393 | 9529725.754 | 353764.277 | 191.270 | PC |
| 394 | 9529732.933 | 353748.662 | 186.508 | PC |
| 395 | 9529801.128 | 353796.952 | 196.216 | PC |
| 396 | 9529808.230 | 353778.447 | 195.714 | PC |
| 397 | 9529814.316 | 353760.989 | 195.325 | PC |
| 398 | 9529825.270 | 353726.558 | 195.481 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 399 | 9529830.122 | 353709.171 | 195.165 | PC |
| 400 | 9529834.188 | 353693.090 | 195.197 | PC |
| 401 | 9529861.069 | 353702.148 | 191.627 | PC |
| 402 | 9529853.825 | 353719.138 | 192.323 | PC |
| 403 | 9529846.154 | 353736.810 | 192.628 | PC |
| 404 | 9529831.754 | 353770.365 | 194.611 | PC |
| 405 | 9529824.659 | 353787.281 | 195.998 | PC |
| 406 | 9529818.824 | 353805.081 | 197.541 | PC |
| 407 | 9529838.446 | 353814.457 | 196.627 | PC |
| 408 | 9529845.140 | 353796.031 | 196.130 | PC |
| 409 | 9529851.266 | 353778.660 | 192.450 | PC |
| 410 | 9529864.230 | 353744.114 | 191.097 | PC |
| 411 | 9529869.794 | 353727.644 | 191.023 | PC |
| 412 | 9529876.352 | 353710.069 | 190.338 | PC |
| 413 | 9529896.451 | 353719.850 | 187.532 | PC |
| 414 | 9529889.600 | 353736.071 | 189.546 | PC |
| 415 | 9529883.001 | 353752.373 | 189.959 | PC |
| 416 | 9529916.786 | 353724.643 | 185.687 | PC |
| 417 | 9529907.451 | 353745.487 | 186.419 | PC |
| 418 | 9529901.188 | 353760.946 | 188.079 | PC |
| 419 | 9529888.090 | 353793.761 | 191.448 | PC |
| 420 | 9529881.724 | 353809.902 | 192.690 | PC |
| 421 | 9529876.656 | 353824.991 | 193.160 | PC |
| 422 | 9529895.608 | 353834.043 | 190.754 | PC |
| 484 | 9530100.154 | 353859.639 | 187.553 | PC |
| 485 | 9530118.268 | 353860.726 | 187.229 | PC |
| 488 | 9530117.436 | 353878.563 | 186.397 | PC |
| 489 | 9530098.371 | 353878.326 | 186.358 | PC |
| 490 | 9530116.777 | 353894.857 | 185.995 | PC |
| 491 | 9530097.963 | 353896.746 | 186.024 | PC |
| 492 | 9530059.505 | 353900.817 | 185.281 | PC |
| 493 | 9530042.855 | 353903.954 | 182.948 | PC |
| 494 | 9530027.239 | 353907.245 | 180.824 | PC |
| 495 | 9530023.815 | 353925.689 | 180.520 | PC |
| 496 | 9530040.390 | 353922.498 | 182.897 | PC |
| 497 | 9530058.715 | 353920.412 | 183.616 | PC |
| 498 | 9530095.179 | 353916.561 | 184.292 | PC |
| 499 | 9530113.201 | 353914.309 | 184.476 | PC |
| 500 | 9530132.682 | 353912.189 | 185.195 | PC |
| 501 | 9530137.571 | 353931.110 | 183.582 | PC |
| 502 | 9530117.902 | 353932.796 | 183.488 | PC |
| 503 | 9530098.283 | 353935.566 | 183.138 | PC |
| 505 | 9530058.927 | 353939.853 | 181.543 | PC |
| 506 | 9530038.520 | 353942.499 | 181.896 | PC |
| 507 | 9530019.105 | 353947.440 | 177.511 | PC |
| 508 | 9530022.692 | 353965.445 | 176.044 | PC |
| 509 | 9530043.386 | 353962.285 | 177.740 | PC |
| 510 | 9530060.219 | 353959.482 | 179.146 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 518 | 9530001.741 | 354785.232 | 152.894 | PC |
| 519 | 9530021.195 | 354788.573 | 153.234 | PC |
| 542 | 9530080.944 | 354712.280 | 160.356 | PC |
| 543 | 9530102.072 | 354709.965 | 159.466 | PC |
| 544 | 9530119.130 | 354708.139 | 158.512 | PC |
| 545 | 9530120.810 | 354692.425 | 156.983 | PC |
| 546 | 9530100.771 | 354694.160 | 160.603 | PC |
| 547 | 9530082.339 | 354694.877 | 161.001 | PC |
| 548 | 9530045.441 | 354696.515 | 160.548 | PC |
| 549 | 9530023.186 | 354697.229 | 158.486 | PC |
| 552 | 9530027.114 | 354674.721 | 159.344 | PC |
| 553 | 9530084.565 | 354676.050 | 162.629 | PC |
| 554 | 9530102.545 | 354677.536 | 160.178 | PC |
| 555 | 9530121.847 | 354678.916 | 158.396 | PC |
| 556 | 9530121.320 | 354661.711 | 162.075 | PC |
| 557 | 9530101.878 | 354659.800 | 161.225 | PC |
| 558 | 9530083.942 | 354658.093 | 164.320 | PC |
| 559 | 9530043.967 | 354654.104 | 163.036 | PC |
| 560 | 9530024.626 | 354652.185 | 161.106 | PC |
| 561 | 9530005.438 | 354649.838 | 159.756 | PC |
| 562 | 9530006.636 | 354635.641 | 160.336 | PC |
| 563 | 9530025.295 | 354635.727 | 162.007 | PC |
| 564 | 9530044.602 | 354635.755 | 164.725 | PC |
| 565 | 9530086.003 | 354636.453 | 166.325 | PC |
| 567 | 9530126.025 | 354636.705 | 161.489 | PC |
| 568 | 9530123.080 | 354620.364 | 161.808 | PC |
| 569 | 9530101.904 | 354619.076 | 166.201 | PC |
| 570 | 9530083.818 | 354617.459 | 167.982 | PC |
| 571 | 9530047.479 | 354614.502 | 165.108 | PC |
| 572 | 9530029.965 | 354612.999 | 163.440 | PC |
| 573 | 9530012.251 | 354611.291 | 161.632 | PC |
| 574 | 9530009.431 | 354586.573 | 162.186 | PC |
| 575 | 9530028.744 | 354589.398 | 163.110 | PC |
| 576 | 9530046.865 | 354592.583 | 165.583 | PC |
| 577 | 9530084.400 | 354599.409 | 167.618 | PC |
| 578 | 9530102.318 | 354602.769 | 164.188 | PC |
| 579 | 9530121.198 | 354605.977 | 162.615 | PC |
| 580 | 9530121.355 | 354578.607 | 161.444 | PC |
| 581 | 9530097.486 | 354577.427 | 162.919 | PC |
| 582 | 9530081.968 | 354576.588 | 163.943 | PC |
| 583 | 9530045.816 | 354575.259 | 165.647 | PC |
| 584 | 9530024.332 | 354574.380 | 163.084 | PC |
| 585 | 9530004.444 | 354573.606 | 162.344 | PC |
| 586 | 9530011.211 | 354561.532 | 162.842 | PC |
| 587 | 9530029.083 | 354559.853 | 163.844 | PC |
| 588 | 9530048.354 | 354557.976 | 166.138 | PC |
| 589 | 9530082.939 | 354554.554 | 167.654 | PC |
| 590 | 9530099.733 | 354552.385 | 164.333 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 591 | 9530119.412 | 354550.848 | 163.634 | PC |
| 592 | 9530121.256 | 354537.791 | 162.047 | PC |
| 593 | 9530101.758 | 354538.073 | 166.305 | PC |
| 594 | 9530084.344 | 354536.794 | 168.357 | PC |
| 596 | 9530029.375 | 354533.914 | 164.601 | PC |
| 597 | 9530008.295 | 354532.980 | 164.008 | PC |
| 598 | 9530011.781 | 354513.722 | 165.101 | PC |
| 599 | 9530030.774 | 354514.603 | 164.875 | PC |
| 600 | 9530049.455 | 354515.309 | 166.190 | PC |
| 601 | 9530085.448 | 354516.821 | 168.766 | PC |
| 602 | 9530103.573 | 354517.996 | 164.301 | PC |
| 603 | 9530125.141 | 354519.621 | 162.206 | PC |
| 604 | 9530127.189 | 354496.188 | 164.123 | PC |
| 605 | 9530107.230 | 354496.213 | 166.507 | PC |
| 606 | 9530087.282 | 354496.342 | 168.147 | PC |
| 607 | 9530048.142 | 354496.158 | 166.604 | PC |
| 608 | 9530029.948 | 354495.915 | 165.878 | PC |
| 609 | 9530010.375 | 354495.650 | 165.569 | PC |
| 610 | 9530013.935 | 354469.884 | 166.097 | PC |
| 611 | 9530031.292 | 354471.816 | 166.746 | PC |
| 612 | 9530050.112 | 354474.232 | 167.276 | PC |
| 613 | 9530084.723 | 354478.452 | 168.414 | PC |
| 614 | 9530101.178 | 354480.275 | 165.978 | PC |
| 615 | 9530126.624 | 354482.993 | 163.829 | PC |
| 616 | 9530124.423 | 354460.996 | 165.555 | PC |
| 617 | 9530105.834 | 354459.382 | 165.623 | PC |
| 618 | 9530086.529 | 354457.758 | 166.763 | PC |
| 619 | 9530048.201 | 354454.529 | 167.574 | PC |
| 620 | 9530031.114 | 354453.302 | 166.651 | PC |
| 621 | 9530010.645 | 354451.700 | 166.052 | PC |
| 622 | 9530008.225 | 354425.622 | 165.125 | PC |
| 623 | 9530030.493 | 354429.274 | 166.385 | PC |
| 625 | 9530087.736 | 354440.096 | 168.454 | PC |
| 626 | 9530104.271 | 354443.166 | 167.330 | PC |
| 627 | 9530126.472 | 354446.824 | 166.775 | PC |
| 628 | 9530125.270 | 354418.050 | 167.424 | PC |
| 629 | 9530108.178 | 354417.766 | 169.972 | PC |
| 630 | 9530090.686 | 354416.476 | 170.679 | PC |
| 631 | 9530050.498 | 354416.111 | 168.212 | PC |
| 632 | 9530032.347 | 354415.870 | 166.851 | PC |
| 633 | 9530013.156 | 354411.445 | 165.678 | PC |
| 3947 | 9529547.363 | 353637.282 | 200.933 | BASE |
| 4012 | 9529754.594 | 353696.363 | 191.956 | PC |
| 4013 | 9529761.328 | 353678.850 | 193.057 | PC |
| 4014 | 9529767.644 | 353661.970 | 194.475 | PC |
| 4015 | 9529794.721 | 353680.406 | 197.674 | PC |
| 4016 | 9529784.837 | 353695.127 | 196.369 | PC |
| 4017 | 9529775.607 | 353707.730 | 194.013 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4018 | 9529755.380 | 353736.337 | 190.355 | PC |
| 4019 | 9529745.196 | 353751.045 | 186.941 | PC |
| 4020 | 9529737.483 | 353760.661 | 190.713 | PC |
| 4021 | 9529766.946 | 353769.179 | 191.241 | PC |
| 4022 | 9529773.827 | 353754.419 | 190.311 | PC |
| 4023 | 9529778.097 | 353743.606 | 191.877 | PC |
| 4024 | 9529789.020 | 353717.900 | 195.626 | PC |
| 4025 | 9529794.241 | 353704.629 | 196.633 | PC |
| 4026 | 9529800.574 | 353691.013 | 197.847 | PC |
| 4027 | 9529823.871 | 353697.743 | 196.360 | PC |
| 4028 | 9529815.050 | 353714.888 | 196.438 | PC |
| 4029 | 9529808.408 | 353726.482 | 196.440 | PC |
| 4030 | 9529794.286 | 353754.008 | 194.789 | PC |
| 4031 | 9529785.189 | 353771.544 | 192.517 | PC |
| 4032 | 9529775.462 | 353786.714 | 194.662 | PC |
| 4033 | 9529868.746 | 353787.815 | 192.744 | PC |
| 4034 | 9529860.783 | 353807.024 | 194.502 | PC |
| 4035 | 9529854.565 | 353823.370 | 195.176 | PC |
| 4037 | 9529068.506 | 353448.858 | 183.249 | PC |
| 4038 | 9529060.560 | 353467.242 | 184.849 | PC |
| 4039 | 9529052.703 | 353485.693 | 185.272 | PC |
| 4040 | 9529084.584 | 353495.770 | 184.682 | PC |
| 4041 | 9529138.577 | 353475.820 | 186.274 | PC |
| 4042 | 9529144.489 | 353517.566 | 186.649 | PC |
| 4043 | 9529147.701 | 353500.989 | 186.635 | PC |
| 4044 | 9529153.812 | 353483.081 | 186.538 | PC |
| 4045 | 9529166.342 | 353445.170 | 185.608 | PC |
| 4046 | 9529172.309 | 353426.538 | 184.258 | PC |
| 4047 | 9529178.440 | 353407.722 | 182.840 | PC |
| 4048 | 9529200.534 | 353416.184 | 183.326 | PC |
| 4049 | 9529190.278 | 353432.856 | 184.577 | PC |
| 4050 | 9529184.074 | 353451.699 | 186.343 | PC |
| 4051 | 9529173.339 | 353491.336 | 187.192 | PC |
| 4052 | 9529168.572 | 353509.584 | 187.533 | PC |
| 4053 | 9529164.188 | 353519.753 | 187.304 | PC |
| 4054 | 9529184.329 | 353518.953 | 188.323 | PC |
| 4055 | 9529177.488 | 353535.596 | 188.008 | PC |
| 4056 | 9529190.565 | 353499.532 | 188.187 | PC |
| 4057 | 9529202.460 | 353462.395 | 186.632 | PC |
| 4058 | 9529207.288 | 353444.829 | 185.473 | PC |
| 4059 | 9529213.026 | 353427.471 | 184.188 | PC |
| 4060 | 9529233.060 | 353435.166 | 184.358 | PC |
| 4061 | 9529226.707 | 353452.578 | 185.508 | PC |
| 4062 | 9529209.280 | 353505.330 | 189.334 | PC |
| 4063 | 9529203.933 | 353523.049 | 189.544 | PC |
| 4064 | 9529197.386 | 353542.661 | 189.063 | PC |
| 4065 | 9529221.438 | 353550.341 | 189.699 | PC |
| 4066 | 9529225.611 | 353531.660 | 189.997 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
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| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4067 | 9529229.292 | 353513.149 | 189.077 | PC |
| 4068 | 9529237.236 | 353477.661 | 186.747 | PC |
| 4069 | 9529241.172 | 353460.185 | 185.629 | PC |
| 4070 | 9529245.682 | 353442.042 | 184.151 | PC |
| 4071 | 9529268.975 | 353453.854 | 183.568 | PC |
| 4072 | 9529262.601 | 353470.934 | 185.103 | PC |
| 4073 | 9529257.262 | 353487.731 | 186.403 | PC |
| 4074 | 9529246.422 | 353520.057 | 188.723 | PC |
| 4075 | 9529240.841 | 353536.369 | 189.499 | PC |
| 4076 | 9529234.663 | 353553.899 | 189.502 | PC |
| 4077 | 9529251.235 | 353563.534 | 188.629 | PC |
| 4078 | 9529257.685 | 353546.099 | 189.389 | PC |
| 4079 | 9529264.003 | 353528.243 | 188.752 | PC |
| 4080 | 9529276.674 | 353493.628 | 186.370 | PC |
| 4081 | 9529283.952 | 353473.236 | 185.194 | PC |
| 4082 | 9529289.163 | 353459.840 | 183.864 | PC |
| 4083 | 9529303.851 | 353467.906 | 184.626 | PC |
| 4084 | 9529298.632 | 353484.618 | 185.632 | PC |
| 4085 | 9529293.834 | 353502.046 | 186.540 | PC |
| 4086 | 9529283.369 | 353536.757 | 188.514 | PC |
| 4087 | 9529278.507 | 353554.310 | 188.845 | PC |
| 4088 | 9529273.631 | 353571.197 | 187.831 | PC |
| 4089 | 9529289.635 | 353577.246 | 185.510 | PC |
| 4090 | 9529295.712 | 353559.883 | 186.725 | PC |
| 4091 | 9529301.487 | 353543.317 | 187.494 | PC |
| 4092 | 9529313.286 | 353509.691 | 186.735 | PC |
| 4093 | 9529319.562 | 353492.900 | 185.921 | PC |
| 4094 | 9529325.614 | 353475.834 | 185.271 | PC |
| 4095 | 9529345.812 | 353481.801 | 185.979 | PC |
| 4096 | 9529337.960 | 353500.653 | 185.695 | PC |
| 4097 | 9529331.748 | 353517.666 | 185.486 | PC |
| 4098 | 9529319.233 | 353551.654 | 186.228 | PC |
| 4099 | 9529313.621 | 353567.524 | 184.977 | PC |
| 4100 | 9529307.012 | 353584.331 | 183.588 | PC |
| 4101 | 9529328.524 | 353593.524 | 181.754 | PC |
| 4102 | 9529333.614 | 353577.083 | 181.312 | PC |
| 4103 | 9529338.853 | 353560.261 | 184.549 | PC |
| 4104 | 9529348.981 | 353525.351 | 183.899 | PC |
| 4105 | 9529354.631 | 353506.521 | 184.024 | PC |
| 4106 | 9529359.737 | 353490.325 | 186.672 | PC |
| 4107 | 9529376.639 | 353500.291 | 186.794 | PC |
| 4108 | 9529371.464 | 353515.800 | 183.498 | PC |
| 4109 | 9529366.367 | 353532.986 | 182.687 | PC |
| 4110 | 9529357.647 | 353566.200 | 182.106 | PC |
| 4111 | 9529352.799 | 353581.928 | 179.276 | PC |
| 4112 | 9529348.554 | 353600.477 | 179.853 | PC |
| 4113 | 9529358.152 | 353609.100 | 178.634 | PC |
| 4114 | 9529364.890 | 353592.211 | 177.446 | PC |

| CADERNETA DE CAMPO VERTEDOIRO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4115 | 9529372.683 | 353575.552 | 178.211 | PC |
| 4116 | 9529387.682 | 353540.648 | 180.229 | PC |
| 4117 | 9529394.759 | 353524.999 | 183.884 | PC |
| 4118 | 9529401.474 | 353509.277 | 187.200 | PC |
| 4119 | 9529413.281 | 353516.630 | 189.449 | PC |
| 4120 | 9529407.842 | 353532.246 | 183.601 | PC |
| 4121 | 9529402.823 | 353548.556 | 183.451 | PC |
| 4122 | 9529393.442 | 353582.697 | 178.865 | PC |
| 4123 | 9529389.430 | 353599.905 | 177.191 | PC |
| 4124 | 9529384.263 | 353618.325 | 175.391 | PC |
| 4125 | 9529405.419 | 353622.840 | 176.104 | PC |
| 4126 | 9529409.141 | 353605.933 | 178.407 | PC |
| 4127 | 9529412.455 | 353590.882 | 181.866 | PC |
| 4128 | 9529421.277 | 353556.847 | 188.031 | PC |
| 4129 | 9529428.071 | 353523.173 | 191.243 | PC |
| 4130 | 9529451.920 | 353530.272 | 199.585 | PC |
| 4131 | 9529445.755 | 353546.931 | 197.305 | PC |
| 4132 | 9529440.366 | 353563.949 | 193.097 | PC |
| 4133 | 9529429.186 | 353597.394 | 184.545 | PC |
| 4134 | 9529424.041 | 353613.515 | 180.341 | PC |
| 4135 | 9529418.741 | 353632.473 | 177.061 | PC |
| 4136 | 9529431.927 | 353637.362 | 178.237 | PC |
| 4137 | 9529440.113 | 353618.315 | 182.100 | PC |
| 4138 | 9529446.457 | 353604.363 | 185.508 | PC |
| 4139 | 9529459.610 | 353572.994 | 192.989 | PC |
| 4140 | 9529464.510 | 353557.904 | 197.665 | PC |
| 4141 | 9529471.962 | 353539.646 | 202.221 | PC |
| 4142 | 9529489.375 | 353552.204 | 201.816 | PC |
| 4143 | 9529483.525 | 353565.714 | 196.751 | PC |
| 4144 | 9529477.863 | 353579.988 | 191.962 | PC |
| 4145 | 9529464.660 | 353611.717 | 183.614 | PC |
| 4146 | 9529457.619 | 353628.912 | 180.764 | PC |
| 4147 | 9529450.477 | 353645.754 | 178.951 | PC |
| 4148 | 9529474.135 | 353654.437 | 184.157 | PC |
| 4149 | 9529479.759 | 353636.562 | 184.499 | PC |
| 4150 | 9529484.989 | 353619.264 | 184.578 | PC |
| 4151 | 9529494.441 | 353589.108 | 191.663 | PC |
| 4152 | 9529499.110 | 353575.266 | 196.862 | PC |
| 4153 | 9529528.031 | 353565.794 | 201.821 | PC |
| 4154 | 9529521.283 | 353581.140 | 196.757 | PC |
| 4155 | 9529515.316 | 353595.538 | 190.477 | PC |
| 4156 | 9529494.203 | 353641.942 | 188.190 | PC |
| 4157 | 9529486.100 | 353660.528 | 186.738 | PC |
| 4158 | 9529504.804 | 353668.568 | 190.002 | PC |
| 4159 | 9529512.077 | 353650.276 | 192.004 | PC |
| 4160 | 9529519.246 | 353634.845 | 194.724 | PC |
| 4161 | 9529534.526 | 353602.639 | 192.089 | PC |
| 4162 | 9529541.425 | 353587.495 | 194.707 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
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| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4163 | 9529547.337 | 353573.488 | 200.173 | PC |
| 4164 | 9529570.186 | 353578.897 | 199.355 | PC |
| 4165 | 9529562.025 | 353594.019 | 196.096 | PC |
| 4166 | 9529553.728 | 353610.476 | 196.441 | PC |
| 4167 | 9529536.692 | 353643.165 | 199.531 | PC |
| 4168 | 9529528.684 | 353659.361 | 196.142 | PC |
| 4169 | 9529519.464 | 353674.899 | 192.755 | PC |
| 4170 | 9529547.637 | 353684.087 | 192.778 | PC |
| 4171 | 9529553.222 | 353667.640 | 197.485 | PC |
| 4172 | 9529557.486 | 353652.207 | 200.949 | PC |
| 4173 | 9529568.583 | 353619.131 | 198.724 | PC |
| 4174 | 9529575.554 | 353597.926 | 198.059 | PC |
| 4175 | 9529582.477 | 353577.316 | 199.818 | PC |
| 4176 | 9529603.308 | 353588.216 | 200.093 | PC |
| 4177 | 9529595.547 | 353606.812 | 198.920 | PC |
| 4178 | 9529588.376 | 353625.389 | 199.557 | PC |
| 4179 | 9529575.134 | 353660.144 | 201.005 | PC |
| 4180 | 9529569.938 | 353675.076 | 196.866 | PC |
| 4181 | 9529564.438 | 353688.439 | 192.533 | PC |
| 4182 | 9529583.127 | 353699.537 | 191.999 | PC |
| 4183 | 9529589.220 | 353684.391 | 194.986 | PC |
| 4184 | 9529594.508 | 353667.930 | 198.679 | PC |
| 4185 | 9529612.563 | 353615.237 | 197.134 | PC |
| 4186 | 9529619.935 | 353593.485 | 197.799 | PC |
| 4187 | 9529643.312 | 353608.796 | 191.732 | PC |
| 4188 | 9529635.925 | 353626.100 | 192.529 | PC |
| 4189 | 9529628.144 | 353641.999 | 195.466 | PC |
| 4190 | 9529609.643 | 353674.072 | 196.683 | PC |
| 4191 | 9529600.020 | 353689.666 | 194.499 | PC |
| 4192 | 9529590.500 | 353705.126 | 191.231 | PC |
| 4193 | 9529624.929 | 353718.279 | 187.916 | PC |
| 4194 | 9529628.397 | 353701.436 | 190.492 | PC |
| 4195 | 9529633.075 | 353683.824 | 191.734 | PC |
| 4196 | 9529642.658 | 353649.002 | 191.920 | PC |
| 4197 | 9529647.792 | 353632.339 | 190.525 | PC |
| 4198 | 9529658.034 | 353615.065 | 190.269 | PC |
| 4199 | 9529674.217 | 353619.626 | 189.586 | PC |
| 4200 | 9529667.740 | 353637.865 | 186.723 | PC |
| 4201 | 9529650.455 | 353691.197 | 187.578 | PC |
| 4202 | 9529644.839 | 353708.442 | 186.991 | PC |
| 4203 | 9529639.451 | 353726.212 | 185.784 | PC |
| 4204 | 9529660.764 | 353733.295 | 181.640 | PC |
| 4205 | 9529665.340 | 353717.135 | 182.801 | PC |
| 4206 | 9529669.264 | 353699.736 | 182.919 | PC |
| 4207 | 9529678.919 | 353664.035 | 184.691 | PC |
| 4208 | 9529683.249 | 353646.505 | 187.784 | PC |
| 4209 | 9529687.897 | 353628.401 | 190.721 | PC |
| 4210 | 9529711.030 | 353636.213 | 187.879 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
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| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4211 | 9529704.266 | 353652.925 | 187.277 | PC |
| 4212 | 9529698.805 | 353670.410 | 184.894 | PC |
| 4213 | 9529686.324 | 353707.420 | 181.697 | PC |
| 4214 | 9529681.110 | 353725.822 | 181.437 | PC |
| 4215 | 9529675.888 | 353744.238 | 181.211 | PC |
| 4216 | 9529691.941 | 353751.917 | 184.528 | PC |
| 4217 | 9529697.958 | 353733.350 | 183.715 | PC |
| 4218 | 9529704.572 | 353714.912 | 183.529 | PC |
| 4219 | 9529723.275 | 353662.442 | 188.694 | PC |
| 4220 | 9529731.110 | 353644.604 | 190.478 | PC |
| 4221 | 9529742.339 | 353671.474 | 189.794 | PC |
| 4222 | 9529735.910 | 353688.097 | 188.972 | PC |
| 4223 | 9529901.830 | 353816.829 | 189.159 | PC |
| 4224 | 9529907.717 | 353800.171 | 188.225 | PC |
| 4225 | 9529918.198 | 353768.495 | 186.210 | PC |
| 4226 | 9529923.437 | 353752.335 | 183.829 | PC |
| 4227 | 9529928.794 | 353733.122 | 184.121 | PC |
| 4228 | 9529943.116 | 353738.853 | 183.301 | PC |
| 4229 | 9529939.386 | 353755.159 | 182.872 | PC |
| 4230 | 9529935.905 | 353772.206 | 183.221 | PC |
| 4231 | 9529928.142 | 353808.783 | 182.346 | PC |
| 4232 | 9529924.620 | 353826.266 | 182.289 | PC |
| 4233 | 9529920.731 | 353846.142 | 182.979 | PC |
| 4234 | 9529937.468 | 353857.200 | 181.087 | PC |
| 4235 | 9529941.671 | 353837.742 | 181.363 | PC |
| 4236 | 9529945.194 | 353819.307 | 180.795 | PC |
| 4237 | 9529953.341 | 353782.654 | 181.317 | PC |
| 4238 | 9529957.804 | 353766.734 | 182.365 | PC |
| 4239 | 9529962.175 | 353751.405 | 182.398 | PC |
| 4240 | 9529977.722 | 353753.198 | 180.124 | PC |
| 4241 | 9529974.790 | 353771.775 | 181.633 | PC |
| 4242 | 9529970.950 | 353789.310 | 178.762 | PC |
| 4243 | 9529961.128 | 353845.474 | 179.450 | PC |
| 4244 | 9529956.919 | 353869.059 | 179.177 | PC |
| 4245 | 9529981.374 | 353876.953 | 175.950 | PC |
| 4246 | 9529983.247 | 353855.286 | 177.934 | PC |
| 4247 | 9529984.901 | 353835.783 | 179.583 | PC |
| 4248 | 9529987.979 | 353796.414 | 181.147 | PC |
| 4249 | 9529989.237 | 353778.347 | 180.135 | PC |
| 4250 | 9529991.821 | 353756.998 | 180.803 | PC |
| 4252 | 9530011.596 | 353787.558 | 185.512 | PC |
| 4253 | 9530008.031 | 353805.465 | 185.696 | PC |
| 4254 | 9530002.863 | 353840.422 | 182.083 | PC |
| 4255 | 9529998.264 | 353859.619 | 179.818 | PC |
| 4256 | 9529995.562 | 353880.244 | 177.238 | PC |
| 4257 | 9530011.264 | 353885.515 | 180.502 | PC |
| 4258 | 9530015.202 | 353867.860 | 181.605 | PC |
| 4259 | 9530018.603 | 353849.022 | 183.646 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4260 | 9530026.622 | 353814.111 | 186.407 | PC |
| 4261 | 9530030.283 | 353796.150 | 186.775 | PC |
| 4262 | 9530036.867 | 353772.781 | 188.249 | PC |
| 4263 | 9530056.504 | 353779.232 | 188.446 | PC |
| 4264 | 9530051.847 | 353797.846 | 188.309 | PC |
| 4265 | 9530046.639 | 353818.572 | 187.384 | PC |
| 4266 | 9530036.369 | 353855.008 | 184.837 | PC |
| 4267 | 9530035.867 | 353877.336 | 182.890 | PC |
| 4268 | 9530052.085 | 353861.794 | 185.603 | PC |
| 4269 | 9530045.010 | 353878.843 | 184.563 | PC |
| 4270 | 9530048.565 | 353878.347 | 185.167 | PC |
| 4271 | 9530061.253 | 353878.283 | 185.877 | PC |
| 4272 | 9530060.655 | 353857.321 | 186.139 | PC |
| 4273 | 9530068.243 | 353827.566 | 187.571 | PC |
| 4274 | 9530076.161 | 353809.792 | 189.264 | PC |
| 4275 | 9530084.095 | 353791.753 | 190.970 | PC |
| 4276 | 9530106.191 | 353803.555 | 190.458 | PC |
| 4277 | 9530101.104 | 353823.092 | 189.232 | PC |
| 4278 | 9530100.900 | 353839.683 | 188.343 | PC |
| 4279 | 9530121.998 | 353835.931 | 188.723 | PC |
| 4280 | 9530108.340 | 353842.095 | 188.533 | PC |
| 4281 | 9530091.711 | 353848.988 | 187.167 | PC |
| 4282 | 9530136.410 | 353861.451 | 186.854 | PC |
| 4283 | 9530136.117 | 353879.121 | 186.843 | PC |
| 4284 | 9530139.444 | 353892.625 | 187.038 | PC |
| 4285 | 9530041.223 | 354791.960 | 153.262 | PC |
| 4286 | 9530080.519 | 354798.182 | 153.812 | PC |
| 4287 | 9530099.846 | 354800.892 | 154.181 | PC |
| 4288 | 9530120.852 | 354804.284 | 153.534 | PC |
| 4289 | 9530122.604 | 354780.809 | 155.035 | PC |
| 4290 | 9530102.320 | 354778.776 | 155.948 | PC |
| 4291 | 9530081.995 | 354777.018 | 156.213 | PC |
| 4292 | 9530042.477 | 354773.623 | 154.490 | PC |
| 4293 | 9530023.319 | 354771.976 | 153.958 | PC |
| 4294 | 9530003.418 | 354769.981 | 153.247 | PC |
| 4295 | 9530001.441 | 354754.181 | 153.620 | PC |
| 4296 | 9530022.305 | 354754.461 | 154.807 | PC |
| 4297 | 9530042.507 | 354754.890 | 156.055 | PC |
| 4298 | 9530082.589 | 354755.768 | 158.035 | PC |
| 4299 | 9530101.767 | 354755.976 | 157.196 | PC |
| 4300 | 9530121.242 | 354756.499 | 155.545 | PC |
| 4301 | 9530120.140 | 354734.742 | 155.847 | PC |
| 4302 | 9530101.061 | 354734.928 | 158.121 | PC |
| 4303 | 9530082.210 | 354735.326 | 159.501 | PC |
| 4304 | 9530043.665 | 354734.759 | 157.699 | PC |
| 4305 | 9530023.931 | 354734.025 | 156.244 | PC |
| 4306 | 9530002.052 | 354733.625 | 154.840 | PC |
| 4307 | 9530002.710 | 354722.021 | 155.559 | PC |

| CADERNETA DE CAMPO VERTEDOIRO | | | | |
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| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4308 | 9530023.996 | 354719.769 | 157.320 | PC |
| 4309 | 9530042.971 | 354717.619 | 158.931 | PC |
| 4310 | 9530000.753 | 354698.049 | 156.530 | PC |
| 4311 | 9530009.859 | 354673.626 | 158.399 | PC |
| 4312 | 9530105.370 | 354636.285 | 165.494 | PC |
| 4313 | 9530048.435 | 354535.397 | 166.631 | PC |
| 4314 | 9530049.594 | 354432.275 | 167.633 | PC |
| 4315 | 9530012.710 | 354389.669 | 165.644 | PC |
| 4316 | 9530032.900 | 354392.122 | 166.780 | PC |
| 4317 | 9530051.338 | 354394.235 | 168.528 | PC |
| 4318 | 9530092.100 | 354399.476 | 170.510 | PC |
| 4319 | 9530109.749 | 354401.495 | 169.151 | PC |
| 4320 | 9530130.076 | 354404.115 | 166.647 | PC |
| 4321 | 9530130.031 | 354375.873 | 167.296 | PC |
| 4322 | 9530108.836 | 354376.164 | 168.760 | PC |
| 4323 | 9530089.650 | 354376.673 | 170.184 | PC |
| 4324 | 9530050.582 | 354377.007 | 168.165 | PC |
| 4325 | 9530030.485 | 354377.027 | 166.730 | PC |
| 4326 | 9530011.841 | 354376.450 | 165.978 | PC |
| 4327 | 9530011.804 | 354358.267 | 166.925 | PC |
| 4328 | 9530031.923 | 354357.932 | 167.670 | PC |
| 4329 | 9530051.674 | 354356.635 | 168.405 | PC |
| 4330 | 9530094.865 | 354355.717 | 170.571 | PC |
| 4331 | 9530115.140 | 354354.932 | 168.904 | PC |
| 4332 | 9530132.929 | 354353.633 | 167.387 | PC |
| 4333 | 9530128.585 | 354337.460 | 167.419 | PC |
| 4334 | 9530109.346 | 354336.784 | 169.764 | PC |
| 4335 | 9530090.530 | 354336.829 | 170.292 | PC |
| 4336 | 9530049.898 | 354336.076 | 169.318 | PC |
| 4337 | 9530031.274 | 354335.645 | 168.972 | PC |
| 4338 | 9530006.638 | 354335.165 | 168.165 | PC |
| 4339 | 9530009.497 | 354305.283 | 170.792 | PC |
| 4340 | 9530030.139 | 354309.183 | 171.343 | PC |
| 4341 | 9530048.397 | 354312.439 | 171.403 | PC |
| 4342 | 9530099.156 | 354321.915 | 170.011 | PC |
| 4343 | 9530116.693 | 354325.008 | 168.473 | PC |
| 4344 | 9530133.315 | 354327.858 | 165.335 | PC |
| 4345 | 9530128.590 | 354301.210 | 166.803 | PC |
| 4346 | 9530111.497 | 354299.622 | 169.560 | PC |
| 4347 | 9530091.857 | 354298.131 | 172.146 | PC |
| 4348 | 9530031.703 | 354293.223 | 173.304 | PC |
| 4349 | 9530010.234 | 354288.439 | 172.728 | PC |
| 4350 | 9530012.533 | 354279.590 | 174.237 | PC |
| 4351 | 9530031.729 | 354278.929 | 174.963 | PC |
| 4352 | 9530051.624 | 354277.750 | 175.067 | PC |
| 4353 | 9530092.436 | 354275.660 | 172.998 | PC |
| 4354 | 9530109.789 | 354274.772 | 171.089 | PC |
| 4355 | 9530132.334 | 354276.905 | 167.684 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4356 | 9530127.867 | 354261.943 | 169.882 | PC |
| 4357 | 9530111.969 | 354262.325 | 171.603 | PC |
| 4358 | 9530092.722 | 354261.297 | 173.953 | PC |
| 4359 | 9530049.797 | 354251.770 | 176.708 | PC |
| 4360 | 9530030.969 | 354247.107 | 177.157 | PC |
| 4361 | 9530013.875 | 354242.089 | 176.536 | PC |
| 4362 | 9530012.744 | 354231.035 | 176.337 | PC |
| 4363 | 9530032.016 | 354233.221 | 177.719 | PC |
| 4364 | 9530051.291 | 354234.889 | 177.633 | PC |
| 4365 | 9530090.567 | 354237.942 | 175.967 | PC |
| 4366 | 9530109.197 | 354239.927 | 174.028 | PC |
| 4367 | 9530131.849 | 354241.798 | 170.597 | PC |
| 4368 | 9530129.162 | 354220.202 | 172.127 | PC |
| 4369 | 9530110.353 | 354219.208 | 174.605 | PC |
| 4370 | 9530092.674 | 354218.209 | 176.699 | PC |
| 4371 | 9530054.138 | 354215.274 | 180.440 | PC |
| 4372 | 9530039.930 | 354214.501 | 179.280 | PC |
| 4373 | 9530019.301 | 354213.262 | 178.370 | PC |
| 4374 | 9530017.661 | 354189.403 | 180.186 | PC |
| 4375 | 9530038.007 | 354192.157 | 179.732 | PC |
| 4376 | 9530059.638 | 354195.501 | 180.308 | PC |
| 4377 | 9530095.312 | 354199.007 | 176.763 | PC |
| 4378 | 9530114.527 | 354200.871 | 174.235 | PC |
| 4379 | 9530134.236 | 354202.244 | 175.106 | PC |
| 4380 | 9530127.315 | 354177.227 | 176.392 | PC |
| 4381 | 9530110.091 | 354177.373 | 175.817 | PC |
| 4382 | 9530092.854 | 354176.915 | 176.747 | PC |
| 4383 | 9530055.804 | 354176.616 | 179.189 | PC |
| 4384 | 9530037.482 | 354176.877 | 179.221 | PC |
| 4385 | 9530017.181 | 354176.788 | 180.533 | PC |
| 4386 | 9530014.273 | 354156.969 | 179.569 | PC |
| 4387 | 9530033.537 | 354157.019 | 177.836 | PC |
| 4388 | 9530054.148 | 354156.996 | 177.398 | PC |
| 4389 | 9530094.726 | 354156.436 | 176.891 | PC |
| 4390 | 9530114.202 | 354156.208 | 176.826 | PC |
| 4391 | 9530135.351 | 354156.170 | 177.329 | PC |
| 4392 | 9530132.918 | 354146.861 | 177.770 | PC |
| 4393 | 9530112.338 | 354143.225 | 176.821 | PC |
| 4394 | 9530092.030 | 354139.473 | 176.969 | PC |
| 4395 | 9530058.028 | 354134.129 | 176.182 | PC |
| 4396 | 9530035.606 | 354130.501 | 175.008 | PC |
| 4397 | 9530013.323 | 354126.747 | 174.639 | PC |
| 4398 | 9530017.093 | 354099.440 | 171.755 | PC |
| 4399 | 9530036.944 | 354098.251 | 172.686 | PC |
| 4400 | 9530056.005 | 354097.591 | 174.238 | PC |
| 4401 | 9530093.032 | 354096.355 | 177.744 | PC |
| 4402 | 9530112.539 | 354095.325 | 178.755 | PC |
| 4403 | 9530132.173 | 354094.215 | 178.883 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4404 | 9530115.466 | 354117.449 | 177.907 | PC |
| 4405 | 9530095.478 | 354117.244 | 177.146 | PC |
| 4406 | 9530058.139 | 354116.498 | 175.350 | PC |
| 4407 | 9530039.463 | 354116.069 | 173.865 | PC |
| 4408 | 9530018.275 | 354080.223 | 172.710 | PC |
| 4409 | 9530038.285 | 354079.060 | 174.418 | PC |
| 4410 | 9530056.910 | 354078.292 | 175.358 | PC |
| 4411 | 9530092.163 | 354076.018 | 178.773 | PC |
| 4412 | 9530110.048 | 354074.947 | 179.080 | PC |
| 4413 | 9530129.866 | 354074.520 | 180.466 | PC |
| 4414 | 9530123.760 | 354059.124 | 181.347 | PC |
| 4415 | 9530104.598 | 354058.926 | 179.733 | PC |
| 4416 | 9530089.883 | 354057.819 | 178.537 | PC |
| 4417 | 9530059.583 | 354055.829 | 177.529 | PC |
| 4418 | 9530041.647 | 354055.289 | 176.311 | PC |
| 4419 | 9530024.544 | 354053.866 | 175.097 | PC |
| 4420 | 9530032.174 | 354036.513 | 176.410 | PC |
| 4421 | 9530029.349 | 354036.222 | 175.859 | PC |
| 4422 | 9530046.730 | 354036.338 | 177.759 | PC |
| 4423 | 9530062.631 | 354037.184 | 178.225 | PC |
| 4424 | 9530096.597 | 354037.570 | 180.426 | PC |
| 4425 | 9530116.389 | 354037.886 | 181.728 | PC |
| 4426 | 9530133.565 | 354038.653 | 183.928 | PC |
| 4427 | 9530130.837 | 354017.292 | 183.313 | PC |
| 4428 | 9530111.736 | 354017.224 | 182.789 | PC |
| 4429 | 9530094.084 | 354017.035 | 181.113 | PC |
| 4430 | 9530057.151 | 354017.489 | 178.230 | PC |
| 4431 | 9530039.011 | 354015.215 | 176.368 | PC |
| 4432 | 9530021.292 | 354014.333 | 173.427 | PC |
| 4433 | 9530024.995 | 353999.945 | 173.616 | PC |
| 4434 | 9530042.780 | 353999.035 | 176.600 | PC |
| 4435 | 9530058.779 | 353997.876 | 178.843 | PC |
| 4436 | 9530097.803 | 353996.594 | 180.588 | PC |
| 4437 | 9530116.746 | 353995.642 | 182.035 | PC |
| 4438 | 9530138.543 | 353994.733 | 183.189 | PC |
| 4439 | 9530138.006 | 353979.582 | 183.064 | PC |
| 4440 | 9530114.719 | 353980.366 | 181.872 | PC |
| 4441 | 9530095.262 | 353979.476 | 179.635 | PC |
| 4442 | 9530050.333 | 353974.964 | 177.981 | PC |
| 4443 | 9530030.534 | 353973.739 | 177.346 | PC |
| 4444 | 9530097.135 | 353956.363 | 180.831 | PC |
| 4445 | 9530118.270 | 353954.268 | 181.561 | PC |
| 4446 | 9530137.883 | 353952.709 | 182.976 | PC |
| 5213 | 9529154.097 | 353271.498 | 179.337 | PC |
| 5214 | 9529146.080 | 353289.113 | 178.850 | PC |
| 5215 | 9529137.023 | 353307.528 | 178.151 | PC |
| 5216 | 9529190.707 | 353562.221 | 187.776 | PC |
| 5217 | 9529184.844 | 353582.341 | 186.775 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5218 | 9529178.246 | 353602.222 | 186.255 | PC |
| 5219 | 9529171.201 | 353621.887 | 185.397 | PC |
| 5220 | 9529166.064 | 353641.952 | 184.883 | PC |
| 5221 | 9529197.406 | 353661.744 | 184.430 | PC |
| 5222 | 9529201.633 | 353642.076 | 185.200 | PC |
| 5223 | 9529205.998 | 353622.149 | 186.024 | PC |
| 5224 | 9529210.263 | 353602.175 | 186.982 | PC |
| 5225 | 9529214.447 | 353581.102 | 187.781 | PC |
| 5226 | 9529219.863 | 353559.731 | 189.145 | PC |
| 5227 | 9529177.586 | 353538.872 | 187.773 | PC |
| 5228 | 9529171.604 | 353558.535 | 187.195 | PC |
| 5229 | 9529165.036 | 353579.805 | 186.469 | PC |
| 5230 | 9529158.123 | 353600.866 | 185.899 | PC |
| 5231 | 9529151.693 | 353620.501 | 185.325 | PC |
| 5232 | 9529144.636 | 353640.564 | 184.893 | PC |
| 5233 | 9529141.922 | 353610.867 | 185.502 | PC |
| 5234 | 9529147.191 | 353590.560 | 185.900 | PC |
| 5235 | 9529152.890 | 353567.667 | 186.437 | PC |
| 5236 | 9529158.331 | 353547.165 | 186.894 | PC |
| 5237 | 9529163.447 | 353527.570 | 187.102 | PC |
| 5238 | 9529138.523 | 353537.936 | 186.442 | PC |
| 5239 | 9529133.782 | 353560.098 | 185.894 | PC |
| 5240 | 9529129.656 | 353581.152 | 185.563 | PC |
| 5241 | 9529126.337 | 353602.956 | 185.393 | PC |
| 5242 | 9529123.105 | 353624.239 | 184.947 | PC |
| 5243 | 9529110.859 | 353627.156 | 184.679 | PC |
| 5244 | 9529114.829 | 353604.797 | 185.048 | PC |
| 5245 | 9529118.737 | 353582.922 | 185.243 | PC |
| 5246 | 9529123.309 | 353560.913 | 185.500 | PC |
| 5247 | 9529127.482 | 353540.241 | 185.794 | PC |
| 5248 | 9529227.942 | 353573.669 | 188.295 | PC |
| 5249 | 9529221.588 | 353593.812 | 187.410 | PC |
| 5250 | 9529214.793 | 353613.883 | 186.687 | PC |
| 5251 | 9529207.052 | 353639.361 | 185.361 | PC |
| 5252 | 9529218.160 | 353659.581 | 184.219 | PC |
| 5253 | 9529223.020 | 353639.537 | 185.044 | PC |
| 5254 | 9529230.679 | 353619.131 | 185.970 | PC |
| 5255 | 9529238.522 | 353598.508 | 186.679 | PC |
| 5256 | 9529246.275 | 353578.251 | 187.533 | PC |
| 5257 | 9529272.620 | 353575.606 | 187.454 | PC |
| 5258 | 9529266.373 | 353597.230 | 186.011 | PC |
| 5259 | 9529260.238 | 353617.181 | 185.192 | PC |
| 5260 | 9529254.759 | 353637.189 | 183.234 | PC |
| 5261 | 9529251.892 | 353657.466 | 181.575 | PC |
| 5262 | 9529261.644 | 353658.352 | 180.703 | PC |
| 5263 | 9529268.853 | 353640.007 | 182.992 | PC |
| 5264 | 9529275.355 | 353620.031 | 183.696 | PC |
| 5265 | 9529282.509 | 353599.447 | 185.637 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5266 | 9529301.117 | 353603.343 | 184.564 | PC |
| 5267 | 9529294.631 | 353623.356 | 182.798 | PC |
| 5268 | 9529287.306 | 353644.822 | 181.374 | PC |
| 5269 | 9529279.196 | 353663.678 | 179.948 | PC |
| 5270 | 9529301.223 | 353674.247 | 177.309 | PC |
| 5271 | 9529308.033 | 353653.563 | 178.679 | PC |
| 5272 | 9529314.529 | 353633.146 | 181.055 | PC |
| 5273 | 9529322.347 | 353612.466 | 181.776 | PC |
| 5274 | 9529343.776 | 353621.008 | 178.524 | PC |
| 5275 | 9529339.274 | 353640.677 | 178.212 | PC |
| 5276 | 9529334.694 | 353661.664 | 177.261 | PC |
| 5277 | 9529328.111 | 353700.404 | 172.283 | PC |
| 5278 | 9529333.396 | 353685.003 | 174.329 | PC |
| 5279 | 9529340.371 | 353664.374 | 177.506 | PC |
| 5280 | 9529346.979 | 353643.959 | 177.365 | PC |
| 5281 | 9529352.845 | 353622.927 | 178.120 | PC |
| 5282 | 9529379.717 | 353638.381 | 174.292 | PC |
| 5283 | 9529374.345 | 353658.621 | 173.435 | PC |
| 5284 | 9529368.596 | 353679.577 | 173.611 | PC |
| 5285 | 9529362.911 | 353700.066 | 172.081 | PC |
| 5286 | 9529359.689 | 353721.753 | 170.260 | PC |
| 5287 | 9529383.808 | 353728.059 | 170.009 | PC |
| 5288 | 9529395.472 | 353709.888 | 170.378 | PC |
| 5289 | 9529529.503 | 353458.527 | 206.358 | BASE |
| 5290 | 9529401.582 | 353641.440 | 174.684 | PC |
| 5291 | 9529397.145 | 353661.345 | 172.281 | PC |
| 5292 | 9529397.152 | 353661.365 | 172.272 | PC |
| 5293 | 9529387.771 | 353681.481 | 170.566 | PC |
| 5294 | 9529400.527 | 353691.453 | 171.317 | PC |
| 5295 | 9529407.378 | 353669.271 | 173.929 | PC |
| 5296 | 9529413.455 | 353647.911 | 174.536 | PC |
| 5297 | 9529424.269 | 353653.389 | 175.155 | PC |
| 5298 | 9529414.912 | 353674.258 | 174.211 | PC |
| 5299 | 9529406.264 | 353694.419 | 172.260 | PC |
| 5300 | 9529398.290 | 353714.252 | 171.155 | PC |
| 5301 | 9529389.796 | 353735.547 | 169.936 | PC |
| 5302 | 9529415.590 | 353735.075 | 172.110 | PC |
| 5303 | 9529418.803 | 353719.278 | 173.547 | PC |
| 5304 | 9529425.662 | 353699.064 | 174.482 | PC |
| 5305 | 9529435.148 | 353679.276 | 176.956 | PC |
| 5306 | 9529443.405 | 353662.219 | 178.132 | PC |
| 5307 | 9529467.483 | 353674.624 | 181.521 | PC |
| 5308 | 9529461.212 | 353695.423 | 179.037 | PC |
| 5309 | 9529454.919 | 353716.177 | 177.547 | PC |
| 5310 | 9529448.290 | 353737.795 | 175.606 | PC |
| 5311 | 9529440.889 | 353753.984 | 174.547 | PC |
| 5312 | 9529462.197 | 353768.535 | 175.000 | PC |
| 5313 | 9529470.649 | 353747.984 | 176.938 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5314 | 9529480.334 | 353728.015 | 179.055 | PC |
| 5315 | 9529488.929 | 353707.505 | 181.330 | PC |
| 5316 | 9529498.348 | 353685.268 | 186.045 | PC |
| 5317 | 9529512.120 | 353688.292 | 188.387 | PC |
| 5318 | 9529501.981 | 353704.522 | 183.807 | PC |
| 5319 | 9529493.888 | 353725.447 | 180.145 | PC |
| 5320 | 9529482.499 | 353743.983 | 177.749 | PC |
| 5321 | 9529476.579 | 353765.304 | 175.682 | PC |
| 5322 | 9529541.133 | 353701.791 | 186.810 | PC |
| 5323 | 9529535.993 | 353719.755 | 182.105 | PC |
| 5324 | 9529530.099 | 353738.781 | 178.527 | PC |
| 5325 | 9529522.482 | 353757.858 | 175.889 | PC |
| 5326 | 9529517.463 | 353777.006 | 173.656 | PC |
| 5327 | 9529546.898 | 353786.744 | 176.285 | PC |
| 5328 | 9529554.503 | 353768.535 | 179.046 | PC |
| 5329 | 9529562.763 | 353749.376 | 181.754 | PC |
| 5330 | 9529570.412 | 353730.178 | 183.918 | PC |
| 5331 | 9529577.414 | 353712.634 | 187.332 | PC |
| 5332 | 9529558.262 | 353706.096 | 186.732 | PC |
| 5333 | 9529551.670 | 353726.051 | 182.056 | PC |
| 5334 | 9529551.663 | 353725.857 | 182.126 | PC |
| 5335 | 9529544.974 | 353744.318 | 178.565 | PC |
| 5336 | 9529537.933 | 353763.107 | 177.177 | PC |
| 5337 | 9529529.539 | 353778.824 | 175.175 | PC |
| 5338 | 9529553.333 | 353787.857 | 176.845 | PC |
| 5339 | 9529560.999 | 353769.448 | 179.569 | PC |
| 5340 | 9529570.239 | 353750.215 | 183.025 | PC |
| 5341 | 9529581.454 | 353730.930 | 185.329 | PC |
| 5342 | 9529586.133 | 353716.083 | 188.013 | PC |
| 5343 | 9529620.386 | 353736.974 | 184.878 | PC |
| 5344 | 9529615.518 | 353756.313 | 182.309 | PC |
| 5345 | 9529610.653 | 353775.879 | 180.356 | PC |
| 5346 | 9529605.044 | 353795.757 | 177.975 | PC |
| 5347 | 9529597.505 | 353808.213 | 175.329 | PC |
| 5348 | 9529630.841 | 353824.415 | 176.652 | PC |
| 5349 | 9529636.853 | 353808.503 | 177.452 | PC |
| 5350 | 9529643.794 | 353789.786 | 177.497 | PC |
| 5351 | 9529649.777 | 353771.910 | 178.106 | PC |
| 5352 | 9529654.995 | 353753.868 | 179.146 | PC |
| 5353 | 9529668.110 | 353761.082 | 181.240 | PC |
| 5354 | 9529661.901 | 353778.888 | 181.197 | PC |
| 5355 | 9529655.843 | 353797.104 | 179.848 | PC |
| 5356 | 9529650.874 | 353816.847 | 179.150 | PC |
| 5357 | 9529645.336 | 353832.904 | 177.661 | PC |
| 5358 | 9529665.982 | 353852.847 | 181.119 | PC |
| 5359 | 9529670.612 | 353832.681 | 180.946 | PC |
| 5360 | 9529675.604 | 353813.335 | 182.033 | PC |
| 5361 | 9529680.607 | 353792.547 | 183.015 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5362 | 9529687.086 | 353770.467 | 183.724 | PC |
| 5363 | 9529760.606 | 353552.851 | 192.985 | PC |
| 5364 | 9529753.669 | 353571.481 | 192.210 | PC |
| 5365 | 9529747.820 | 353591.449 | 192.199 | PC |
| 5366 | 9529741.981 | 353609.273 | 192.085 | PC |
| 5367 | 9529736.243 | 353628.128 | 191.515 | PC |
| 5368 | 9529719.041 | 353617.433 | 188.690 | PC |
| 5369 | 9529725.727 | 353597.598 | 190.083 | PC |
| 5370 | 9529734.449 | 353577.270 | 191.347 | PC |
| 5371 | 9529742.092 | 353557.141 | 192.671 | PC |
| 5372 | 9529750.761 | 353536.097 | 193.114 | PC |
| 5373 | 9529718.482 | 353518.068 | 194.103 | PC |
| 5374 | 9529712.539 | 353537.072 | 193.277 | PC |
| 5375 | 9529707.057 | 353556.366 | 192.935 | PC |
| 5376 | 9529702.132 | 353576.096 | 192.553 | PC |
| 5377 | 9529697.258 | 353595.806 | 191.500 | PC |
| 5378 | 9529677.208 | 353602.340 | 191.947 | PC |
| 5379 | 9529683.413 | 353582.505 | 194.418 | PC |
| 5380 | 9529689.254 | 353562.294 | 194.399 | PC |
| 5381 | 9529695.163 | 353542.677 | 193.672 | PC |
| 5382 | 9529700.664 | 353522.323 | 194.155 | PC |
| 5383 | 9529683.674 | 353509.902 | 195.592 | PC |
| 5384 | 9529677.399 | 353529.652 | 194.721 | PC |
| 5385 | 9529670.780 | 353549.749 | 196.460 | PC |
| 5386 | 9529664.971 | 353569.179 | 196.520 | PC |
| 5387 | 9529658.851 | 353588.027 | 194.608 | PC |
| 5388 | 9529645.919 | 353588.887 | 194.737 | PC |
| 5389 | 9529652.549 | 353568.548 | 197.320 | PC |
| 5390 | 9529658.812 | 353548.203 | 197.981 | PC |
| 5391 | 9529664.122 | 353527.142 | 196.729 | PC |
| 5392 | 9529669.013 | 353506.123 | 196.212 | PC |
| 5393 | 9529656.469 | 353500.211 | 197.317 | PC |
| 5394 | 9529648.780 | 353521.366 | 198.675 | PC |
| 5395 | 9529640.988 | 353541.977 | 199.200 | PC |
| 5396 | 9529633.658 | 353560.452 | 198.329 | PC |
| 5397 | 9529626.484 | 353579.227 | 198.063 | PC |
| 5398 | 9529608.590 | 353571.089 | 200.538 | PC |
| 5399 | 9529615.917 | 353551.719 | 200.294 | PC |
| 5400 | 9529623.377 | 353531.709 | 199.639 | PC |
| 5401 | 9529630.684 | 353512.045 | 199.846 | PC |
| 5402 | 9529637.871 | 353492.553 | 198.915 | PC |
| 5403 | 9529622.578 | 353482.735 | 199.920 | PC |
| 5404 | 9529615.136 | 353501.430 | 200.764 | PC |
| 5405 | 9529606.385 | 353520.984 | 200.658 | PC |
| 5406 | 9529598.319 | 353539.690 | 201.989 | PC |
| 5407 | 9529591.060 | 353558.200 | 202.123 | PC |
| 5408 | 9529575.697 | 353564.519 | 201.245 | PC |
| 5409 | 9529584.231 | 353545.101 | 203.120 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5410 | 9529592.287 | 353525.514 | 202.732 | PC |
| 5411 | 9529600.575 | 353505.536 | 201.325 | PC |
| 5412 | 9529609.032 | 353486.309 | 201.166 | PC |
| 5413 | 9529582.058 | 353481.414 | 202.806 | PC |
| 5414 | 9529574.885 | 353500.939 | 204.487 | PC |
| 5415 | 9529566.609 | 353519.955 | 204.908 | PC |
| 5416 | 9529560.064 | 353538.861 | 204.221 | PC |
| 5417 | 9529552.568 | 353557.667 | 202.541 | PC |
| 5418 | 9529535.547 | 353547.015 | 205.301 | PC |
| 5419 | 9529543.301 | 353527.234 | 206.312 | PC |
| 5420 | 9529551.157 | 353508.321 | 206.013 | PC |
| 5421 | 9529558.566 | 353489.760 | 205.208 | PC |
| 5422 | 9529564.907 | 353470.535 | 204.352 | PC |
| 5423 | 9529531.568 | 353453.469 | 205.246 | PC |
| 5424 | 9529526.403 | 353473.460 | 206.668 | PC |
| 5425 | 9529520.924 | 353494.264 | 207.042 | PC |
| 5426 | 9529516.091 | 353513.810 | 207.426 | PC |
| 5427 | 9529510.664 | 353532.906 | 206.583 | PC |
| 5428 | 9529495.645 | 353535.534 | 205.524 | PC |
| 5429 | 9529502.586 | 353516.272 | 207.204 | PC |
| 5430 | 9529510.105 | 353496.846 | 207.413 | PC |
| 5431 | 9529516.485 | 353477.285 | 207.082 | PC |
| 5432 | 9529523.289 | 353455.997 | 205.735 | PC |
| 5433 | 9529503.917 | 353450.739 | 204.453 | PC |
| 5434 | 9529497.821 | 353469.825 | 206.684 | PC |
| 5435 | 9529490.897 | 353489.781 | 206.979 | PC |
| 5436 | 9529484.209 | 353508.638 | 206.631 | PC |
| 5437 | 9529477.603 | 353526.910 | 204.684 | PC |
| 5438 | 9529457.374 | 353514.140 | 201.984 | PC |
| 5439 | 9529466.427 | 353494.980 | 204.542 | PC |
| 5440 | 9529475.706 | 353476.384 | 205.926 | PC |
| 5441 | 9529475.671 | 353476.378 | 205.906 | PC |
| 5442 | 9529484.159 | 353457.756 | 205.496 | PC |
| 5443 | 9529491.638 | 353440.069 | 203.558 | PC |
| 5444 | 9529466.623 | 353424.152 | 200.987 | PC |
| 5445 | 9529455.083 | 353441.719 | 201.036 | PC |
| 5446 | 9529446.570 | 353459.905 | 201.206 | PC |
| 5447 | 9529440.436 | 353479.034 | 198.987 | PC |
| 5448 | 9529434.113 | 353497.039 | 196.464 | PC |
| 5449 | 9529418.824 | 353501.798 | 192.683 | PC |
| 5450 | 9529423.382 | 353481.626 | 194.437 | PC |
| 5451 | 9529431.750 | 353463.215 | 198.154 | PC |
| 5452 | 9529440.082 | 353443.792 | 199.082 | PC |
| 5453 | 9529449.975 | 353425.068 | 198.321 | PC |
| 5454 | 9529443.705 | 353416.975 | 196.603 | PC |
| 5455 | 9529436.525 | 353434.723 | 197.173 | PC |
| 5456 | 9529427.696 | 353451.812 | 197.360 | PC |
| 5457 | 9529420.622 | 353468.210 | 195.110 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5458 | 9529412.375 | 353485.900 | 191.512 | PC |
| 5459 | 9529383.811 | 353481.197 | 188.226 | PC |
| 5460 | 9529390.896 | 353461.544 | 188.815 | PC |
| 5461 | 9529397.709 | 353442.290 | 188.953 | PC |
| 5462 | 9529404.616 | 353423.810 | 190.010 | PC |
| 5463 | 9529411.187 | 353405.376 | 189.759 | PC |
| 5464 | 9529387.938 | 353394.568 | 187.674 | PC |
| 5465 | 9529381.445 | 353413.532 | 186.818 | PC |
| 5466 | 9529376.198 | 353432.426 | 187.504 | PC |
| 5467 | 9529370.814 | 353451.264 | 186.845 | PC |
| 5468 | 9529364.843 | 353471.976 | 186.634 | PC |
| 5469 | 9529350.736 | 353464.851 | 185.894 | PC |
| 5470 | 9529357.444 | 353444.857 | 186.204 | PC |
| 5471 | 9529363.550 | 353425.812 | 186.470 | PC |
| 5472 | 9529370.209 | 353406.135 | 186.150 | PC |
| 5473 | 9529376.848 | 353387.221 | 186.805 | PC |
| 5474 | 9529357.325 | 353379.008 | 185.652 | PC |
| 5475 | 9529352.202 | 353397.701 | 184.913 | PC |
| 5476 | 9529345.684 | 353415.849 | 185.336 | PC |
| 5477 | 9529339.084 | 353434.975 | 185.487 | PC |
| 5478 | 9529332.718 | 353454.254 | 185.058 | PC |
| 5479 | 9529309.166 | 353451.460 | 183.741 | PC |
| 5480 | 9529314.743 | 353432.434 | 184.302 | PC |
| 5481 | 9529320.383 | 353412.592 | 184.047 | PC |
| 5482 | 9529326.745 | 353392.710 | 184.028 | PC |
| 5483 | 9529333.854 | 353372.112 | 183.913 | PC |
| 5484 | 9529327.305 | 353365.463 | 182.785 | PC |
| 5485 | 9529319.337 | 353383.841 | 182.534 | PC |
| 5486 | 9529312.193 | 353402.752 | 183.633 | PC |
| 5487 | 9529305.106 | 353421.517 | 183.584 | PC |
| 5488 | 9529297.150 | 353439.848 | 183.197 | PC |
| 5489 | 9529276.115 | 353434.415 | 182.063 | PC |
| 5490 | 9529283.995 | 353414.600 | 182.203 | PC |
| 5491 | 9529291.021 | 353395.805 | 182.260 | PC |
| 5492 | 9529296.613 | 353376.577 | 180.529 | PC |
| 5493 | 9529302.669 | 353357.856 | 182.481 | PC |
| 5494 | 9529268.713 | 353346.530 | 182.301 | PC |
| 5495 | 9529261.796 | 353364.993 | 181.660 | PC |
| 5496 | 9529252.083 | 353376.294 | 180.467 | PC |
| 5497 | 9529245.727 | 353394.865 | 180.858 | PC |
| 5498 | 9529239.274 | 353412.814 | 182.107 | PC |
| 5499 | 9529217.382 | 353410.951 | 182.471 | PC |
| 5500 | 9529223.361 | 353392.145 | 180.081 | PC |
| 5501 | 9529229.161 | 353371.842 | 178.277 | PC |
| 5502 | 9529235.340 | 353352.821 | 180.843 | PC |
| 5503 | 9529242.509 | 353332.139 | 181.397 | PC |
| 5504 | 9529209.921 | 353314.163 | 180.404 | PC |
| 5505 | 9529203.450 | 353333.938 | 179.747 | PC |

| CADERNETA DE CAMPO VERTEDOIRO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5506 | 9529197.233 | 353351.833 | 178.583 | PC |
| 5507 | 9529190.826 | 353370.665 | 179.262 | PC |
| 5508 | 9529184.114 | 353391.823 | 181.271 | PC |
| 5509 | 9529152.689 | 353379.896 | 180.987 | PC |
| 5510 | 9529155.422 | 353361.421 | 179.608 | PC |
| 5511 | 9529158.352 | 353341.899 | 177.180 | PC |
| 5512 | 9529162.406 | 353321.898 | 178.752 | PC |
| 5513 | 9529163.293 | 353300.339 | 179.218 | PC |
| 5514 | 9529159.242 | 353319.889 | 178.610 | PC |
| 5515 | 9529152.990 | 353338.391 | 177.163 | PC |
| 5516 | 9529147.709 | 353358.501 | 179.920 | PC |
| 5517 | 9529142.034 | 353379.217 | 180.870 | PC |
| 5518 | 9529132.035 | 353367.245 | 180.209 | PC |
| 5519 | 9529138.323 | 353349.613 | 179.635 | PC |
| 5520 | 9529144.294 | 353332.615 | 176.421 | PC |
| 5521 | 9529151.571 | 353314.189 | 178.665 | PC |
| 5522 | 9529158.646 | 353294.956 | 179.167 | PC |
| 5523 | 9529128.432 | 353325.060 | 177.363 | PC |
| 5524 | 9529119.675 | 353343.887 | 178.973 | PC |
| 5525 | 9529111.086 | 353360.611 | 179.560 | PC |
| 5526 | 9529044.689 | 353502.633 | 184.388 | PC |
| 5527 | 9529035.761 | 353521.478 | 183.795 | PC |
| 5528 | 9529027.185 | 353539.261 | 183.395 | PC |
| 5529 | 9529018.134 | 353556.047 | 182.284 | PC |
| 5530 | 9529006.955 | 353572.196 | 181.330 | PC |
| 5531 | 9529079.359 | 353515.293 | 184.229 | PC |
| 5532 | 9529072.945 | 353533.372 | 183.292 | PC |
| 5533 | 9529066.792 | 353551.004 | 182.798 | PC |
| 5534 | 9529059.997 | 353570.082 | 182.480 | PC |
| 5535 | 9529053.184 | 353590.302 | 182.217 | PC |
| 5536 | 9529084.403 | 353600.376 | 183.747 | PC |
| 5537 | 9529089.604 | 353580.964 | 184.022 | PC |
| 5538 | 9529094.207 | 353561.321 | 184.499 | PC |
| 5539 | 9529099.517 | 353542.383 | 184.412 | PC |
| 5540 | 9529104.535 | 353522.366 | 184.853 | PC |
| 5541 | 9529754.170 | 353639.458 | 193.249 | PC |
| 5542 | 9529761.975 | 353618.873 | 192.431 | PC |
| 5543 | 9529770.243 | 353599.168 | 193.756 | PC |
| 5544 | 9529778.234 | 353579.011 | 193.119 | PC |
| 5545 | 9529785.811 | 353560.440 | 193.476 | PC |
| 5546 | 9529802.426 | 353569.508 | 194.101 | PC |
| 5547 | 9529794.400 | 353589.354 | 194.256 | PC |
| 5548 | 9529786.791 | 353608.915 | 194.643 | PC |
| 5549 | 9529780.387 | 353628.511 | 193.514 | PC |
| 5550 | 9529773.440 | 353646.375 | 194.929 | PC |
| 5551 | 9529805.710 | 353654.633 | 197.260 | PC |
| 5552 | 9529814.169 | 353635.343 | 195.924 | PC |
| 5553 | 9529822.733 | 353614.991 | 195.812 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5554 | 9529831.232 | 353594.382 | 196.357 | PC |
| 5555 | 9529839.381 | 353574.692 | 196.125 | PC |
| 5556 | 9529861.540 | 353575.340 | 196.984 | PC |
| 5557 | 9529851.997 | 353593.815 | 197.089 | PC |
| 5558 | 9529841.989 | 353612.455 | 196.759 | PC |
| 5559 | 9529831.389 | 353632.103 | 196.432 | PC |
| 5560 | 9529821.056 | 353650.312 | 196.548 | PC |
| 5561 | 9529830.151 | 353682.589 | 195.941 | PC |
| 5562 | 9529837.167 | 353661.628 | 195.544 | PC |
| 5563 | 9529843.165 | 353638.661 | 195.870 | PC |
| 5564 | 9529849.265 | 353618.466 | 196.130 | PC |
| 5565 | 9529855.347 | 353597.809 | 197.046 | PC |
| 5566 | 9529877.877 | 353584.697 | 197.216 | PC |
| 5567 | 9529870.031 | 353604.073 | 196.946 | PC |
| 5568 | 9529862.491 | 353623.152 | 195.456 | PC |
| 5569 | 9529854.211 | 353642.960 | 194.657 | PC |
| 5570 | 9529846.221 | 353662.966 | 195.185 | PC |
| 5571 | 9529840.569 | 353679.523 | 194.819 | PC |
| 5572 | 9529867.350 | 353687.866 | 191.459 | PC |
| 5573 | 9529875.643 | 353668.283 | 192.291 | PC |
| 5574 | 9529883.734 | 353648.504 | 193.514 | PC |
| 5575 | 9529892.160 | 353628.288 | 194.559 | PC |
| 5576 | 9529899.934 | 353608.371 | 195.063 | PC |
| 5577 | 9529918.683 | 353604.954 | 194.863 | PC |
| 5578 | 9529910.363 | 353624.254 | 193.916 | PC |
| 5579 | 9529901.521 | 353644.300 | 194.406 | PC |
| 5580 | 9529893.970 | 353665.300 | 193.878 | PC |
| 5581 | 9529885.266 | 353687.003 | 191.734 | PC |
| 5582 | 9529902.387 | 353703.506 | 190.156 | PC |
| 5583 | 9529910.318 | 353683.359 | 192.311 | PC |
| 5584 | 9529918.872 | 353662.630 | 192.786 | PC |
| 5585 | 9529926.874 | 353641.336 | 193.440 | PC |
| 5586 | 9529948.882 | 353622.593 | 193.432 | PC |
| 5587 | 9529942.994 | 353643.033 | 192.308 | PC |
| 5588 | 9529936.573 | 353663.205 | 191.239 | PC |
| 5589 | 9529929.595 | 353683.809 | 190.119 | PC |
| 5590 | 9529922.506 | 353705.571 | 188.715 | PC |
| 5591 | 9529937.555 | 353707.819 | 187.704 | PC |
| 5592 | 9529944.424 | 353685.002 | 188.032 | PC |
| 5593 | 9529950.723 | 353664.238 | 189.597 | PC |
| 5594 | 9529957.600 | 353643.901 | 190.544 | PC |
| 5595 | 9529963.776 | 353623.933 | 191.168 | PC |
| 5596 | 9529971.224 | 353623.838 | 189.450 | PC |
| 5597 | 9529965.813 | 353644.812 | 190.548 | PC |
| 5598 | 9529960.014 | 353666.112 | 186.622 | PC |
| 5599 | 9529955.165 | 353687.259 | 185.437 | PC |
| 5600 | 9529950.080 | 353709.963 | 185.234 | PC |
| 5601 | 9529966.708 | 353720.097 | 183.506 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
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| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5602 | 9529969.170 | 353698.000 | 183.857 | PC |
| 5603 | 9529972.534 | 353675.578 | 185.225 | PC |
| 5604 | 9529979.258 | 353655.020 | 187.442 | PC |
| 5605 | 9529986.104 | 353631.896 | 187.205 | PC |
| 5606 | 9530002.161 | 353639.024 | 185.922 | PC |
| 5607 | 9529993.157 | 353656.576 | 185.867 | PC |
| 5608 | 9529989.853 | 353677.688 | 185.143 | PC |
| 5609 | 9529986.085 | 353698.916 | 182.536 | PC |
| 5610 | 9529982.436 | 353720.948 | 182.200 | PC |
| 5611 | 9529993.238 | 353727.725 | 180.520 | PC |
| 5612 | 9529998.709 | 353704.256 | 181.287 | PC |
| 5613 | 9530001.309 | 353683.950 | 183.925 | PC |
| 5614 | 9530005.892 | 353663.069 | 184.228 | PC |
| 5615 | 9530015.693 | 353647.081 | 184.708 | PC |
| 5616 | 9530031.917 | 353653.789 | 186.311 | PC |
| 5617 | 9530028.334 | 353674.821 | 185.636 | PC |
| 5618 | 9530025.322 | 353696.241 | 185.770 | PC |
| 5619 | 9530022.759 | 353718.782 | 185.115 | PC |
| 5620 | 9530018.366 | 353741.306 | 184.791 | PC |
| 5621 | 9530040.984 | 353744.166 | 186.506 | PC |
| 5622 | 9530045.233 | 353722.800 | 188.860 | PC |
| 5623 | 9530050.353 | 353701.270 | 190.883 | PC |
| 5624 | 9530053.294 | 353678.977 | 190.702 | PC |
| 5625 | 9530055.976 | 353657.418 | 190.420 | PC |
| 5626 | 9530076.541 | 353663.977 | 194.211 | PC |
| 5627 | 9530075.469 | 353684.651 | 193.184 | PC |
| 5628 | 9530074.606 | 353705.006 | 192.813 | PC |
| 5629 | 9530069.824 | 353724.988 | 191.859 | PC |
| 5630 | 9530065.187 | 353745.068 | 190.375 | PC |
| 5631 | 9530091.485 | 353771.510 | 191.951 | PC |
| 5632 | 9530098.435 | 353751.853 | 192.974 | PC |
| 5633 | 9530105.045 | 353730.339 | 193.861 | PC |
| 5634 | 9530111.470 | 353709.522 | 194.429 | PC |
| 5635 | 9530113.355 | 353689.360 | 195.590 | PC |
| 5636 | 9530157.340 | 353862.293 | 187.527 | PC |
| 5637 | 9530178.674 | 353863.496 | 188.080 | PC |
| 5638 | 9530199.563 | 353864.127 | 188.288 | PC |
| 5639 | 9530221.105 | 353864.874 | 189.288 | PC |
| 5640 | 9530242.190 | 353866.169 | 190.090 | PC |
| 5641 | 9530241.404 | 353882.792 | 189.471 | PC |
| 5642 | 9530219.587 | 353882.058 | 189.233 | PC |
| 5643 | 9530198.523 | 353880.869 | 188.788 | PC |
| 5644 | 9530177.491 | 353880.100 | 187.578 | PC |
| 5645 | 9530156.452 | 353879.038 | 187.593 | PC |
| 5646 | 9530159.758 | 353890.183 | 187.626 | PC |
| 5647 | 9530180.582 | 353887.807 | 186.956 | PC |
| 5648 | 9530201.706 | 353891.908 | 188.761 | PC |
| 5649 | 9530224.120 | 353889.265 | 189.052 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5650 | 9530151.267 | 353909.947 | 186.137 | PC |
| 5651 | 9530173.430 | 353907.996 | 185.445 | PC |
| 5652 | 9530194.762 | 353905.273 | 187.179 | PC |
| 5653 | 9530215.600 | 353903.465 | 188.695 | PC |
| 5654 | 9530237.580 | 353899.736 | 189.086 | PC |
| 5655 | 9530241.422 | 353921.694 | 187.927 | PC |
| 5656 | 9530220.980 | 353923.548 | 186.872 | PC |
| 5657 | 9530200.290 | 353926.116 | 185.401 | PC |
| 5658 | 9530178.483 | 353927.747 | 184.723 | PC |
| 5659 | 9530155.186 | 353949.779 | 183.953 | PC |
| 5660 | 9530160.642 | 353927.394 | 184.155 | PC |
| 5661 | 9530176.069 | 353947.254 | 185.984 | PC |
| 5662 | 9530198.435 | 353944.541 | 186.393 | PC |
| 5663 | 9530220.605 | 353938.151 | 187.977 | PC |
| 5664 | 9530244.179 | 353937.178 | 188.846 | PC |
| 5665 | 9530159.131 | 353983.425 | 183.776 | PC |
| 5666 | 9530181.368 | 353984.695 | 185.545 | PC |
| 5667 | 9530203.762 | 353985.192 | 187.252 | PC |
| 5668 | 9530226.400 | 353984.397 | 187.401 | PC |
| 5669 | 9530247.471 | 353979.206 | 187.812 | PC |
| 5670 | 9530248.698 | 353994.423 | 187.122 | PC |
| 5671 | 9530228.961 | 353992.331 | 186.950 | PC |
| 5672 | 9530205.458 | 353994.507 | 187.320 | PC |
| 5673 | 9530184.878 | 353994.606 | 185.562 | PC |
| 5674 | 9530163.172 | 353993.714 | 184.274 | PC |
| 5675 | 9530151.702 | 354017.681 | 184.440 | PC |
| 5676 | 9530172.559 | 354018.514 | 184.855 | PC |
| 5677 | 9530191.904 | 354018.746 | 185.331 | PC |
| 5678 | 9530213.498 | 354018.795 | 186.088 | PC |
| 5679 | 9530234.525 | 354019.064 | 185.941 | PC |
| 5680 | 9530230.811 | 354039.176 | 185.039 | PC |
| 5681 | 9530208.519 | 354039.644 | 186.139 | PC |
| 5682 | 9530187.185 | 354039.257 | 185.528 | PC |
| 5683 | 9530167.397 | 354038.572 | 184.697 | PC |
| 5684 | 9530149.450 | 354038.538 | 184.495 | PC |
| 5685 | 9530145.080 | 354060.214 | 182.931 | PC |
| 5686 | 9530166.549 | 354061.159 | 183.365 | PC |
| 5687 | 9530187.703 | 354061.519 | 183.690 | PC |
| 5688 | 9530210.323 | 354061.814 | 184.565 | PC |
| 5689 | 9530231.991 | 354059.535 | 183.699 | PC |
| 5690 | 9530235.343 | 354072.704 | 183.011 | PC |
| 5691 | 9530212.929 | 354073.357 | 183.077 | PC |
| 5692 | 9530191.152 | 354072.930 | 183.018 | PC |
| 5693 | 9530169.506 | 354072.218 | 182.569 | PC |
| 5694 | 9530149.134 | 354072.832 | 181.869 | PC |
| 5695 | 9530154.661 | 354093.651 | 179.426 | PC |
| 5696 | 9530177.165 | 354093.477 | 180.824 | PC |
| 5697 | 9530199.174 | 354092.597 | 181.896 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5698 | 9530221.078 | 354090.773 | 182.302 | PC |
| 5699 | 9530241.087 | 354085.863 | 180.219 | PC |
| 5700 | 9529703.333 | 353777.469 | 187.014 | PC |
| 5701 | 9529696.872 | 353796.287 | 185.134 | PC |
| 5702 | 9529691.125 | 353814.572 | 184.102 | PC |
| 5703 | 9529685.540 | 353833.722 | 182.704 | PC |
| 5704 | 9529679.276 | 353852.658 | 182.884 | PC |
| 5705 | 9529675.360 | 353861.073 | 182.537 | PC |
| 5706 | 9529691.590 | 353866.373 | 184.475 | PC |
| 5707 | 9529694.535 | 353855.660 | 184.540 | PC |
| 5708 | 9529701.836 | 353837.187 | 185.766 | PC |
| 5709 | 9529708.762 | 353818.166 | 187.187 | PC |
| 5710 | 9529714.562 | 353798.911 | 190.002 | PC |
| 5711 | 9529720.451 | 353781.090 | 191.484 | PC |
| 5712 | 9529727.980 | 353787.258 | 193.578 | PC |
| 5713 | 9529723.257 | 353807.593 | 191.772 | PC |
| 5714 | 9529716.071 | 353823.585 | 188.141 | PC |
| 5715 | 9529708.759 | 353843.830 | 187.105 | PC |
| 5716 | 9529704.955 | 353858.681 | 186.008 | PC |
| 5717 | 9529702.168 | 353869.669 | 185.647 | PC |
| 5718 | 9529715.839 | 353859.188 | 187.400 | PC |
| 5719 | 9529721.903 | 353846.744 | 187.849 | PC |
| 5720 | 9529731.115 | 353828.627 | 190.858 | PC |
| 5721 | 9529741.343 | 353810.257 | 194.968 | PC |
| 5722 | 9529751.880 | 353791.035 | 197.517 | PC |
| 5723 | 9529767.667 | 353806.016 | 196.537 | PC |
| 5724 | 9529758.506 | 353823.890 | 193.724 | PC |
| 5725 | 9529749.375 | 353842.466 | 192.136 | PC |
| 5726 | 9529743.512 | 353858.598 | 190.760 | PC |
| 5727 | 9529737.707 | 353871.680 | 188.819 | PC |
| 5728 | 9529735.499 | 353880.106 | 188.283 | PC |
| 5729 | 9529722.901 | 353876.182 | 187.633 | PC |
| 5730 | 9529791.298 | 353814.471 | 195.984 | PC |
| 5731 | 9529781.612 | 353832.335 | 197.916 | PC |
| 5732 | 9529770.427 | 353850.949 | 197.932 | PC |
| 5733 | 9529760.685 | 353867.453 | 193.986 | PC |
| 5734 | 9529750.744 | 353885.021 | 189.814 | PC |
| 5735 | 9529768.799 | 353890.798 | 194.660 | PC |
| 5736 | 9529780.626 | 353874.977 | 199.557 | PC |
| 5737 | 9529793.665 | 353857.951 | 202.257 | PC |
| 5738 | 9529807.745 | 353842.886 | 202.076 | PC |
| 5739 | 9529822.154 | 353827.952 | 199.794 | PC |
| 5740 | 9529844.973 | 353843.338 | 198.388 | PC |
| 5741 | 9529837.975 | 353862.491 | 201.835 | PC |
| 5742 | 9529828.544 | 353880.507 | 204.033 | PC |
| 5743 | 9529815.255 | 353905.380 | 203.892 | PC |
| 5744 | 9529824.166 | 353892.159 | 204.309 | PC |
| 5745 | 9529864.643 | 353841.701 | 194.770 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5746 | 9529856.362 | 353857.889 | 197.842 | PC |
| 5747 | 9529847.126 | 353874.328 | 200.639 | PC |
| 5748 | 9529839.455 | 353891.718 | 202.721 | PC |
| 5749 | 9529889.365 | 353852.317 | 190.226 | PC |
| 5750 | 9529881.974 | 353872.920 | 191.289 | PC |
| 5751 | 9529875.196 | 353892.870 | 194.703 | PC |
| 5752 | 9529868.659 | 353913.025 | 195.969 | PC |
| 5753 | 9529863.627 | 353922.301 | 199.016 | PC |
| 5754 | 9529918.925 | 353863.408 | 183.688 | PC |
| 5755 | 9529916.587 | 353885.048 | 184.166 | PC |
| 5756 | 9529914.379 | 353906.656 | 184.140 | PC |
| 5757 | 9529910.754 | 353928.200 | 186.794 | PC |
| 5758 | 9529908.827 | 353934.863 | 188.694 | PC |
| 5759 | 9529920.536 | 353939.075 | 185.957 | PC |
| 5760 | 9529921.642 | 353932.528 | 185.461 | PC |
| 5761 | 9529925.864 | 353912.367 | 182.517 | PC |
| 5762 | 9529930.270 | 353891.809 | 182.047 | PC |
| 5763 | 9529935.328 | 353869.243 | 181.643 | PC |
| 5764 | 9529954.824 | 353890.529 | 178.631 | PC |
| 5765 | 9529953.438 | 353912.503 | 178.864 | PC |
| 5766 | 9529951.290 | 353934.727 | 179.648 | PC |
| 5767 | 9529950.647 | 353948.474 | 179.791 | PC |
| 5768 | 9529979.560 | 353897.711 | 175.188 | PC |
| 5769 | 9529979.365 | 353918.685 | 174.691 | PC |
| 5770 | 9529979.943 | 353939.862 | 174.444 | PC |
| 5771 | 9529980.523 | 353960.058 | 175.679 | PC |
| 5772 | 9529980.270 | 353979.266 | 176.390 | PC |
| 5773 | 9529996.205 | 354001.246 | 174.286 | PC |
| 5774 | 9529974.985 | 354002.842 | 177.365 | PC |
| 5775 | 9529953.454 | 354004.079 | 181.268 | PC |
| 5776 | 9530002.643 | 354013.952 | 173.098 | PC |
| 5777 | 9529983.398 | 354013.902 | 175.858 | PC |
| 5778 | 9529962.314 | 354014.673 | 179.844 | PC |
| 5779 | 9529943.691 | 354017.038 | 184.820 | PC |
| 5780 | 9529948.377 | 354032.749 | 183.136 | PC |
| 5781 | 9529967.883 | 354034.491 | 178.016 | PC |
| 5782 | 9529987.678 | 354035.317 | 174.295 | PC |
| 5783 | 9530007.410 | 354036.289 | 170.872 | PC |
| 5784 | 9530003.658 | 354055.025 | 169.978 | PC |
| 5785 | 9529982.714 | 354053.490 | 174.217 | PC |
| 5786 | 9529962.860 | 354052.497 | 179.676 | PC |
| 5787 | 9529943.497 | 354048.926 | 185.408 | PC |
| 5788 | 9529945.874 | 354082.114 | 181.963 | PC |
| 5789 | 9529963.816 | 354081.861 | 176.278 | PC |
| 5790 | 9529981.151 | 354082.494 | 171.087 | PC |
| 5791 | 9530001.231 | 354081.394 | 170.759 | PC |
| 5792 | 9529995.591 | 354098.730 | 170.347 | PC |
| 5793 | 9529973.742 | 354098.295 | 170.825 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5794 | 9529952.747 | 354095.568 | 176.195 | PC |
| 5795 | 9529934.521 | 354091.799 | 182.690 | PC |
| 5796 | 9529931.251 | 354105.923 | 178.872 | PC |
| 5797 | 9529948.376 | 354106.867 | 172.535 | PC |
| 5798 | 9529966.639 | 354110.065 | 169.032 | PC |
| 5799 | 9529987.827 | 354112.978 | 170.814 | PC |
| 5800 | 9530007.078 | 354114.685 | 172.391 | PC |
| 5801 | 9529992.560 | 354124.310 | 175.279 | PC |
| 5802 | 9529971.894 | 354121.478 | 173.449 | PC |
| 5803 | 9529950.974 | 354119.965 | 169.196 | PC |
| 5804 | 9529931.214 | 354114.459 | 175.641 | PC |
| 5805 | 9529938.950 | 354151.251 | 166.435 | PC |
| 5806 | 9529956.326 | 354153.790 | 171.595 | PC |
| 5807 | 9529973.688 | 354154.759 | 178.478 | PC |
| 5808 | 9529993.644 | 354156.296 | 182.186 | PC |
| 5809 | 9530002.803 | 354175.283 | 182.162 | PC |
| 5810 | 9529981.995 | 354171.602 | 179.599 | PC |
| 5811 | 9529963.831 | 354169.958 | 173.571 | PC |
| 5812 | 9529940.799 | 354166.575 | 166.782 | PC |
| 5813 | 9529920.649 | 354164.785 | 170.025 | PC |
| 5814 | 9529916.718 | 354176.620 | 169.599 | PC |
| 5815 | 9529938.790 | 354177.642 | 165.942 | PC |
| 5816 | 9529960.915 | 354179.996 | 171.315 | PC |
| 5817 | 9529980.088 | 354183.592 | 177.137 | PC |
| 5818 | 9530000.172 | 354186.337 | 180.808 | PC |
| 5819 | 9529997.442 | 354210.802 | 176.467 | PC |
| 5820 | 9529976.969 | 354208.982 | 173.197 | PC |
| 5821 | 9529954.708 | 354207.028 | 168.936 | PC |
| 5822 | 9529937.869 | 354204.447 | 164.901 | PC |
| 5823 | 9529924.385 | 354199.571 | 167.382 | PC |
| 5824 | 9529921.500 | 354221.260 | 165.382 | PC |
| 5825 | 9529939.238 | 354225.215 | 166.138 | PC |
| 5826 | 9529959.896 | 354226.652 | 169.186 | PC |
| 5827 | 9529980.151 | 354227.362 | 171.996 | PC |
| 5828 | 9529998.594 | 354229.463 | 174.651 | PC |
| 5829 | 9529997.773 | 354239.332 | 174.309 | PC |
| 5830 | 9529977.376 | 354235.564 | 171.487 | PC |
| 5831 | 9529956.663 | 354231.898 | 169.259 | PC |
| 5832 | 9529936.139 | 354231.026 | 165.993 | PC |
| 5833 | 9529916.398 | 354226.842 | 165.200 | PC |
| 5834 | 9529910.865 | 354280.296 | 163.577 | PC |
| 5835 | 9529931.092 | 354280.512 | 165.690 | PC |
| 5836 | 9529951.192 | 354280.416 | 168.299 | PC |
| 5837 | 9529972.245 | 354280.450 | 168.282 | PC |
| 5838 | 9529992.693 | 354280.175 | 171.560 | PC |
| 5839 | 9529992.558 | 354293.225 | 170.076 | PC |
| 5840 | 9529972.207 | 354293.685 | 167.723 | PC |
| 5841 | 9529953.102 | 354293.447 | 166.822 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5842 | 9529933.278 | 354294.613 | 165.335 | PC |
| 5843 | 9529913.374 | 354295.954 | 162.350 | PC |
| 5844 | 9529915.434 | 354313.942 | 161.954 | PC |
| 5845 | 9529936.785 | 354308.873 | 164.303 | PC |
| 5846 | 9529956.207 | 354311.497 | 164.827 | PC |
| 5847 | 9529976.823 | 354307.870 | 167.263 | PC |
| 5848 | 9529998.731 | 354308.803 | 169.487 | PC |
| 5849 | 9529992.467 | 354334.541 | 167.174 | PC |
| 5850 | 9529972.781 | 354332.090 | 166.172 | PC |
| 5851 | 9529953.086 | 354329.615 | 164.015 | PC |
| 5852 | 9529933.765 | 354327.990 | 162.956 | PC |
| 5853 | 9529914.135 | 354325.226 | 161.612 | PC |
| 5854 | 9529920.276 | 354360.348 | 159.917 | PC |
| 5855 | 9529937.962 | 354353.658 | 162.164 | PC |
| 5856 | 9529963.462 | 354354.163 | 164.155 | PC |
| 5857 | 9529986.972 | 354356.513 | 165.899 | PC |
| 5858 | 9529993.283 | 354376.055 | 165.065 | PC |
| 5859 | 9529973.466 | 354375.410 | 164.161 | PC |
| 5860 | 9529953.894 | 354373.798 | 162.559 | PC |
| 5861 | 9529933.478 | 354374.578 | 160.282 | PC |
| 5862 | 9529913.226 | 354377.803 | 162.613 | PC |
| 5863 | 9529914.987 | 354392.624 | 162.351 | PC |
| 5864 | 9529937.092 | 354387.754 | 159.722 | PC |
| 5865 | 9529957.832 | 354387.665 | 162.301 | PC |
| 5866 | 9529976.883 | 354389.995 | 163.449 | PC |
| 5867 | 9529999.252 | 354390.119 | 164.734 | PC |
| 5868 | 9529993.262 | 354413.598 | 164.351 | PC |
| 5869 | 9529973.929 | 354412.013 | 163.323 | PC |
| 5870 | 9529954.429 | 354408.599 | 159.837 | PC |
| 5871 | 9529940.500 | 354405.437 | 160.553 | PC |
| 5872 | 9529919.744 | 354404.529 | 161.329 | PC |
| 5873 | 9529924.986 | 354421.738 | 159.763 | PC |
| 5874 | 9529945.573 | 354421.467 | 158.984 | PC |
| 5875 | 9529961.364 | 354420.345 | 162.596 | PC |
| 5876 | 9529975.499 | 354424.281 | 164.079 | PC |
| 5877 | 9529991.447 | 354427.350 | 164.726 | PC |
| 5878 | 9529989.154 | 354450.183 | 165.094 | PC |
| 5879 | 9529968.332 | 354448.935 | 163.953 | PC |
| 5880 | 9529947.282 | 354446.416 | 162.481 | PC |
| 5881 | 9529927.734 | 354443.784 | 159.175 | PC |
| 5882 | 9529927.622 | 354457.366 | 160.305 | PC |
| 5883 | 9529948.050 | 354460.856 | 162.995 | PC |
| 5884 | 9529969.073 | 354462.233 | 163.957 | PC |
| 5885 | 9529991.221 | 354466.215 | 164.930 | PC |
| 5886 | 9529995.148 | 354494.483 | 164.630 | PC |
| 5887 | 9529974.630 | 354492.435 | 164.002 | PC |
| 5888 | 9529953.537 | 354490.754 | 163.058 | PC |
| 5889 | 9529932.538 | 354489.215 | 161.293 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5890 | 9529912.915 | 354484.017 | 158.575 | PC |
| 5891 | 9529911.103 | 354510.217 | 158.788 | PC |
| 5892 | 9529933.846 | 354511.785 | 161.189 | PC |
| 5893 | 9529954.886 | 354512.301 | 162.613 | PC |
| 5894 | 9529973.661 | 354512.642 | 163.728 | PC |
| 5895 | 9529993.498 | 354512.852 | 164.106 | PC |
| 5896 | 9529987.026 | 354532.111 | 163.657 | PC |
| 5897 | 9529965.788 | 354530.857 | 162.512 | PC |
| 5898 | 9529944.276 | 354529.871 | 161.737 | PC |
| 5899 | 9529922.074 | 354530.631 | 160.026 | PC |
| 5900 | 9529907.998 | 354538.247 | 159.409 | PC |
| 5901 | 9529908.211 | 354573.521 | 159.247 | PC |
| 5902 | 9529929.001 | 354570.245 | 159.497 | PC |
| 5903 | 9529950.853 | 354567.645 | 160.927 | PC |
| 5904 | 9529974.605 | 354565.399 | 161.708 | PC |
| 5905 | 9529996.223 | 354563.395 | 162.339 | PC |
| 5906 | 9529983.816 | 354577.427 | 161.328 | PC |
| 5907 | 9529961.911 | 354580.287 | 160.749 | PC |
| 5908 | 9529938.505 | 354583.011 | 159.450 | PC |
| 5909 | 9529916.686 | 354585.260 | 158.412 | PC |
| 5910 | 9529895.865 | 354589.271 | 158.504 | PC |
| 5911 | 9529889.158 | 354616.581 | 157.625 | PC |
| 5912 | 9529911.088 | 354617.426 | 157.760 | PC |
| 5913 | 9529934.798 | 354616.998 | 158.109 | PC |
| 5914 | 9529958.283 | 354614.810 | 158.813 | PC |
| 5915 | 9529984.389 | 354613.107 | 159.944 | PC |
| 5916 | 9529986.249 | 354635.397 | 159.002 | PC |
| 5917 | 9529962.975 | 354635.101 | 157.843 | PC |
| 5918 | 9529941.035 | 354634.514 | 157.243 | PC |
| 5919 | 9529918.854 | 354634.746 | 157.401 | PC |
| 5920 | 9529896.590 | 354633.429 | 157.086 | PC |
| 5921 | 9529889.349 | 354652.826 | 156.583 | PC |
| 5922 | 9529908.193 | 354646.339 | 157.085 | PC |
| 5923 | 9529931.241 | 354645.854 | 157.194 | PC |
| 5924 | 9529951.141 | 354646.046 | 157.031 | PC |
| 5925 | 9529973.288 | 354648.288 | 158.030 | PC |
| 5926 | 9530135.626 | 354118.115 | 177.791 | PC |
| 5927 | 9530155.849 | 354118.543 | 176.781 | PC |
| 5928 | 9530176.804 | 354118.982 | 177.636 | PC |
| 5929 | 9530198.781 | 354118.118 | 179.218 | PC |
| 5930 | 9530153.998 | 354146.466 | 177.534 | PC |
| 5931 | 9530173.408 | 354143.921 | 175.263 | PC |
| 5932 | 9530196.510 | 354145.050 | 175.450 | PC |
| 5933 | 9530216.029 | 354144.918 | 175.573 | PC |
| 5934 | 9530235.873 | 354140.839 | 177.546 | PC |
| 5935 | 9530255.156 | 354140.715 | 179.022 | PC |
| 5936 | 9530260.477 | 354170.883 | 178.784 | PC |
| 5937 | 9530240.248 | 354166.215 | 177.164 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5938 | 9530219.601 | 354162.801 | 175.422 | PC |
| 5939 | 9530198.606 | 354160.474 | 174.778 | PC |
| 5940 | 9530179.050 | 354163.563 | 174.207 | PC |
| 5941 | 9530156.162 | 354159.580 | 176.981 | PC |
| 5942 | 9530150.875 | 354177.703 | 175.592 | PC |
| 5943 | 9530171.119 | 354178.458 | 173.654 | PC |
| 5944 | 9530191.266 | 354179.033 | 174.089 | PC |
| 5945 | 9530212.599 | 354181.436 | 175.137 | PC |
| 5946 | 9530232.997 | 354180.891 | 176.430 | PC |
| 5947 | 9530227.831 | 354211.363 | 175.684 | PC |
| 5948 | 9530215.274 | 354210.286 | 174.971 | PC |
| 5949 | 9530194.970 | 354208.779 | 174.483 | PC |
| 5950 | 9530177.449 | 354207.224 | 172.991 | PC |
| 5951 | 9530148.890 | 354204.484 | 171.560 | PC |
| 5952 | 9530150.816 | 354220.453 | 171.071 | PC |
| 5953 | 9530170.198 | 354222.612 | 172.570 | PC |
| 5954 | 9530189.577 | 354226.366 | 173.533 | PC |
| 5955 | 9530209.555 | 354228.826 | 174.265 | PC |
| 5956 | 9530229.450 | 354230.739 | 174.847 | PC |
| 5957 | 9530153.606 | 354242.993 | 170.501 | PC |
| 5958 | 9530174.081 | 354244.943 | 172.284 | PC |
| 5959 | 9530194.842 | 354248.023 | 173.205 | PC |
| 5960 | 9530215.603 | 354248.945 | 173.875 | PC |
| 5961 | 9530237.514 | 354248.456 | 174.403 | PC |
| 5962 | 9530152.045 | 354264.401 | 169.778 | PC |
| 5963 | 9530172.756 | 354264.434 | 171.234 | PC |
| 5964 | 9530197.212 | 354267.542 | 172.455 | PC |
| 5965 | 9530218.071 | 354267.406 | 172.714 | PC |
| 5966 | 9530237.987 | 354271.517 | 174.239 | PC |
| 5967 | 9530150.826 | 354279.370 | 169.313 | PC |
| 5968 | 9530171.713 | 354282.966 | 170.455 | PC |
| 5969 | 9530199.243 | 354285.638 | 171.589 | PC |
| 5970 | 9530221.445 | 354286.945 | 173.166 | PC |
| 5971 | 9530240.527 | 354285.990 | 174.256 | PC |
| 5972 | 9530149.735 | 354302.983 | 167.001 | PC |
| 5973 | 9530169.875 | 354305.866 | 168.505 | PC |
| 5974 | 9530191.887 | 354307.935 | 170.944 | PC |
| 5975 | 9530213.861 | 354310.332 | 172.202 | PC |
| 5976 | 9530234.482 | 354313.059 | 171.465 | PC |
| 5977 | 9530153.945 | 354329.285 | 165.931 | PC |
| 5978 | 9530175.871 | 354331.815 | 168.853 | PC |
| 5979 | 9530197.524 | 354334.075 | 169.492 | PC |
| 5980 | 9530217.961 | 354336.935 | 169.393 | PC |
| 5981 | 9530236.911 | 354338.742 | 169.645 | PC |
| 5982 | 9530149.191 | 354339.069 | 165.533 | PC |
| 5983 | 9530170.550 | 354341.623 | 167.454 | PC |
| 5984 | 9530191.556 | 354344.796 | 168.653 | PC |
| 5985 | 9530212.410 | 354347.667 | 168.704 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5986 | 9530230.654 | 354353.712 | 169.026 | PC |
| 5987 | 9530226.922 | 354370.479 | 168.712 | PC |
| 5988 | 9530206.976 | 354367.959 | 167.979 | PC |
| 5989 | 9530186.090 | 354361.980 | 167.837 | PC |
| 5990 | 9530166.701 | 354355.927 | 166.166 | PC |
| 5991 | 9530145.962 | 354353.157 | 165.096 | PC |
| 5992 | 9530149.158 | 354375.206 | 164.764 | PC |
| 5993 | 9530171.967 | 354375.114 | 166.073 | PC |
| 5994 | 9530193.336 | 354377.727 | 167.586 | PC |
| 5995 | 9530214.281 | 354378.699 | 167.690 | PC |
| 5996 | 9530233.757 | 354381.680 | 169.284 | PC |
| 5997 | 9530239.665 | 354397.968 | 169.445 | PC |
| 5998 | 9530219.827 | 354398.982 | 167.764 | PC |
| 5999 | 9530198.298 | 354400.121 | 166.949 | PC |
| 6000 | 9530177.810 | 354400.848 | 164.835 | PC |
| 6001 | 9530156.703 | 354401.603 | 163.162 | PC |
| 6002 | 9530149.989 | 354417.408 | 165.954 | PC |
| 6003 | 9530170.518 | 354418.630 | 162.590 | PC |
| 6004 | 9530192.406 | 354417.968 | 165.559 | PC |
| 6005 | 9530214.243 | 354415.856 | 165.851 | PC |
| 6006 | 9530235.176 | 354415.388 | 168.209 | PC |
| 6007 | 9530238.277 | 354445.073 | 165.922 | PC |
| 6008 | 9530215.760 | 354445.214 | 164.084 | PC |
| 6009 | 9530193.288 | 354446.267 | 163.149 | PC |
| 6010 | 9530171.535 | 354445.218 | 162.012 | PC |
| 6011 | 9530150.685 | 354448.057 | 164.180 | PC |
| 6012 | 9530144.772 | 354462.631 | 164.550 | PC |
| 6013 | 9530166.460 | 354463.740 | 162.781 | PC |
| 6014 | 9530188.612 | 354465.310 | 161.902 | PC |
| 6015 | 9530209.738 | 354465.466 | 162.895 | PC |
| 6016 | 9530231.570 | 354465.547 | 164.571 | PC |
| 6017 | 9530229.702 | 354490.649 | 163.065 | PC |
| 6018 | 9530209.118 | 354488.826 | 161.919 | PC |
| 6019 | 9530188.835 | 354487.468 | 160.690 | PC |
| 6020 | 9530168.359 | 354486.443 | 162.139 | PC |
| 6021 | 9530148.915 | 354484.856 | 163.278 | PC |
| 6022 | 9530146.952 | 354498.891 | 161.963 | PC |
| 6023 | 9530168.416 | 354501.258 | 161.314 | PC |
| 6024 | 9530189.776 | 354500.976 | 159.867 | PC |
| 6025 | 9530211.824 | 354502.288 | 161.316 | PC |
| 6026 | 9530231.213 | 354506.023 | 162.816 | PC |
| 6027 | 9530231.535 | 354525.250 | 161.741 | PC |
| 6028 | 9530210.166 | 354524.894 | 160.280 | PC |
| 6029 | 9530189.857 | 354523.670 | 158.737 | PC |
| 6030 | 9530168.515 | 354522.453 | 158.644 | PC |
| 6031 | 9530148.004 | 354520.916 | 160.967 | PC |
| 6032 | 9530142.420 | 354539.143 | 160.057 | PC |
| 6033 | 9530161.880 | 354539.704 | 158.974 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6034 | 9530183.977 | 354540.143 | 157.628 | PC |
| 6035 | 9530204.657 | 354540.858 | 159.334 | PC |
| 6036 | 9530225.380 | 354541.674 | 160.732 | PC |
| 6037 | 9530225.694 | 354555.865 | 160.550 | PC |
| 6038 | 9530204.884 | 354554.997 | 158.856 | PC |
| 6039 | 9530184.466 | 354552.028 | 157.626 | PC |
| 6040 | 9530164.255 | 354551.151 | 157.763 | PC |
| 6041 | 9530143.968 | 354551.379 | 160.511 | PC |
| 6042 | 9530137.551 | 354577.985 | 160.860 | PC |
| 6043 | 9530157.008 | 354577.589 | 157.752 | PC |
| 6044 | 9530176.935 | 354578.371 | 156.969 | PC |
| 6045 | 9530197.626 | 354578.781 | 157.846 | PC |
| 6046 | 9530218.246 | 354578.965 | 159.840 | PC |
| 6047 | 9530215.731 | 354611.786 | 159.846 | PC |
| 6048 | 9530195.562 | 354609.691 | 157.326 | PC |
| 6049 | 9530174.326 | 354609.651 | 156.680 | PC |
| 6050 | 9530153.537 | 354608.909 | 155.598 | PC |
| 6051 | 9530136.372 | 354608.000 | 159.430 | PC |
| 6052 | 9530140.496 | 354621.252 | 158.111 | PC |
| 6053 | 9530159.788 | 354622.158 | 155.419 | PC |
| 6054 | 9530179.275 | 354623.687 | 155.857 | PC |
| 6055 | 9530199.595 | 354624.140 | 157.873 | PC |
| 6056 | 9530219.367 | 354627.504 | 160.729 | PC |
| 6057 | 9530218.673 | 354638.077 | 160.999 | PC |
| 6058 | 9530200.025 | 354636.162 | 158.177 | PC |
| 6059 | 9530178.232 | 354635.929 | 155.188 | PC |
| 6060 | 9530157.042 | 354636.316 | 154.527 | PC |
| 6061 | 9530139.875 | 354636.249 | 158.393 | PC |
| 6062 | 9530141.543 | 354663.280 | 158.094 | PC |
| 6063 | 9530160.108 | 354655.802 | 153.312 | PC |
| 6064 | 9530178.553 | 354656.935 | 154.468 | PC |
| 6065 | 9530197.362 | 354656.581 | 157.374 | PC |
| 6066 | 9530216.219 | 354654.420 | 160.369 | PC |
| 6067 | 9530212.778 | 354672.956 | 159.665 | PC |
| 6068 | 9530192.888 | 354673.045 | 156.534 | PC |
| 6069 | 9530173.363 | 354674.295 | 152.534 | PC |
| 6070 | 9530153.939 | 354674.736 | 154.812 | PC |
| 6071 | 9530136.398 | 354677.279 | 157.201 | PC |
| 6072 | 9530140.131 | 354690.977 | 154.709 | PC |
| 6073 | 9530160.433 | 354690.301 | 153.190 | PC |
| 6074 | 9530180.678 | 354689.729 | 154.403 | PC |
| 6075 | 9530200.582 | 354690.418 | 157.184 | PC |
| 6076 | 9530220.435 | 354689.076 | 160.424 | PC |
| 6077 | 9530224.027 | 354706.670 | 159.860 | PC |
| 6078 | 9530203.893 | 354707.136 | 157.363 | PC |
| 6079 | 9530181.773 | 354709.576 | 154.280 | PC |
| 6080 | 9530160.792 | 354708.542 | 152.265 | PC |
| 6081 | 9530140.780 | 354708.132 | 154.096 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6082 | 9530140.334 | 354732.575 | 153.228 | PC |
| 6083 | 9530160.343 | 354730.090 | 151.980 | PC |
| 6084 | 9530179.438 | 354727.029 | 153.765 | PC |
| 6085 | 9530199.922 | 354723.398 | 155.609 | PC |
| 6086 | 9530219.803 | 354721.963 | 158.010 | PC |
| 6087 | 9530221.506 | 354737.895 | 157.231 | PC |
| 6088 | 9530200.713 | 354738.697 | 154.804 | PC |
| 6089 | 9530180.395 | 354744.292 | 153.632 | PC |
| 6090 | 9530160.024 | 354748.765 | 151.587 | PC |
| 6091 | 9530140.418 | 354754.107 | 153.140 | PC |
| 6092 | 9530141.764 | 354757.224 | 152.845 | PC |
| 6093 | 9530162.390 | 354756.791 | 151.696 | PC |
| 6094 | 9530182.318 | 354756.130 | 153.673 | PC |
| 6095 | 9530203.856 | 354757.898 | 155.591 | PC |
| 6096 | 9530135.751 | 354779.160 | 153.324 | PC |
| 6097 | 9530161.817 | 354776.832 | 151.940 | PC |
| 6098 | 9530182.905 | 354778.239 | 153.665 | PC |
| 6099 | 9530203.356 | 354778.212 | 155.108 | PC |
| 6100 | 9530223.161 | 354774.700 | 156.589 | PC |
| 6101 | 9530139.104 | 354806.522 | 152.203 | PC |
| 6102 | 9530159.507 | 354807.354 | 151.029 | PC |
| 6103 | 9530179.781 | 354805.715 | 151.777 | PC |
| 6104 | 9530200.061 | 354806.582 | 153.220 | PC |
| 6105 | 9530220.123 | 354811.009 | 154.363 | PC |
| 6106 | 9530080.227 | 354813.448 | 152.275 | PC |
| 6107 | 9530098.346 | 354815.733 | 152.704 | PC |
| 6108 | 9530117.021 | 354820.029 | 153.257 | PC |
| 6109 | 9530136.678 | 354824.236 | 152.434 | PC |
| 6110 | 9530156.240 | 354828.485 | 151.615 | PC |
| 6111 | 9530176.658 | 354831.501 | 152.332 | PC |
| 6112 | 9530196.912 | 354836.295 | 153.607 | PC |
| 6113 | 9530215.959 | 354841.113 | 154.067 | PC |
| 6114 | 9530217.538 | 354863.746 | 153.538 | PC |
| 6115 | 9530197.323 | 354859.755 | 153.474 | PC |
| 6116 | 9530177.822 | 354856.138 | 153.283 | PC |
| 6117 | 9530157.575 | 354852.910 | 151.616 | PC |
| 6118 | 9530137.208 | 354849.896 | 150.978 | PC |
| 6119 | 9530118.314 | 354846.061 | 151.827 | PC |
| 6120 | 9530098.472 | 354843.339 | 152.047 | PC |
| 6121 | 9530078.820 | 354838.388 | 153.191 | PC |
| 6123 | 9530080.467 | 354857.094 | 152.758 | PC |
| 6124 | 9530100.547 | 354860.563 | 153.103 | PC |
| 6125 | 9530121.348 | 354863.355 | 151.384 | PC |
| 6126 | 9530141.559 | 354866.595 | 151.523 | PC |
| 6127 | 9530163.358 | 354870.510 | 152.471 | PC |
| 6128 | 9530197.970 | 354889.643 | 152.811 | PC |
| 6129 | 9530218.476 | 354898.096 | 152.670 | PC |
| 6130 | 9529969.585 | 354672.065 | 156.291 | PC |

| CADERNETA DE CAMPO VERTEDOURO | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6131 | 9529949.885 | 354671.641 | 155.906 | PC |
| 6132 | 9529929.125 | 354671.131 | 155.672 | PC |
| 6133 | 9529908.617 | 354673.016 | 156.262 | PC |
| 6134 | 9529889.215 | 354672.814 | 156.431 | PC |
| 6135 | 9529889.078 | 354702.670 | 155.648 | PC |
| 6136 | 9529908.963 | 354700.901 | 155.330 | PC |
| 6137 | 9529929.112 | 354700.916 | 154.548 | PC |
| 6138 | 9529951.734 | 354700.254 | 154.463 | PC |
| 6139 | 9529973.391 | 354699.921 | 155.017 | PC |
| 6140 | 9529976.373 | 354724.516 | 154.010 | PC |
| 6141 | 9529955.311 | 354725.724 | 153.614 | PC |
| 6142 | 9529932.090 | 354727.275 | 153.829 | PC |
| 6143 | 9529911.351 | 354726.468 | 154.429 | PC |
| 6144 | 9529890.135 | 354726.893 | 154.753 | PC |
| 6145 | 9529893.266 | 354752.451 | 154.022 | PC |
| 6146 | 9529914.958 | 354752.575 | 153.537 | PC |
| 6147 | 9529936.196 | 354752.489 | 153.545 | PC |
| 6148 | 9529955.546 | 354752.595 | 153.196 | PC |
| 6149 | 9529974.400 | 354753.458 | 153.001 | PC |
| 6150 | 9529984.828 | 354788.229 | 152.958 | PC |
| 6151 | 9529961.040 | 354787.688 | 153.439 | PC |
| 6152 | 9529938.869 | 354788.006 | 152.024 | PC |
| 6153 | 9529917.839 | 354788.573 | 152.326 | PC |
| 6154 | 9529898.464 | 354789.378 | 153.496 | PC |
| 6155 | 9529983.608 | 354810.708 | 152.544 | PC |
| 6156 | 9529965.217 | 354806.374 | 152.705 | PC |
| 6157 | 9529946.775 | 354809.443 | 151.515 | PC |
| 6158 | 9529925.256 | 354808.583 | 152.226 | PC |
| 6159 | 9529906.261 | 354809.185 | 152.659 | PC |
| 6160 | 9530040.577 | 354832.817 | 153.440 | PC |
| 6161 | 9530020.503 | 354831.926 | 152.623 | PC |
| 6162 | 9530001.316 | 354830.635 | 152.883 | PC |
| 6163 | 9529979.327 | 354831.102 | 151.825 | PC |
| 6164 | 9529922.553 | 354832.892 | 148.664 | PC |
| 6165 | 9529902.518 | 354834.667 | 148.927 | PC |

CADERNETA DE CAMPO-JAZIDAS

| CADERNETA DE CAMPO – JAZIDA AREIA | | | | |
|-----------------------------------|-------------|------------|------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 11546 | 9525787,564 | 354215,122 | | JA-01 |
| 11545 | 9526259,328 | 354022,231 | | JA-02 |
| 11544 | 9526700,568 | 354065,432 | | JA-03 |
| 11543 | 9526867,745 | 354535,511 | | JA-04 |
| 11542 | 9527247,423 | 354751,455 | | JA-05 |
| 11541 | 9527732,619 | 354781,325 | | JA-06 |
| 11540 | 9527824,472 | 355253,441 | | JA-07 |
| 11539 | 9528238,585 | 355433,142 | | JA-08 |
| 11538 | 9528626,284 | 355142,331 | | JA-09 |
| 11537 | 9529087,377 | 355029,43 | | JA-10 |
| 11566 | 95296600,79 | 355074,128 | | JA-11 |
| 11567 | 9529756,545 | 354907,223 | | JA-12 |
| 11568 | 9530229,477 | 354977,331 | | JA-13 |
| 11569 | 9530678,289 | 355113,412 | | JA-14 |
| 11570 | 9530842,591 | 355186,331 | | JA-15 |
| 11571 | 9531253,356 | 355460,412 | | JA-16 |
| 11572 | 9531568,554 | 355833,678 | | JA-17 |
| 11573 | 9532005,413 | 356078,445 | | JA-18 |
| 11574 | 9532424,287 | 356042,513 | | JA-19 |
| 11575 | 9532474,371 | 355558,612 | | JA-20 |
| 11576 | 9532560,812 | 355072,137 | | JA-21 |
| 11577 | 9532979,623 | 354973,312 | | JA-22 |
| 11578 | 9533362,841 | 355289,415 | | JA-23 |
| 11579 | 9533790,415 | 355522,337 | | JA-24 |
| 11580 | 9534270,332 | 355519,465 | | JA-25 |
| 11581 | 9534483,421 | 355072,712 | | JA-26 |
| 11582 | 9534557,411 | 354592,568 | | JA-27 |
| 11583 | 9534919,321 | 354273,412 | | JA-28 |
| 11584 | 9535340,314 | 354012,331 | | JA-29 |
| 11585 | 9535815,418 | 353881,289 | | JA-30 |
| 11586 | 9536308,845 | 353874,441 | | JA-31 |
| 11587 | 9536840,374 | 353828,352 | | JA-32 |
| 11588 | 9537238,512 | 353586,413 | | JA-33 |
| 11589 | 9537342,432 | 353161,513 | | JA-34 |
| 11590 | 9537501,523 | 352715,331 | | JA-35 |
| 11591 | 9537838,899 | 352357,415 | | JA-36 |
| 11592 | 9538265,498 | 352115,851 | | JA-37 |
| 11593 | 9538479,765 | 351729,388 | | JA-38 |
| 11594 | 9538245,423 | 351295,614 | | JA-39 |
| 11595 | 9538458,875 | 350875,533 | | JA-40 |
| 11596 | 9538646,412 | 350421,418 | | JA-41 |
| 11597 | 9538818,235 | 349973,385 | | JA-42 |
| 11565 | 9518075,441 | 354484,418 | | JA-43 |
| 11564 | 9518364,625 | 354117,333 | | JA-44 |
| 11563 | 9518416,387 | 353627,463 | | JA-45 |
| 11562 | 9518840,405 | 353431,331 | | JA-46 |
| 11561 | 9519298,688 | 353636,548 | | JA-47 |
| 11560 | 9519698,455 | 353358,843 | | JA-48 |

| CADERNETA DE CAMPO – JAZIDA AREIA | | | | |
|--|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 11559 | 9519847,603 | 352901,144 | | JA-49 |
| 11558 | 9520321,418 | 353054,256 | | JA-50 |
| 11557 | 9520802,841 | 353102,613 | | JA-51 |
| 11556 | 9521248,712 | 353169,523 | | JA-52 |
| 11555 | 9521730,325 | 353288,384 | | JA-53 |
| 11554 | 9522221,488 | 353360,662 | | JA-54 |
| 11553 | 9522713,223 | 353320,554 | | JA-55 |
| 11552 | 9523189,584 | 353266,184 | | JA-56 |
| 11551 | 9523664,623 | 353491,356 | | JA-57 |
| 11550 | 9523942,139 | 353927,428 | | JA-58 |
| 11549 | 9524398,352 | 354113,674 | | JA-59 |
| 11548 | 9524880,411 | 354235,352 | | JA-60 |
| 11547 | 9525370,511 | 354307,132 | | JA-61 |

| CADERNETA DE CAMPO – JAZIDA 1 | | | | |
|-------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 1942 | 9528660.233 | 356600.073 | 180.513 | J1-01 |
| 540 | 9528581.435 | 356544.650 | 173.132 | J1-02 |
| 539 | 9528494.655 | 356484.823 | 172.493 | J1-03 |
| 5118 | 9528409.325 | 356424.294 | 170.228 | J1-04 |
| 533 | 9528736.170 | 356515.328 | 180.555 | J1-05 |
| 11484 | 9528658.000 | 356454.000 | 176.742 | J1-06 |
| 535 | 9528598.373 | 356384.306 | 177.966 | J1-07 |
| 536 | 9528539.001 | 356325.879 | 175.818 | J1-08 |
| 5117 | 9528803.457 | 356439.710 | 183.206 | J1-09 |
| 2096 | 9528731.878 | 356373.398 | 181.783 | J1-10 |
| 2097 | 9528657.224 | 356306.131 | 180.147 | J1-11 |
| 2098 | 9528582.012 | 356236.147 | 178.808 | J1-12 |
| 532 | 9528889.360 | 356364.351 | 184.615 | J1-13 |
| 529 | 9528835.627 | 356279.063 | 183.852 | J1-14 |
| 528 | 9528779.085 | 356187.800 | 181.140 | J1-15 |
| 527 | 9528718.193 | 356091.487 | 178.217 | J1-16 |
| 531 | 9528960.858 | 356304.737 | 185.175 | J1-17 |
| 530 | 9528897.774 | 356230.324 | 182.253 | J1-18 |
| 523 | 9528830.333 | 356153.036 | 183.230 | J1-19 |
| 524 | 9528749.692 | 356061.898 | 179.612 | J1-20 |
| 520 | 9529032.177 | 356243.213 | 182.942 | J1-21 |
| 521 | 9528963.823 | 356162.798 | 181.336 | J1-22 |
| 522 | 9528904.962 | 356090.725 | 180.514 | J1-23 |
| 5113 | 9528841.353 | 356013.385 | 180.411 | J1-24 |
| 483 | 9529110.330 | 356182.563 | 183.175 | J1-25 |
| 482 | 9529047.690 | 356105.492 | 181.913 | J1-26 |
| 481 | 9528987.128 | 356029.987 | 178.346 | J1-27 |
| 480 | 9528924.465 | 355956.264 | 179.906 | J1-28 |
| 472 | 9529187.455 | 356117.042 | 180.935 | J1-29 |
| 473 | 9529123.682 | 356038.569 | 181.096 | J1-30 |
| 474 | 9529061.147 | 355961.076 | 178.050 | J1-31 |
| 475 | 9528998.399 | 355875.695 | 177.298 | J1-32 |
| 466 | 9529266.629 | 356051.570 | 178.660 | J1-33 |
| 467 | 9529207.708 | 355970.963 | 178.656 | J1-34 |
| 468 | 9529142.364 | 355882.255 | 177.440 | J1-35 |
| 469 | 9529091.201 | 355810.515 | 174.968 | J1-36 |
| 460 | 9529340.525 | 355989.754 | 177.481 | J1-37 |
| 461 | 9529282.571 | 355914.864 | 175.271 | J1-38 |
| 462 | 9529223.166 | 355837.122 | 175.756 | J1-39 |
| 463 | 9529164.839 | 355762.858 | 172.078 | J1-40 |
| 252 | 9529421.591 | 355928.655 | 179.241 | J1-41 |
| 253 | 9529365.861 | 355863.853 | 175.553 | J1-42 |
| 1432 | 9529296.940 | 355784.561 | 170.899 | J1-43 |
| 265 | 9529255.398 | 355737.554 | 170.629 | J1-44 |
| 5119 | 9528332.531 | 356370.729 | 169.457 | J1-45 |
| 5120 | 9528265.866 | 356322.893 | 166.958 | J1-46 |
| 537 | 9528465.558 | 356254.768 | 174.005 | J1-47 |
| 538 | 9528394.633 | 356185.476 | 173.117 | J1-48/49 |

| CADERNETA DE CAMPO – JAZIDA 1 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 2099 | 9528512.875 | 356172.701 | 178.661 | J1-50 |
| 2100 | 9528434.354 | 356101.558 | 175.488 | J1-51 |
| 11486 | 9528592.312 | 356087.640 | 175.872 | J1-52 |
| 11487 | 9528519.393 | 356019.248 | 171.777 | J1-53 |
| 526 | 9528665.024 | 356004.259 | 173.049 | J1-54 |
| 525 | 9528610.890 | 355919.344 | 167.098 | J1-55 |
| 5114 | 9528777.732 | 355935.198 | 176.548 | J1-56 |
| 5115 | 9528717.690 | 355861.112 | 172.765 | J1-57 |
| 479 | 9528851.131 | 355867.486 | 177.086 | J1-58 |
| 478 | 9528796.947 | 355804.211 | 173.838 | J1-59 |
| 476 | 9528939.545 | 355792.488 | 176.802 | J1-60 |
| 477 | 9528881.117 | 355709.719 | 171.714 | J1-61 |
| 470 | 9529027.724 | 355732.267 | 174.806 | J1-62 |
| 471 | 9528955.338 | 355648.455 | 172.574 | J1-63 |
| 464 | 9529098.040 | 355677.934 | 173.465 | J1-64 |
| 465 | 9529036.750 | 355604.260 | 171.527 | J1-65 |
| 458 | 9529185.519 | 355664.750 | 171.348 | J1-66 |
| 459 | 9529115.150 | 355596.913 | 173.610 | J1-67 |

| CADERNETA DE CAMPO – JAZIDA 2 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4571 | 9527557.179 | 356995.581 | 173.573 | J2-01 |
| 4572 | 9527472.862 | 357043.232 | 172.563 | J2-02 |
| 4573 | 9527388.054 | 357090.345 | 171.028 | J2-03 |
| 4574 | 9527301.536 | 357136.073 | 170.679 | J2-04 |
| 4575 | 9527223.075 | 357183.609 | 170.778 | J2-05 |
| 4576 | 9527133.293 | 357238.840 | 169.301 | J2-06 |
| 4577 | 9527045.462 | 357286.996 | 169.649 | J2-07 |
| 6375 | 9527511.727 | 356900.608 | 171.731 | J2-08 |
| 5145 | 9527420.223 | 356943.548 | 171.590 | J2-09 |
| 4570 | 9527336.336 | 356994.647 | 167.780 | J2-10 |
| 4569 | 9527250.869 | 357046.091 | 168.223 | J2-11 |
| 4568 | 9527162.092 | 357100.507 | 170.084 | J2-12 |
| 4567 | 9527083.059 | 357149.857 | 167.017 | J2-13 |
| 4566 | 9526997.666 | 357201.583 | 169.473 | J2-14 |
| 4560 | 9527444.586 | 356794.091 | 169.518 | J2-15 |
| 4561 | 9527365.489 | 356849.435 | 168.691 | J2-16 |
| 4562 | 9527287.397 | 356905.725 | 165.713 | J2-17 |
| 6374 | 9527204.887 | 356964.740 | 165.996 | J2-18 |
| 4563 | 9527114.178 | 357007.030 | 165.835 | J2-19 |
| 4564 | 9527028.665 | 357056.681 | 167.566 | J2-20 |
| 4565 | 9526945.419 | 357106.698 | 167.031 | J2-21 |
| 4559 | 9527399.502 | 356728.296 | 167.110 | J2-22 |
| 4558 | 9527316.681 | 356779.967 | 166.771 | J2-23 |
| 4557 | 9527237.692 | 356829.649 | 163.698 | J2-24 |
| 6373 | 9527150.273 | 356874.506 | 164.051 | J2-25 |
| 4556 | 9527073.186 | 356914.498 | 164.353 | J2-26 |
| 4555 | 9526979.428 | 356963.998 | 169.674 | J2-27 |
| 5151 | 9526889.209 | 357009.713 | 166.971 | J2-28 |
| 4550 | 9527335.882 | 356652.619 | 166.276 | J2-29 |
| 4549 | 9527279.447 | 356684.933 | 165.087 | J2-30 |
| 4551 | 9527192.471 | 356737.325 | 162.326 | J2-31 |
| 4552 | 9527107.161 | 356782.989 | 166.514 | J2-32 |
| 4553 | 9527018.631 | 356834.225 | 169.598 | J2-33 |
| 4554 | 9526927.902 | 356883.966 | 167.584 | J2-34 |
| 5150 | 9526841.758 | 356931.501 | 164.907 | J2-35 |
| 5146 | 9527334.012 | 356554.733 | 161.668 | J2-36 |
| 5147 | 9527231.156 | 356607.015 | 162.253 | J2-37 |
| 4548 | 9527143.380 | 356652.904 | 162.681 | J2-38 |
| 4544 | 9527060.135 | 356697.535 | 166.128 | J2-39 |
| 4547 | 9526970.677 | 356745.928 | 168.599 | J2-40 |
| 5148 | 9526880.760 | 356795.616 | 165.475 | J2-41 |
| 5149 | 9526797.070 | 356842.738 | 163.236 | J2-42 |
| 6372 | 9527275.427 | 356489.714 | 162.567 | J2-43 |
| 6371 | 9527183.000 | 356521.000 | 162.887 | J2-44 |
| 6370 | 9527093.000 | 356568.000 | 162.629 | J2-45 |
| 4545 | 9527012.893 | 356607.711 | 164.444 | J2-46 |
| 4546 | 9526926.139 | 356654.120 | 167.066 | J2-47 |
| 6369 | 9526837.000 | 356703.000 | 165.648 | J2-48 |

| CADERNETA DE CAMPO – JAZIDA 2 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 6368 | 9526753.500 | 356745.000 | 163.966 | J2-49 |
| 4604 | 9527761.325 | 357338.961 | 176.654 | J2-50 |
| 4603 | 9527671.785 | 357394.693 | 180.650 | J2-51 |
| 4602 | 9527587.698 | 357437.352 | 180.454 | J2-52 |
| 4601 | 9527500.209 | 357485.743 | 178.499 | J2-53 |
| 4600 | 9527413.434 | 357536.240 | 177.226 | J2-54 |
| 4599 | 9527326.121 | 357584.662 | 175.113 | J2-55 |
| 4598 | 9527248.138 | 357629.671 | 172.266 | J2-56 |
| 4591 | 9527706.182 | 357258.494 | 175.372 | J2-57 |
| 4592 | 9527625.557 | 357301.744 | 177.899 | J2-58 |
| 4593 | 9527536.244 | 357350.240 | 178.789 | J2-59 |
| 4594 | 9527449.551 | 357397.958 | 177.467 | J2-60 |
| 4595 | 9527364.265 | 357446.109 | 176.020 | J2-61 |
| 4596 | 9527277.989 | 357495.673 | 175.092 | J2-62 |
| 4597 | 9527195.483 | 357542.651 | 172.506 | J2-63 |
| 4590 | 9527661.711 | 357161.596 | 172.070 | J2-64 |
| 4589 | 9527573.571 | 357212.319 | 175.865 | J2-65 |
| 4588 | 9527484.308 | 357262.877 | 176.580 | J2-66 |
| 4587 | 9527399.628 | 357310.690 | 174.615 | J2-67 |
| 4586 | 9527317.204 | 357358.813 | 173.423 | J2-68 |
| 4585 | 9527233.205 | 357406.029 | 171.767 | J2-69 |
| 4584 | 9527155.093 | 357451.331 | 170.920 | J2-70 |
| 4581 | 9527614.139 | 357074.641 | 171.557 | J2-71 |
| 4580 | 9527529.081 | 357123.222 | 174.543 | J2-72 |
| 4579 | 9527438.634 | 357175.052 | 174.670 | J2-73 |
| 4578 | 9527351.807 | 357224.203 | 173.510 | J2-74 |
| 4582 | 9527264.466 | 357272.604 | 172.233 | J2-75 |
| 4583 | 9527180.086 | 357320.730 | 170.120 | J2-76 |
| 6376 | 9527102.691 | 357369.040 | 170.288 | J2-77 |

| CADERNETA DE CAMPO – JAZIDA 3 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4607 | 9528592.404 | 354847.426 | 162.439 | J3-01 |
| 4606 | 9528667.640 | 354785.340 | 165.897 | J3-02 |
| 4605 | 9528744.704 | 354725.145 | 168.580 | J3-03 |
| 4608 | 9528440.584 | 354836.536 | 161.873 | J3-04 |
| 4609 | 9528526.715 | 354768.058 | 166.152 | J3-05 |
| 4610 | 9528604.608 | 354708.692 | 172.765 | J3-06 |
| 4611 | 9528678.250 | 354644.650 | 173.183 | J3-07 |
| 4616 | 9528388.134 | 354759.070 | 170.427 | J3-08 |
| 4615 | 9528464.571 | 354693.959 | 170.018 | J3-09 |
| 4614 | 9528543.010 | 354630.811 | 179.977 | J3-10 |
| 4613 | 9528620.364 | 354565.285 | 178.270 | J3-11 |
| 4612 | 9528690.137 | 354503.470 | 176.839 | J3-12 |
| 4617 | 9528247.660 | 354732.148 | 173.767 | J3-13 |
| 4618 | 9528322.432 | 354674.711 | 171.894 | J3-14 |
| 4619 | 9528404.040 | 354611.791 | 174.746 | J3-15 |
| 4620 | 9528477.973 | 354552.646 | 185.742 | J3-16 |
| 4621 | 9528550.588 | 354493.614 | 186.147 | J3-17 |
| 4622 | 9528628.152 | 354427.667 | 176.422 | J3-18 |
| 4629 | 9528086.591 | 354733.258 | 179.913 | J3-19 |
| 4628 | 9528161.363 | 354676.725 | 175.332 | J3-20 |
| 4627 | 9528246.048 | 354612.628 | 178.782 | J3-21 |
| 4626 | 9528331.672 | 354546.189 | 180.012 | J3-22 |
| 4625 | 9528420.896 | 354480.050 | 187.015 | J3-23 |
| 4624 | 9528489.640 | 354422.970 | 187.751 | J3-24 |
| 4623 | 9528565.946 | 354359.204 | 177.293 | J3-25 |
| 4630 | 9527971.304 | 354701.872 | 179.073 | J3-26 |
| 4631 | 9528046.456 | 354640.487 | 183.048 | J3-27 |
| 4632 | 9528120.125 | 354581.729 | 180.904 | J3-28 |
| 4633 | 9528196.210 | 354522.112 | 185.376 | J3-29 |
| 4634 | 9528272.426 | 354463.138 | 186.436 | J3-30 |
| 4635 | 9528354.828 | 354399.416 | 188.027 | J3-31 |
| 4636 | 9528429.412 | 354341.510 | 181.684 | J3-32 |
| 4637 | 9528500.226 | 354283.252 | 175.550 | J3-33 |
| 4643 | 9527952.539 | 354611.443 | 189.568 | J3-34 |
| 4642 | 9528027.071 | 354547.617 | 184.712 | J3-35 |
| 4641 | 9528095.438 | 354489.608 | 184.266 | J3-36 |
| 11477 | 9528130.724 | 354483.203 | 184.882 | J3-37 |
| 4640 | 9528233.060 | 354380.351 | 187.742 | J3-38 |
| 11476 | 9528291.724 | 354362.203 | 186.049 | J3-39 |
| 4639 | 9528367.861 | 354280.353 | 179.949 | J3-40 |
| 4638 | 9528454.203 | 354214.987 | 175.331 | J3-41 |
| 4645 | 9527856.082 | 354595.432 | 180.895 | J3-42 |
| 4646 | 9527922.449 | 354535.097 | 188.775 | J3-43 |
| 4647 | 9527990.394 | 354474.719 | 188.972 | J3-44 |
| 4648 | 9528076.127 | 354398.819 | 185.437 | J3-45 |
| 4742 | 9528154.688 | 354327.914 | 184.295 | J3-46 |
| 5085 | 9528233.577 | 354259.849 | 180.841 | J3-47 |
| 4743 | 9528305.433 | 354194.530 | 178.570 | J3-48 |

| CADERNETA DE CAMPO – JAZIDA 3 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4744 | 9528378.237 | 354132.849 | 177.133 | J3-49 |
| 4748 | 9527771.554 | 354581.773 | 174.222 | J3-50 |
| 4747 | 9527860.483 | 354490.516 | 186.439 | J3-51 |
| 4746 | 9527926.855 | 354424.177 | 189.927 | J3-52 |
| 4745 | 9527999.053 | 354353.884 | 185.492 | J3-53 |
| 5088 | 9528095.076 | 354261.606 | 178.775 | J3-54 |
| 5087 | 9528174.484 | 354191.472 | 176.443 | J3-55 |
| 5086 | 9528249.334 | 354125.749 | 172.833 | J3-56 |
| 4749 | 9527769.428 | 354411.727 | 185.551 | J3-57 |
| 5090 | 9527823.261 | 354364.893 | 192.466 | J3-58 |
| 5089 | 9527899.522 | 354300.917 | 186.325 | J3-59 |
| 4750 | 9527984.697 | 354228.944 | 180.581 | J3-60 |
| 4751 | 9528038.402 | 354183.683 | 179.244 | J3-61 |
| 4752 | 9528112.694 | 354119.893 | 177.142 | J3-62 |
| 4753 | 9528189.758 | 354053.748 | 178.015 | J3-63 |
| 4760 | 9527658.097 | 354372.685 | 180.504 | J3-64 |
| 4759 | 9527737.105 | 354300.806 | 189.011 | J3-65 |
| 4758 | 9527812.284 | 354236.089 | 189.022 | J3-66 |
| 4757 | 9527897.251 | 354163.658 | 185.589 | J3-67 |
| 4756 | 9527966.335 | 354106.625 | 185.860 | J3-68 |
| 4755 | 9528045.988 | 354042.769 | 184.272 | J3-69 |
| 4754 | 9528125.724 | 353980.203 | 180.646 | J3-70 |

| CADERNETA DE CAMPO – JAZIDA 4 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 227 | 9530545.498 | 355827.969 | 160.790 | J4-01 |
| 228 | 9530597.519 | 355811.769 | 160.841 | J4-02 |
| 229 | 9530691.097 | 355781.867 | 159.791 | J4-03 |
| 230 | 9530787.388 | 355751.534 | 158.492 | J4-04 |
| 231 | 9530876.873 | 355724.810 | 157.111 | J4-05 |
| 232 | 9530472.148 | 355747.407 | 167.882 | J4-06 |
| 233 | 9530568.436 | 355717.959 | 163.730 | J4-07 |
| 234 | 9530661.567 | 355689.637 | 165.652 | J4-08 |
| 235 | 9530756.076 | 355659.386 | 165.743 | J4-09 |
| 236 | 9530849.795 | 355630.349 | 161.657 | J4-10 |
| 237 | 9530442.378 | 355655.122 | 168.357 | J4-11 |
| 238 | 9530538.813 | 355623.775 | 166.129 | J4-12 |
| 239 | 9530629.284 | 355595.393 | 168.425 | J4-13 |
| 240 | 9530720.537 | 355564.575 | 168.285 | J4-14 |
| 241 | 9530810.800 | 355534.487 | 164.908 | J4-15 |
| 246 | 9530416.293 | 355559.071 | 171.603 | J4-16 |
| 245 | 9530508.429 | 355529.228 | 167.212 | J4-17 |
| 244 | 9530601.520 | 355498.932 | 163.073 | J4-18 |
| 243 | 9530692.739 | 355468.453 | 163.644 | J4-19 |
| 242 | 9530786.266 | 355438.492 | 160.697 | J4-20 |
| 251 | 9530371.293 | 355416.307 | 166.454 | J4-21 |
| 247 | 9530479.061 | 355437.819 | 166.705 | J4-22 |
| 250 | 9530558.689 | 355354.649 | 159.821 | J4-23 |
| 249 | 9530651.666 | 355326.288 | 157.978 | J4-24 |
| 248 | 9530745.322 | 355293.081 | 154.349 | J4-25 |
| 5112 | 9530349.830 | 355370.731 | 164.081 | J4-26 |
| 5111 | 9530445.878 | 355339.535 | 158.408 | J4-27 |
| 5110 | 9530544.446 | 355308.993 | 156.817 | J4-28 |
| 5109 | 9530642.185 | 355276.590 | 156.940 | J4-29 |
| 5108 | 9530735.635 | 355245.208 | 152.904 | J4-30 |

| CADERNETA DE CAMPO – JAZIDA 5 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4868 | 9531799.280 | 356848.662 | 151.470 | J5-01 |
| 4867 | 9531744.688 | 356791.867 | 151.295 | J5-02 |
| 4866 | 9531669.633 | 356714.973 | 152.466 | J5-03 |
| 4865 | 9531602.687 | 356641.594 | 158.395 | J5-04 |
| 4864 | 9531536.331 | 356574.451 | 156.968 | J5-05 |
| 4863 | 9531469.228 | 356496.695 | 155.411 | J5-06 |
| 4862 | 9531390.564 | 356425.218 | 155.046 | J5-07 |
| 4869 | 9531726.681 | 356936.779 | 151.382 | J5-08 |
| 4870 | 9531664.044 | 356863.081 | 153.122 | J5-09 |
| 4871 | 9531599.576 | 356793.341 | 155.876 | J5-10 |
| 4872 | 9531527.458 | 356715.750 | 161.036 | J5-11 |
| 4873 | 9531457.686 | 356640.772 | 159.324 | J5-12 |
| 4874 | 9531381.957 | 356566.783 | 159.134 | J5-13 |
| 4875 | 9531320.114 | 356497.484 | 158.970 | J5-14 |
| 6382 | 9531647.867 | 357001.232 | 154.902 | J5-15 |
| 4881 | 9531584.633 | 356933.724 | 156.480 | J5-16 |
| 4880 | 9531519.257 | 356861.950 | 159.190 | J5-17 |
| 4879 | 9531450.395 | 356786.406 | 159.358 | J5-18 |
| 4878 | 9531382.332 | 356710.708 | 161.605 | J5-19 |
| 4877 | 9531315.744 | 356636.422 | 159.284 | J5-20 |
| 4876 | 9531250.837 | 356566.414 | 154.991 | J5-21 |
| 4891 | 9531572.873 | 357062.211 | 158.233 | J5-22 |
| 4890 | 9531510.417 | 356994.851 | 161.590 | J5-23 |
| 4889 | 9531442.858 | 356923.456 | 161.947 | J5-24 |
| 4888 | 9531374.914 | 356850.894 | 163.564 | J5-25 |
| 4887 | 9531307.236 | 356779.096 | 160.866 | J5-26 |
| 4886 | 9531245.796 | 356714.005 | 157.046 | J5-27 |
| 6379 | 9531163.000 | 356780.000 | 161.111 | J5-28 |
| 4885 | 9531234.417 | 356847.352 | 161.675 | J5-29 |
| 4892 | 9531163.487 | 356913.703 | 163.460 | J5-30 |
| 4894 | 9531302.603 | 356923.539 | 164.516 | J5-31 |
| 4893 | 9531233.140 | 356989.595 | 164.146 | J5-32 |
| 4895 | 9531369.432 | 356993.156 | 164.751 | J5-33 |
| 4896 | 9531305.401 | 357061.109 | 164.590 | J5-34 |
| 4898 | 9531438.964 | 357067.286 | 166.206 | J5-35 |
| 4897 | 9531369.794 | 357139.127 | 167.243 | J5-36 |
| 4899 | 9531510.537 | 357143.982 | 162.146 | J5-37 |
| 4900 | 9531433.906 | 357210.637 | 168.518 | J5-38 |
| 4882 | 9531790.295 | 357016.134 | 156.258 | J5-39 |
| 6381 | 9531727.065 | 357074.664 | 159.035 | J5-40 |
| 4883 | 9531657.655 | 357144.986 | 162.420 | J5-41 |
| 4884 | 9531581.391 | 357217.704 | 163.437 | J5-42 |
| 6380 | 9531508.225 | 357286.351 | 168.398 | J5-43 |
| 4901 | 9531438.462 | 357355.520 | 173.255 | J5-44 |
| 4902 | 9531358.246 | 357440.135 | 179.435 | J5-45 |
| 4909 | 9531861.133 | 357085.738 | 158.663 | J5-46 |
| 4908 | 9531788.917 | 357149.309 | 163.333 | J5-47 |
| 4907 | 9531708.935 | 357227.961 | 168.927 | J5-48 |

| CADERNETA DE CAMPO – JAZIDA 5 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4906 | 9531650.630 | 357285.474 | 165.625 | J5-49 |
| 4905 | 9531573.205 | 357360.088 | 173.159 | J5-50 |
| 4904 | 9531492.780 | 357438.090 | 175.583 | J5-51 |
| 4903 | 9531430.665 | 357503.108 | 179.146 | J5-52 |
| 4910 | 9531944.243 | 357155.276 | 158.955 | J5-53 |
| 4911 | 9531872.552 | 357217.000 | 167.268 | J5-54 |
| 4912 | 9531813.113 | 357281.202 | 170.222 | J5-55 |
| 4913 | 9531724.419 | 357355.836 | 173.646 | J5-56 |
| 4914 | 9531644.569 | 357431.196 | 176.454 | J5-57 |
| 4915 | 9531567.634 | 357503.406 | 177.478 | J5-58 |
| 4916 | 9531497.868 | 357569.127 | 178.880 | J5-59 |

| CADERNETA DE CAMPO – JAZIDA 6 | | | | |
|-------------------------------|-------------|----------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 7 | 9526647.655 | 357949.777 | 169.246 | J6-01 |
| 4483 | 9526719.231 | 357870.738 | 171.784 | J6-02 |
| 4482 | 9526786.965 | 357799.218 | 175.618 | J6-03 |
| 4481 | 9526852.088 | 357728.146 | 177.672 | J6-04 |
| 4484 | 9526582.787 | 357882.013 | 168.295 | J6-05 |
| 4485 | 9526643.290 | 357811.484 | 169.933 | J6-06 |
| 4486 | 9526711.045 | 357729.328 | 171.876 | J6-07 |
| 4487 | 9526772.753 | 357658.018 | 175.609 | J6-08 |
| 4488 | 9526842.761 | 357578.061 | 173.992 | J6-09 |
| 4489 | 9526896.739 | 357504.832 | 168.343 | J6-10 |
| 6377 | 9526967.887 | 357418.907 | 167.277 | J6-11 |
| 21 | 9526513.050 | 357816.158 | 169.090 | J6-12 |
| 4492 | 9526576.661 | 357739.808 | 167.967 | J6-13 |
| 19 | 9526641.740 | 357663.585 | 170.029 | J6-14 |
| 4491 | 9526706.251 | 357589.156 | 171.181 | J6-15 |
| 4490 | 9526772.260 | 357512.647 | 171.185 | J6-16 |
| 16 | 9526837.323 | 357438.559 | 168.199 | J6-17 |
| 5152 | 9526903.943 | 357363.934 | 164.937 | J6-18 |
| 4493 | 9526432.718 | 357743.594 | 170.709 | J6-19 |
| 4494 | 9526493.676 | 357682.657 | 168.638 | J6-20 |
| 4495 | 9526569.999 | 357597.497 | 167.348 | J6-21 |
| 4496 | 9526633.036 | 357526.379 | 166.150 | J6-22 |
| 4497 | 9526704.138 | 357446.641 | 170.041 | J6-23 |
| 4498 | 9526758.096 | 357385.825 | 171.241 | J6-24 |
| 5153 | 9526830.883 | 357299.885 | 164.413 | J6-25 |
| 4502 | 9526369.970 | 357657.101 | 172.389 | J6-26 |
| 4501 | 9526439.559 | 357585.820 | 171.585 | J6-27 |
| 4499 | 9526497.726 | 357529.396 | 168.187 | J6-28 |
| 5157 | 9526568.496 | 357452.897 | 165.046 | J6-29 |
| 5156 | 9526610.547 | 357403.780 | 165.803 | J6-30 |
| 5155 | 9526650.420 | 357355.078 | 165.107 | J6-31 |
| 5154 | 9526754.260 | 357236.849 | 165.250 | J6-32 |
| 4503 | 9526296.314 | 357597.363 | 168.944 | J6-33 |
| 4504 | 9526353.450 | 357537.820 | 167.611 | J6-34 |
| 4505 | 9526426.893 | 357462.160 | 166.175 | J6-35 |
| 4506 | 9526495.912 | 357385.519 | 167.475 | J6-36 |
| 4507 | 9526563.037 | 357310.658 | 168.057 | J6-37 |
| 4508 | 9526628.210 | 357240.065 | 167.415 | J6-38 |
| 4509 | 9526693.267 | 357168.587 | 167.374 | J6-39 |
| 4516 | 9526214.074 | 357535.153 | 170.172 | J6-40 |
| 4515 | 9526281.862 | 357467.813 | 168.716 | J6-41 |
| 4514 | 9526354.843 | 357394.645 | 168.486 | J6-42 |
| 4513 | 9526422.898 | 357322.795 | 167.741 | J6-43 |
| 4512 | 9526490.947 | 357251.634 | 170.979 | J6-44 |
| 4511 | 9526559.222 | 357181.116 | 170.899 | J6-45 |
| 4510 | 9526629.446 | 357106.817 | 169.196 | J6-46 |
| 4517 | 9526150.760 | 357462.629 | 167.455 | J6-47 |
| 5158 | 9526221.754 | 357383.699,167 | 167.110 | J6-48 |

| CADERNETA DE CAMPO – JAZIDA 6 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4518 | 9526292.639 | 357319.126 | 167.016 | J6-49 |
| 4519 | 9526353.419 | 357258.094 | 167.564 | J6-50 |
| 4520 | 9526423.510 | 357188.932 | 171.001 | J6-51 |
| 4521 | 9526496.648 | 357117.061 | 169.665 | J6-52 |
| 4522 | 9526565.591 | 357049.215 | 166.800 | J6-53 |
| 5159 | 9526094.328 | 357386.177 | 167.165 | J6-54 |
| 4528 | 9526147.050 | 357325.811 | 168.116 | J6-55 |
| 4527 | 9526214.946 | 357257.419 | 167.855 | J6-56 |
| 4526 | 9526287.217 | 357184.715 | 168.196 | J6-57 |
| 4525 | 9526357.287 | 357110.869 | 170.470 | J6-58 |
| 4524 | 9526427.722 | 357036.441 | 167.960 | J6-59 |
| 4523 | 9526496.872 | 356961.287 | 164.768 | J6-60 |

| CADERNETA DE CAMPO – JAZIDA 7 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4919 | 9529310.455 | 357310.415 | 171.700 | J7-01 |
| 4917 | 9529307.338 | 357410.389 | 177.390 | J7-02 |
| 4918 | 9529308.756 | 357509.075 | 174.614 | J7-03 |
| 4920 | 9529406.700 | 357308.011 | 171.901 | J7-04 |
| 4921 | 9529410.413 | 357407.322 | 174.126 | J7-05 |
| 4922 | 9529411.298 | 357507.844 | 175.005 | J7-06 |
| 4925 | 9529509.313 | 357304.868 | 171.147 | J7-07 |
| 4924 | 9529513.684 | 357406.271 | 171.220 | J7-08 |
| 4923 | 9529513.319 | 357507.687 | 177.419 | J7-09 |
| 4926 | 9529613.064 | 357296.227 | 178.248 | J7-10 |
| 4927 | 9529613.387 | 357402.612 | 171.846 | J7-11 |
| 4928 | 9529612.934 | 357501.779 | 170.648 | J7-12 |
| 4930 | 9529714.052 | 357306.758 | 179.892 | J7-13 |
| 4929 | 9529711.477 | 357401.748 | 173.249 | J7-14 |
| 6378 | 9529700.588 | 357501.289 | 169.574 | J7-15 |
| 4931 | 9529814.668 | 357307.064 | 175.162 | J7-16 |
| 4932 | 9529809.986 | 357404.755 | 169.430 | J7-17 |
| 4933 | 9529806.176 | 357488.558 | 167.469 | J7-18 |
| 4936 | 9529912.187 | 357312.229 | 173.810 | J7-19 |
| 4935 | 9529906.395 | 357408.650 | 170.450 | J7-20 |
| 4934 | 9529900.552 | 357506.018 | 167.513 | J7-21 |
| 4937 | 9530013.466 | 357318.416 | 170.513 | J7-22 |
| 4938 | 9530004.814 | 357411.863 | 168.198 | J7-23 |
| 4939 | 9529999.369 | 357511.967 | 166.707 | J7-24 |
| 4942 | 9530116.043 | 357332.674 | 164.651 | J7-25 |
| 4941 | 9530104.438 | 357422.914 | 166.565 | J7-26 |
| 4940 | 9530095.731 | 357522.299 | 169.658 | J7-27 |
| 4945 | 9530214.783 | 357334.950 | 167.782 | J7-28 |
| 4944 | 9530204.591 | 357432.448 | 168.650 | J7-29 |
| 4943 | 9530190.827 | 357524.726 | 170.279 | J7-30 |
| 4948 | 9530312.388 | 357347.744 | 166.287 | J7-31 |
| 4947 | 9530304.760 | 357442.019 | 168.107 | J7-32 |
| 4946 | 9530296.727 | 357534.182 | 168.915 | J7-33 |

| CADERNETA DE CAMPO – JAZIDA 8 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 3958 | 9529873.692 | 353669.214 | 192.418 | J8-01 |
| 3931 | 9529818.374 | 353754.569 | 195.382 | J8-02 |
| 3957 | 9529765.268 | 353837.676 | 195.858 | J8-03 |
| 3956 | 9529713.342 | 353917.919 | 183.483 | J8-04 |
| 3955 | 9529657.763 | 354004.551 | 175.033 | J8-05 |
| 3950 | 9529787.242 | 353618.141 | 194.217 | J8-06 |
| 3951 | 9529732.986 | 353706.100 | 188.129 | J8-07 |
| 3952 | 9529679.609 | 353793.575 | 182.983 | J8-08 |
| 3953 | 9529628.043 | 353881.413 | 180.769 | J8-09 |
| 3954 | 9529577.172 | 353967.403 | 178.007 | J8-10 |
| 3949 | 9529703.940 | 353572.761 | 192.698 | J8-11 |
| 3948 | 9529653.943 | 353651.842 | 188.697 | J8-12 |
| 3959 | 9529602.984 | 353733.997 | 185.775 | J8-13 |
| 3960 | 9529552.828 | 353809.435 | 173.926 | J8-14 |
| 3961 | 9529503.084 | 353884.388 | 171.046 | J8-15 |
| 3966 | 9529621.674 | 353513.791 | 200.741 | J8-16 |
| 3965 | 9529568.513 | 353601.595 | 197.621 | J8-17 |
| 3964 | 9529518.691 | 353684.944 | 190.587 | J8-18 |
| 3963 | 9529467.569 | 353763.894 | 175.758 | J8-19 |
| 3962 | 9529417.894 | 353855.139 | 167.794 | J8-20 |
| 4007 | 9529536.862 | 353463.112 | 205.615 | J8-21 |
| 4008 | 9529482.941 | 353544.138 | 202.745 | J8-22 |
| 4009 | 9529434.476 | 353615.656 | 181.905 | J8-23 |
| 4010 | 9529378.316 | 353694.640 | 171.572 | J8-24 |
| 4011 | 9529316.322 | 353779.347 | 167.557 | J8-25 |
| 4006 | 9529451.332 | 353409.445 | 197.621 | J8-26 |
| 4005 | 9529405.737 | 353493.000 | 189.228 | J8-27 |
| 6384 | 9529331.000 | 353577.000 | 181.639 | J8-28 |
| 4003 | 9529311.258 | 353671.026 | 176.608 | J8-29 |
| 4002 | 9529264.329 | 353760.912 | 171.850 | J8-30 |
| 3997 | 9529365.465 | 353353.687 | 185.583 | J8-31 |
| 3998 | 9529309.102 | 353441.677 | 184.197 | J8-32 |
| 3999 | 9529255.427 | 353528.310 | 188.957 | J8-33 |
| 4000 | 9529201.371 | 353615.191 | 186.547 | J8-34 |
| 4001 | 9529149.701 | 353700.696 | 184.118 | J8-35 |
| 3996 | 9529276.378 | 353298.008 | 183.544 | J8-36 |
| 3995 | 9529220.591 | 353385.389 | 179.648 | J8-37 |
| 6383 | 9529156.000 | 353469.000 | 186.279 | J8-38 |
| 3993 | 9529113.361 | 353553.700 | 185.238 | J8-39 |
| 3992 | 9529061.539 | 353637.359 | 183.748 | J8-40 |
| 5078 | 9529188.968 | 353242.179 | 180.796 | J8-41 |
| 5079 | 9529125.841 | 353323.276 | 177.700 | J8-42 |
| 5080 | 9529060.161 | 353405.720 | 181.713 | J8-43 |
| 5081 | 9528996.417 | 353486.131 | 184.076 | J8-44 |
| 5082 | 9528936.467 | 353563.627 | 180.212 | J8-45 |

| CADERNETA DE CAMPO – JAZIDA 14 | | | | |
|---------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5143 | 9529872.677 | 352602.140 | 187.980 | J14-01 |
| 5142 | 9529799.184 | 352667.236 | 189.050 | J14-02 |
| 4693 | 9529713.084 | 352726.307 | 190.260 | J14-03 |
| 4692 | 9529656.569 | 352809.689 | 189.742 | J14-04 |
| 5144 | 9529915.456 | 352622.962 | 189.071 | J14-05 |
| 4689 | 9529841.471 | 352706.856 | 191.444 | J14-06 |
| 4690 | 9529780.422 | 352779.640 | 193.265 | J14-07 |
| 4691 | 9529717.302 | 352855.785 | 190.687 | J14-08 |
| 4688 | 9529977.744 | 352675.551 | 191.972 | J14-09 |
| 4687 | 9529920.255 | 352757.204 | 194.732 | J14-10 |
| 4686 | 9529859.794 | 352842.268 | 195.655 | J14-11 |
| 4685 | 9529802.900 | 352919.438 | 191.004 | J14-12 |
| 4649 | 9530067.853 | 352745.553 | 196.751 | J14-13 |
| 193 | 9530006.262 | 352821.550 | 198.955 | J14-14 |
| 4651 | 9529939.391 | 352905.524 | 195.957 | J14-15 |
| 4684 | 9529887.134 | 352968.720 | 191.825 | J14-16 |
| 4679 | 9530147.036 | 352819.409 | 195.266 | J14-17 |
| 4680 | 9530082.841 | 352895.644 | 197.573 | J14-18 |
| 4681 | 9530019.347 | 352970.657 | 197.787 | J14-19 |
| 4682 | 9529949.994 | 353053.939 | 197.296 | J14-20 |
| 4683 | 9529890.289 | 353124.405 | 196.163 | J14-21 |
| 4678 | 9530239.855 | 352889.352 | 192.265 | J14-22 |
| 4677 | 9530176.429 | 352960.704 | 195.556 | J14-23 |
| 4676 | 9530104.189 | 353041.673 | 198.528 | J14-24 |
| 4675 | 9530037.576 | 353119.169 | 200.252 | J14-25 |
| 4674 | 9529971.657 | 353198.822 | 200.357 | J14-26 |
| 4669 | 9530310.190 | 352952.337 | 189.278 | J14-27 |
| 4670 | 9530243.740 | 353025.727 | 194.220 | J14-28 |
| 4671 | 9530176.339 | 353101.176 | 197.383 | J14-29 |
| 4672 | 9530110.158 | 353177.835 | 200.534 | J14-30 |
| 4673 | 9530045.383 | 353253.634 | 202.416 | J14-31 |
| 4668 | 9530384.459 | 353015.942 | 185.854 | J14-32 |
| 4667 | 9530326.797 | 353082.384 | 191.733 | J14-33 |
| 4666 | 9530253.387 | 353166.905 | 196.064 | J14-34 |
| 4665 | 9530189.869 | 353243.010 | 199.775 | J14-35 |
| 4664 | 9530121.425 | 353324.652 | 202.463 | J14-36 |
| 4659 | 9530456.109 | 353082.798 | 186.379 | J14-37 |
| 4660 | 9530394.382 | 353155.485 | 191.342 | J14-38 |
| 4661 | 9530329.339 | 353230.594 | 194.738 | J14-39 |
| 4662 | 9530269.461 | 353301.783 | 198.180 | J14-40 |
| 4663 | 9530194.065 | 353389.608 | 201.143 | J14-41 |
| 4658 | 9530474.025 | 353222.629 | 189.044 | J14-42 |
| 4657 | 9530408.860 | 353298.509 | 192.327 | J14-43 |
| 4656 | 9530344.634 | 353374.809 | 196.383 | J14-44 |
| 4655 | 9530278.841 | 353452.036 | 200.420 | J14-45 |
| 4652 | 9530487.609 | 353366.501 | 191.558 | J14-46 |
| 4653 | 9530421.590 | 353444.165 | 195.246 | J14-47 |
| 4654 | 9530334.436 | 353546.302 | 198.640 | J14-48 |

| CADERNETA DE CAMPO – JAZIDA 15 A | | | | |
|----------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4741 | 9529279.199 | 352384.664 | 186.537 | J15A-01 |
| 4733 | 9529292.679 | 352510.995 | 182.314 | J15A-05 |
| 4734 | 9529225.060 | 352430.245 | 186.050 | J15A-06 |
| 4732 | 9529271.605 | 352653.022 | 183.624 | J15A-10 |
| 4731 | 9529209.398 | 352573.270 | 186.734 | J15A-11 |
| 4730 | 9529144.770 | 352494.125 | 189.699 | J15A-12 |
| 4721 | 9529192.187 | 352714.254 | 187.091 | J15A-16 |
| 4722 | 9529129.890 | 352633.377 | 192.891 | J15A-17 |
| 4723 | 9529068.271 | 352555.500 | 197.763 | J15A-18 |
| 4720 | 9529111.984 | 352768.611 | 188.192 | J15A-22 |
| 4719 | 9529051.610 | 352693.008 | 194.729 | J15A-23 |
| 4718 | 9528991.774 | 352618.186 | 194.327 | J15A-24 |
| 4711 | 9529041.359 | 352831.753 | 183.351 | J15A-28 |
| 4712 | 9528977.554 | 352756.289 | 184.073 | J15A-29 |
| 4713 | 9528913.410 | 352680.164 | 192.833 | J15A-30 |
| 4709 | 9528966.364 | 352893.918 | 178.210 | J15A-34 |
| 4710 | 9528899.658 | 352817.856 | 183.759 | J15A-35 |
| 4697 | 9528835.421 | 352743.025 | 187.532 | J15A-36 |
| 4708 | 9528881.574 | 352961.579 | 178.121 | J15A-40 |
| 4707 | 9528815.599 | 352877.986 | 179.241 | J15A-41 |
| 4706 | 9528759.254 | 352804.754 | 183.208 | J15A-42 |
| 4700 | 9528804.825 | 353020.824 | 172.428 | J15A-46 |
| 4699 | 9528740.573 | 352939.361 | 176.899 | J15A-47 |
| 4698 | 9528683.071 | 352867.722 | 180.392 | J15A-48 |

| CADERNETA DE CAMPO – JAZIDA 15 B | | | | |
|---|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4740 | 9529220.417 | 352299.876 | 196.031 | J15B-02 |
| 4739 | 9529156.054 | 352223.682 | 206.279 | J15B-03 |
| 4738 | 9529090.574 | 352143.615 | 209.240 | J15B-04 |
| 4735 | 9529166.456 | 352345.671 | 191.980 | J15B-07 |
| 4736 | 9529111.772 | 352266.820 | 201.720 | J15B-08 |
| 4737 | 9529048.341 | 352176.099 | 207.908 | J15B-09 |
| 4729 | 9529081.918 | 352413.338 | 193.470 | J15B-13 |
| 4728 | 9529016.178 | 352333.826 | 197.307 | J15B-14 |
| 4727 | 9528947.486 | 352243.819 | 197.957 | J15B-15 |
| 4724 | 9529008.057 | 352479.366 | 194.717 | J15B-19 |
| 4725 | 9528942.711 | 352398.502 | 191.993 | J15B-20 |
| 4726 | 9528880.795 | 352323.554 | 192.739 | J15B-21 |
| 4846 | 9528926.944 | 352537.886 | 190.825 | J15B-25 |
| 4717 | 9528862.832 | 352459.742 | 189.315 | J15B-26 |
| 4716 | 9528791.197 | 352380.820 | 186.896 | J15B-27 |
| 4845 | 9528855.017 | 352610.409 | 189.003 | J15B-31 |
| 4714 | 9528780.826 | 352530.431 | 185.174 | J15B-32 |
| 4715 | 9528718.448 | 352461.696 | 183.391 | J15B-33 |
| 4696 | 9528779.113 | 352673.396 | 183.600 | J15B-37 |
| 4695 | 9528710.861 | 352588.481 | 180.800 | J15B-38 |
| 694 | 9528647.924 | 352510.418 | 181.750 | J15B-39 |
| 4705 | 9528697.685 | 352737.496 | 183.493 | J15B-43 |
| 4704 | 9528625.288 | 352656.398 | 178.768 | J15B-44 |
| 4703 | 9528558.054 | 352583.976 | 181.557 | J15B-45 |

| CADERNETA DE CAMPO – JAZIDA 16 | | | | |
|--------------------------------|-------------|------------|---------|-----------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5091 | 9527602.766 | 354618.633 | 160.725 | J16-01 |
| 5092 | 9527588.398 | 354517.286 | 172.982 | J16-02 |
| 5093 | 9527575.535 | 354424.408 | 173.857 | J16-03 |
| 5094 | 9527559.820 | 354321.553 | 180.477 | J16-04 |
| 5095 | 9527546.316 | 354218.807 | 187.172 | J16-05 |
| 4762 | 9527513.795 | 354618.487 | 160.192 | J16-06 |
| 4763 | 9527508.393 | 354501.497 | 166.682 | J16-07 |
| 4764 | 9527512.278 | 354401.360 | 168.407 | J16-08 |
| 4765 | 9527495.961 | 354296.902 | 177.242 | J16-09 |
| 4766 | 9527447.543 | 354200.869 | 193.700 | J16-10 |
| 4771 | 9527415.411 | 354626.841 | 163.290 | J16-11 |
| 4770 | 9527393.491 | 354528.197 | 171.556 | J16-12 |
| 4769 | 9527372.815 | 354434.538 | 175.258 | J16-13 |
| 4768 | 9527395.593 | 354313.288 | 182.793 | J16-14 |
| 4767 | 9527339.719 | 354225.427 | 201.113 | J16-15 |
| 4772 | 9527313.810 | 354627.619 | 163.221 | J16-16 |
| 4773 | 9527307.333 | 354518.899 | 171.955 | J16-17 |
| 4774 | 9527302.049 | 354425.142 | 174.124 | J16-18 |
| 4775 | 9527293.882 | 354324.601 | 184.519 | J16-19 |
| 4776 | 9527289.257 | 354238.892 | 198.318 | J16-20 |
| 4781 | 9527211.159 | 354629.389 | 161.664 | J16-21 |
| 4780 | 9527210.008 | 354526.457 | 166.209 | J16-22 |
| 4779 | 9527209.117 | 354422.887 | 173.762 | J16-23 |
| 4778 | 9527206.092 | 354324.807 | 183.334 | J16-24 |
| 4777 | 9527201.898 | 354226.773 | 187.716 | J16-25 |
| 4782 | 9527103.972 | 354630.888 | 167.170 | J16-26 |
| 4783 | 9527105.799 | 354535.405 | 168.481 | J16-27 |
| 4784 | 9527106.117 | 354426.839 | 174.491 | J16-28 |
| 4785 | 9527105.660 | 354328.020 | 179.934 | J16-29 |
| 4786 | 9527099.553 | 354231.454 | 176.756 | J16-30 |
| 5096 | 9527017.515 | 354632.354 | 161.431 | J16-31 |
| 6392 | 9527016.008 | 354532.470 | 169.242 | J16-32 |
| 5097 | 9527014.688 | 354429.115 | 176.337 | J16-33 |
| 4788 | 9527015.997 | 354328.026 | 171.396 | J16-34 |
| 4787 | 9527017.148 | 354216.721 | 172.533 | J16-35 |

| CADERNETA DE CAMPO – JAZIDA 17 | | | | |
|---------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4795 | 9526504.658 | 353531.178 | 171.807 | J17-01 |
| 4794 | 9526585.478 | 353585.525 | 176.780 | J17-02 |
| 4793 | 9526671.234 | 353644.629 | 176.289 | J17-03 |
| 4792 | 9526757.224 | 353704.751 | 177.976 | J17-04 |
| 4791 | 9526844.217 | 353763.045 | 177.123 | J17-05 |
| 4790 | 9526930.094 | 353821.634 | 178.215 | J17-06 |
| 4789 | 9527015.256 | 353879.114 | 180.356 | J17-07 |
| 4796 | 9526581.782 | 353425.745 | 182.997 | J17-08 |
| 4797 | 9526659.089 | 353491.271 | 183.199 | J17-09 |
| 4798 | 9526735.960 | 353556.719 | 180.987 | J17-10 |
| 4799 | 9526813.646 | 353621.523 | 181.357 | J17-11 |
| 4800 | 9526894.155 | 353687.733 | 180.838 | J17-12 |
| 4801 | 9526984.485 | 353762.622 | 180.856 | J17-13 |
| 4802 | 9527059.356 | 353825.736 | 182.161 | J17-14 |
| 4809 | 9526631.471 | 353369.476 | 186.341 | J17-15 |
| 4808 | 9526712.786 | 353427.557 | 189.400 | J17-16 |
| 4807 | 9526790.028 | 353482.795 | 184.531 | J17-17 |
| 4806 | 9526873.331 | 353543.979 | 185.987 | J17-18 |
| 4805 | 9526957.123 | 353603.889 | 186.103 | J17-19 |
| 4804 | 9527033.711 | 353659.535 | 185.923 | J17-20 |
| 4803 | 9527115.047 | 353718.218 | 184.967 | J17-21 |
| 5100 | 9526651.948 | 353346.996 | 187.296 | J17-22 |
| 4810 | 9526734.970 | 353376.721 | 195.545 | J17-23 |
| 4811 | 9526851.514 | 353420.234 | 190.131 | J17-24 |
| 4812 | 9526931.542 | 353461.404 | 189.531 | J17-25 |
| 4813 | 9527011.053 | 353521.458 | 189.085 | J17-26 |
| 4814 | 9527092.106 | 353577.096 | 187.216 | J17-27 |
| 4815 | 9527177.546 | 353638.570 | 183.155 | J17-28 |
| 4821 | 9526756.372 | 353185.457 | 201.137 | J17-29 |
| 4820 | 9526839.310 | 353242.284 | 195.973 | J17-30 |
| 4819 | 9526914.641 | 353297.990 | 191.667 | J17-31 |
| 5099 | 9527002.304 | 353360.557 | 184.471 | J17-32 |
| 4816 | 9527085.946 | 353419.186 | 183.864 | J17-33 |
| 4817 | 9527163.219 | 353475.997 | 184.147 | J17-34 |
| 4818 | 9527249.691 | 353539.904 | 186.111 | J17-35 |
| 4822 | 9526813.658 | 353110.183 | 199.277 | J17-36 |
| 4823 | 9526894.007 | 353161.836 | 191.749 | J17-37 |
| 4824 | 9526980.502 | 353218.044 | 185.183 | J17-38 |
| 4825 | 9527061.542 | 353274.830 | 188.544 | J17-39 |
| 4826 | 9527151.835 | 353336.310 | 192.739 | J17-40 |
| 4827 | 9527229.285 | 353387.462 | 192.251 | J17-41 |
| 4828 | 9527314.904 | 353443.124 | 190.978 | J17-42 |
| 5098 | 9526718.218 | 353751.618 | 177.425 | BASE |

| CADERNETA DE CAMPO – JAZIDA 18 | | | | |
|---------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5040 | 9526049.147 | 352915.608 | 182.971 | J18-01 |
| 5041 | 9525953.412 | 352951.180 | 177.351 | J18-02 |
| 5042 | 9525861.039 | 352984.974 | 178.714 | J18-03 |
| 5043 | 9525757.820 | 353004.814 | 171.936 | J18-04 |
| 5044 | 9525660.162 | 353059.440 | 169.272 | J18-05 |
| 5045 | 9525576.044 | 353084.424 | 172.759 | J18-06 |
| 5046 | 9525491.580 | 353113.333 | 164.628 | J18-07 |
| 5039 | 9526078.951 | 353018.160 | 185.797 | J18-08 |
| 5038 | 9525981.601 | 353053.051 | 185.873 | J18-09 |
| 5037 | 9525884.411 | 353086.045 | 181.445 | J18-10 |
| 5036 | 9525795.222 | 353117.009 | 173.980 | J18-11 |
| 5035 | 9525748.778 | 353129.775 | 175.682 | J18-12 |
| 5034 | 9525647.393 | 353168.138 | 174.751 | J18-13 |
| 5033 | 9525520.459 | 353214.542 | 170.260 | J18-14 |
| 5103 | 9526111.910 | 353116.113 | 178.789 | J18-15 |
| 5102 | 9526019.942 | 353148.732 | 181.191 | J18-16 |
| 5029 | 9525920.179 | 353182.973 | 182.767 | J18-17 |
| 5030 | 9525829.346 | 353213.073 | 180.149 | J18-18 |
| 6388 | 9525731.389 | 353246.019 | 177.521 | J18-19 |
| 5031 | 9525634.010 | 353280.122 | 174.914 | J18-20 |
| 5032 | 9525557.161 | 353306.402 | 170.216 | J18-21 |
| 5104 | 9526146.519 | 353216.801 | 173.053 | J18-22 |
| 5105 | 9526052.807 | 353249.262 | 180.171 | J18-23 |
| 5028 | 9525956.915 | 353281.252 | 181.709 | J18-24 |
| 5027 | 9525861.726 | 353312.929 | 181.398 | J18-25 |
| 5026 | 9525764.197 | 353344.624 | 180.854 | J18-26 |
| 5025 | 9525670.526 | 353375.954 | 175.395 | J18-27 |
| 5024 | 9525580.042 | 353406.063 | 174.001 | J18-28 |
| 4841 | 9526166.462 | 353318.515 | 171.243 | J18-29 |
| 4842 | 9526078.597 | 353349.370 | 178.884 | J18-30 |
| 4843 | 9525988.013 | 353378.647 | 174.609 | J18-31 |
| 4844 | 9525894.316 | 353409.488 | 176.636 | J18-32 |
| 6389 | 9525792.214 | 353443.725 | 176.541 | J18-33 |
| 5022 | 9525709.029 | 353470.495 | 176.498 | J18-34 |
| 5023 | 9525615.094 | 353501.116 | 172.507 | J18-35 |
| 4840 | 9526213.283 | 353397.272 | 170.150 | J18-36 |
| 4839 | 9526114.209 | 353446.473 | 170.675 | J18-37 |
| 4838 | 9526019.135 | 353477.198 | 173.437 | J18-38 |
| 4837 | 9525929.657 | 353505.613 | 173.249 | J18-39 |
| 4836 | 9525841.633 | 353535.071 | 173.307 | J18-40 |
| 4835 | 9525740.346 | 353567.812 | 174.003 | J18-41 |
| 4834 | 9525645.893 | 353600.575 | 166.131 | J18-42 |
| 5101 | 9526236.230 | 353512.761 | 168.332 | J18-43 |
| 6390 | 9526141.698 | 353546.465 | 169.503 | J18-44 |
| 4829 | 9526057.391 | 353573.426 | 170.434 | J18-45 |
| 4830 | 9525958.248 | 353604.459 | 169.267 | J18-46 |
| 4831 | 9525848.690 | 353640.989 | 170.493 | J18-47 |
| 4832 | 9525751.625 | 353675.304 | 169.645 | J18-48 |
| 4833 | 9525685.445 | 353694.166 | 165.221 | J18-49 |

| CADERNETA DE CAMPO – JAZIDA 19 | | | | |
|---------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5016 | 9525496.174 | 353345.814 | 164.072 | J19-01 |
| 5017 | 9525428.505 | 353281.436 | 164.430 | J19-02 |
| 5018 | 9525350.398 | 353210.894 | 169.774 | J19-03 |
| 6391 | 9525278.210 | 353145.949 | 168.038 | J19-04 |
| 5019 | 9525209.494 | 353082.993 | 166.299 | J19-05 |
| 5020 | 9525130.492 | 353011.532 | 170.228 | J19-06 |
| 5021 | 9525061.137 | 352948.287 | 171.627 | J19-07 |
| 5015 | 9525426.544 | 353416.764 | 163.334 | J19-08 |
| 5014 | 9525357.846 | 353350.387 | 166.995 | J19-09 |
| 5013 | 9525280.877 | 353282.282 | 173.669 | J19-10 |
| 6385 | 9525211.722 | 353219.635 | 176.617 | J19-11 |
| 5012 | 9525130.480 | 353147.039 | 175.540 | J19-12 |
| 5011 | 9525059.716 | 353083.833 | 171.183 | J19-13 |
| 5010 | 9524988.244 | 353017.795 | 175.891 | J19-14 |
| 5004 | 9525362.821 | 353480.947 | 172.616 | J19-15 |
| 6386 | 9525295.530 | 353419.039 | 172.266 | J19-16 |
| 5005 | 9525229.587 | 353360.955 | 172.037 | J19-17 |
| 5006 | 9525148.637 | 353289.133 | 179.339 | J19-18 |
| 5007 | 9525068.970 | 353221.435 | 178.619 | J19-19 |
| 5008 | 9525004.565 | 353165.282 | 178.026 | J19-20 |
| 5009 | 9524931.623 | 353102.948 | 178.448 | J19-21 |
| 5003 | 9525298.862 | 353556.631 | 169.297 | J19-22 |
| 5002 | 9525230.639 | 353498.930 | 177.530 | J19-23 |
| 5001 | 9525149.990 | 353429.947 | 177.955 | J19-24 |
| 5000 | 9525076.070 | 353366.148 | 180.023 | J19-25 |
| 6387 | 9525013.395 | 353310.144 | 180.853 | J19-26 |
| 4999 | 9524932.988 | 353231.987 | 182.117 | J19-27 |
| 4998 | 9524858.007 | 353172.540 | 186.798 | J19-28 |
| 4991 | 9525230.791 | 353640.606 | 167.454 | J19-29 |
| 4992 | 9525147.649 | 353564.999 | 172.162 | J19-30 |
| 4993 | 9525080.647 | 353506.099 | 176.244 | J19-31 |
| 4994 | 9525009.473 | 353442.148 | 180.866 | J19-32 |
| 4995 | 9524931.397 | 353374.396 | 177.593 | J19-33 |
| 4996 | 9524860.079 | 353313.478 | 181.850 | J19-34 |
| 4997 | 9524780.952 | 353246.732 | 187.908 | J19-35 |
| 4990 | 9525164.072 | 353716.836 | 172.692 | J19-36 |
| 4989 | 9525087.576 | 353643.098 | 172.943 | J19-37 |
| 4988 | 9525014.854 | 353583.037 | 174.833 | J19-38 |
| 4987 | 9524939.355 | 353517.448 | 176.578 | J19-39 |
| 4986 | 9524868.895 | 353455.532 | 173.660 | J19-40 |
| 4985 | 9524786.243 | 353384.569 | 177.607 | J19-41 |
| 4984 | 9524716.309 | 353320.299 | 182.104 | J19-42 |
| 4977 | 9525089.699 | 353789.915 | 176.202 | J19-43 |
| 4978 | 9525019.074 | 353725.581 | 173.440 | J19-44 |
| 4979 | 9524949.548 | 353664.689 | 175.240 | J19-45 |
| 4980 | 9524870.382 | 353596.763 | 173.508 | J19-46 |
| 4981 | 9524797.606 | 353531.965 | 169.744 | J19-47 |
| 4982 | 9524724.475 | 353464.771 | 172.476 | J19-48 |

| CADERNETA DE CAMPO – JAZIDA 19 | | | | |
|---------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 4983 | 9524653.821 | 353411.661 | 178.034 | J19-49 |
| 6393 | 9525042.000 | 353863.000 | 174.044 | J19-50 |
| 6394 | 9524961.000 | 353799.000 | 171.763 | J19-51 |
| 6395 | 9524882.453 | 353731.236 | 170.964 | J19-52 |
| 6399 | 9524801.606 | 353676.190 | 170.930 | J19-53 |
| 6398 | 9524734.951 | 353602.089 | 170.908 | J19-54 |
| 6396 | 9524648.624 | 353541.001 | 172.502 | J19-55 |
| 6397 | 9524569.190 | 353474.438 | 176.358 | J19-56 |

| CADERNETA DE CAMPO – PEDREIRA 1 | | | | |
|--|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 17 | 9529318.627 | 354997.193 | 157.252 | PEDREIRA 1 |
| 18 | 9529318.585 | 354983.157 | 159.176 | PEDREIRA 1 |
| 5048 | 9529316.228 | 354943.872 | 161.164 | PEDREIRA 1 |
| 5049 | 9529295.995 | 354926.541 | 162.977 | PEDREIRA 1 |
| 5050 | 9529284.467 | 354941.605 | 162.724 | PEDREIRA 1 |
| 5051 | 9529265.373 | 354958.762 | 160.207 | PEDREIRA 1 |
| 5052 | 9529257.164 | 354965.961 | 158.828 | PEDREIRA 1 |
| 5053 | 9529247.172 | 354962.620 | 158.841 | PEDREIRA 1 |
| 5054 | 9529235.870 | 354950.573 | 158.186 | PEDREIRA 1 |
| 5055 | 9529222.631 | 354956.913 | 156.485 | PEDREIRA 1 |
| 5056 | 9529222.522 | 354967.937 | 155.342 | PEDREIRA 1 |
| 5057 | 9529237.560 | 354974.856 | 156.450 | PEDREIRA 1 |
| 5058 | 9529252.893 | 354977.183 | 156.239 | PEDREIRA 1 |
| 5059 | 9529262.207 | 354979.183 | 156.958 | PEDREIRA 1 |
| 5060 | 9529267.369 | 354992.803 | 155.229 | PEDREIRA 1 |
| 5061 | 9529292.405 | 355008.096 | 154.610 | PEDREIRA 1 |
| 5062 | 9529311.242 | 355006.969 | 155.734 | PEDREIRA 1 |
| 5063 | 9529325.293 | 354963.225 | 159.886 | PEDREIRA 1 |

| CADERNETA DE CAMPO – PEDREIRA 2 | | | | |
|--|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 5121 | 9528514.753 | 356746.728 | 183.600 | PEDREIRA 2 |
| 5122 | 9528486.911 | 356735.453 | 184.340 | PEDREIRA 2 |
| 5123 | 9528455.016 | 356711.863 | 183.947 | PEDREIRA 2 |
| 5124 | 9528442.474 | 356700.523 | 183.267 | PEDREIRA 2 |
| 5125 | 9528420.945 | 356693.653 | 183.370 | PEDREIRA 2 |
| 5126 | 9528399.561 | 356671.250 | 182.070 | PEDREIRA 2 |
| 5127 | 9528372.449 | 356678.375 | 181.568 | PEDREIRA 2 |
| 5128 | 9528373.658 | 356694.535 | 182.356 | PEDREIRA 2 |
| 5129 | 9528396.133 | 356714.797 | 185.266 | PEDREIRA 2 |
| 5130 | 9528404.565 | 356742.968 | 185.665 | PEDREIRA 2 |
| 5131 | 9528411.888 | 356762.269 | 185.711 | PEDREIRA 2 |
| 5132 | 9528449.774 | 356744.286 | 186.325 | PEDREIRA 2 |
| 5133 | 9528472.911 | 356752.545 | 185.272 | PEDREIRA 2 |
| 5134 | 9528498.047 | 356769.054 | 184.240 | PEDREIRA 2 |
| 5135 | 9528520.311 | 356782.366 | 182.816 | PEDREIRA 2 |
| 5136 | 9528534.243 | 356793.072 | 182.101 | PEDREIRA 2 |
| 5137 | 9528543.187 | 356777.626 | 182.129 | PEDREIRA 2 |

| CADERNETA DE CAMPO – JAZIDA 3 | | | | |
|--------------------------------------|--------------------|------------|-------------|------------------|
| PONTO | COORDENADAS | | COTA | DESCRIÇÃO |
| | Y | X | | |
| 20 | 9529996.412 | 353825.443 | 181.933 | PEDREIRA 3 |
| 5064 | 9530015.171 | 353852.152 | 182.456 | PEDREIRA 3 |
| 5065 | 9530030.485 | 353873.299 | 182.537 | PEDREIRA 3 |
| 5066 | 9530055.495 | 353903.158 | 184.829 | PEDREIRA 3 |
| 5067 | 9530068.813 | 353912.817 | 184.609 | PEDREIRA 3 |
| 5068 | 9530110.670 | 353902.910 | 184.746 | PEDREIRA 3 |
| 5069 | 9530165.062 | 353820.352 | 189.018 | PEDREIRA 3 |
| 5070 | 9530148.354 | 353744.950 | 193.459 | PEDREIRA 3 |
| 5071 | 9530166.800 | 353740.347 | 194.029 | PEDREIRA 3 |
| 5072 | 9530183.132 | 353706.090 | 194.385 | PEDREIRA 3 |
| 5073 | 9530138.307 | 353657.547 | 195.782 | PEDREIRA 3 |
| 5074 | 9530090.426 | 353688.215 | 194.850 | PEDREIRA 3 |
| 5075 | 9530072.032 | 353727.500 | 192.214 | PEDREIRA 3 |
| 5076 | 9530062.800 | 353769.096 | 188.990 | PEDREIRA 3 |
| 5077 | 9530014.387 | 353768.096 | 185.015 | PEDREIRA 3 |

CADERNETA DE CAMPO DE NIVELAMENTO E CONTRA NIVELAMENTO

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|-------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| IBGE | RN | | | | 205,667 | |
| | # | 3,022 | | 208,689 | | |
| | AUX | | 2,997 | | 205,692 | |
| | # | 0,151 | | 205,843 | | |
| | AUX | | 3,502 | | 202,341 | |
| | # | 0,679 | | 203,020 | | |
| | AUX | | 1,792 | | 201,228 | |
| | # | 1,401 | | 202,629 | | |
| | AUX | | 1,460 | | 201,169 | |
| | # | 2,115 | | 203,284 | | |
| | AUX | | 0,073 | | 203,211 | |
| | # | 3,623 | | 206,834 | | |
| | AUX | | 0,310 | | 206,524 | |
| | # | 2,272 | | 208,796 | | |
| | AUX | | 3,292 | | 205,504 | |
| | # | 0,348 | | 205,852 | | |
| | R-01 | | 1,787 | | 204,065 | 943,97m |
| | AUX | | 3,398 | | 202,454 | |
| | # | 0,368 | | 202,822 | | |
| | AUX | | 2,418 | | 200,404 | |
| | # | 0,775 | | 201,179 | | |
| | AUX | | 2,611 | | 198,568 | |
| | # | 0,379 | | 198,947 | | |
| | AUX | | 3,510 | | 195,437 | |
| | # | 0,063 | | 195,500 | | |
| | AUX | | 3,319 | | 192,181 | |
| | # | 1,282 | | 193,463 | | |
| | R-02 | | 1,489 | | 191,974 | 1.482,46m |
| | # | 1,490 | | 193,464 | | |
| | AUX | | 1,447 | | 192,017 | |
| | # | 1,600 | | 193,617 | | |
| | AUX | | 0,872 | | 192,745 | |
| | # | 2,123 | | 194,868 | | |
| | AUX | | 0,485 | | 194,383 | |
| | # | 2,115 | | 196,498 | | |
| | AUX | | 0,720 | | 195,778 | |
| | # | 2,150 | | 197,928 | | |
| | AUX | | 0,908 | | 197,020 | |
| | # | 2,095 | | 199,115 | | |
| | AUX | | 0,767 | | 198,348 | |
| | # | 3,542 | | 201,890 | | |
| | AUX | | 0,155 | | 201,735 | |
| | # | 3,885 | | 205,620 | | |
| | AUX | | 0,061 | | 205,559 | |
| | # | 2,370 | | 207,929 | | |
| | AUX | | 0,455 | | 207,474 | |
| | # | 3,245 | | 210,719 | | |
| | AUX | | 0,468 | | 210,251 | |
| | # | 3,385 | | 213,636 | | |
| | AUX | | 0,565 | | 213,071 | |
| | # | 2,421 | | 215,492 | | |
| | AUX | | 2,702 | | 212,790 | |
| | # | 0,138 | | 212,928 | | |
| | AUX | | 2,863 | | 210,065 | |
| | # | 1,410 | | 211,475 | | |
| | AUX | | 1,277 | | 210,198 | |
| | # | 0,552 | | 210,750 | | |
| | AUX | | 2,393 | | 208,357 | |
| | # | 0,730 | | 209,087 | | |
| | AUX | | 2,690 | | 206,397 | |
| | # | 0,452 | | 206,849 | | |
| | AUX | | 3,298 | | 203,551 | |
| | # | 0,369 | | 203,920 | | |
| | AUX | | 3,643 | | 200,277 | |
| | # | 0,175 | | 200,452 | | |
| | AUX | | 0,783 | | 199,669 | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|-------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | # | 3,417 | | 203,086 | | |
| | AUX | | 0,167 | | 202,919 | |
| | # | 3,279 | | 206,198 | | |
| | AUX | | 0,592 | | 205,606 | |
| | # | 2,345 | | 207,951 | | |
| | R-3 | | 1,284 | | 206,667 | |
| | AUX | | 2,473 | | 205,478 | |
| | # | 0,439 | | 205,917 | | |
| | AUX | | 0,936 | | 204,981 | |
| | # | 3,320 | | 208,301 | | |
| | AUX | | 0,505 | | 207,796 | |
| | # | 3,434 | | 211,230 | | |
| | AUX | | 0,557 | | 210,673 | |
| | # | 3,161 | | 213,834 | | |
| | AUX | | 0,771 | | 213,063 | |
| | # | 0,435 | | 213,498 | | |
| | AUX | | 2,874 | | 210,624 | |
| | # | 0,331 | | 210,955 | | |
| | AUX | | 3,330 | | 207,625 | |
| | # | 0,184 | | 207,809 | | |
| | AUX | | 2,148 | | 205,661 | |
| | # | 1,261 | | 206,922 | | |
| | AUX | | 0,559 | | 206,363 | |
| | # | 3,092 | | 209,455 | | |
| FAZ.LAGOA | R-4 | | 3,468 | | 205,987 | 4.373,17m |
| | AUX | | 0,198 | | 209,257 | |
| | # | 3,820 | | 213,077 | | |
| | AUX | | 0,680 | | 212,397 | |
| | # | 3,875 | | 216,272 | | |
| | AUX | | 0,767 | | 215,505 | |
| | # | 3,360 | | 218,865 | | |
| | AUX | | 0,747 | | 218,118 | |
| | # | 0,492 | | 218,610 | | |
| | R-5 | | 3,564 | | 215,046 | 4.778,52m |
| | AUX | | 3,518 | | 215,092 | |
| | # | 0,343 | | 215,435 | | |
| | AUX | | 3,482 | | 211,953 | |
| | # | 0,300 | | 212,253 | | |
| | AUX | | 3,147 | | 209,106 | |
| | # | 0,306 | | 209,412 | | |
| | AUX | | 3,159 | | 206,253 | |
| | # | 1,114 | | 207,367 | | |
| | AUX | | 1,679 | | 205,688 | |
| | # | 1,098 | | 206,786 | | |
| | AUX | | 0,158 | | 206,628 | |
| | # | 3,399 | | 210,027 | | |
| | AUX | | 0,305 | | 209,722 | |
| | # | 2,898 | | 212,620 | | |
| | AUX | | 2,031 | | 210,589 | |
| | # | 0,938 | | 211,527 | | |
| | AUX | | 0,320 | | 211,207 | |
| | # | 1,775 | | 212,982 | | |
| TUMULO | R-6 | | 1,419 | | 211,563 | 5.747,08m |
| | AUX | | 1,770 | | 211,212 | |
| | # | 1,245 | | 212,457 | | |
| TUMULO | R-7 | | 1,690 | | 210,767 | 5.993,65m |
| | AUX | | 1,551 | | 210,906 | |
| | # | 2,035 | | 212,941 | | |
| | AUX | | 0,830 | | 212,111 | |
| | # | 2,220 | | 214,331 | | |
| | AUX | | 0,883 | | 213,448 | |
| | # | 1,551 | | 214,999 | | |
| | AUX | | 0,106 | | 214,893 | |
| | # | 3,098 | | 217,991 | | |
| RN | R-8 | | 1,249 | | 216,742 | |
| | # | 2,890 | | 219,632 | | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|-------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | AUX | | 0,117 | | 219,515 | |
| | # | 0,398 | | 219,913 | | |
| | AUX | | 3,202 | | 216,711 | |
| | # | 0,410 | | 217,121 | | |
| | AUX | | 2,630 | | 214,491 | |
| | # | 0,630 | | 215,121 | | |
| | AUX | | 3,495 | | 211,626 | |
| | # | 0,098 | | 211,724 | | |
| RN | R-9 | | 1,782 | | 209,942 | 7.316,04m |
| | AUX | | 2,971 | | 208,753 | |
| | # | 1,557 | | 210,310 | | |
| | AUX | | 0,445 | | 209,865 | |
| | # | 3,549 | | 213,414 | | |
| | AUX | | 0,339 | | 213,075 | |
| | # | 3,498 | | 216,573 | | |
| | AUX | | 0,173 | | 216,400 | |
| | # | 3,488 | | 219,888 | | |
| | AUX | | 0,186 | | 219,702 | |
| | # | 3,050 | | 222,752 | | |
| | AUX | | 1,997 | | 220,755 | |
| | # | 0,123 | | 220,878 | | |
| | AUX | | 2,908 | | 217,970 | |
| | # | 0,667 | | 218,637 | | |
| | AUX | | 3,312 | | 215,325 | |
| | # | 0,895 | | 216,220 | | |
| | AUX | | 0,415 | | 215,805 | |
| | # | 3,285 | | 219,090 | | |
| | AUX | | 0,579 | | 218,511 | |
| | # | 2,025 | | 220,536 | | |
| | AUX | | 0,744 | | 219,792 | |
| | # | 1,510 | | 221,302 | | |
| | AUX | | 1,485 | | 219,817 | |
| | # | 1,553 | | 221,370 | | |
| | RN-10 | | 2,078 | | 219,292 | 8.915,98m |
| | AUX | | 2,893 | | 218,477 | |
| | # | 0,033 | | 218,510 | | |
| | AUX | | 1,855 | | 216,655 | |
| | # | 1,068 | | 217,723 | | |
| | RN-11 | | 1,422 | | 216,301 | 9.261,62m |
| | AUX | | 1,691 | | 216,032 | |
| | # | 0,707 | | 216,739 | | |
| | AUX | | 3,257 | | 213,482 | |
| | # | 0,598 | | 214,080 | | |
| | AUX | | 3,573 | | 210,507 | |
| | # | 0,146 | | 210,653 | | |
| | AUX | | 3,122 | | 207,531 | |
| | # | 0,841 | | 208,372 | | |
| | AUX | | 2,915 | | 205,457 | |
| | # | 0,521 | | 205,978 | | |
| | AUX | | 1,615 | | 204,363 | |
| | # | 0,462 | | 204,825 | | |
| | AUX | | 3,022 | | 201,803 | |
| | # | 0,240 | | 202,043 | | |
| | AUX | | 2,858 | | 199,185 | |
| | # | 1,208 | | 200,393 | | |
| | AUX | | 1,218 | | 199,175 | |
| | # | 2,181 | | 201,356 | | |
| | AUX | | 0,722 | | 200,634 | |
| | # | 2,106 | | 202,740 | | |
| | AUX | | 1,061 | | 201,679 | |
| | # | 0,631 | | 202,310 | | |
| | R-12 | | 1,738 | | 200,572 | 10.593,22m |
| | AUX | | 3,310 | | 199,000 | |
| | # | 0,376 | | 199,376 | | |
| | AUX | | 2,667 | | 196,709 | |
| | # | 0,465 | | 197,174 | | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|-------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | AUX | | 3,961 | | 193,213 | |
| | # | 0,202 | | 193,415 | | |
| | AUX | | 2,066 | | 191,349 | |
| | # | 1,671 | | 193,020 | | |
| | AUX | | 1,797 | | 191,223 | |
| | # | 0,065 | | 191,288 | | |
| | AUX | | 3,920 | | 187,368 | |
| | # | 1,457 | | 188,825 | | |
| | AUX | | 0,263 | | 188,562 | |
| | # | 3,045 | | 191,607 | | |
| | AUX | | 1,075 | | 190,532 | |
| | # | 0,325 | | 190,857 | | |
| | AUX | | 2,965 | | 187,892 | |
| | # | 2,271 | | 190,163 | | |
| | AUX | | 1,595 | | 188,568 | |
| | # | 0,379 | | 188,947 | | |
| | AUX | | 3,572 | | 185,375 | |
| | # | 0,109 | | 185,484 | | |
| | AUX | | 2,894 | | 182,590 | |
| | # | 0,663 | | 183,253 | | |
| | AUX | | 2,825 | | 180,428 | |
| | # | 0,565 | | 180,993 | | |
| | RN-13 | | 1,559 | | 179,434 | 12.215,85m |
| | AUX | | 2,725 | | 178,268 | |
| | # | 0,783 | | 179,051 | | |
| | AUX | | 2,886 | | 176,165 | |
| | # | 0,708 | | 176,873 | | |
| | AUX | | 2,344 | | 174,529 | |
| | # | 0,805 | | 175,334 | | |
| | AUX | | 1,295 | | 174,039 | |
| | # | 2,625 | | 176,664 | | |
| | AUX | | 0,609 | | 176,055 | |
| | # | 2,658 | | 178,713 | | |
| | AUX | | 0,598 | | 178,115 | |
| | # | 2,831 | | 180,946 | | |
| | RN-14 | | 1,082 | | 179,864 | 12.936,88m |
| | # | 0,813 | | 180,677 | | |
| | AUX | | 1,960 | | 178,717 | |
| | # | 0,190 | | 178,907 | | |
| | AUX | | 2,985 | | 175,922 | |
| | # | 0,698 | | 176,620 | | |
| | AUX | | 3,012 | | 173,608 | |
| | # | 0,820 | | 174,428 | | |
| | AUX | | 2,011 | | 172,417 | |
| | # | 1,216 | | 173,633 | | |
| | AUX | | 0,348 | | 173,285 | |
| | # | 3,148 | | 176,433 | | |
| | AUX | | 0,138 | | 176,295 | |
| | # | 1,815 | | 178,110 | | |
| | AUX | | 0,905 | | 177,205 | |
| | # | 2,338 | | 179,543 | | |
| | AUX | | 0,112 | | 179,431 | |
| | # | 1,288 | | 180,719 | | |
| | AUX | | 2,008 | | 178,711 | |
| | # | 0,902 | | 179,613 | | |
| | AUX | | 0,688 | | 178,925 | |
| | # | 3,760 | | 182,685 | | |
| | AUX | | 0,185 | | 182,500 | |
| | # | 3,478 | | 185,978 | | |
| | AUX | | 0,228 | | 185,750 | |
| | # | 2,190 | | 187,940 | | |
| | AUX | | 0,973 | | 186,967 | |
| | # | 1,492 | | 188,459 | | |
| | AUX | | 1,168 | | 187,291 | |
| | # | 1,552 | | 188,843 | | |
| | AUX | | 1,307 | | 187,536 | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|------------------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | # | 1,408 | | 188,944 | | |
| | MARCO DE APOIO | | 1,030 | | 187,914 | 14.670,85m |
| | # | 3,437 | | 191,351 | | |
| | DNOCS - M11 | | 1,122 | | 190,229 | |
| | MARCO-E192+19.02 | | 0,540 | | 190,811 | |
| | # | 0,123 | | 190,934 | | |
| | E192 | | 0,700 | | 190,234 | |
| | E191 | | 1,192 | | 189,742 | |
| | E190 | | 2,195 | | 188,739 | |
| | E189 | | 2,879 | | 188,055 | |
| | E188 | | 3,898 | | 187,036 | |
| | # | 0,585 | | 187,621 | | |
| | E187 | | 0,802 | | 186,819 | |
| | E186 | | 1,074 | | 186,547 | |
| | E185 | | 1,627 | | 185,994 | |
| | E184 | | 2,065 | | 185,556 | |
| | E183 | | 2,294 | | 185,327 | |
| | E182 | | 2,532 | | 185,089 | |
| | E181 | | 2,830 | | 184,791 | |
| | E180 | | 2,963 | | 184,658 | |
| | # | 0,299 | | 184,957 | | |
| | E179 | | 0,743 | | 184,214 | |
| | E178 | | 0,985 | | 183,972 | |
| | E177 | | 1,278 | | 183,679 | |
| | E176 | | 1,465 | | 183,492 | |
| | E175 | | 1,647 | | 183,310 | |
| | E174 | | 1,825 | | 183,132 | |
| | E173 | | 2,111 | | 182,846 | |
| | E172 | | 2,251 | | 182,706 | |
| | # | 1,053 | | 183,759 | | |
| | E171 | | 1,218 | | 182,541 | |
| | E170 | | 1,329 | | 182,430 | |
| | E169 | | 1,459 | | 182,300 | |
| | E168 | | 1,518 | | 182,241 | |
| | E167 | | 1,438 | | 182,321 | |
| | E166 | | 1,316 | | 182,443 | |
| | E165 | | 1,640 | | 182,119 | |
| | # | 1,625 | | 183,744 | | |
| | E164 | | 1,509 | | 182,235 | |
| | E163 | | 1,470 | | 182,274 | |
| | E162 | | 1,408 | | 182,336 | |
| | E161 | | 1,311 | | 182,433 | |
| | E160 | | 1,270 | | 182,474 | |
| | E159 | | 1,110 | | 182,634 | |
| | E158 | | 1,085 | | 182,659 | |
| | # | 0,820 | | 183,479 | | |
| | E157 | | 1,268 | | 182,211 | |
| | E156 | | 1,655 | | 181,824 | |
| | E155 | | 1,802 | | 181,677 | |
| | E154 | | 1,662 | | 181,817 | |
| | E153 | | 1,490 | | 181,989 | |
| | # | 2,000 | | 183,989 | | |
| | E152 | | 1,948 | | 182,041 | |
| | E151 | | 1,822 | | 182,167 | |
| | E150 | | 1,598 | | 182,391 | |
| | E149 | | 1,248 | | 182,741 | |
| | E148 | | 0,777 | | 183,212 | |
| | E147 | | 0,372 | | 183,617 | |
| | # | 3,280 | | 186,897 | | |
| | E146 | | 2,985 | | 183,912 | |
| | MARCO - P8 | | 2,745 | | 184,152 | |
| | E145 | | 2,460 | | 184,437 | |
| | E144 | | 2,190 | | 184,707 | |
| | E143 | | 1,854 | | 185,043 | |
| | E142 | | 1,225 | | 185,672 | |
| | E141 | | 0,724 | | 186,173 | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|------------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | E140 | | 1,068 | | 185,829 | |
| | E139 | | 0,904 | | 185,993 | |
| | E138 | | 1,420 | | 185,477 | |
| | # | 0,624 | | 186,101 | | |
| | E137 | | 1,517 | | 184,584 | |
| | E136 | | 1,461 | | 184,640 | |
| | E135 | | 2,608 | | 183,493 | |
| | E134 | | 3,020 | | 183,081 | |
| | E133 | | 3,453 | | 182,648 | |
| | # | 0,495 | | 183,143 | | |
| | E132 | | 1,338 | | 181,805 | |
| | E131 | | 1,906 | | 181,237 | |
| | E130 | | 1,637 | | 181,506 | |
| | E129 | | 1,338 | | 181,805 | |
| | E128 | | 0,964 | | 182,179 | |
| | E127 | | 0,729 | | 182,414 | |
| | E126 | | 0,670 | | 182,473 | |
| | E125 | | 1,052 | | 182,091 | |
| | # | 0,562 | | 182,653 | | |
| | E124 | | 1,179 | | 181,474 | |
| | E123 | | 2,000 | | 180,653 | |
| | E122 | | 2,620 | | 180,033 | |
| | E121 | | 3,680 | | 178,973 | |
| | # | 0,382 | | 179,355 | | |
| | E120 | | 1,176 | | 178,179 | |
| | E119 | | 2,002 | | 177,353 | |
| | E118 | | 1,655 | | 177,700 | |
| | E117 | | 1,965 | | 177,390 | |
| | E116 | | 2,080 | | 177,275 | |
| | # | 2,885 | | 180,160 | | |
| | E115 | | 2,950 | | 177,210 | |
| | E114 | | 2,625 | | 177,535 | |
| | E113 | | 1,881 | | 178,279 | |
| | E112 | | 1,293 | | 178,867 | |
| | E111 | | 0,440 | | 179,720 | |
| | # | 3,090 | | 182,810 | | |
| | E110 | | 2,522 | | 180,288 | |
| | E109 | | 2,618 | | 180,192 | |
| | E108 | | 2,142 | | 180,668 | |
| | E107 | | 1,900 | | 180,910 | |
| | E106 | | 1,557 | | 181,253 | |
| | MARCO - P7 | | 1,313 | | 181,497 | |
| | E105 | | 1,392 | | 181,418 | |
| | E104 | | 1,825 | | 180,985 | |
| | E103 | | 2,661 | | 180,149 | |
| | E102 | | 3,510 | | 179,300 | |
| | # | 0,790 | | 180,090 | | |
| | E101 | | 1,725 | | 178,365 | |
| | E100 | | 3,148 | | 176,942 | |
| | E99 | | 4,741 | | 175,349 | |
| | E98 | | 5,501 | | 174,589 | |
| | E97 | | 3,710 | | 176,380 | |
| | E96 | | 2,502 | | 177,588 | |
| | E95 | | 1,312 | | 178,778 | |
| | E94 | | 0,430 | | 179,660 | |
| | E93 | | 0,715 | | 179,375 | |
| | E92 | | 0,982 | | 179,108 | |
| | E91 | | 1,649 | | 178,441 | |
| | # | 0,532 | | 178,973 | | |
| | E90 | | 1,234 | | 177,739 | |
| | E89 | | 1,765 | | 177,208 | |
| | E88 | | 2,905 | | 176,068 | |
| | # | 0,693 | | 176,761 | | |
| | E87 | | 2,790 | | 173,971 | |
| | AUX | | 3,853 | | 172,908 | |
| | # | 0,543 | | 173,451 | | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|------------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | E86 | | 0,925 | | 172,526 | |
| | E85 | | 3,726 | | 169,725 | |
| | # | 0,382 | | 170,107 | | |
| | A84 | | 2,365 | | 167,742 | |
| | E83 | | 3,754 | | 166,353 | |
| | # | 0,269 | | 166,622 | | |
| | E82 | | 1,848 | | 164,774 | |
| | E81 | | 2,519 | | 164,103 | |
| | AUX | | 4,003 | | 162,619 | |
| | # | 0,013 | | 162,632 | | |
| | E80 | | 0,660 | | 161,972 | |
| | E79 | | 2,802 | | 159,830 | |
| | E78 | | 3,431 | | 159,201 | |
| | E77 | | 1,840 | | 160,792 | |
| | E76 | | 2,190 | | 160,442 | |
| | AUX | | 1,747 | | 160,885 | |
| | # | 0,883 | | 161,768 | | |
| | E75 | | 1,679 | | 160,089 | |
| | E74 | | 1,936 | | 159,832 | |
| | E73 | | 1,597 | | 160,171 | |
| | E72 | | 1,659 | | 160,109 | |
| | E71 | | 1,713 | | 160,055 | |
| | E70 | | 2,665 | | 159,103 | |
| | E69 | | 3,359 | | 158,409 | |
| | AUX | | 3,812 | | 157,956 | |
| | # | 0,338 | | 158,294 | | |
| | E68 | | 1,019 | | 157,275 | |
| | E67 | | 1,809 | | 156,485 | |
| | E66 | | 2,910 | | 155,384 | |
| | E65 | | 3,555 | | 154,739 | |
| | # | 1,341 | | 156,080 | | |
| | AUX | | 2,698 | | 153,382 | |
| | # | 0,715 | | 154,097 | | |
| | E64 | | 3,078 | | 151,019 | |
| | E63 | | 4,494 | | 149,603 | |
| | E62 | | 3,801 | | 150,296 | |
| | E61 | | 1,511 | | 152,586 | |
| | E60 | | 1,341 | | 152,756 | |
| | E59 | | 0,791 | | 153,306 | |
| | AUX | | 0,641 | | 153,456 | |
| | # | 3,698 | | 157,154 | | |
| | E58 | | 1,393 | | 155,761 | |
| | AUX | | 0,604 | | 156,550 | |
| | # | 3,470 | | 160,020 | | |
| | E57 | | 2,120 | | 157,900 | |
| | AUX | | 0,022 | | 159,998 | |
| | # | 3,649 | | 163,647 | | |
| | E56 | | 4,338 | | 159,309 | |
| | E55 | | 2,719 | | 160,928 | |
| | E54 | | 0,663 | | 162,984 | |
| | # | 3,648 | | 166,632 | | |
| | E53 | | 0,962 | | 165,670 | |
| | # | 3,632 | | 169,302 | | |
| | MARCO - P6 | | 1,300 | | 168,002 | |
| | E52 | | 1,383 | | 167,919 | |
| | AUX | | 0,427 | | 168,875 | |
| | # | 0,960 | | 169,835 | | |
| | E51 | | 1,272 | | 168,563 | |
| | E50 | | 2,320 | | 167,515 | |
| | AUX | | 3,563 | | 166,272 | |
| | # | 0,229 | | 166,501 | | |
| | E49 | | 1,971 | | 164,530 | |
| | AUX | | 3,865 | | 162,636 | |
| | # | 0,487 | | 163,123 | | |
| | E48 | | 0,747 | | 162,376 | |
| | E47 | | 2,180 | | 160,943 | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|-------|-------|-------|---------------------|----------------------|------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | E46 | | 3,635 | | 159,488 | |
| | # | 0,457 | | 159,945 | | |
| | E45 | | 2,006 | | 157,939 | |
| | E44 | | 2,580 | | 157,365 | |
| | AUX | | 3,500 | | 156,445 | |
| | # | 0,008 | | 156,453 | | |
| | E43 | | 2,613 | | 153,840 | |
| | AUX | | 3,677 | | 152,776 | |
| | # | 2,061 | | 154,837 | | |
| | E42 | | 2,970 | | 151,867 | |
| | E41 | | 3,848 | | 150,989 | |
| | E40 | | 1,177 | | 153,660 | |
| | E39 | | 0,964 | | 153,873 | |
| | E38 | | 1,099 | | 153,738 | |
| | # | 3,010 | | 156,748 | | |
| | E37 | | 1,905 | | 154,843 | |
| | E36 | | 1,199 | | 155,549 | |
| | E35 | | 0,884 | | 155,864 | |
| | AUX | | 0,075 | | 156,673 | |
| | # | 3,978 | | 160,651 | | |
| | E34 | | 3,725 | | 156,926 | |
| | E33 | | 2,715 | | 157,936 | |
| | E32 | | 1,659 | | 158,902 | |
| | E31 | | 0,940 | | 159,711 | |
| | E30 | | 0,330 | | 160,321 | |
| | # | 1,951 | | 162,272 | | |
| | E29 | | 1,455 | | 160,817 | |
| | E28 | | 1,582 | | 160,690 | |
| | E27 | | 1,413 | | 160,859 | |
| | E26 | | 2,275 | | 159,997 | |
| | E25 | | 1,473 | | 160,799 | |
| | AUX | | 0,064 | | 162,208 | |
| | # | 3,392 | | 165,600 | | |
| | E24 | | 3,350 | | 162,250 | |
| | E23 | | 1,650 | | 163,950 | |
| | E22 | | 1,539 | | 164,061 | |
| | E21 | | 2,015 | | 163,585 | |
| | E20 | | 3,432 | | 162,168 | |
| | E19 | | 2,188 | | 163,412 | |
| | E18 | | 1,152 | | 164,448 | |
| | E17 | | 1,260 | | 164,340 | |
| | AUX | | 0,565 | | 165,035 | |
| | # | 3,938 | | 168,973 | | |
| | E16 | | 3,232 | | 165,741 | |
| | E15 | | 2,648 | | 166,325 | |
| | E14 | | 2,185 | | 166,788 | |
| | E13 | | 1,230 | | 167,743 | |
| | AUX | | 0,382 | | 168,591 | |
| | # | 3,608 | | 172,199 | | |
| | E12 | | 3,250 | | 168,949 | |
| | E11 | | 2,190 | | 170,009 | |
| | AUX | | 0,044 | | 172,155 | |
| | # | 3,181 | | 175,336 | | |
| | E10 | | 3,460 | | 171,876 | |
| | E09 | | 2,362 | | 172,974 | |
| | E08 | | 0,801 | | 174,535 | |
| | # | 3,557 | | 178,092 | | |
| | E07 | | 0,187 | | 177,905 | |
| | # | 3,917 | | 181,822 | | |
| | E06 | | 0,231 | | 181,591 | |
| | # | 3,975 | | 185,566 | | |
| | AUX | | 0,295 | | 185,271 | |
| | # | 3,725 | | 188,996 | | |
| | E05 | | 3,184 | | 185,812 | |
| | AUX | | 0,359 | | 188,637 | |
| | # | 3,951 | | 192,588 | | |

| NIVELAMENTO GEOMÉTRICO | | | | | | |
|------------------------|----------|-------|-------|---------------------|----------------------|-------------------|
| ESTAÇÃO | PONTO | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA | DISTÂNCIA LINEAR |
| | E04 | | 1,478 | | 191,110 | |
| | AUX | | 0,735 | | 191,853 | |
| | # | 3,849 | | 195,702 | | |
| | E03 | | 0,724 | | 194,978 | |
| | AUX | | 0,383 | | 195,319 | |
| | # | 3,972 | | 199,291 | | |
| | E02 | | 0,544 | | 198,747 | |
| | # | 3,932 | | 202,679 | | |
| | E-01 | | 0,253 | | 202,426 | |
| | # | 3,065 | | 205,491 | | |
| | MARCO-E0 | | 0,933 | | 204,558 | 18.529,17m |

| CONTRA NIVELAMENTO GEOMÉTRICO | | | | |
|--------------------------------------|-----------|--------------|----------------------------|-----------------------------|
| PONTOS | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA |
| RN | | | | 205,667 |
| # | 2,844 | | 208,511 | |
| AUX | | 2,794 | | 205,717 |
| # | 0,136 | | 205,853 | |
| AUX | | 3,512 | | 202,341 |
| # | 0,833 | | 203,174 | |
| AUX | | 1,977 | | 201,197 |
| # | 1,508 | | 202,705 | |
| AUX | | 1,545 | | 201,16 |
| # | 2,391 | | 203,551 | |
| AUX | | 0,526 | | 203,025 |
| # | 3,701 | | 206,726 | |
| AUX | | 0,15 | | 206,576 |
| # | 2,143 | | 208,719 | |
| AUX | | 3,438 | | 205,281 |
| # | 0,312 | | 205,593 | |
| P1 | | 1,031 | | 204,562 |
| AUX | | 3,509 | | 202,084 |
| # | 0,404 | | 202,488 | |
| AUX | | 2,628 | | 199,86 |
| # | 0,413 | | 200,273 | |
| AUX | | 3,37 | | 196,903 |
| # | 0,126 | | 197,029 | |
| XUX | | 3,519 | | 193,51 |
| # | 0,073 | | 193,583 | |
| AUX | | 1,631 | | 191,952 |
| # | 1,536 | | 193,488 | |
| R-2 | | 1,533 | | 191,955 |
| AUX | | 1,523 | | 191,965 |
| # | 1,486 | | 193,451 | |
| AUX | | 1,31 | | 192,141 |
| # | 1,923 | | 194,064 | |
| AUX | | 0,758 | | 193,306 |
| # | 2,401 | | 195,707 | |
| AUX | | 0,626 | | 195,081 |
| # | 2,087 | | 197,168 | |
| AUX | | 0,977 | | 196,191 |
| # | 1,922 | | 198,113 | |
| P3 | | 0,386 | | 197,727 |
| AUX | | 0,79 | | 197,323 |
| # | 2,09 | | 199,413 | |
| AUX | | 0,078 | | 199,335 |
| # | 3,372 | | 202,707 | |
| AUX | | 0,306 | | 202,401 |
| # | 3,335 | | 205,736 | |
| AUX | | 0,241 | | 205,495 |
| # | 2,711 | | 208,206 | |
| AUX | | 0,158 | | 208,048 |
| # | 3,052 | | 211,1 | |
| AUX | | 0,242 | | 210,858 |
| # | 3,311 | | 214,169 | |
| AUX | | 0,279 | | 213,89 |
| # | 1,414 | | 215,304 | |
| AUX | | 3,326 | | 211,978 |
| # | 0,299 | | 212,277 | |
| P4 | | 3,447 | | 208,83 |
| AUX | | 2,292 | | 209,985 |
| # | 1,782 | | 211,767 | |
| AUX | | 2,358 | | 209,409 |
| # | 0,685 | | 210,094 | |
| AUX | | 2,381 | | 207,713 |
| # | 0,531 | | 208,244 | |

| CONTRA NIVELAMENTO GEOMÉTRICO | | | | |
|--------------------------------------|-----------|--------------|----------------------------|-----------------------------|
| PONTOS | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA |
| AUX | | 2,967 | | 205,277 |
| # | 0,402 | | 205,679 | |
| AUX | | 3,417 | | 202,262 |
| # | 0,15 | | 202,412 | |
| AUX | | 3,372 | | 199,04 |
| # | 0,933 | | 199,973 | |
| AUX | | 0,308 | | 199,665 |
| # | 3,81 | | 203,475 | |
| AUX | | 0,199 | | 203,276 |
| # | 3,52 | | 206,796 | |
| AUX | | 0,075 | | 206,721 |
| # | 0,51 | | 207,231 | |
| AUX | | 3,028 | | 204,203 |
| # | 1,106 | | 205,309 | |
| AUX | | 0,369 | | 204,94 |
| # | 3,151 | | 208,091 | |
| AUX | | 0,234 | | 207,857 |
| # | 2,854 | | 210,711 | |
| AUX | | 0,092 | | 210,619 |
| # | 3,135 | | 213,754 | |
| AUX | | 0,443 | | 213,311 |
| # | 1,473 | | 214,784 | |
| AUX | | 1,683 | | 213,101 |
| # | 0,447 | | 213,548 | |
| AUX | | 2,659 | | 210,889 |
| # | 0,761 | | 211,65 | |
| AUX | | 3,125 | | 208,525 |
| # | 0,582 | | 209,107 | |
| AUX | | 2,837 | | 206,27 |
| # | 0,842 | | 207,112 | |
| AUX | | 1,569 | | 205,543 |
| # | 1,66 | | 207,203 | |
| R-04 | | 1,196 | | 206,007 |
| AUX | | 0,219 | | 206,984 |
| # | 3,411 | | 210,395 | |
| AUX | | 0,289 | | 210,106 |
| # | 3,752 | | 213,858 | |
| AUX | | 0,296 | | 213,562 |
| # | 3,046 | | 216,608 | |
| AUX | | 0,294 | | 216,314 |
| # | 3,008 | | 219,322 | |
| AUX | | 0,785 | | 218,537 |
| # | 1,043 | | 219,58 | |
| AUX | | 2,967 | | 216,613 |
| # | 0,479 | | 217,092 | |
| AUX | | 3,541 | | 213,551 |
| # | 0,214 | | 213,765 | |
| AUX | | 3,798 | | 209,967 |
| # | 0,285 | | 210,252 | |
| AUX | | 3,698 | | 206,554 |
| # | 0,805 | | 207,359 | |
| AUX | | 1,55 | | 205,809 |
| # | 1,079 | | 206,888 | |
| P5 | | 2,112 | | 204,776 |
| AUX | | 1,418 | | 205,47 |
| # | 3,963 | | 209,433 | |
| AUX | | 0,144 | | 209,289 |
| # | 3,319 | | 212,608 | |
| AUX | | 1,607 | | 211,001 |
| # | 0,815 | | 211,816 | |
| AUX | | 1,569 | | 210,247 |
| # | 2,606 | | 212,853 | |

| CONTRA NIVELAMENTO GEOMÉTRICO | | | | |
|--------------------------------------|-----------|--------------|----------------------------|-----------------------------|
| PONTOS | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA |
| R-06 | | 1,289 | | 211,564 |
| AUX | | 1,261 | | 211,592 |
| # | 1,214 | | 212,806 | |
| AUX | | 1,643 | | 211,163 |
| # | 1,168 | | 212,331 | |
| R-07 | | 1,564 | | 210,767 |
| AUX | | 1,567 | | 210,764 |
| # | 1,895 | | 212,659 | |
| AUX | | 0,861 | | 211,798 |
| # | 1,916 | | 213,714 | |
| AUX | | 0,707 | | 213,007 |
| # | 1,856 | | 214,863 | |
| AUX | | 1,348 | | 213,515 |
| # | 1,864 | | 215,379 | |
| AUX | | 0,137 | | 215,242 |
| # | 2,754 | | 217,996 | |
| AUX | | 0,189 | | 217,807 |
| # | 2,752 | | 220,559 | |
| AUX | | 1,522 | | 219,037 |
| # | 0,633 | | 219,67 | |
| AUX | | 2,945 | | 216,725 |
| # | 0,538 | | 217,263 | |
| AUX | | 2,396 | | 214,867 |
| # | 0,515 | | 215,382 | |
| AUX | | 3,127 | | 212,255 |
| # | 0,095 | | 212,35 | |
| AUX | | 3,331 | | 209,019 |
| # | 0,96 | | 209,979 | |
| AUX | | 1,232 | | 208,747 |
| # | 3,251 | | 211,998 | |
| AUX | | 0,192 | | 211,806 |
| # | 3,502 | | 215,308 | |
| AUX | | 0,169 | | 215,139 |
| # | 3,429 | | 218,568 | |
| AUX | | 0,183 | | 218,385 |
| # | 3,284 | | 221,669 | |
| AUX | | 0,278 | | 221,391 |
| # | 1,4 | | 222,791 | |
| P6 | | 0,424 | | 222,367 |
| AUX | | 1,948 | | 220,843 |
| # | 0,551 | | 221,394 | |
| AUX | | 2,998 | | 218,396 |
| # | 0,2 | | 218,596 | |
| AUX | | 3,216 | | 215,38 |
| # | 0,555 | | 215,935 | |
| AUX | | 0,324 | | 215,611 |
| # | 2,671 | | 218,282 | |
| AUX | | 0,491 | | 217,791 |
| # | 2,136 | | 219,927 | |
| AUX | | 0,939 | | 218,988 |
| # | 1,803 | | 220,791 | |
| AUX | | 1,085 | | 219,706 |
| # | 1,479 | | 221,185 | |
| AUX | | 1,329 | | 219,856 |
| # | 1,712 | | 221,568 | |
| AUX | | 2,331 | | 219,237 |
| # | 0,324 | | 219,561 | |
| AUX | | 2,236 | | 217,325 |
| # | 0,867 | | 218,192 | |
| AUX | | 1,596 | | 216,596 |
| # | 1,265 | | 217,861 | |
| R11 | | 1,515 | | 216,346 |

| CONTRA NIVELAMENTO GEOMÉTRICO | | | | |
|--------------------------------------|-----------|--------------|----------------------------|-----------------------------|
| PONTOS | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA |
| AUX | | 1,61 | | 216,251 |
| # | 0,471 | | 216,722 | |
| AUX | | 3,2 | | 213,522 |
| # | 0,184 | | 213,706 | |
| AUX | | 3,363 | | 210,343 |
| # | 0,338 | | 210,681 | |
| AUX | | 2,769 | | 207,912 |
| # | 0,161 | | 208,073 | |
| AUX | | 2,451 | | 205,622 |
| # | 0,819 | | 206,441 | |
| AUX | | 1,866 | | 204,575 |
| # | 1,298 | | 205,873 | |
| AUX | | 2,132 | | 203,741 |
| # | 0,205 | | 203,946 | |
| AUX | | 3,011 | | 200,935 |
| # | 0,532 | | 201,467 | |
| AUX | | 2,418 | | 199,049 |
| # | 1,343 | | 200,392 | |
| AUX | | 1,197 | | 199,195 |
| # | 2,057 | | 201,252 | |
| AUX | | 0,595 | | 200,657 |
| # | 2,043 | | 202,7 | |
| AUX | | 1,003 | | 201,697 |
| # | 1,298 | | 202,995 | |
| AUX | | 2,542 | | 200,453 |
| # | 0,232 | | 200,685 | |
| AUX | | 2,651 | | 198,034 |
| # | 0,626 | | 198,66 | |
| AUX | | 2,23 | | 196,43 |
| # | 0,291 | | 196,721 | |
| AUX | | 3,486 | | 193,235 |
| # | 0,436 | | 193,671 | |
| AUX | | 2,361 | | 191,31 |
| # | 1,619 | | 192,929 | |
| AUX | | 1,335 | | 191,594 |
| # | 1,042 | | 192,636 | |
| P7 | | 0,865 | | 191,771 |
| AUX | | 3,333 | | 189,303 |
| # | 0,169 | | 189,472 | |
| AUX | | 2,141 | | 187,331 |
| # | 1,497 | | 188,828 | |
| AUX | | 1,028 | | 187,8 |
| # | 2,331 | | 190,131 | |
| AUX | | 0,126 | | 190,005 |
| # | 2,011 | | 192,016 | |
| AUX | | 2,124 | | 189,892 |
| # | 0,338 | | 190,23 | |
| AUX | | 2,318 | | 187,912 |
| # | 2,062 | | 189,974 | |
| AUX | | 0,999 | | 188,975 |
| # | 0,715 | | 189,69 | |
| AUX | | 3,06 | | 186,63 |
| # | 0,28 | | 186,91 | |
| AUX | | 3,435 | | 183,475 |
| # | 0,387 | | 183,862 | |
| AUX | | 2,922 | | 180,94 |
| # | 0,418 | | 181,358 | |
| AUX | | 2,597 | | 178,761 |
| # | 0,334 | | 179,095 | |
| P8 | | 2,072 | | 177,023 |
| AUX | | 2,673 | | 176,422 |
| # | 0,461 | | 176,883 | |

| CONTRA NIVELAMENTO GEOMÉTRICO | | | | |
|--------------------------------------|-----------|--------------|----------------------------|-----------------------------|
| PONTOS | RE | VANTE | PLANO DE REFERÊNCIA | ALTITUDE ORTOMÉTRICA |
| AUX | | 2,245 | | 174,638 |
| # | 1,07 | | 175,708 | |
| AUX | | 1,895 | | 173,813 |
| # | 1,994 | | 175,807 | |
| AUX | | 0,17 | | 175,637 |
| # | 2,561 | | 178,198 | |
| AUX | | 0,075 | | 178,123 |
| # | 2,592 | | 180,715 | |
| AUX | | 1,621 | | 179,094 |
| # | 0,592 | | 179,686 | |
| AUX | | 3,108 | | 176,578 |
| # | 0,535 | | 177,113 | |
| AUX | | 3,039 | | 174,074 |
| # | 0,339 | | 174,413 | |
| AUX | | 2,048 | | 172,365 |
| # | 1,363 | | 173,728 | |
| AUX | | 0,202 | | 173,526 |
| # | 2,691 | | 176,217 | |
| P9 | | 0,196 | | 176,021 |
| AUX | | 0,306 | | 175,911 |
| # | 2,031 | | 177,942 | |
| AUX | | 0,918 | | 177,024 |
| # | 2,308 | | 179,332 | |
| AUX | | 0,173 | | 179,159 |
| # | 1,724 | | 180,883 | |
| AUX | | 2,096 | | 178,787 |
| # | 0,866 | | 179,653 | |
| AUX | | 0,374 | | 179,279 |
| # | 3,46 | | 182,739 | |
| AUX | | 0,228 | | 182,511 |
| # | 3,81 | | 186,321 | |
| AUX | | 0,137 | | 186,184 |
| # | 2,328 | | 188,512 | |
| AUX | | 1,392 | | 187,12 |
| # | 1,5 | | 188,62 | |
| AUX | | 1,383 | | 187,237 |
| # | 1,611 | | 188,848 | |
| AUX | | 1,312 | | 187,536 |
| # | 0,89 | | 188,426 | |
| MARCO DE APOIO | | 0,514 | | 187,912 |



Companhia de Gestão dos Recursos Hídricos