Norte Energia
Usina Hidrelétrica Belo Monte

PBA

Projeto Básico Ambiental

Versão Final
Setembro de 2011

VOLUME VII TOMO 3

- Anexo - Estudo hidrossedimentológico à jusante da casa de força

Nota do IBAMA

Esta fase do licenciamento ambiental – Licença de Instalação – se caracteriza pela análise, monitoramento e acompanhamento das ações propostas no Projeto Básico Ambiental (PBA). Neste documento são apresentados diversos planos, programas e projetos cujos principais objetivos são a mitigação e a compensação dos impactos negativos e a potencialização dos impactos positivos gerados pela Usina de Belo Monte.

O PBA aqui apresentado foi aprovado pelo IBAMA após uma série de discussões com o empreendedor e tem como objetivo específico orientar a implementação das ações previstas.

É preciso ressaltar o dinamismo do licenciamento ambiental assim como do próprio PBA. Neste sentido, a qualquer tempo o Ibama poderá, de acordo com os monitoramentos e acompanhamentos propostos, alterar, propor ou acordar ações que minimizem dificuldades ou potencializem soluções, antes não previstas neste documento.

Por sua vez, o PBA define critérios para atendimento da população atingida e prevê mecanismos de participação da sociedade. Dentre estes, destaca-se o Fórum de Acompanhamento Social, com diversas comissões para tratar assuntos específicos afetos à evolução dos planos, programas e projetos desenvolvidos no âmbito do PBA. Este mecanismo de validação social é importante aliado para que o empreendimento sirva como um catalizador no processo de desenvolvimento da região, ao mesmo tempo em que garante a presença e dá voz às entidades sociais das populações diretamente afetadas, e portanto interessadas, pelo empreendimento.

A disponibilização de cópias do PBA para consulta da população interessada atende a uma exigência estabelecida pelo IBAMA na Licença de Instalação da UHE Belo Monte.

ESTUDO HIDROSSEDIMENTOLÓGICO À JUSANTE DA CASA DE FORÇA

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1. Introdução

A condicionante (nº 2.40) da Licença Prévia do Empreendimento da UHE Belo Monte (LP nº 342/2010) contempla o estudo sobre a possibilidade de erosão do rio Xingu a jusante da barragem e das corredeiras da Volta Grande do Xingu, além da avaliação da estabilidade de alguns bancos de areia que afloram nesse trecho da ria e que servem de nidificação para os quelônios. Os principais esclarecimentos solicitados podem ser resumidos nos seguintes itens:

- Questionamento sobre a "*utilização das cartas da Marinha como fonte de dados para se estipular as seções topobatimétricas*", além das "relações feitas com os dados de maré" para se inferir as "*cotas absolutas das seções em estudo*". A preocupação seria sobre o "*excesso de relações e estimativas na elaboração do modelo, principalmente relacionado à definição das seções topobatimétricas e aos níveis d'água utilizados como balizadores na aferição do modelo, os quais não foram devidamente explicitados (somente a curva-chave Boca de Santo Antonio)*". Foram solicitados então, "*esclarecimentos e questiona-se o porquê de não terem sido efetuadas seções topobatiméricas em campo*".

- Verificação da "*situação de vazões elevadas no rio Xingu e vazões baixas no rio Amazonas*", com as linhas d'água apresentando "*elevada declividade nos trechos de logo a jusante da casa de força*" acentuando mais no "*trecho de 40.000 m ate 60.000 m na região de ocorrências das praias*". Para não parecer um contra-senso, foram solicitados esclarecimentos "*haja vista o trecho ser caracterizado por haver grandes deposições de areia*".

- Apresentação de uma variação "*bastante significativa*" nos "*resultados da capacidade de transporte de sedimentos para cada equação empregada*". Para as vazões no rio Xingu, "*com exceção de um dos métodos para o qual o valor atingiu 10g/l, os demais forneceram concentrações abaixo de 400 mg/l*". Apesar de considerável variação entre as equações aplicadas, para os outros cenários os valores teriam ficado "*em sua grande parte abaixo de 10mg/l*". Para concluir, foi constado que "*com base nos gráficos apresentados, verifica-se que a seção onde se encontram as praias de desova possui relativamente, no trecho em estudo, uma grande capacidade de transporte de sólidos*". Mesmo assim, o rio Xingu apresenta "*valores bastante inferiores, quando comparado a rios de águas brancas da Amazônia*".

- Recomendação de "*solicitação de esclarecimentos acerca das conclusões citadas*" sobre os "*resultados apresentados no trecho onde há ocorrência de praias (S11 a S15), transporte de partículas de até 1,4 mm (S12)*". Neste caso, teria sido dado destaque "*somente à Seção S15, a qual representa a última seção do trecho principal em análise*".

- Consideração sobre "*retenção dos sedimentos nos reservatórios e os impactos a jusante*", com base na simulação da capacidade de transporte de sedimentos na situação natural do rio Xingu. Esta consideração foi solicitada devido à avaliação inicial de que não haveria concordância com a conclusão sobre "*os critérios para a determinação da condição crítica de início de transporte de fundo e em suspensão (conclusão iii)*". Neste caso foi utilizada a simulação hidráulica anteriormente analisada e, sob a qual, "*existem questionamentos acerca da representatividade das seções topobatimétricas adotadas, associadas principalmente ao uso da cartografia da Marinha e da aferição do modelo, entendemos ser necessária a apresentação dos esclarecimentos pertinentes, destacados ao longo deste Parecer, os quais poderão suscitar pedidos de complementações dos estudos*".

Como forma de responder a esses questionamentos, foi prevista a realização de campanhas que possam fornecer as condições necessárias à modelação matemática do escoamento e da dinâmica de sedimentos nesse trecho da ria. Basicamente estes levantamentos tiveram como objetivo, além de levantar as seções de cálculo, fazer a caracterização sedimentométrica e do campo de velocidades na região dos bancos de areia.

Para a modelação matemática foi escolhido o Modelo HEC-RAS (River Analysis Sistem) desenvolvido pelo Hydrologic Engineering Center (HEC) – U.S.Corps of Engineering (www.hec.usace.army.mil). Trata-se de um sistema que reúne vários modelos unidimensionais que respondem a vários propósitos da fluviologia, dentre os quais a análise de transporte sólido (Sediment Transport Analysis). Trata-se de um sistema bastante versátil e suficiente para responder aos propósitos dos questionamentos tratados neste trabalho.

Para alimentar o modelo matemático foram realizadas campanhas topo-batimétricas em 28 seções onde foram também feitas as caracterizações granulométricas do material do leito. Procurou-se reproduzir as mesmas seções utilizadas em estudos anteriores para permitir que fosse feita uma comparação com os resultados estimados na fase do EIA/RIMA. Além destes levantamentos foram feitos outros complementares no sentido de melhorar as interpretações dos resultados de modelação matemática.

De posse destes novos dados e com as informações hidrológicas do trecho, tais como série de vazões na extremidade de montante e níveis na extremidade de jusante, informações estas necessárias para estabelecer as condições de fronteira na modelação passou-se à fase de calibração do modelo. Conhecendo-se a curva-chave a montante foram feitos os cálculos de remanso para diferentes vazões, ajustando os coeficientes de resistência (n de Manning) em todos os trechos. Este ajuste considerou a variabilidade do coeficiente de resistência com a profundidade de escoamento.

Com o modelo devidamente aferido passou-se a simulação utilizando uma série de vazões médias mensais disponíveis com duração de 75 anos (1931 a 2006). Considerou-se a hipótese mais conservativa que pressupõe a retenção total de sedimentos no reservatório a montante. Uma segunda consideração conservativa foi a de desprezar os efeitos de maré que no caso da estiagem do Xingu causa inversões do sentido do escoamento e com isto tende a arrastar o material de fundo para montante. Portanto, ao longo de toda a série histórica simulada, considerou-se a situação mais desfavorável para efeito de erosão com o escoamento permanentemente para jusante, condicionado pelos níveis na foz, junto ao rio Amazonas.

2. Dados Disponíveis

Foram feitos levantamentos topobatimétricos de 28 seções convenientemente distribuídas no trecho, coleta e análise de sedimentos de fundo em todas as seções e de sedimentos em suspensão na seção de referência, perfil de velocidades na seção de referência e velocidades médias nas seções nas imediações dos bancos Juncal e ilha do Cosme.

No **Anexo 1** constam algumas fotos que registram a execução dos serviços de coleta de amostras de sedimentos.

2.1 Seções Topobatimétricas

No **Anexo 2** constam a planta de localização e as 28 seções transversais topobatimétricas levantadas no trecho de 190 km do rio Xingu situado entre a futura Casa de Força da UHE Belo Monte e sua foz no rio Amazonas. Estas seções são suficientes e com elas é possível representar perfeitamente a morfologia da ria.

No **Anexo 3** constam as 28 seções em tabelas Excel, discretizadas na forma de pontos x/y/z (as duas primeiras informações correspondem às coordenadas planialtimétricas e a terceira à altimetria de cada ponto levantado).

O levantamento topo-batimétrico foi feito com o uso de estação total nos níveis acima da linha d´água, devidamente georreferenciados em relação aos marcos do IBGE. As batimetrias correspondentes foram levantadas fazendo uso de eco-batímetro apoiados com equipamentos de referenciamento de posição (estação total de apoio posicionada na margem).

Em cinco das seções foram feitas também as medições do campo de velocidades (S8 e S12 a S15).

2.2 Caracterização dos Sedimentos de Fundo

Em todas as seções de cálculo (28) foram colhidas amostras compostas do material constituinte do leito, para serem utilizadas na modelação sedimentológica. Além destas amostras foram coletadas amostragens em 16 pontos do banco Juncal e 5 pontos a jusante da Ilha São Cosme para estudos específicos sobre as formações destes bancos. A localização do ponto de coleta foi registrada por um GPS comum.

As amostragens foram realizadas com o uso de draga de coleta de material do leito em cinco verticais, colhendo um volume aproximado de 1 litro por vertical. Esta amostra foi quarteada até atingir um volume da ordem de 0,5 litro, que foi devidamente embalada em saco plástico resistente com etiqueta de identificação da amostra, data e local da amostragem, conforme fotos apresentadas no **Anexo 1**.

As amostras foram remetidas ao laboratório de sedimentometria para a realização dos ensaios de granulometria convencional por peneiramento.

Nas tabelas e gráficos apresentadas no **Anexo 4** constam os resultados das análises das amostras dos sedimentos de fundo coletadas em cada seção topobatimétrica e também das amostras coletadas nos bancos Juncal e a jusante da ilha São Cosme.

3. Caracterização dos Sedimentos em Suspensão e Estratificação de Velocidades

Por ocasião dos levantamentos topo-batimétricos das seções S8 e S12 a S15 foram registradas as velocidades médias ao longo das seções, seguindo os mesmos critérios de medição de vazão para rios com esta dimensão. Para tanto foi utilizado aparelho de hidrometria convencional (molinete calibrado, guincho com graduação e apoio de terra para determinação do posicionamento do ponto de medição de velocidades).

Estas velocidades foram levantadas numa situação de maré baixa e no período das cheias para caracterizar as condições mais desfavoráveis em termos de erosão dos bancos de areia.

Ainda na seção S8 foi feita uma medição detalhada da distribuição de velocidades e concentrações de sedimentos em 5 verticais distribuídas ao longo da largura da seção, juntamente com a coleta de sedimentos do leito em cada vertical separadamente. A distribuição dos pontos onde foram feitas as medições de velocidade e amostragem de sedimentos situaram-se a 0,05 h, 0,10 h, 0,2 h, 0,3 h, 0,4 h, 0,5 h, 0,6 h e 0,8 h em relação ao fundo, em que h é a profundidade na respectiva vertical. A **FIGURA 3-1** ilustra essa distribuição de pontos de medição e amostragens.

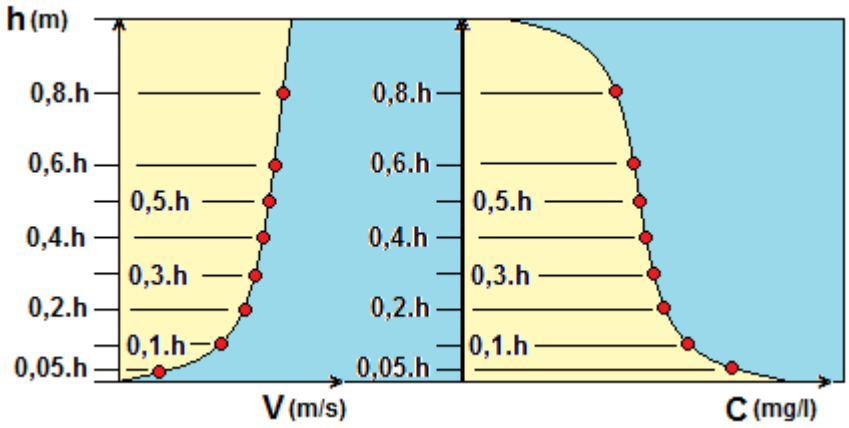


FIGURA 3-1 - Localização dos pontos de medição e amostragem de concentração ao longo de cada uma das cinco verticais na Seção 8

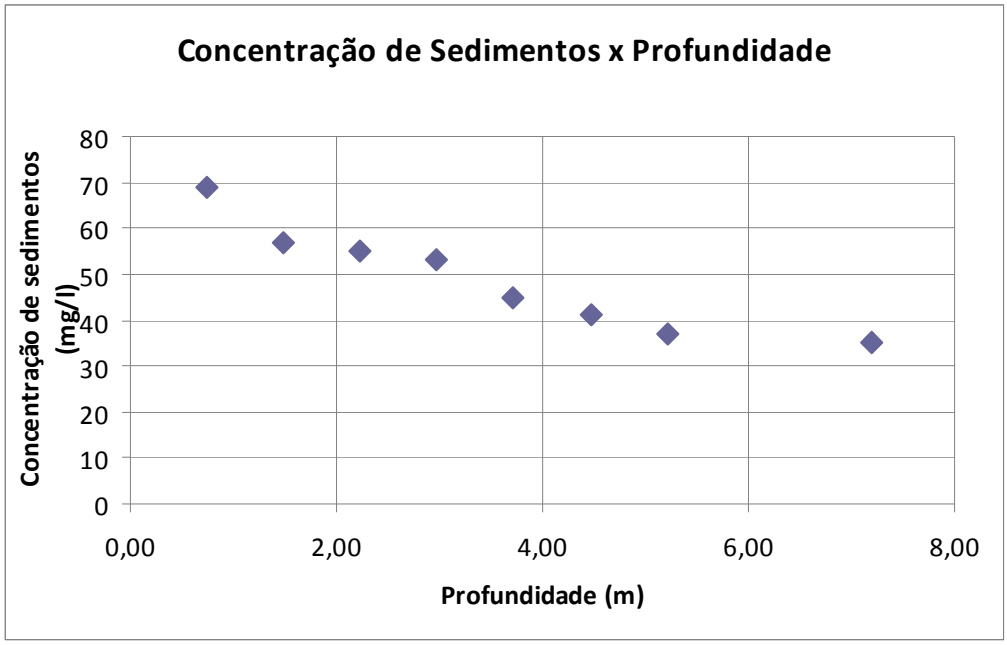
Este levantamento permitirá caracterizar melhor o transporte sólido numa seção onde ainda não há processo de deposição. As amostras de concentração foram devidamente identificadas, com indicação do local, posição na vertical e data.

Estas amostras foram enviadas ao laboratório de sedimentometria onde foram determinadas as concentrações. A metodologia empregada foi a de filtração por gravidade.

Os resultados das análises dos sedimentos em suspensão e das velocidades nas cinco verticais a diversas profundidades na seção de referência, bem como as velocidades médias nas seções próximas aos bancos Juncal e ilha São Cosme constam das tabelas e gráficos apresentados a seguir.

TABELA 3-1
Medidas de velocidades e sedimentos em suspensão na seção 08, vertical 01

RIO XINGU						
ESTRATIFICAÇÃO DE VELOCIDADES						
ESTRATIFICAÇÃO DE CONCENTRAÇÃO						
SEÇÃO 08			NÍVEL DAGUA	0,84		
VERTICAL 01		COORDENADAS				
		LESTE	NORTE			
		397943	9677804			
PROFUNDIDADE	PROF. (m)	ROTAÇÃO	VELOCIDADE	profundidades	CONCENTRAÇÃO	
TOTAL	7,44	(N)	(m/s)	(m)	GARRAFA	(mg/l)
				7,44		
0,2	1,49	115	0,60	7,19	332	35
0,3	2,23	107	0,56	5,95		
0,4	2,98	95	0,50	5,21	1445	37
0,5	3,72	93	0,49	4,46	4	41
0,6	4,46	91	0,48	3,72	1451	45
0,7	5,21	89	0,47	2,98	1452	53
0,8	5,95	87	0,46	2,23	126	55
0,9	6,70	82	0,43	1,49	333	57
0,95	7,07	79	0,42	0,74	1446	69
FUNDO - 0,25	7,19	76	0,40	0,37		



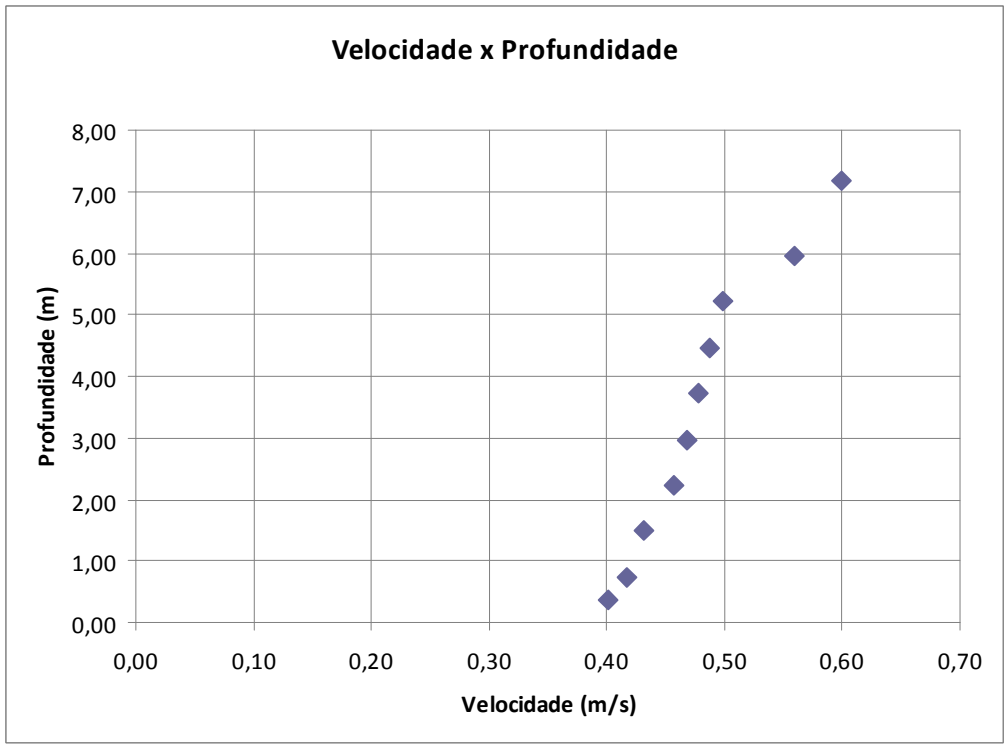
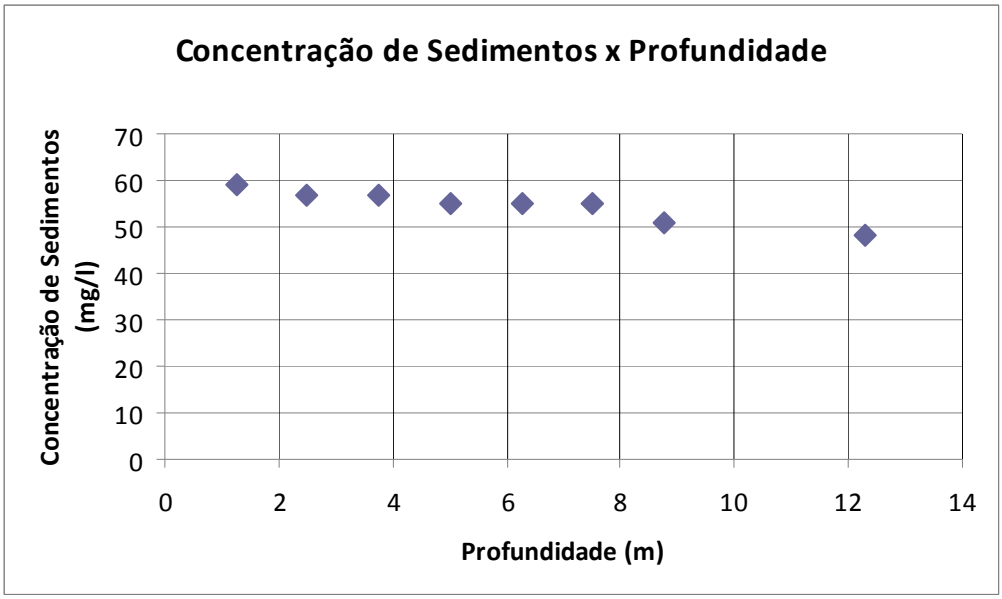


GRÁFICO 3-1 – Medidas de concentração de sedimentos e velocidades em função de variação da profundidade na seção 08, vertical 01

TABELA 3-2
Medidas de velocidades e sedimentos em suspensão na seção 08, vertical 02

RIO XINGU						
ESTRATIFICAÇÃO DE VELOCIDADES						
ESTRATIFICAÇÃO DE CONCENTRAÇÃO						
SEÇÃO 08			NÍVEL DAGUA	0,84		
VERTICAL 02		COORDENADAS				
		LESTE	NORTE			
		398188	9677962			
PROFUNDIDADE	PROF. (m)	ROTAÇÃO	VELOCIDADE	profundidades	CONCENTRAÇÃO	
TOTAL	12,53	(N)	(m/s)	(m)	GARRAFA	(mg/l)
				12,53		
0,2	2,51	162	0,84	12,28	2366	48
0,3	3,76	142	0,74	10,02		
0,4	5,01	164	0,85	8,77	134	51
0,5	6,27	144	0,75	7,52	135	55
0,6	7,52	135	0,70	6,27	132	55
0,7	8,77	128	0,67	5,01	133	55
0,8	10,02	117	0,61	3,76	128	57
0,9	11,28	109	0,57	2,51	129	57
0,95	11,90	98	0,51	1,25	35	59
FUNDO - 0,25	12,28	91	0,48	0,63		



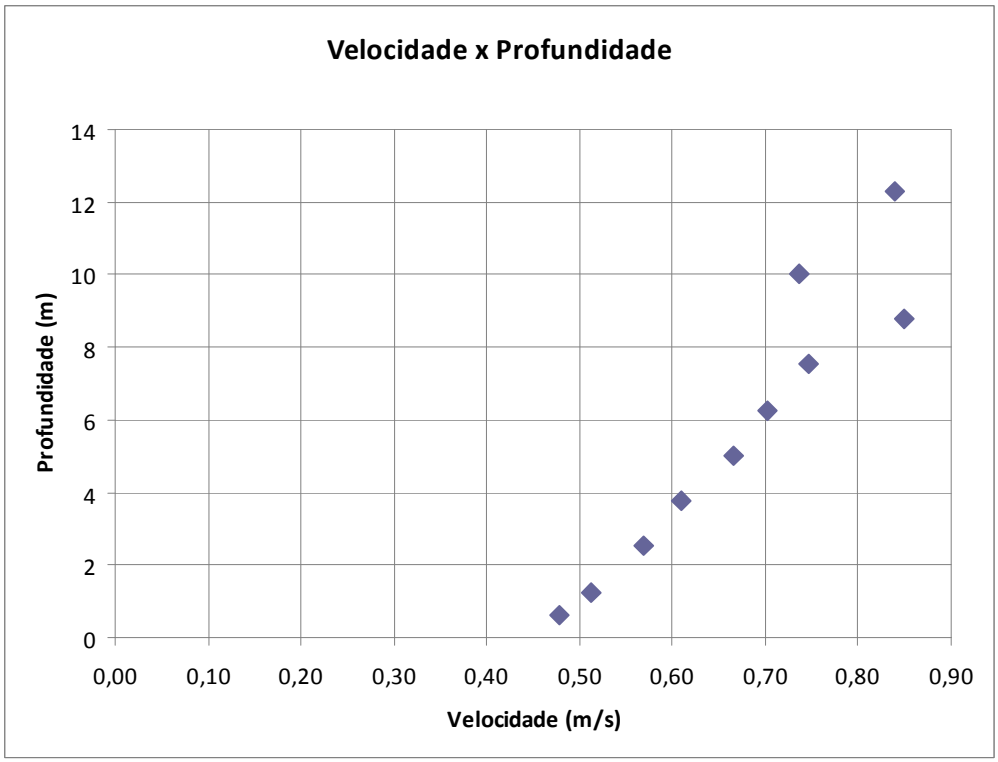
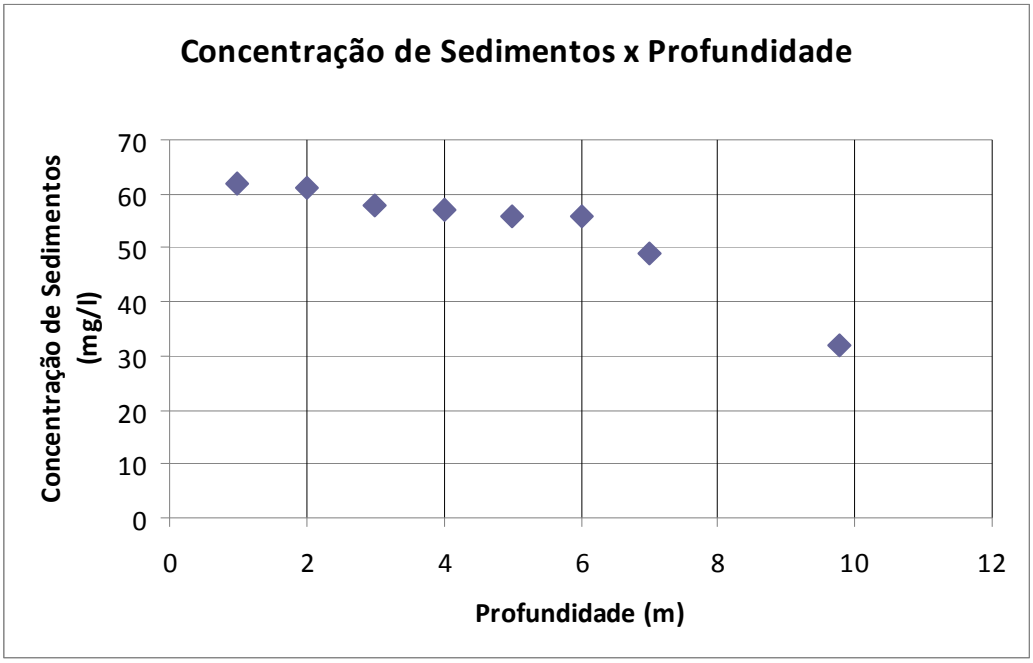


GRÁFICO 3-2 – Medidas de concentração de sedimentos e velocidades em função de variação da profundidade na seção 08, vertical 02

TABELA 3-3
Medidas de velocidades e sedimentos em suspensão na seção 08, vertical 03

RIO XINGU						
ESTRATIFICAÇÃO DE VELOCIDADES						
ESTRATIFICAÇÃO DE CONCENTRAÇÃO						
SEÇÃO 08			NÍVEL DAGUA	0,84		
VERTICAL 03		COORDENADAS				
		LESTE	NORTE			
		398643	9678200			
PROFUNDIDADE	PROF. (m)	ROTAÇÃO	VELOCIDADE	profundidades	CONCENTRAÇÃO	
TOTAL	10,01	(N)	(m/s)	(m)	GARRAFA	(mg/l)
				10,01		
0,2	2,002	156	0,81	9,76	1080	32
0,3	3,003	153	0,79	8,01		
0,4	4,004	154	0,80	7,01	145	49
0,5	5,005	148	0,77	6,01	200	56
0,6	6,006	142	0,74	5,01	158	56
0,7	7,007	144	0,75	4,00	718	57
0,8	8,008	142	0,74	3,00	709	58
0,9	9,009	109	0,57	2,00	131	61
0,95	9,5095	96	0,50	1,00	7	62
FUNDO - 0,25	9,76	72	0,38	0,50		



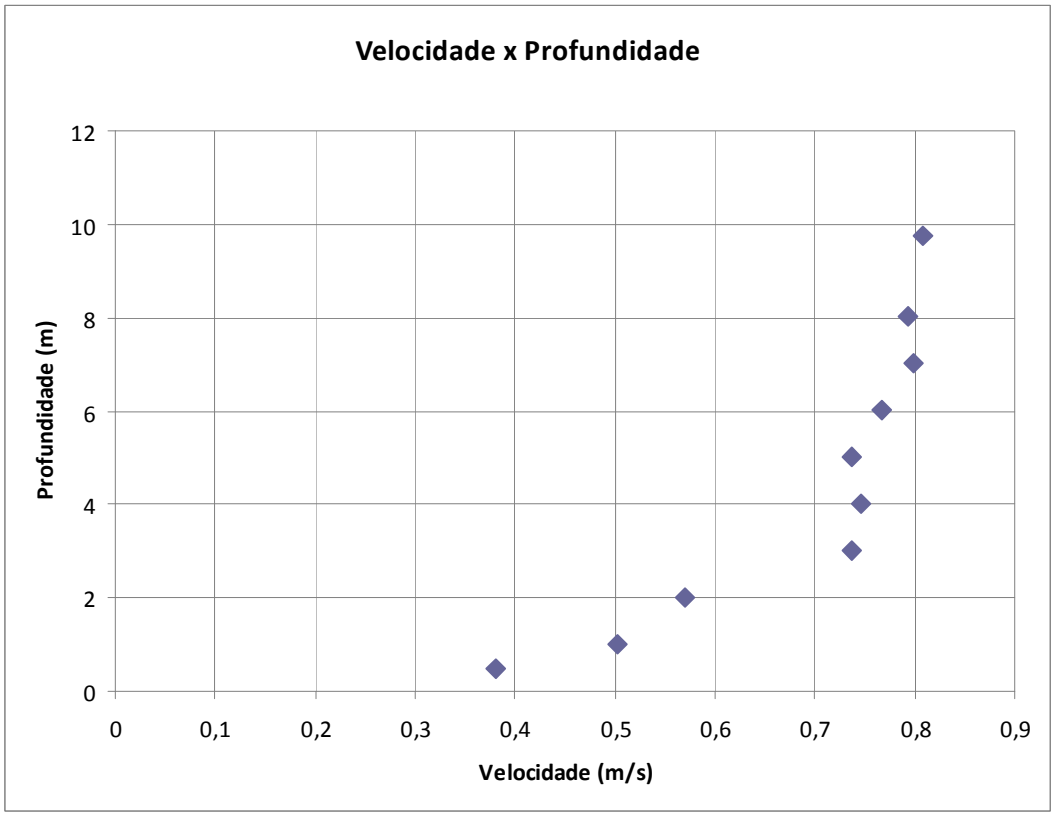
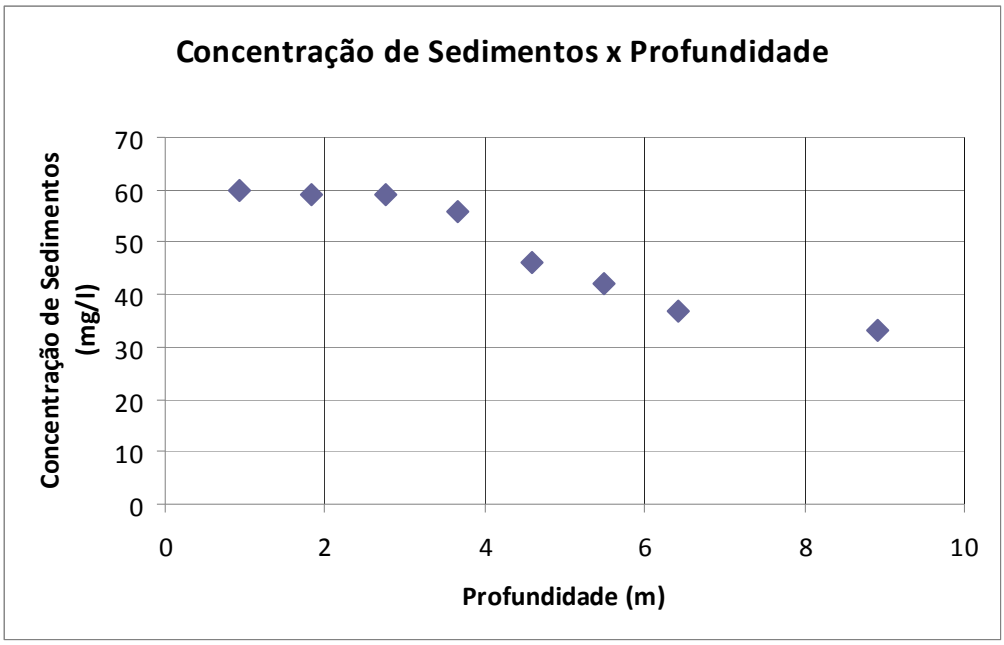


GRÁFICO 3-3 – Medidas de concentração de sedimentos e velocidades em função de variação da profundidade na seção 08, vertical 03

TABELA 3-4
Medidas de velocidades e sedimentos em suspensão na seção 08, vertical 04

RIO XINGU						
ESTRATIFICAÇÃO DE VELOCIDADES						
ESTRATIFICAÇÃO DE CONCENTRAÇÃO						
SEÇÃO 08			NÍVEL DAGUA	0,84		
VERTICAL 04		COORDENADAS				
		LESTE	NORTE			
		399083	9678366			
PROFUNDIDADE	PROF. (m)	ROTAÇÃO	VELOCIDADE	profundidades	CONCENTRAÇÃO	
TOTAL	9,17	(N)	(m/s)	(m)	GARRAFA	(mg/l)
				9,17		
0,2	1,83	123	0,64	8,92	1441	33
0,3	2,75	124	0,65	7,34		
0,4	3,67	110	0,57	6,42	42	37
0,5	4,59	107	0,56	5,50	294	42
0,6	5,50	102	0,53	4,59	199	46
0,7	6,42	78	0,41	3,67	43	56
0,8	7,34	50	0,27	2,75	41	59
0,9	8,25	42	0,23	1,83	40	59
0,95	8,71	37	0,20	0,92	201	60
FUNDO - 0,25	8,92	33	0,18	0,46		



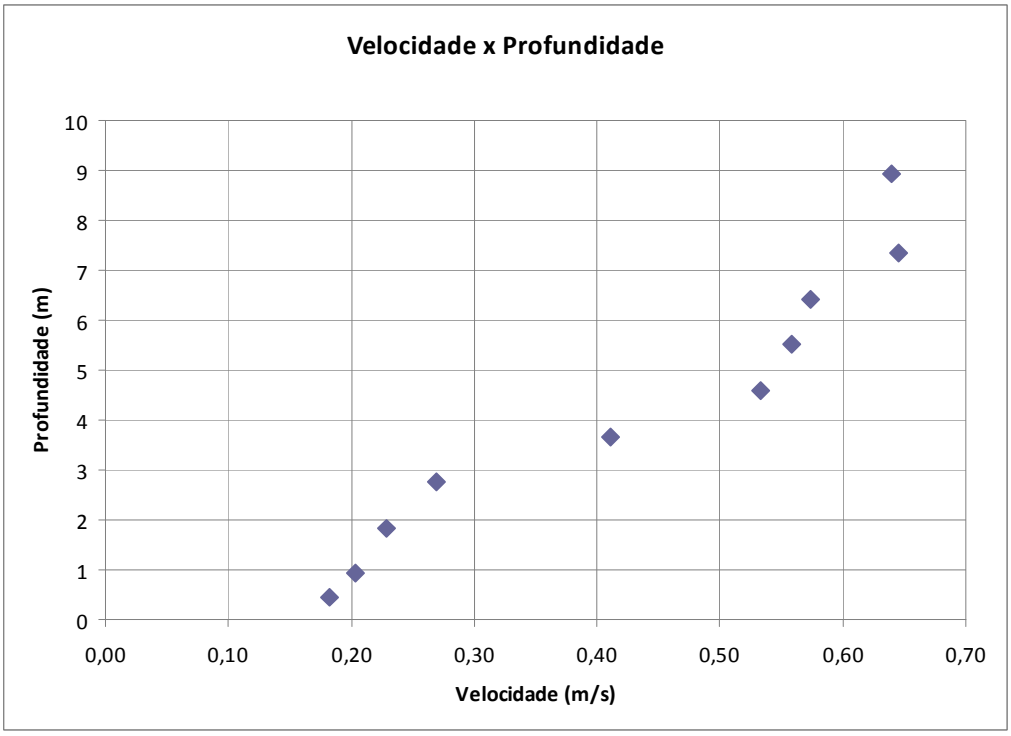
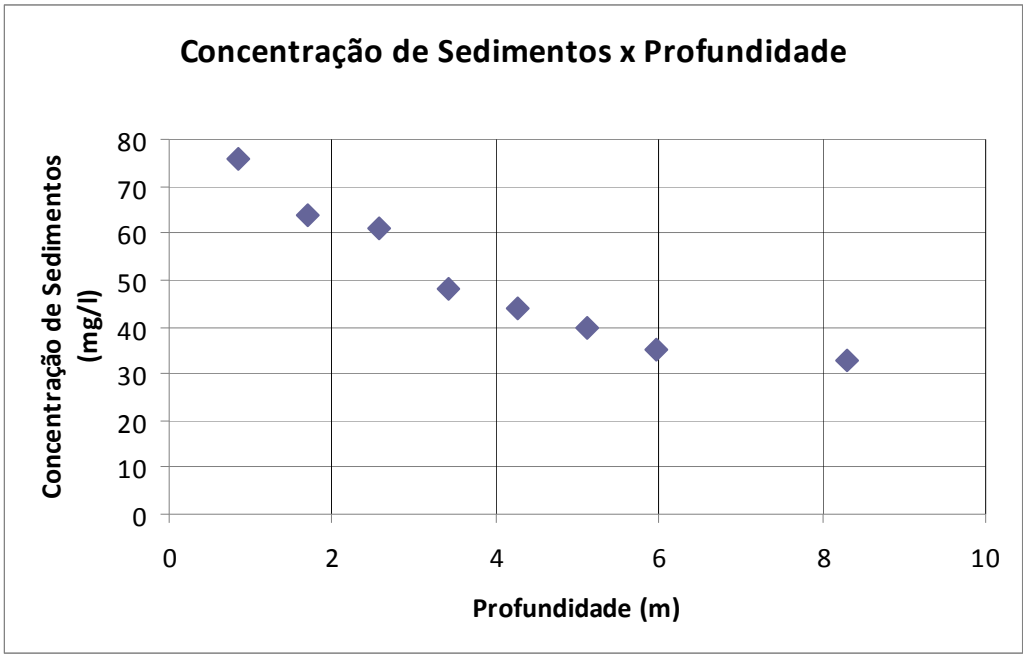


GRÁFICO 3-4 – Medidas de concentração de sedimentos e velocidades em função de variação da profundidade na seção 08, vertical 04

TABELA 3-5
Medidas de velocidades e sedimentos em suspensão na seção 08, vertical 05

RIO XINGU						
ESTRATIFICAÇÃO DE VELOCIDADES						
ESTRATIFICAÇÃO DE CONCENTRAÇÃO						
SEÇÃO 08			NÍVEL DAGUA	0,84		
VERTICAL 05		COORDENADAS				
		LESTE	NORTE			
		399538	9678576			
PROFUNDIDADE	PROF. (m)	ROTAÇÃO	VELOCIDADE	profundidades	CONCENTRAÇÃO	
TOTAL	8,54	(N)	(m/s)	(m)	GARRAFA	(mg/l)
				8,54		
0,2	1,71	138	0,72	8,29	166	33
0,3	2,56	121	0,63	6,83		
0,4	3,42	104	0,54	5,98	48	35
0,5	4,27	96	0,50	5,12	45	40
0,6	5,12	81	0,43	4,27	161	44
0,7	5,98	75	0,40	3,42	47	48
0,8	6,83	68	0,36	2,56	37	61
0,9	7,69	54	0,29	1,71	39	64
0,95	8,11	51	0,27	0,85	44	76
FUNDO - 0,25	8,29	45	0,24	0,43		
FUNDO - 0,25						



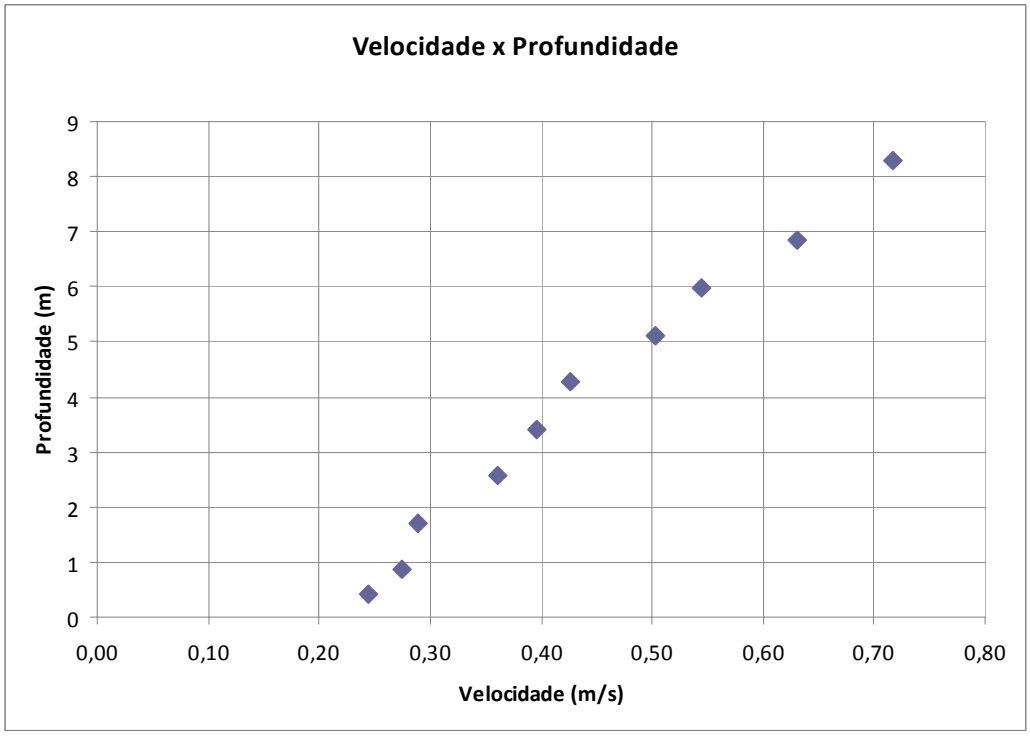


GRÁFICO 3-5 – Medidas de concentração de sedimentos e velocidades em função de variação da profundidade na seção 08, vertical 05

TABELA 3-6
Valores de velocidade média nas seções

RIO XINGU				
ESTRATIFICAÇÃO DE VELOCIDADES				
ESTRATIFICAÇÃO DE CONCENTRAÇÃO				
seção	rotações			velocidade média (m/s)
	(N1)	(N2)	(N3)	
12	120	56	110	0,50
13	89	95	92	0,48
14	70	58	35	0,29
15	67	65	63	0,35

4. modelagem Matemática

4.1 Modelo Hec-Ras

O Sistema HEC-RAS reúne quatro modelos unidimensionais que tratam do escoamento permanente gradualmente variado, escoamento não permanente (modelo hidrodinâmico), análise de transporte de sedimentos e qualidade da água. Estes modelos são integrados e utilizam a mesma base de informações para a caracterização da geometria das seções, posicionamento, e outras informações que podem ser utilizadas em comum a todos os modelos, dando-lhe com isto grande versatilidade na sua utilização.

A Figura a seguir mostra o painel principal do projeto Xingu que resultou na modelagem do trecho de interesse. Os botões na parte superior deste painel habilitam as principais ações tais como a inserção da geometria, dados para a modelação hidrodinâmica em regime permanente, não permanente e quase permanente, dados para a caracterização sedimentométrica, entre outros. Os botões mais a direita apresentam os resultados na forma gráfica, com possibilidade de animação, ou na forma de tabela com a possibilidade de escolha dos dados de saída.

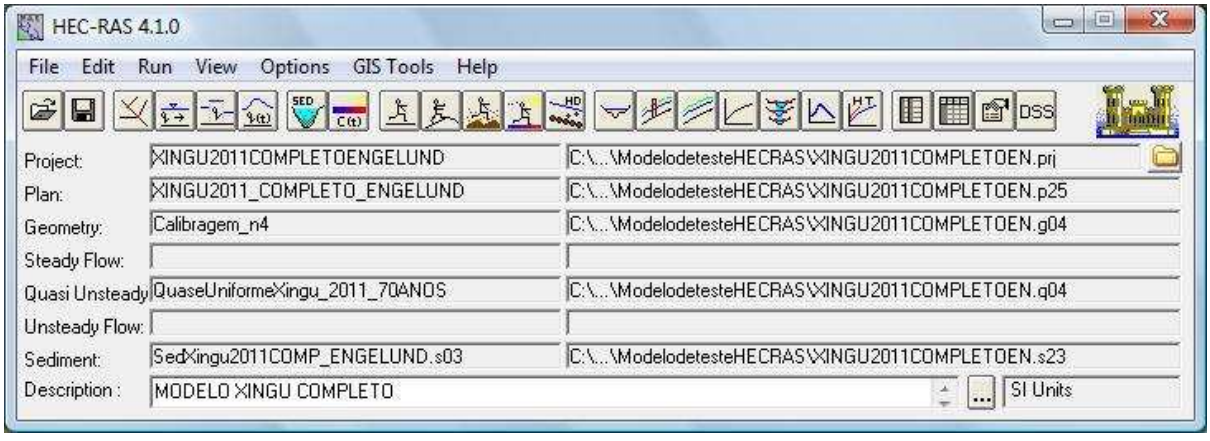


FIGURA 4-1 - Painel principal do modelo HEC-RAS

Na **FIGURA 4-2** há a identificação dos seguintes arquivos:

- Projeto arquivo mestre que engloba os demais (primeira linha-caixa à esquerda) com o respectivo endereço (caixa a direita);
- Plano, correspondente à aplicação do modelo (“rodar o modelo”);
- Geometria, arquivo com todos os dados das seções, posicionamento, fator de resistência de Manning já calibrado para cada seção.

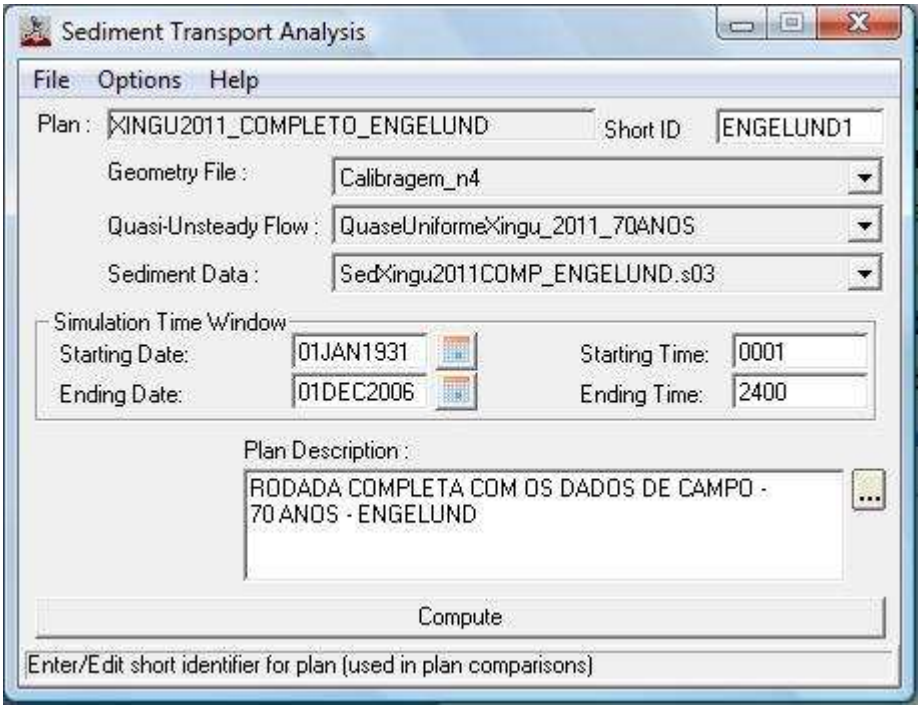


FIGURA 4-2 - Painel do arquivo de Plano do modelo HEC-RAS

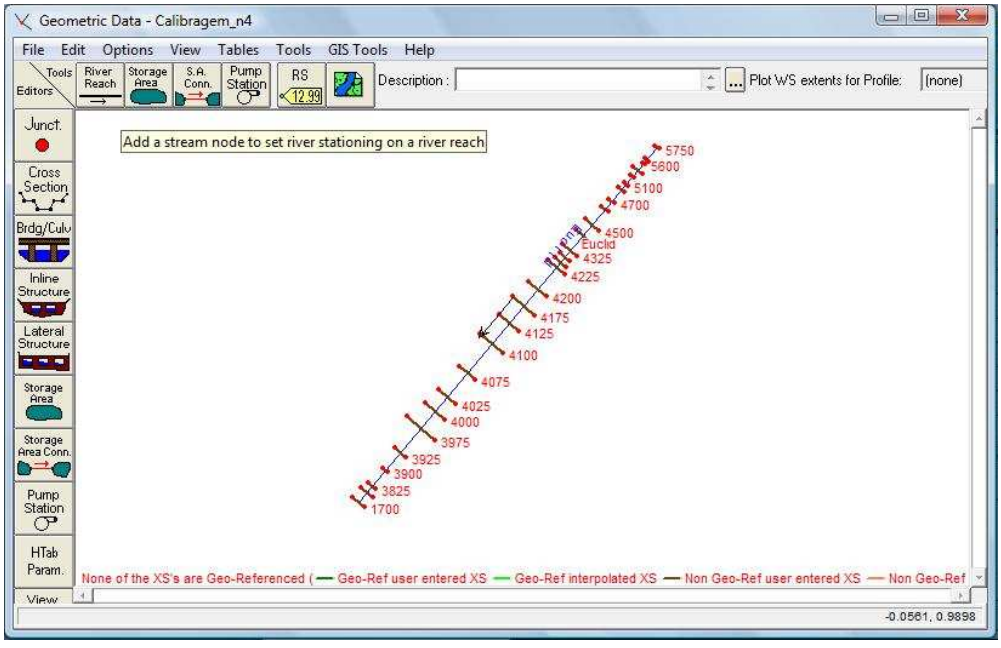


FIGURA 4-3 - Painel do arquivo de dados Geométricos (Topologia)

O arquivo de dados Geométricos apresenta uma ampla possibilidade de inserções tais como afluências, bifurcações, introdução de estruturas. A principal refere-se à inserção das seções de cálculo apresentado no painel da **FIGURA 4-4**.

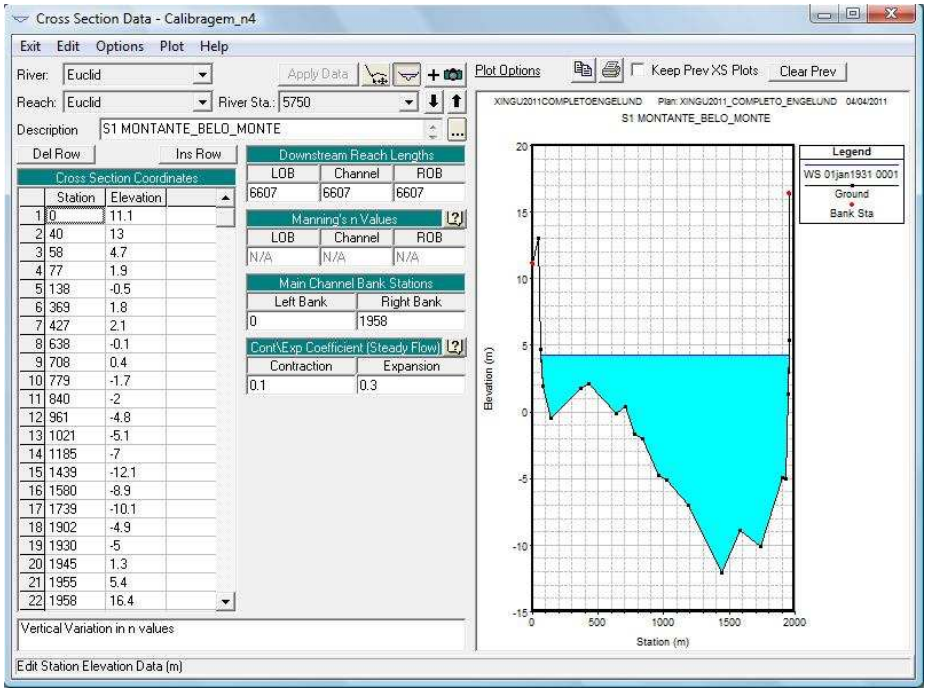


FIGURA 4-4 - Painel de inserção de dados geométricos das seções de cálculo

Na **FIGURA 4-5** tem-se as condições do regime Quase Permanente, arquivo dos dados necessários aos cálculos hidrodinâmicos contendo a série de vazões, temperaturas e condição de fronteira a jusante na condição de regime quase permanente, aplicável à modelação sedimentológica:

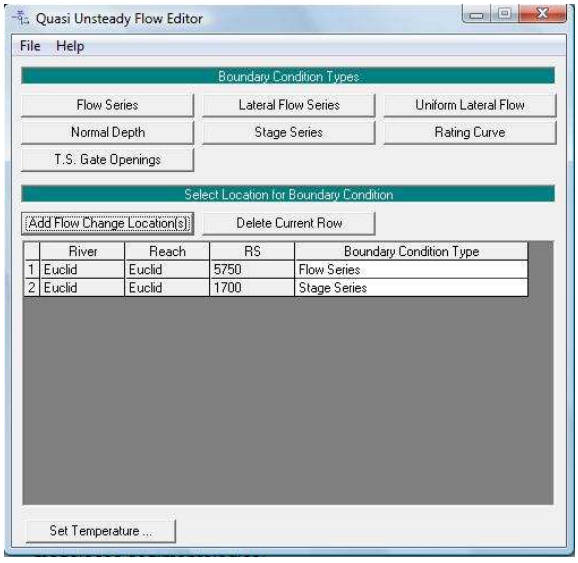


FIGURA 4-5 - Painel de inserção da série de vazões e níveis

A tela da **FIGURA 4-6** mostra a entrada de dados que possibilita a série histórica de dados de vazões seja discretizada em passos (time step) que variáveis em função da capacidade de transporte sólido de vazão considerada. Assim sendo, as vazões mais elevadas, com maior capacidade de transporte tem incrementos de tempo (time step) menores no cálculo das variações do leito ao contrário do que ocorre com as vazões menores.

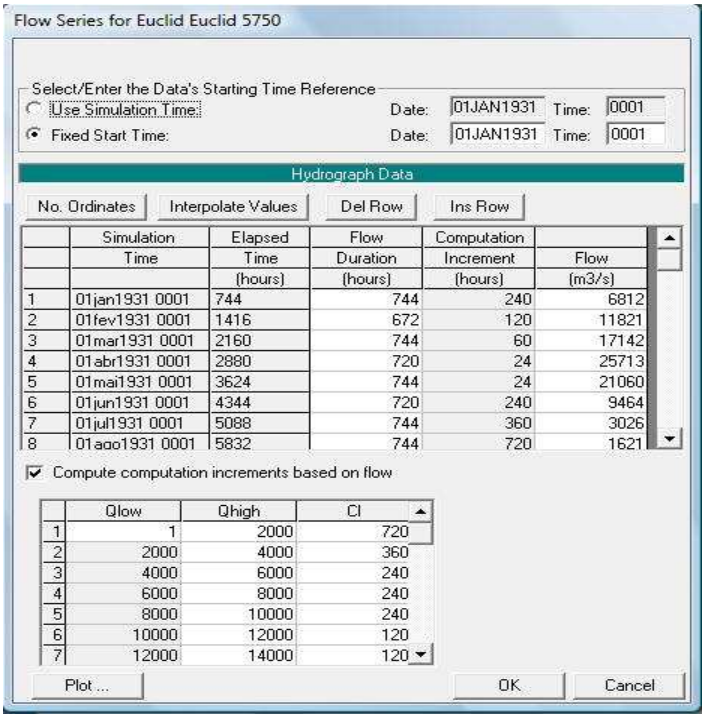


FIGURA 4-6 - Painel de inserção de vazões com variação nos incrementos de tempo no cálculo da variação do leito

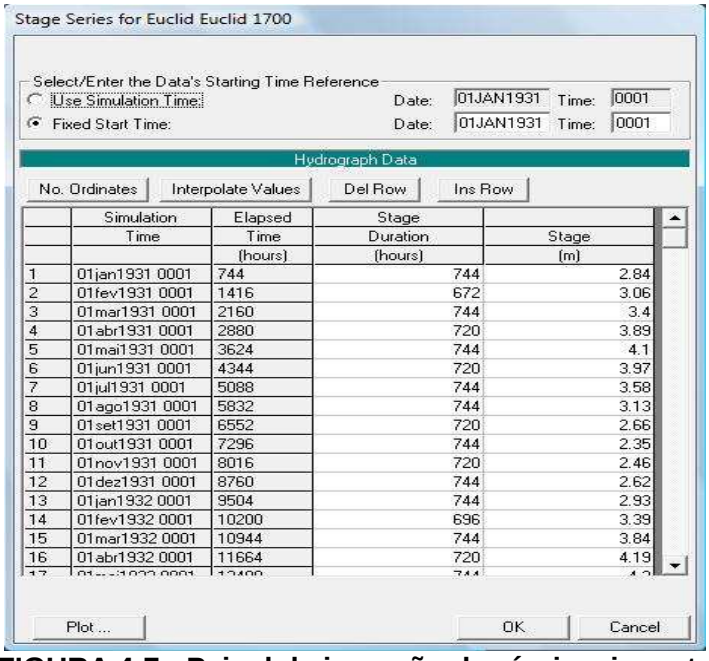
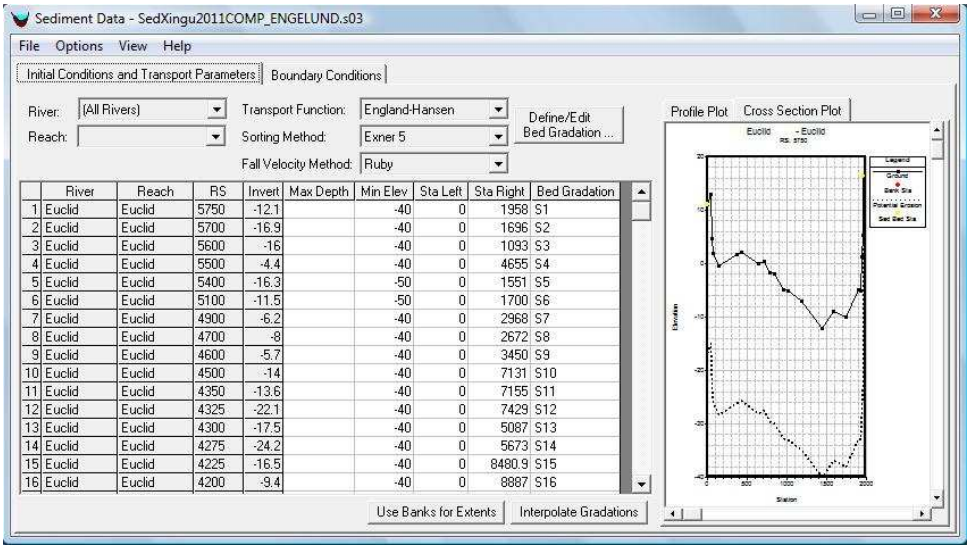


FIGURA 4-7 - Painel de inserção de níveis a jusante

FIGURA 4-8, sedimento, arquivo que contém os dados sedimentométricos e opções de métodos de cálculo da capacidade de transporte sólido, equações para as considerações quanto ao efeito de pavimentação do leito e equações que definem a velocidade de queda do sedimento. Existem ainda opções para a inserção de outras características tais como o peso específico do sedimento, profundidade máxima de erosão, calibração de equações.

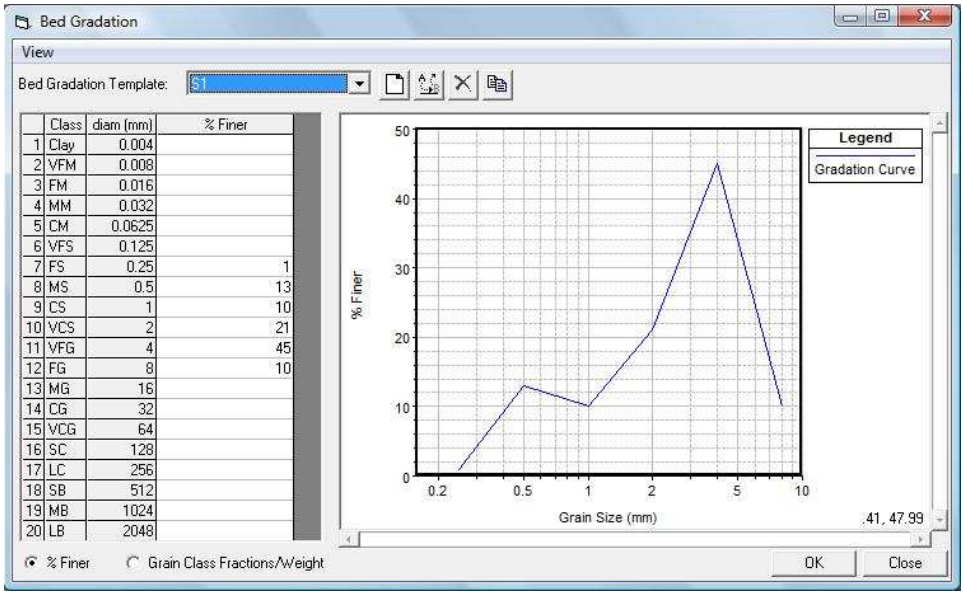
No caso da análise de transporte sólido, que é o interesse principal deste trabalho, o modelo permite trabalhar com até sete equações de transporte sólido não coesivo (Engelund-Hansen, Ackers-White, Yang, Toffaleti, Laursen, Meyer-Peter e Muller, Wilcock), algumas das quais podendo ter seus parâmetros ajustados no caso de haver necessidade de aferição. Além destas equações o modelo também permite tratar do transporte sólido de sedimentos coesivos, se for o caso.



	River	Reach	RS	Invert	Max Depth	Min Elev	Sta Left	Sta Right	Bed Gradation
1	Euclid	Euclid	5750	-12.1		-40	0	1958	S1
2	Euclid	Euclid	5700	-16.9		-40	0	1696	S2
3	Euclid	Euclid	5600	-16		-40	0	1093	S3
4	Euclid	Euclid	5500	-4.4		-40	0	4655	S4
5	Euclid	Euclid	5400	-16.3		-50	0	1551	S5
6	Euclid	Euclid	5100	-11.5		-50	0	1700	S6
7	Euclid	Euclid	4900	-6.2		-40	0	2968	S7
8	Euclid	Euclid	4700	-8		-40	0	2672	S8
9	Euclid	Euclid	4600	-5.7		-40	0	3450	S9
10	Euclid	Euclid	4500	-14		-40	0	7131	S10
11	Euclid	Euclid	4350	-13.6		-40	0	7155	S11
12	Euclid	Euclid	4325	-22.1		-40	0	7429	S12
13	Euclid	Euclid	4300	-17.5		-40	0	5087	S13
14	Euclid	Euclid	4275	-24.2		-40	0	5673	S14
15	Euclid	Euclid	4225	-16.5		-40	0	8480.9	S15
16	Euclid	Euclid	4200	-9.4		-40	0	8887	S16

FIGURA 4-8 - Painel de inserção dos dados sedimentométricos

FIGURA 4-9, existe a opção de definir a granulometria de fundo em cada seção de cálculo, a série de vazões na seção de montante e correspondente granulometria do material transportado.



	Class	diam (mm)	% Finer
1	Clay	0.004	
2	VFM	0.008	
3	FM	0.016	
4	MM	0.032	
5	CM	0.0625	
6	VFS	0.125	
7	FS	0.25	1
8	MS	0.5	13
9	CS	1	10
10	VCS	2	21
11	VFG	4	45
12	FG	8	10
13	MG	16	
14	CG	32	
15	VCG	64	
16	SC	128	
17	LC	256	
18	SB	512	
19	MB	1024	
20	LB	2048	

FIGURA 4-9 - Painel de inserção da granulometria de fundo

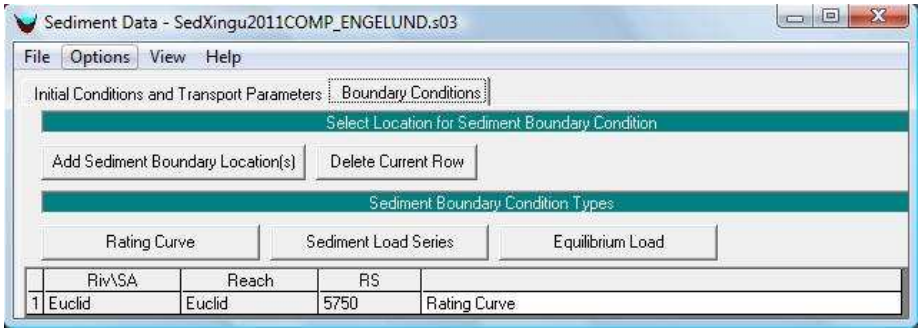


FIGURA 4-10 - Painel de inserção das condições de fronteira, no caso foi utilizada vazão sólida nula a montante.

Mais detalhes das opções de cálculo podem ser consultadas nos arquivos disponibilizados na página da instituição (www.hec.usace.army.mil).

4.2 Descrição dos Princípios de Modelagem

Na análise sedimentológica, o modelo HEC-RAS considera o escoamento como sendo quase permanente, ou seja, dentro de intervalos de tempo pré-definidos considera-se que não haja variação temporal das características hidráulicas. A capacidade de transporte sólido ao longo do curso d'água é calculada para estas condições de escoamento em regime permanente a cada intervalo de tempo.

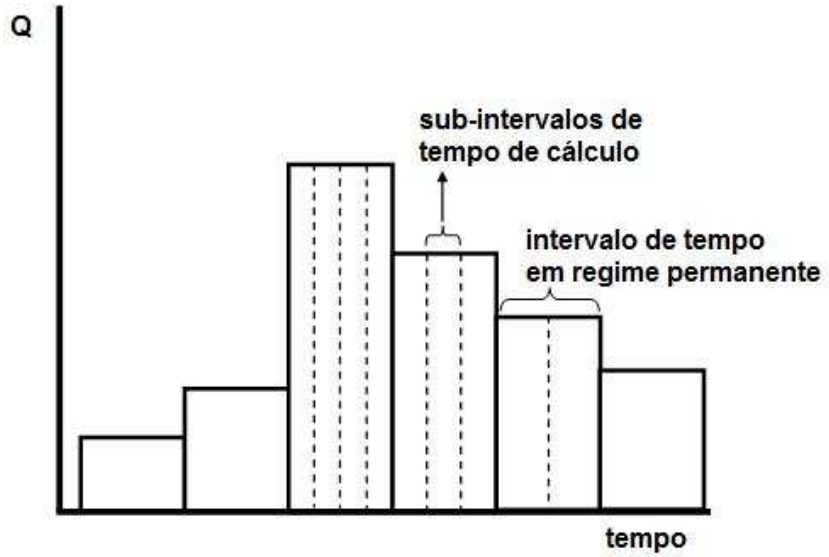


FIGURA 4-11 - Esquema de discretização da vazão ao longo do tempo
(Figura extraída do Reference Manual – HEC-RAS)

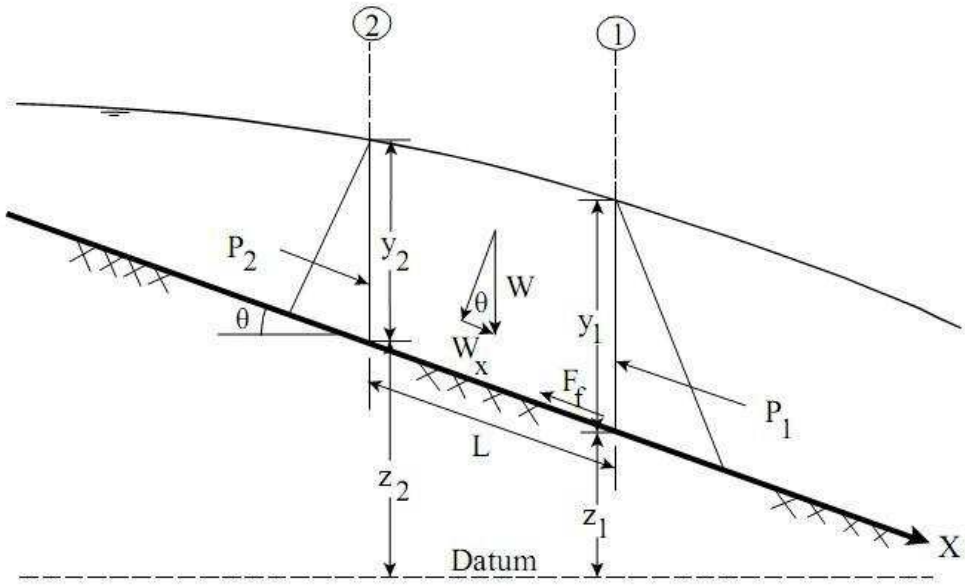
Os intervalos de tempo podem ser subdivididos em intervalos menores para considerar as variações das características hidráulicas decorrentes das mudanças do leito, porém mantendo a invariabilidade das condições no tempo. Assim sendo, nas vazões de cheias, quando a capacidade de transporte sólido é mais significativa, estes intervalos são menores no período de estiagem estes intervalos podem ser ampliados (ver ilustração da **FIGURA 4-11**). Nas aplicações ao Xingu foram considerados intervalos mensais, utilizando a vazão média do período (ver dados em anexo). Os subintervalos adotados foram os seguintes:

TABELA 4-1
Subintervalos de tempo considerados

Q (m^3/s)	dt (horas)
10.000 a 14.000	120
14.000 a 20.000	60
20.000 a 40.000	24

Será visto mais adiante que os resultados de cálculo apresentaram variações discretas no trecho de montante e, portanto não houve necessidade de ajustes nestes intervalos de tempo adotados.

O cálculo da fase líquida é feito pela aplicação do princípio da conservação da quantidade de movimento, conforme o seguinte esquema de cálculo:



$$\frac{Q_2^2 \beta_2}{g A_2} + A_2 \overline{Y}_2 + \left(\frac{A_1 + A_2}{2}\right) L S_0 - \left(\frac{A_1 + A_2}{2}\right) L \overline{S}_f = \frac{Q_1^2 \beta_1}{g A_1} + A_1 \overline{Y}_1$$

FIGURA 4-12 - Esquema de cálculo com o uso da equação da conservação da quantidade de movimento
(Figura extraída do Reference Manual – HEC-RAS)

Na equação da conservação da quantidade de movimento da **FIGURA 4-12** as simbologias são as seguintes:

Q1 e Q2 são as vazões nas seções de saída (1) e entrada (2);

β – coeficiente de Boussinesq;

A – área da seção de escoamento;

Y – profundidade de escoamento;

L – distância entre as seções;

So – declividade do leito;

Sf – declividade da linha de energia.

O balanço de massa de sedimentos transportado no volume de controle que abrange uma determinada seção é feito de acordo com o seguinte esquema:

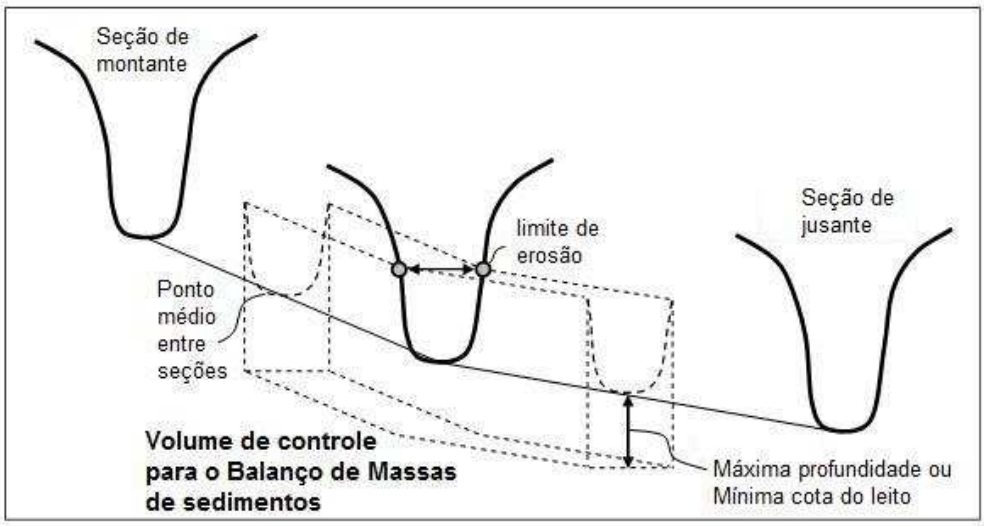


FIGURA 4-13 - Esquema de cálculo do balanço de massa de sedimentos
(Figura extraída do Reference Manual – HEC-RAS)

Da diferença entre a vazão sólida procedente do trecho de montante e da capacidade do trecho onde está sendo feito o cálculo ocorrerá a modificação do leito produzindo rebaixamento (erosão) ou elevação (assoreamento) entre os pontos definidos como limites de erosão, conforme o esquema da **FIGURA 4-14**.

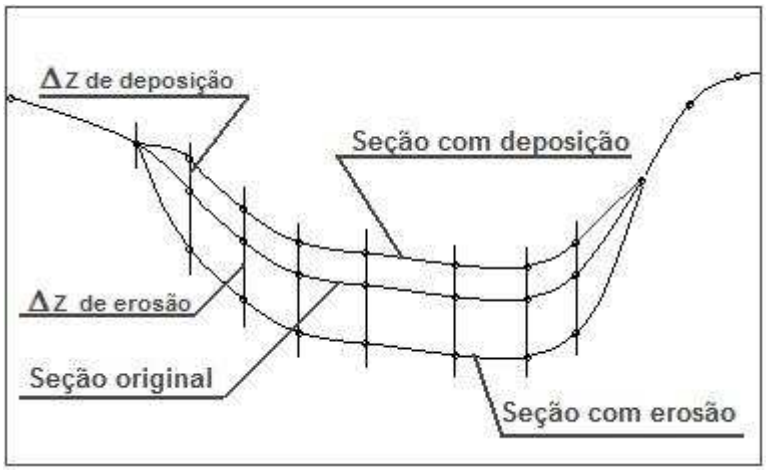


FIGURA 4-14 - Esquema da variação do leito numa dada seção
(Figura extraída do Reference Manual – HEC-RAS)

Detalhes sobre os métodos de cálculo de capacidade de transporte sólido ou opções de cálculos podem ser vistos na página da instituição (www.hec.usace.army.mil).

4.3 Considerações para a Modelagem

A extensão de modelagem do rio Xingu é de cerca de 185 km entre a primeira seção a jusante do aproveitamento (seção 1) e a foz (seção 28 – ver item 2). Procurou-se posicionar as 28 seções em locais próximos aos utilizados nos estudos do EIA/RIMA, aproveitando os mesmos critérios de escolha da época e também para possibilitar uma análise comparativa com os resultados anteriores.

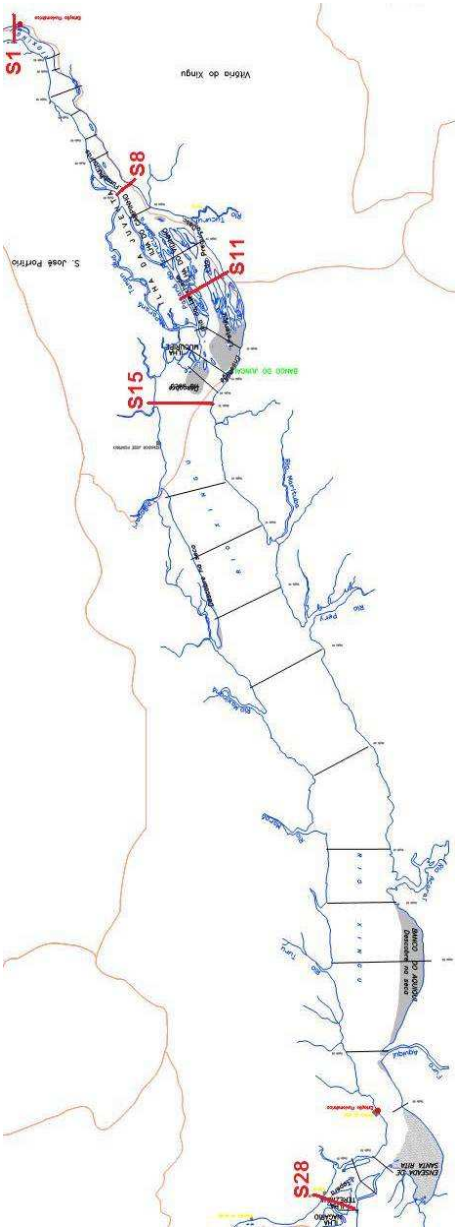


FIGURA 4-15 - Seções de Cálculo no rio Xingu

TABELA 4-2
Posição das seções

Seção	x (Km)
1	0.0
2	6.6
3	8.5
4	11.9
5	15.1
6	19.2
7	22.2
8	28.0
9	32.0
10	40.2
11	45.9
12	53.5
13	56.9
14	59.7
15	67.4
16	75.1
17	83.7
18	92.7
19	103.3
20	118.4
21	130.9
22	138.4
23	147.1
24	159.7
25	168.8
26	177.1
27	180.3
28	185.3

As seções 11 e 15 delimitam o trecho que compreendem a região dos bancos de areia Juncal e da Ilha S. Cosme. Este trecho se estende aproximadamente entre 46 Km e 67 Km a jusante da seção 1. A seção 8 indica o local onde foram feitos levantamentos adicionais de distribuição de concentrações e velocidades.

Como condição de fronteira da seção de montante (seção 1) adotou-se uma série de vazões médias mensais do período compreendido entre janeiro de 1931 e dezembro de 2006, perfazendo um total de 75 anos. A condição de fronteira de jusante (seção 28) são os níveis d'água correspondentes às vazões médias mensais de montante.

Adotando um critério conservativo considerou-se o escoamento sem influência de maré, portanto sem inversão de correntes e a retenção de todos os sedimentos no reservatório do aproveitamento. Na primeira consideração as correntes alcançam os maiores valores de tensão sobre o leito uma vez que não ocorrerão situações de estagnação ou inversão de correntes. Na segunda o potencial erosivo fica maximizado uma vez que não haverá qualquer suprimento de sedimentos na seção 1 de montante.

Na modelação foram utilizadas as granulometrias de cada seção. O modelo, conforme já foi visto, permite considerar a distribuição granulométrica dos sedimentos nos cálculos de capacidade de transporte sólido, não ficando restrito a apenas um diâmetro significativo. Para melhor visualizar a faixa de variação da distribuição granulométrica, apresentam-se na **FIGURA 4-16** as curvas que representam a envoltória granulométrica de todo o trecho modelado. Observa-se nesta Figura que a seção 1 apresenta uma granulometria na faixa das areias grossas (d50 = 2,0 mm) que se destaca em relação às demais ao longo de toda a extensão estudada. Há uma predominância maior das areias finas na faixa com d50 da ordem de 0,2 mm 0,4 mm. Em algumas seções do trecho intermediário a jusante da seção 16 apresentam granulometrias notadamente mais finas devido a sua baixa capacidade de transporte.

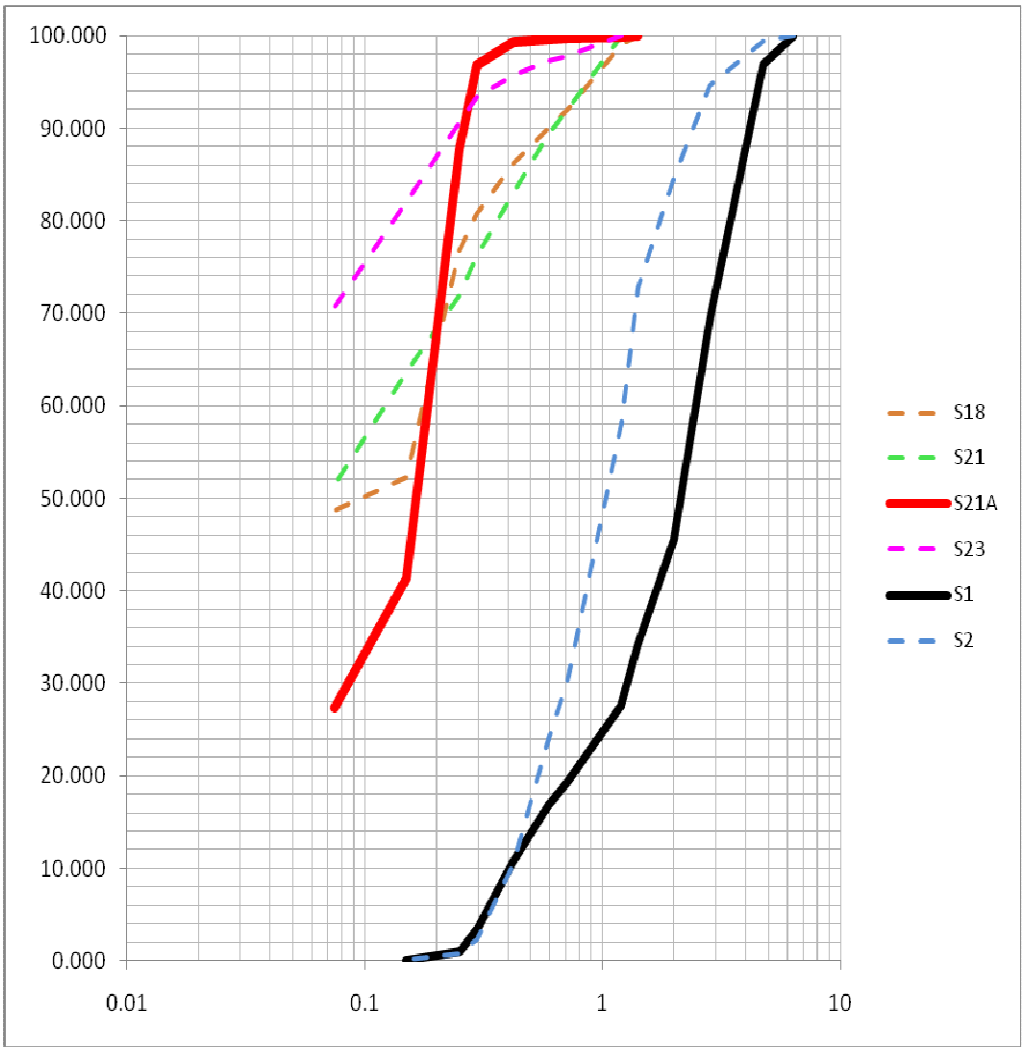


FIGURA 4-16 - Envoltórias das curvas granulométricas em toda a extensão

No trecho superior, entre as seções 1 e 16, que compreende a região dos bancos de Juncal e Ilha S. Cosme a granulometria varia gradualmente da areia grossa à areia fina como pode-se observar na **FIGURA 4-17** com d50 variando entre 2,0 mm da seção 1 a 0,2 mm na seção 14, região dos bancos.

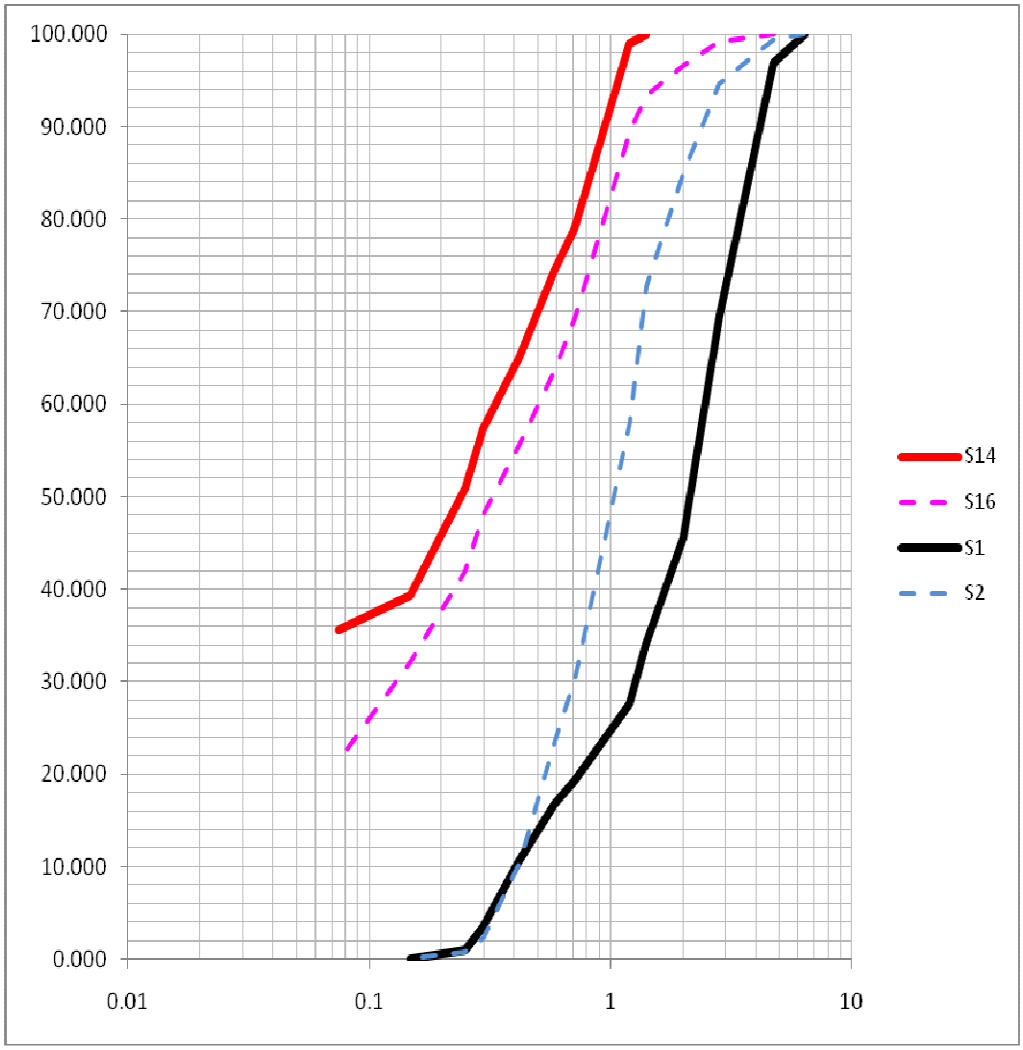


FIGURA 4-17 - Envoltórias das curvas granulométricas da seção 1 à seção 16

A **FIGURA 4-18** mostra a variação do diâmetro mediano d50 entre as seções 1 e 16, trecho de maior interesse ao estudo. Pode-se verificar um decaimento das dimensões dos grãos, devido à seleção granulométrica natural que ocorre com o decaimento da capacidade de transporte.

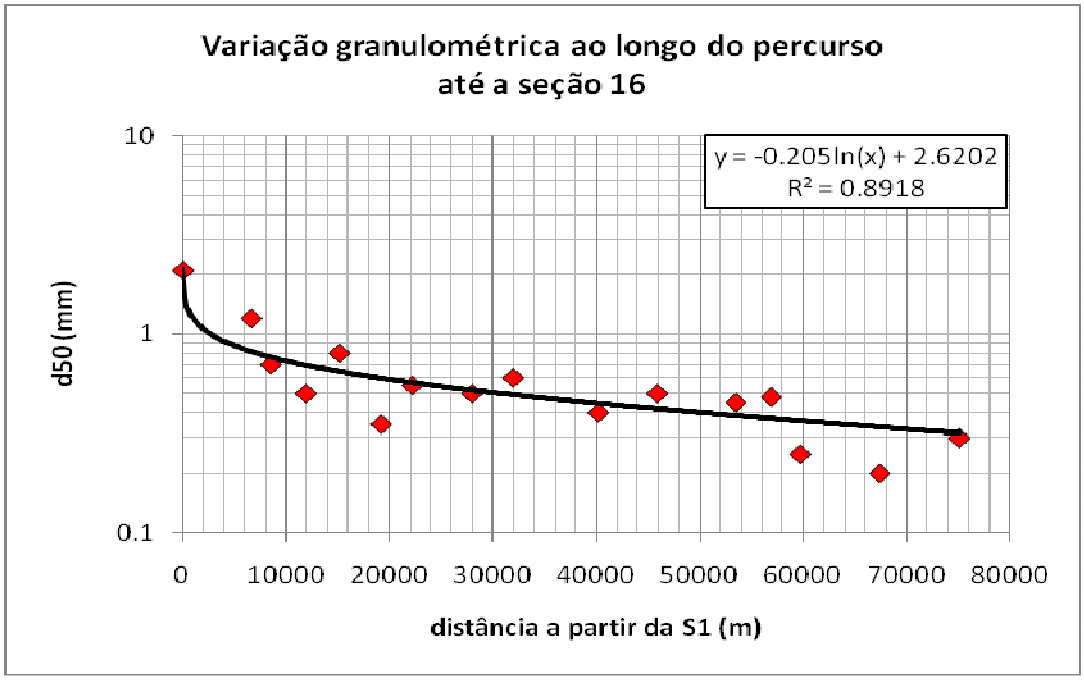


FIGURA 4-18 - Variação do d50 até a seção 16

5. Resultados das Simulações

5.1 Calibração

Antes de dar início à modelagem sedimentológica foi necessário realizar a aferição hidráulica do modelo matemático (HEC-RAS 4.1) através do ajuste dos coeficientes de rugosidade de Manning até que os níveis d'água simulados coincidissem com os valores conhecidos a partir da curva-chave de montante em Belo Monte.

Os dados básicos utilizados na aferição do modelo foram as vazões no rio Xingu, abrangendo toda a gama de interesse, os níveis d'água na foz do Xingu e na seção correspondente ao Canal de Fuga da Casa de Força Principal da AHE Belo Monte (Boca do Santo Antonio). Os **GRÁFICOS 5-1 a 5-3**, mostram os dados básicos utilizados.

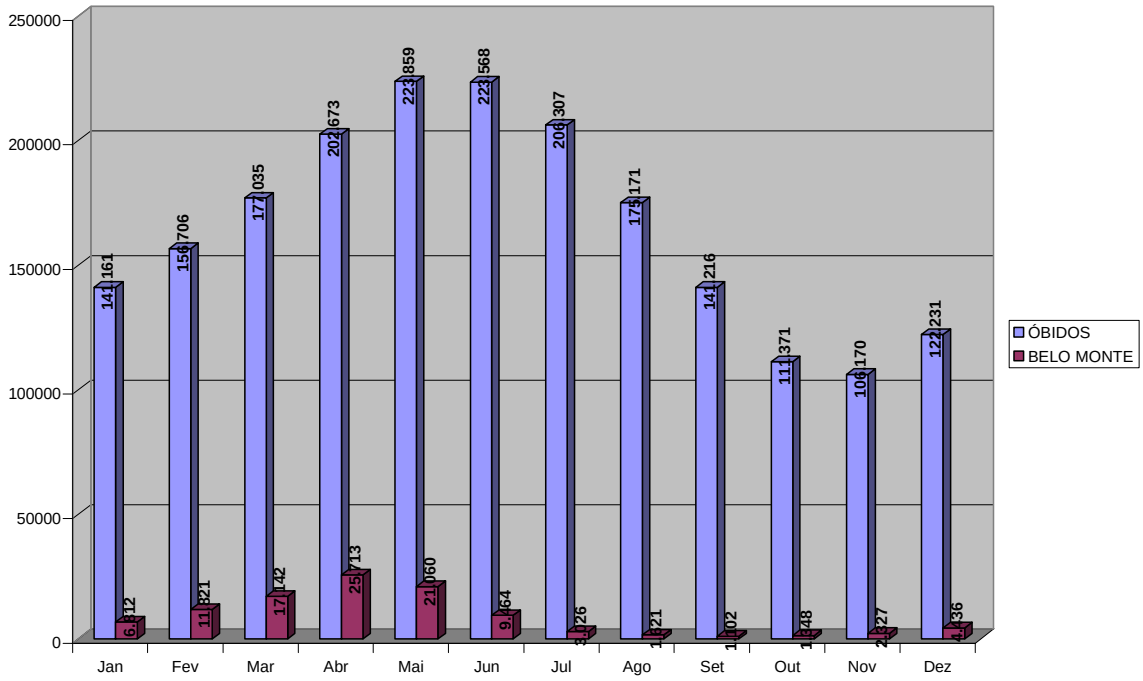


GRÁFICO 5-1 – Vazões (m^3/s) Mensais Típicas em Óbidos e Belo Monte

Conforme se verifica no Gráfico acima as vazões do rio Amazonas são de ordem de 10 vezes as do rio Xingu nas cheias e de ordem de 100 vezes na estiagem. Ou seja, o nível d'água em Porto de Moz depende fundamentalmente da vazão do Amazonas.

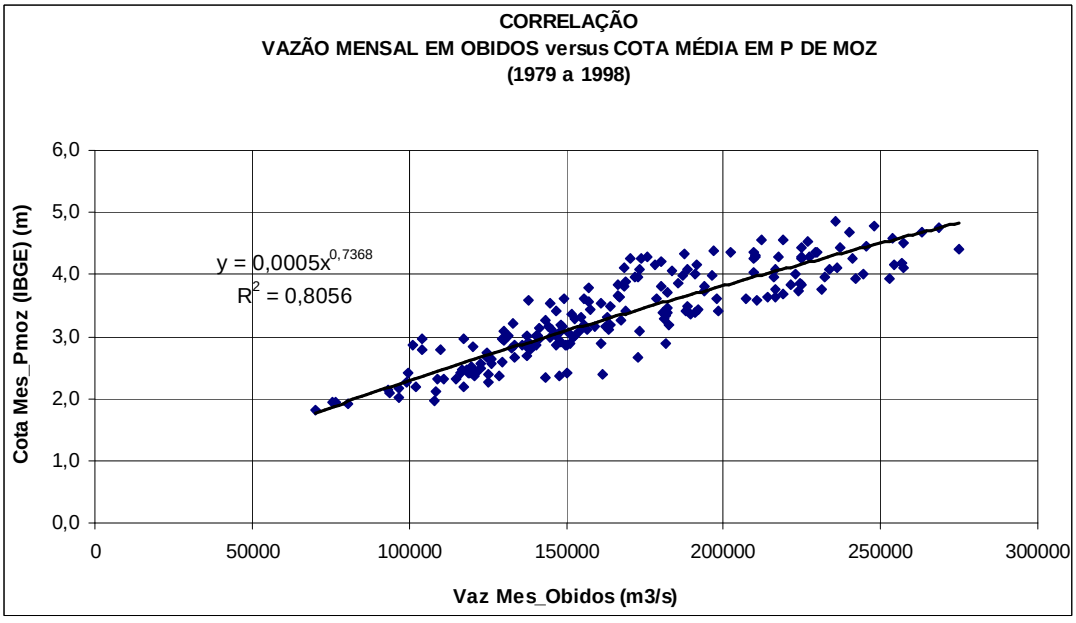


GRÁFICO 5-2 – Curva-chave em Porto de Moz

Observação: correlação obtida utilizando-se as vazões médias mensais de Óbidos e níveis médios mensais de Porto de Moz no período de 1979 a 1998; cotas na referência do IBGE.

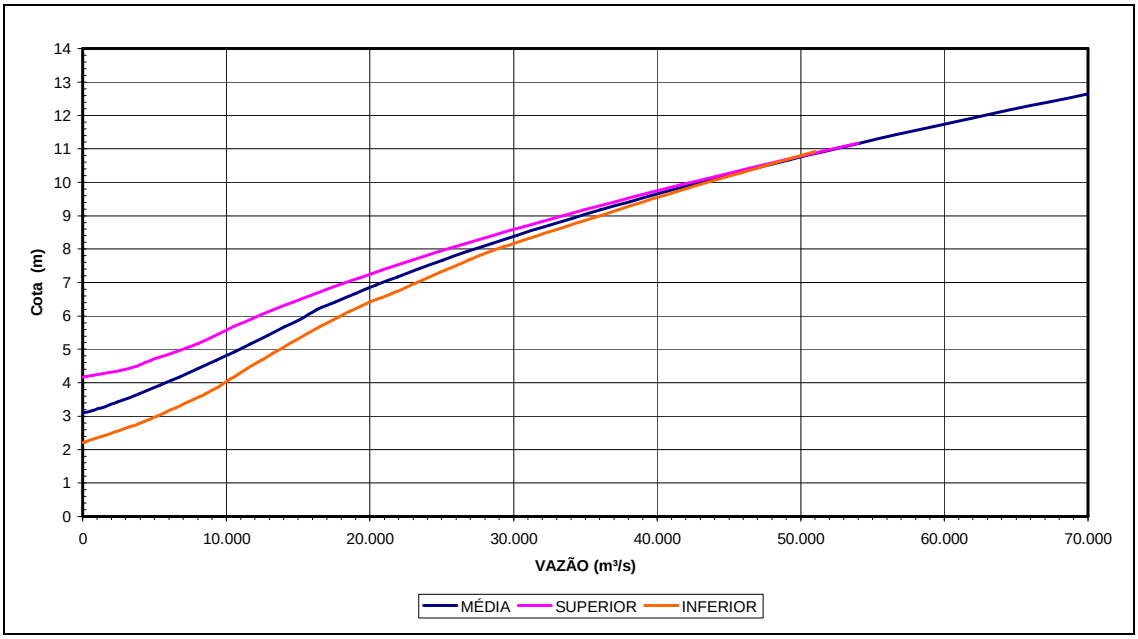


GRÁFICO 5-3 – Curva-chave em Belo Monte (Boca de Santo Antonio)

Observação: Curva chave obtida dos Estudos de Viabilidade da AHE Belo Monte; cotas na referencia do IBGE

O processo de calibragem se iniciou a partir da escolha nas séries históricas de vazões típicas em Óbidos, no Amazonas e Belo Monte no Xingu (**GRÁFICO 5-1**), que fossem representativas das vazões médias mensais nestes dois locais. Em seguida, com a correlação das vazões em Óbidos e cotas em Porto Moz (**GRÁFICO 5-2**), foi possível definir os níveis de jusante na foz do Xingu.

A aferição da ria do Xingu foi o resultado do ajuste das rugosidades de Manning no modelo matemático de forma a reproduzir os níveis de montante observados em Belo Monte (**GRÁFICO 5-3**). As **TABELAS 5-1 e 5-2** apresentam o ajuste final do coeficiente de Manning entre as seções S1 a S28. A **TABELA 5-3** mostra o resultado desta aferição.

TABELA 5-1
Manning Calibrado - Seções S1 a S11

Cota (m)	n
0,00	0,055
3,50	0,045
3,90	0,035
4,90	0,030
5,00	0,030
6,00	0,025
7,00	0,025

TABELA 5-2
Manning Calibrado - Seções S12 a S28

Cota (m)	n
0,00	0,055
2,90	0,045
3,00	0,035

TABELA 5-3
Resultados da Aferição

Vazão	Cota (m)		DIFERENÇA
(m3/s)	OBSERVADO	AFERIÇÃO	(m)
1.328	3,20	3,13	0,07
9.209	4,80	4,76	0,04
13.885	5,45	5,6	-0,15
18.273	6,3	6,45	-0,15
19.343	6,60	6,65	-0,05

5.2 Avaliação do Potencial de Erosão

Fazendo-se as simulações, atendendo aos critérios vistos anteriormente, foram obtidas as variações dos perfis de fundo. Estas variações são apresentadas na **TABELA 5-4**. e **FIGURA 5-1**. A **TABELA 5-2** e **FIGURA 5-2** apresentam as respectivas variações do leito em relação a posição original. Os valores desta última tabela correspondem às diferenças entre os valores da cota de fundo após o período de simulação (75 anos) e a cota original. Assim sendo, valores negativos são referentes a processos erosivos e os positivos a processos de assoreamento. Foram utilizados todos os métodos disponíveis para a modelação a menos os de Meyer-Peter e Muller e de Wilcock por não terem apresentado alterações de leito em simulações realizadas previamente.

TABELA 5-4
Profundidade máxima em cada seção na condição original e após simulação de 75 anos para cada um dos métodos (cotas em metros)

SEÇÃO	ORIGINAL	ENGELUND	ACKERS	YANG	TOFFALETI	LAURSEN
1	-12.1	-13.3	-12.1	-12.1	-12.1	-12.1
2	-16.1	-17.7	-16.9	-16.9	-16.9	-16.9
3	-16.1	-20.9	-16.0	-16.0	-16.0	-16.0
4	-4.4	-4.5	-4.4	-4.4	-4.4	-4.4
5	-16.3	-16.8	-16.3	-16.3	-16.3	-16.3
6	-11.5	-11.5	-11.5	-11.5	-11.5	-11.5
7	-6.2	-6.3	-6.2	-6.2	-6.2	-6.2
8	-8.0	-7.8	-8.0	-8.0	-8.0	-8.0
9	-5.7	-7.1	-5.7	-5.7	-5.7	-5.7
10	-14.0	-14.4	-14.0	-14.0	-14.0	-14.0
11*	-13.6	-13.2	-13.6	-13.6	-13.6	-13.6
12	-22.1	-21.3	-22.1	-22.1	-22.1	-22.1
13	-17.5	-17.0	-17.5	-17.5	-17.5	-17.5
14	-24.2	-23.9	-24.2	-24.2	-24.2	-24.2
15	-21.4	-21.3	-21.4	-21.4	-21.4	-21.4
16	-9.4	-9.4	-9.4	-9.4	-9.4	-9.4
17	-12.9	-12.9	-12.9	-12.9	-12.9	-12.9
18	-8.8	-8.8	-8.8	-8.8	-8.8	-8.8
19	-9.6	-9.6	-9.6	-9.6	-9.6	-9.6
20	-38.2	-38.2	-38.2	-38.2	-38.2	-38.2
21	-34.5	-34.5	-34.5	-34.5	-34.5	-34.5
22	-17.8	-17.8	-17.8	-17.8	-17.8	-17.8
23	-25.3	-25.3	-25.3	-25.3	-25.3	-25.3
24	-19.0	-19.1	-19.0	-19.0	-19.0	-19.0
25	-22.8	-23.4	-22.8	-22.8	-22.8	-22.8
26	-28.4	-28.5	-28.4	-28.4	-28.4	-28.4
27	-18.7	-19.2	-18.7	-18.7	-18.7	-18.7
28	-43.3	-43.3	-43.3	-43.3	-43.3	-43.3

*Obs: As células sombreadas compreendem o trecho onde estão os bancos de areia.

Observa-se nos resultados apresentados nesta tabela que não há variações expressivas do leito. Apenas no método de Engelund-Hansen houve alguma erosão no trecho inicial com maior intensidade na seção 3, chegando a uma variação da ordem de 5,0 m. Neste mesmo método, foi notado um ligeiro assoreamento no trecho dos bancos, provavelmente devido à erosão de montante. Nos demais métodos observou-se apenas situação de estabilidade.

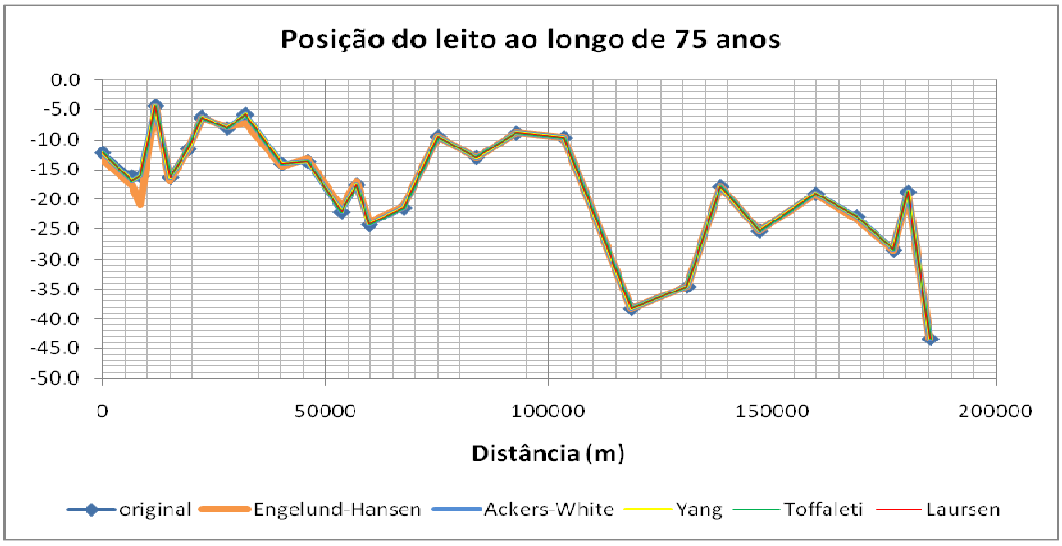


FIGURA 5-1 - Perfil do leito no trecho simulado para diferentes métodos de cálculo (seção 1 ordenada zero)

TABELA 5-5
Variação máxima em cada seção após simulação (em metros)

SEÇÃO	ENGELUND	ACKERS	YANG	TOFFALETI	LAURSEN
1	-1.2	0.0	0.0	0.0	0.0
2	-1.6	-0.8	-0.8	-0.8	-0.8
3	-4.9	0.1	0.1	0.1	0.1
4	-0.1	0.0	0.0	0.0	0.0
5	-0.5	-0.0	-0.0	-0.0	-0.0
6	0.0	0.0	0.0	0.0	0.0
7	-0.0	0.0	0.0	0.0	0.0
8	0.2	0.0	0.0	0.0	0.0
9	-1.4	0.0	0.0	0.0	0.0
10	-0.4	0.0	0.0	0.0	0.0
11*	0.4	-0.0	-0.0	-0.0	-0.0
12	0.7	-0.0	-0.0	-0.0	-0.0
13	0.5	0.0	0.0	0.0	0.0
14	0.4	0.0	0.0	0.0	0.0
15	0.1	-0.0	-0.0	-0.0	-0.0
16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0
24	-0.1	0.0	0.0	0.0	0.0
25	-0.6	0.0	0.0	0.0	0.0
26	-0.1	0.0	0.0	0.0	0.0
27	-0.5	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0

*Obs: As células sombreadas compreendem o trecho onde estão os bancos de areia;
Valores negativos- erosão e positivos - assoreamento.

.

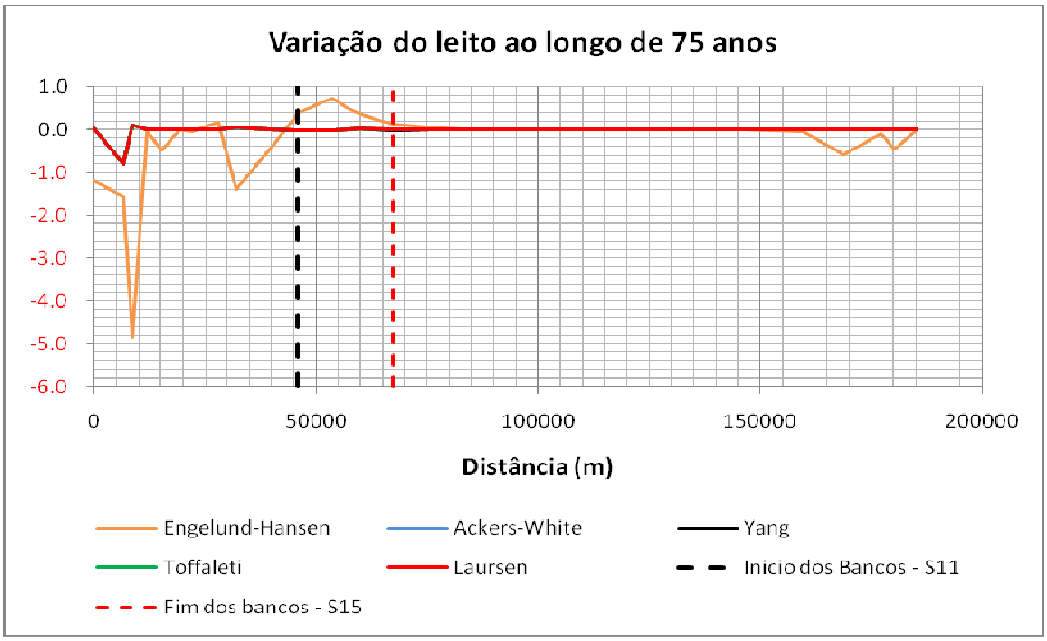


FIGURA 5-2 - Variação máxima em cada seção após simulação (em metros)

As **FIGURAS 5-3 a 5-7** apresentam as telas com os gráficos dos perfis de linha d'água e evolução do leito original e do final do período de simulação (75 anos) para os cinco métodos de cálculo utilizados. É possível visualizar novamente que somente o método de Engelund-Hansen apresenta erosão mais significativa no trecho superior, porém sem alterações na região dos bancos.

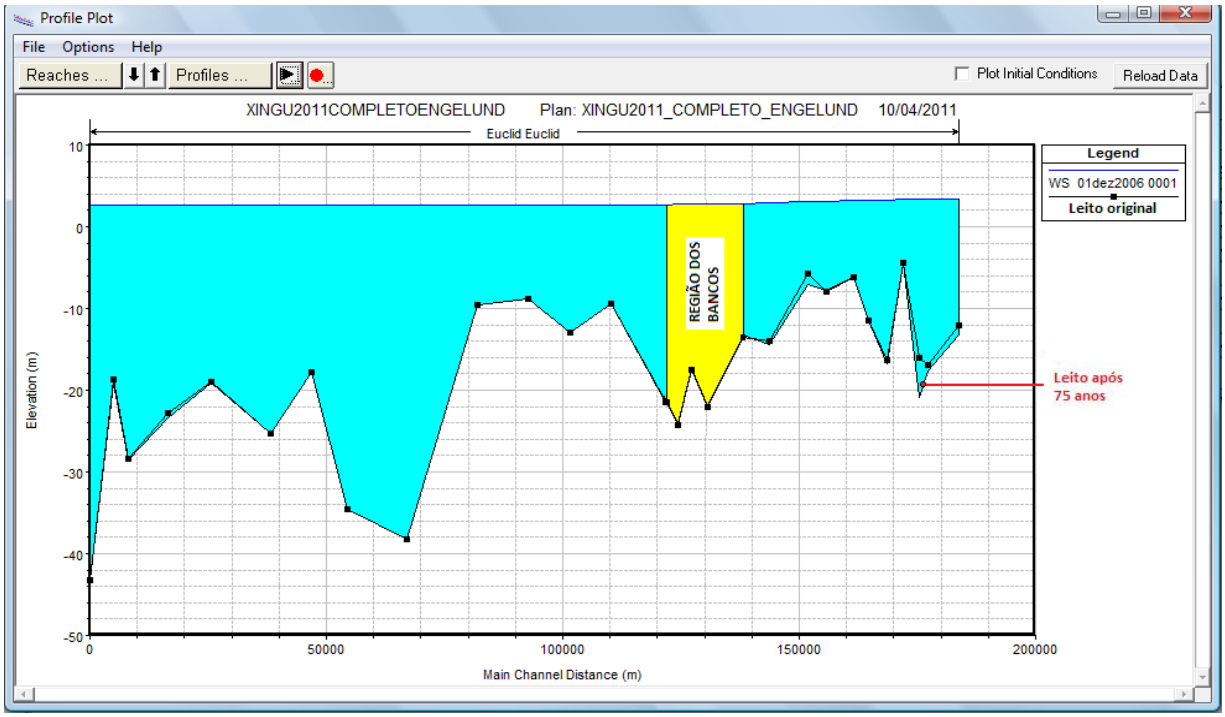


FIGURA 5-3 – Perfil do leito da simulação com o método de Engelund-Hansen

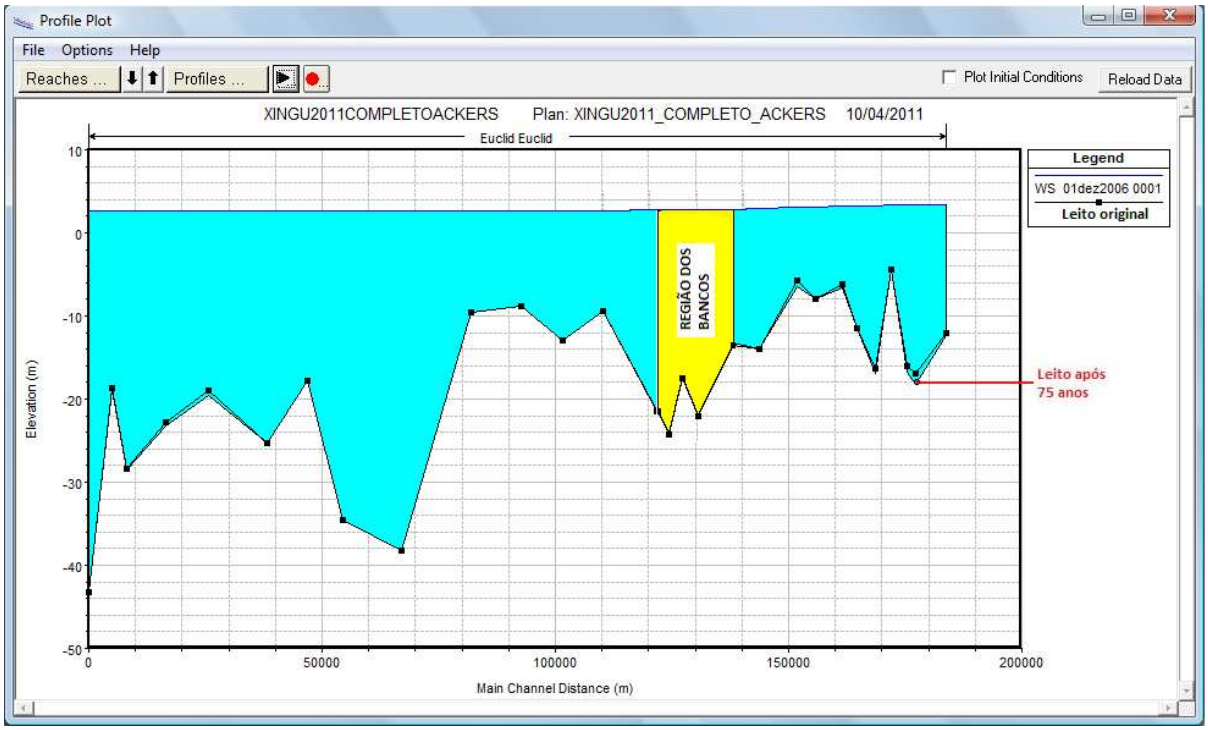


FIGURA 5-4 – Perfil do leito da simulação com o método de Ackers-White

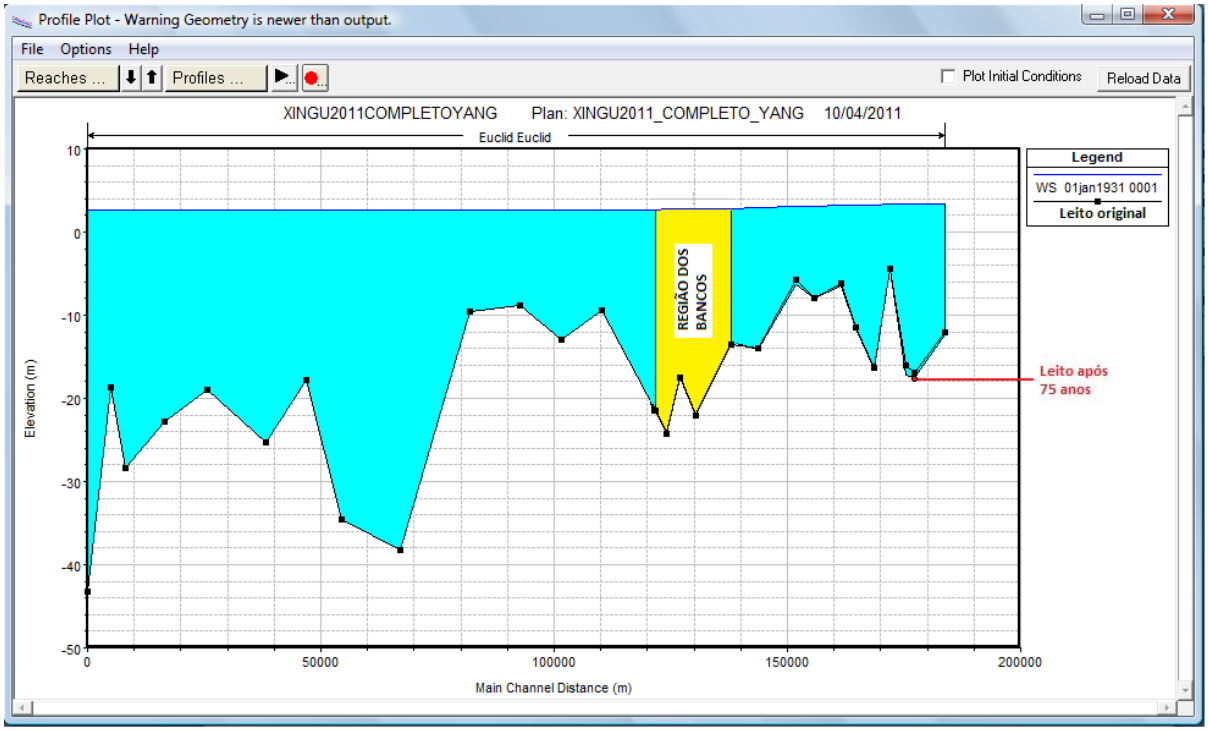


FIGURA 5-5 – Perfil do leito da simulação com o método de Yang

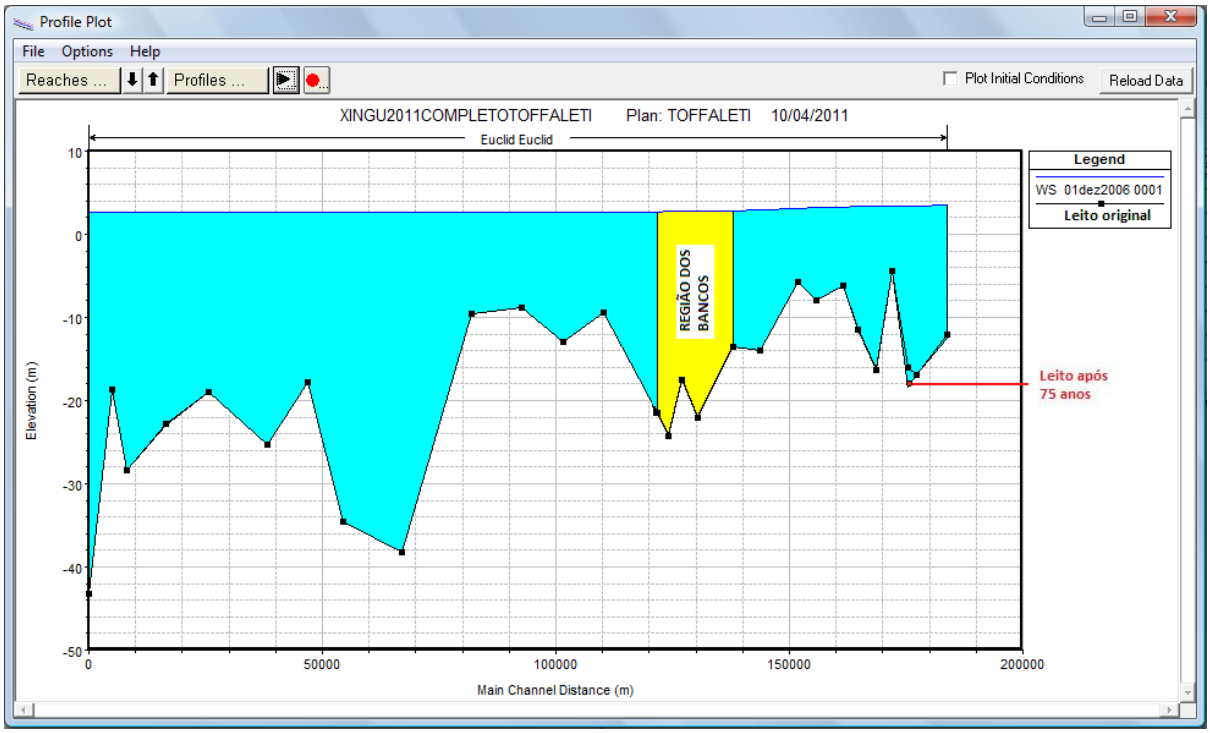


FIGURA 5-6 – Perfil do leito da simulação com o método de Toffaleti

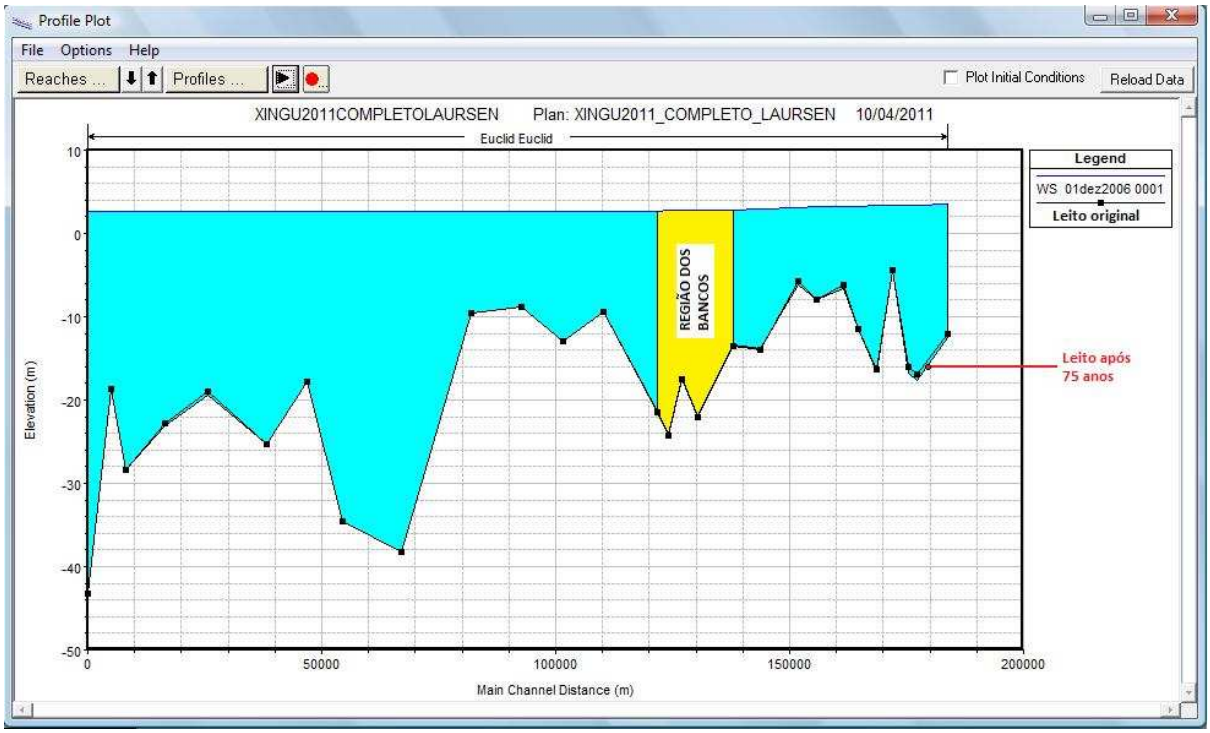


FIGURA 5-7 – Perfil do leito da simulação com o método de Laursen

5.3 Considerações Complementares

Para melhorar a confiabilidade dos resultados é interessante fazer uma abordagem secundária a respeito de algumas características do escoamento na seção 8, imediatamente a montante da região de formação de ilhas e bancos (zona deposicional).

Sedimentos granulares sem coesão distribuem-se em suspensão conforme a equação de O'Brien:

$$\frac{C}{C_a} = \left(\frac{h - y}{y} . \frac{a}{h - a} \right)^z$$

onde:

C e Ca são, respectivamente, as concentrações a uma distância do leito "y" e "a" (distância de referência);

h é a profundidade local;

z é o parâmetro de Rouse, definido por:

$$z = \frac{\omega_o}{\chi . v_*}$$

ωo é a velocidade de queda do sedimento;

χ é a constante de Von Karmann (= 0,4);

v_* é a velocidade de atrito definida por:

$$\tau_o = \rho . v_*^2 = \gamma . h . Sf$$

em que γ é o peso específico da água, Rh o raio hidráulico e Sf representa a declividade da linha de energia.

O parâmetro de Rouse (z) é um indicativo importante, pois valores elevados de z indicam a presença de sedimentos graúdos em suspensão (ωo elevado) ou que o nível de turbulência é baixo (v* pequeno), como é o caso de escoamentos que afluem a reservatórios ou em zonas estuarinas. Deve-se ressaltar que a região da ria do Xingu pode ser considerada como um estuário interno, sujeito a efeitos de maré inclusive. Neste caso, em que os valores do parâmetro de Rouse (z) são elevados os sedimentos concentram-se mais próximos ao leito, não tendo condições de atingir alturas elevadas na coluna líquida, tendendo a se depositar mais rapidamente.

O raciocínio inverso também pode ser feito, de forma que partículas finas (siltes e argilas) ou situações de alto nível de turbulência (rios de grande declividade), apresentam uma distribuição de concentração de sedimentos em suspensão mais uniformemente distribuída ao longo da coluna líquida. Por esta razão, em situações como esta somente sedimentos muito finos é que conseguem avançar além dos limites da barragem ou de áreas estuarinas. A **FIGURA 5-8** apresenta exemplos de distribuição de concentrações para diferentes valores de z, ilustrando melhor estes conceitos.

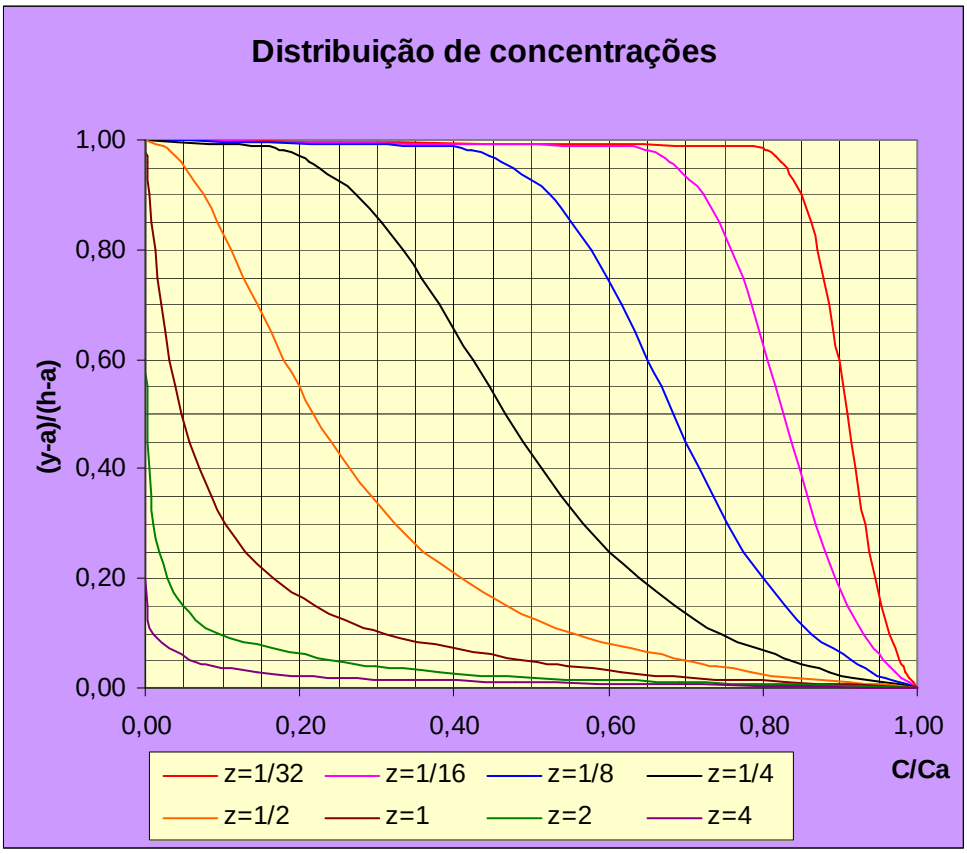


FIGURA 5-8 – Distribuição de Concentrações ao longo da vertical com a=0,05.h (Vanoni-1977)

Nas campanhas realizadas em 2011 foram feitos levantamentos dos perfis de velocidade e concentrações em cinco verticais da seção 8, que precede o trecho de ilhas e bancos de areia, com resultados apresentados na **TABELA 5-6**.

TABELA 5-6
Distribuição de velocidades e concentrações na Seção 8

Vertical 1			Vertical 2			Vertical 3			Vertical 4			Vertical 5		
y (m)	V (m/s)	C (mg/l)	y (m)	V (m/s)	C (mg/l)	y (m)	V (m/s)	C (mg/l)	y (m)	V (m/s)	C (mg/l)	y (m)	V (m/s)	C (mg/l)
7.4			12.5			10.0			9.2			8.5		
7.2	0.60	35	12.3	0.84	48	9.8	0.81	32	8.9	0.64	33	8.3	0.72	33
6.0	0.56		10.0	0.74		8.0	0.79		7.3	0.65		6.8	0.63	
5.2	0.50	37	8.8	0.85	51	7.0	0.80	49	6.4	0.57	37	6.0	0.54	35
4.5	0.49	41	7.5	0.75	55	6.0	0.77	56	5.5	0.56	42	5.1	0.50	40
3.7	0.48	45	6.3	0.70	55	5.0	0.74	56	4.6	0.53	46	4.3	0.43	44
3.0	0.47	53	5.0	0.67	55	4.0	0.75	57	3.7	0.41	56	3.4	0.40	48
2.2	0.46	55	3.8	0.61	57	3.0	0.74	58	2.8	0.27	59	2.6	0.36	61
1.5	0.43	57	2.5	0.57	57	2.0	0.57	61	1.8	0.23	59	1.7	0.29	64
0.7	0.42	69	1.3	0.51	59	1.0	0.50	62	0.9	0.20	60	0.9	0.27	76
0.4	0.40		0.6	0.48		0.5	0.38		0.5	0.18		0.4	0.24	
Ca	94			60			63			74			90	

A partir da equação de distribuição de velocidades:

$$\frac{V_y}{V_*} = \frac{1}{\kappa} \ln\left(\frac{y}{Ks}\right) + 8{,}5$$

Determina-se a velocidade de atrito local (v*) e com a granulometria da seção calcula-se a correspondente velocidade de queda e com isto o parâmetro de Rouse z.

A **FIGURA 5-9** apresenta os valores da distribuição de concentrações medidas nas 5 verticais e as curvas que melhor aderem a estes pontos. Estas curvas com valores de z variando entre 0,033 e 0,24 correspondem a dimensões que variam entre 0,015 mm e 0,04 mm, na faixa dos siltes, distribuindo-se quase que uniformemente na vertical. Já os valores de z para a granulometria, com diâmetro médio variando entre 0,2 mm e 0,5 mm resulta valores de z da ordem de 4 a 8 concentram-se muito próximo ao fundo, conferindo baixa mobilidade dos sedimentos.

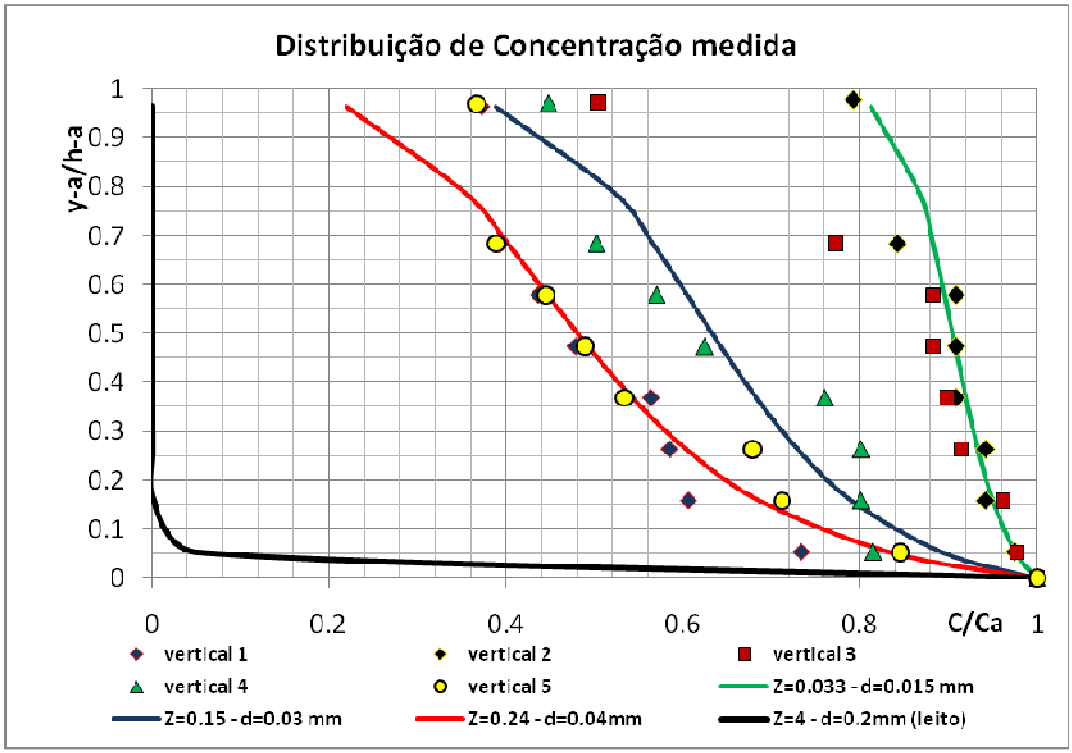


FIGURA 5-9 – Distribuição de Concentrações na seção 8

Existem outras possibilidades de saídas de dados do modelo utilizado. A título de exemplo, apresenta-se a **TABELA 5-7**, com algumas características relevantes para o estudo, considerando o método de Engelund-Hansen, que foi o que apresentou maior potencial de erosão. Foram selecionados os anos de 1931,1941,1951,1961,1971,1981,1991,2001, portanto com intervalo a cada 10 anos desde o início da série histórica e o ano final de 2006. Selecionou-se também os dados do mês de abril, que concentra as maiores vazões médias mensais.

Apesar destes resultados representarem apenas a seleção do mês de maior vazão, ou seja, de maior capacidade de transporte na simulação que resultou ser mais desfavorável (Engelund-Hansen), é possível visualizar o comportamento de algumas grandezas associadas ao transporte de sedimentos ao longo do percurso nas **FIGURAS 5-10 a 5-13**. Observa-se uma tendência ao decaimento destas grandezas ao longo do percurso, com alguma recuperação no trecho da foz. Nestes gráficos as linhas tracejadas na vertical mostra o trecho que compreende os bancos de areia.

TABELA 5-7
Características hidráulicas da simulação com o método de Engelund*

SEÇÕES	DATAS	Q (m^3/s)	Zfundo (m)	N.A. (m)	Veloc. (m/s)	Área (m^2)	Largura (m)	Sf (m/m)	h (m)	Rh (m)	Manning	τo (N/m^2)
S1	1931	25713	-12.12	7.68	1.13	22661	1904	3.40E-05	11.90	11.87	0.025	3.46
	1941	17722	-12.30	6.50	0.85	20751	1902	2.10E-05	10.91	10.89	0.025	2.02
	1951	9902	-12.50	5.28	0.53	18820	1899	1.20E-05	9.91	9.89	0.029	1.03
	1961	14266	-12.69	5.82	0.71	20218	1901	1.70E-05	10.64	10.62	0.026	1.49
	1971	14097	-12.82	5.79	0.69	20394	1901	1.60E-05	10.73	10.71	0.026	1.44
	1981	16853	-12.98	6.29	0.78	21648	1902	1.70E-05	11.38	11.35	0.025	1.65
	1991	23169	-13.14	7.08	0.99	23453	1904	2.60E-05	12.32	12.28	0.025	2.59
	2001	18449	-13.24	6.51	0.82	22549	1903	1.80E-05	11.85	11.82	0.025	1.8
	2006	25057	-13.30	7.29	1.04	24168	1905	2.80E-05	12.69	12.65	0.025	2.83
S2	1931	25713	-16.91	7.44	1.29	19908	1672	3.60E-05	11.90	11.88	0.025	4.48
	1941	17722	-17.02	6.35	0.97	18249	1640	2.00E-05	11.13	11.11	0.025	2.59
	1951	9902	-17.15	5.20	0.60	16544	1619	1.00E-05	10.22	10.20	0.029	1.36
	1961	14266	-17.27	5.71	0.81	17527	1629	1.40E-05	10.76	10.74	0.026	2.06
	1971	14097	-17.35	5.67	0.80	17581	1629	1.30E-05	10.79	10.77	0.027	2.03
	1981	16853	-17.45	6.16	0.91	18519	1639	1.30E-05	11.30	11.28	0.025	2.26
	1991	23169	-17.54	6.89	1.17	19842	1663	2.00E-05	11.93	11.91	0.025	3.66
	2001	18449	-17.61	6.37	0.97	19072	1643	1.40E-05	11.61	11.59	0.025	2.53
	2006	25057	-17.66	7.09	1.23	20322	1668	2.10E-05	12.18	12.16	0.025	4.05
S3	1931	25713	-16.08	7.34	1.48	17432	1073	3.40E-05	16.24	16.19	0.025	5.27
	1941	17722	-16.88	6.30	1.03	17146	1067	2.20E-05	16.07	16.03	0.025	2.6
	1951	9902	-17.68	5.18	0.59	16764	1058	1.30E-05	15.84	15.80	0.029	1.16
	1961	14266	-18.42	5.68	0.79	18068	1066	1.70E-05	16.95	16.90	0.027	1.69
	1971	14097	-18.95	5.65	0.76	18573	1067	1.60E-05	17.40	17.35	0.027	1.56
	1981	16853	-19.58	6.14	0.85	19753	1073	1.50E-05	18.40	18.34	0.025	1.69
	1991	23169	-20.21	6.86	1.09	21175	1080	2.10E-05	19.62	19.54	0.025	2.72
	2001	18449	-20.67	6.35	0.87	21110	1077	1.50E-05	19.60	19.52	0.025	1.74
	2006	25057	-20.92	7.06	1.13	22124	1081	2.20E-05	20.46	20.37	0.025	2.88
S4	1931	25713	-4.40	7.28	0.84	30542	4573	3.30E-05	6.68	6.67	0.025	2.31
	1941	17722	-4.40	6.25	0.69	25829	4567	2.30E-05	5.66	5.65	0.025	1.62
	1951	9902	-4.40	5.14	0.48	20759	4559	1.60E-05	4.55	4.55	0.029	1.16
	1961	14266	-4.40	5.63	0.62	23018	4562	2.30E-05	5.05	5.04	0.027	1.58
	1971	14097	-4.40	5.60	0.62	22897	4562	2.20E-05	5.02	5.02	0.027	1.58
	1981	16853	-4.41	6.10	0.67	25205	4566	2.20E-05	5.52	5.52	0.025	1.55
	1991	23169	-4.43	6.80	0.81	28476	4570	3.00E-05	6.23	6.23	0.025	2.21
	2001	18449	-4.45	6.31	0.70	26313	4567	2.30E-05	5.76	5.76	0.025	1.68
	2006	25057	-4.46	7.00	0.85	29521	4572	3.20E-05	6.46	6.45	0.025	2.37

*Obs: Valores correspondentes ao mês de abril, em média a situação de maior vazão. Foram selecionados dados a cada 10 anos desde o início e na condição final (2006)

TABELA 5-7
Características hidráulicas da simulação com o método de Engelund*

Cont.

SEÇÕES	DATAS	Q (m^3/s)	Zfundo (m)	N.A. (m)	Veloc. (m/s)	Área (m^2)	Largura (m)	Sf (m/m)	h (m)	Rh (m)	Manning	τo (N/m^2)
S6	1931	25713	-11.50	6.98	1.31	19660	1670	4.40E-05	11.77	11.75	0.025	4.61
	1941	17722	-11.49	6.07	0.97	18200	1529	2.70E-05	11.91	11.88	0.025	2.55
	1951	9902	-11.48	5.03	0.59	16652	1474	1.70E-05	11.29	11.27	0.03	1.38
	1961	14266	-11.48	5.47	0.83	17290	1487	2.60E-05	11.63	11.60	0.028	2.26
	1971	14097	-11.48	5.44	0.82	17244	1486	2.60E-05	11.61	11.58	0.028	2.24
	1981	16853	-11.49	5.93	0.94	17993	1523	2.60E-05	11.81	11.79	0.025	2.43
	1991	23169	-11.48	6.54	1.22	18933	1605	4.00E-05	11.80	11.77	0.025	4.03
	2001	18449	-11.48	6.12	1.01	18283	1539	2.80E-05	11.88	11.86	0.025	2.74
	2006	25057	-11.49	6.71	1.30	19218	1638	4.50E-05	11.73	11.71	0.025	4.59
S7	1931	25713	-6.20	6.86	1.11	23094	2863	4.10E-05	8.07	8.06	0.025	3.79
	1941	17722	-6.21	6.00	0.86	20629	2853	2.80E-05	7.23	7.23	0.025	2.34
	1951	9902	-6.21	4.98	0.56	17746	2841	1.90E-05	6.25	6.24	0.03	1.49
	1961	14266	-6.21	5.39	0.75	18916	2846	3.00E-05	6.65	6.64	0.028	2.33
	1971	14097	-6.21	5.37	0.75	18833	2845	3.00E-05	6.62	6.62	0.028	2.32
	1981	16853	-6.21	5.86	0.83	20241	2851	2.90E-05	7.10	7.10	0.026	2.34
	1991	23169	-6.22	6.43	1.06	21905	2858	4.00E-05	7.66	7.66	0.025	3.48
	2001	18449	-6.24	6.05	0.88	20865	2853	3.00E-05	7.31	7.31	0.025	2.47
	2006	25057	-6.25	6.59	1.12	22436	2860	4.40E-05	7.85	7.84	0.025	3.85
S8	1931	25713	-8.00	6.63	1.05	24516	2633	4.70E-05	9.31	9.31	0.025	3.21
	1941	17722	-8.00	5.84	0.79	22433	2624	3.10E-05	8.55	8.55	0.026	1.99
	1951	9902	-7.98	4.88	0.50	19871	2587	1.80E-05	7.68	7.68	0.03	1.12
	1961	14266	-7.95	5.23	0.69	20716	2602	2.90E-05	7.96	7.96	0.029	1.94
	1971	14097	-7.93	5.20	0.68	20586	2600	2.90E-05	7.92	7.92	0.029	1.94
	1981	16853	-7.90	5.69	0.77	21780	2620	2.70E-05	8.31	8.31	0.027	2.04
	1991	23169	-7.87	6.20	1.01	23035	2627	3.50E-05	8.77	8.77	0.025	3.01
	2001	18449	-7.84	5.87	0.83	22107	2623	2.70E-05	8.43	8.43	0.026	2.2
	2006	25057	-7.82	6.34	1.08	23280	2628	3.80E-05	8.86	8.86	0.025	3.43
S9	1931	25713	-5.73	6.43	1.14	22611	3429	8.90E-05	6.59	6.59	0.025	4.23
	1941	17722	-6.04	5.71	0.84	21142	3340	6.40E-05	6.33	6.33	0.026	2.6
	1951	9902	-6.31	4.80	0.52	19032	3167	2.70E-05	6.01	6.01	0.03	1.36
	1961	14266	-6.54	5.11	0.69	20732	3283	4.70E-05	6.32	6.31	0.029	2.18
	1971	14097	-6.67	5.08	0.67	21062	3294	4.40E-05	6.39	6.39	0.03	2.07
	1981	16853	-6.84	5.59	0.72	23291	3401	4.70E-05	6.85	6.84	0.027	1.98
	1991	23169	-7.00	6.07	0.91	25463	3430	5.40E-05	7.42	7.42	0.025	2.6
	2001	18449	-7.10	5.77	0.74	24778	3427	4.10E-05	7.23	7.22	0.026	1.92
	2006	25057	-7.13	6.19	0.95	26330	3432	5.50E-05	7.67	7.67	0.025	2.82

TABELA 5-7
Características hidráulicas da simulação com o método de Engelund*

Cont.

SEÇÕES	DATAS	Q (m^3/s)	Zfundo (m)	N.A. (m)	Veloc. (m/s)	Área (m^2)	Largura (m)	Sf (m/m)	h (m)	Rh (m)	Manning	τo (N/m^2)
S9	1931	25713	-5.73	6.43	1.14	22611	3429	8.90E-05	6.59	6.59	0.025	4.23
	1941	17722	-6.04	5.71	0.84	21142	3340	6.40E-05	6.33	6.33	0.026	2.6
	1951	9902	-6.31	4.80	0.52	19032	3167	2.70E-05	6.01	6.01	0.03	1.36
	1961	14266	-6.54	5.11	0.69	20732	3283	4.70E-05	6.32	6.31	0.029	2.18
	1971	14097	-6.67	5.08	0.67	21062	3294	4.40E-05	6.39	6.39	0.03	2.07
	1981	16853	-6.84	5.59	0.72	23291	3401	4.70E-05	6.85	6.84	0.027	1.98
	1991	23169	-7.00	6.07	0.91	25463	3430	5.40E-05	7.42	7.42	0.025	2.6
	2001	18449	-7.10	5.77	0.74	24778	3427	4.10E-05	7.23	7.22	0.026	1.92
	2006	25057	-7.13	6.19	0.95	26330	3432	5.50E-05	7.67	7.67	0.025	2.82
S10	1931	25713	-14.00	5.71	1.00	25607	7077	7.40E-05	3.62	3.62	0.026	4.5
	1941	17722	-14.07	5.19	0.79	22300	6770	5.80E-05	3.29	3.29	0.029	3.52
	1951	9902	-14.14	4.58	0.51	19373	4043	2.20E-05	4.79	4.79	0.032	1.52
	1961	14266	-14.19	4.73	0.71	20210	4525	4.60E-05	4.47	4.46	0.031	2.83
	1971	14097	-14.22	4.72	0.70	20280	4544	4.60E-05	4.46	4.46	0.031	2.75
	1981	16853	-14.28	5.20	0.72	23530	6906	5.20E-05	3.41	3.41	0.029	2.81
	1991	23169	-14.34	5.63	0.86	26862	7078	6.70E-05	3.80	3.79	0.027	3.38
	2001	18449	-14.39	5.43	0.72	25747	7073	4.90E-05	3.64	3.64	0.028	2.54
	2006	25057	-14.40	5.74	0.89	28003	7079	6.80E-05	3.96	3.95	0.026	3.43
S11	1931	25713	-13.59	5.31	0.73	35430	6913	4.40E-05	5.12	5.12	0.028	2.43
	1941	17722	-13.46	4.87	0.56	31703	6660	2.90E-05	4.76	4.76	0.03	1.66
	1951	9902	-13.38	4.46	0.35	28538	6228	1.20E-05	4.58	4.58	0.032	0.74
	1961	14266	-13.32	4.47	0.50	28279	6204	2.80E-05	4.56	4.56	0.032	1.56
	1971	14097	-13.30	4.46	0.50	28122	6188	2.90E-05	4.54	4.54	0.032	1.54
	1981	16853	-13.26	4.92	0.55	30803	6633	3.10E-05	4.64	4.64	0.03	1.58
	1991	23169	-13.22	5.25	0.71	32853	6861	5.00E-05	4.79	4.79	0.029	2.39
	2001	18449	-13.20	5.16	0.58	32080	6821	3.40E-05	4.70	4.70	0.029	1.65
	2006	25057	-13.20	5.36	0.75	33476	6904	5.70E-05	4.85	4.85	0.028	2.58
S12	1931	25713	-22.09	4.98	0.59	43545	7313	3.00E-05	5.95	5.95	0.035	2.31
	1941	17722	-21.97	4.65	0.44	40332	7311	1.70E-05	5.52	5.51	0.035	1.31
	1951	9902	-21.85	4.36	0.27	37334	7309	6.00E-06	5.11	5.10	0.035	0.49
	1961	14266	-21.73	4.26	0.40	35726	7307	1.50E-05	4.89	4.89	0.035	1.13
	1971	14097	-21.66	4.25	0.40	35152	7307	1.50E-05	4.81	4.81	0.035	1.14
	1981	16853	-21.56	4.69	0.45	37655	7310	1.80E-05	5.15	5.15	0.035	1.39
	1991	23169	-21.45	4.88	0.60	38336	7311	3.20E-05	5.24	5.24	0.035	2.53
	2001	18449	-21.38	4.91	0.49	38037	7311	2.00E-05	5.20	5.20	0.035	1.63
	2006	25057	-21.35	4.93	0.66	38049	7312	3.80E-05	5.20	5.20	0.035	3.01

TABELA 5-7
Características hidráulicas da simulação com o método de Engelund*

Cont.

SEÇÕES	DATAS	Q (m^3/s)	Zfundo (m)	N.A. (m)	Veloc. (m/s)	Área (m^2)	Largura (m)	Sf (m/m)	h (m)	Rh (m)	Manning	τo (N/m^2)
S13	1931	25713	-17.50	4.88	0.58	43971	4983	2.80E-05	8.82	8.82	0.035	1.99
	1941	17722	-17.45	4.60	0.42	42334	4980	1.50E-05	8.50	8.49	0.035	1.03
	1951	9902	-17.38	4.34	0.24	40784	4977	5.00E-06	8.19	8.19	0.035	0.35
	1961	14266	-17.31	4.21	0.36	39793	4975	1.20E-05	8.00	7.99	0.035	0.77
	1971	14097	-17.26	4.20	0.36	39528	4975	1.20E-05	7.95	7.94	0.035	0.77
	1981	16853	-17.18	4.63	0.41	41292	4980	1.50E-05	8.29	8.29	0.035	0.99
	1991	23169	-17.10	4.77	0.56	41602	4981	2.70E-05	8.35	8.35	0.035	1.84
	2001	18449	-17.03	4.84	0.44	41632	4982	1.70E-05	8.36	8.35	0.035	1.16
	2006	25057	-17.00	4.81	0.61	41335	4981	3.20E-05	8.30	8.29	0.035	2.18
S14	1931	25713	-24.20	4.80	0.63	40933	5606	1.70E-05	7.30	7.29	0.035	2.44
	1941	17722	-24.17	4.55	0.45	39396	5605	9.00E-06	7.03	7.02	0.035	1.27
	1951	9902	-24.13	4.33	0.26	37928	5604	3.00E-06	6.77	6.76	0.035	0.43
	1961	14266	-24.09	4.17	0.39	36827	5604	7.00E-06	6.57	6.56	0.035	0.96
	1971	14097	-24.06	4.16	0.39	36601	5604	7.00E-06	6.53	6.52	0.035	0.95
	1981	16853	-24.00	4.58	0.44	38662	5605	8.00E-06	6.90	6.89	0.035	1.2
	1991	23169	-23.94	4.69	0.60	38924	5605	1.50E-05	6.94	6.94	0.035	2.23
	2001	18449	-23.89	4.79	0.47	39217	5605	9.00E-06	7.00	6.99	0.035	1.39
	2006	25057	-23.86	4.71	0.65	38646	5605	1.80E-05	6.89	6.89	0.035	2.65
S15	1931	25713	-21.40	4.77	0.37	70096	8481	9.00E-06	8.27	8.23	0.035	0.8
	1941	17722	-21.39	4.54	0.26	68007	8481	4.00E-06	8.02	7.99	0.035	0.41
	1951	9902	-21.38	4.32	0.15	66021	8481	2.00E-06	7.78	7.76	0.035	0.14
	1961	14266	-21.36	4.16	0.22	64475	8481	3.00E-06	7.60	7.57	0.035	0.3
	1971	14097	-21.35	4.15	0.22	64284	8481	3.00E-06	7.58	7.55	0.035	0.29
	1981	16853	-21.33	4.57	0.25	67647	8481	4.00E-06	7.98	7.95	0.035	0.37
	1991	23169	-21.31	4.66	0.34	68254	8481	7.00E-06	8.05	8.02	0.035	0.69
	2001	18449	-21.30	4.77	0.27	69035	8481	4.00E-06	8.14	8.11	0.035	0.43
	2006	25057	-21.29	4.68	0.37	68182	8481	9.00E-06	8.04	8.01	0.035	0.81
S16	1931	25713	-9.40	4.67	0.33	77191	8744	8.00E-06	8.83	8.83	0.035	0.64
	1941	17722	-9.40	4.49	0.23	75530	8739	4.00E-06	8.64	8.64	0.035	0.32
	1951	9902	-9.39	4.31	0.13	73899	8733	1.00E-06	8.46	8.46	0.035	0.11
	1961	14266	-9.38	4.12	0.20	72240	8727	3.00E-06	8.28	8.28	0.035	0.23
	1971	14097	-9.38	4.11	0.20	72139	8727	3.00E-06	8.27	8.27	0.035	0.23
	1981	16853	-9.37	4.52	0.22	75663	8739	4.00E-06	8.66	8.66	0.035	0.29
	1991	23169	-9.37	4.58	0.30	76087	8741	7.00E-06	8.70	8.70	0.035	0.54
	2001	18449	-9.36	4.72	0.24	77279	8745	4.00E-06	8.84	8.84	0.035	0.33
	2006	25057	-9.36	4.58	0.33	76041	8741	8.00E-06	8.70	8.70	0.035	0.63

TABELA 5-7
Características hidráulicas da simulação com o método de Engelund*

Cont.

SEÇÕES	DATAS	Q (m^3/s)	Zfundo (m)	N.A. (m)	Veloc. (m/s)	Área (m^2)	Largura (m)	Sf (m/m)	h (m)	Rh (m)	Manning	τo (N/m^2)
S17	1931	25713	-12.90	4.60	0.32	80186	11168	8.00E-06	7.18	7.18	0.035	0.64
	1941	17722	-12.90	4.45	0.23	78494	11167	4.00E-06	7.03	7.03	0.035	0.32
	1951	9902	-12.90	4.29	0.13	76741	11166	1.00E-06	6.87	6.87	0.035	0.11
	1961	14266	-12.90	4.09	0.19	74512	11164	3.00E-06	6.67	6.67	0.035	0.23
	1971	14097	-12.90	4.09	0.19	74434	11164	3.00E-06	6.67	6.67	0.035	0.23
	1981	16853	-12.90	4.49	0.21	78948	11167	3.00E-06	7.07	7.07	0.035	0.29
	1991	23169	-12.90	4.52	0.29	79254	11168	6.00E-06	7.10	7.10	0.035	0.53
	2001	18449	-12.90	4.68	0.23	81091	11169	4.00E-06	7.26	7.26	0.035	0.32
	2006	25057	-12.90	4.51	0.32	79157	11168	8.00E-06	7.09	7.09	0.035	0.63
S18	1931	25713	-8.80	4.53	0.30	86510	10433	7.00E-06	8.29	8.29	0.035	0.52
	1941	17722	-8.80	4.42	0.21	85279	10423	4.00E-06	8.18	8.18	0.035	0.26
	1951	9902	-8.80	4.28	0.12	83878	10412	1.00E-06	8.06	8.06	0.035	0.08
	1961	14266	-8.80	4.07	0.17	81651	10394	3.00E-06	7.86	7.86	0.035	0.18
	1971	14097	-8.80	4.06	0.17	81586	10393	3.00E-06	7.85	7.85	0.035	0.18
	1981	16853	-8.80	4.46	0.20	85744	10427	3.00E-06	8.22	8.22	0.035	0.23
	1991	23169	-8.80	4.46	0.27	85755	10427	6.00E-06	8.22	8.22	0.035	0.43
	2001	18449	-8.80	4.65	0.21	87718	10443	3.00E-06	8.40	8.40	0.035	0.26
	2006	25057	-8.80	4.44	0.29	85562	10425	7.00E-06	8.21	8.21	0.035	0.51
S19	1931	25713	-9.60	4.46	0.30	84577	11601	1.00E-06	7.29	7.29	0.035	0.57
	1941	17722	-9.60	4.38	0.21	83659	11593	1.00E-06	7.22	7.22	0.035	0.28
	1951	9902	-9.60	4.27	0.12	82398	11583	0.00E+00	7.11	7.11	0.035	0.09
	1961	14266	-9.60	4.04	0.18	79737	11561	0.00E+00	6.90	6.90	0.035	0.2
	1971	14097	-9.60	4.03	0.18	79672	11561	0.00E+00	6.89	6.89	0.035	0.2
	1981	16853	-9.60	4.43	0.20	84233	11598	1.00E-06	7.26	7.26	0.035	0.25
	1991	23169	-9.60	4.40	0.28	83896	11595	1.00E-06	7.24	7.24	0.035	0.47
	2001	18449	-9.60	4.61	0.21	86390	11615	1.00E-06	7.44	7.44	0.035	0.28
	2006	25057	-9.60	4.37	0.30	83549	11592	1.00E-06	7.21	7.21	0.035	0.56
S20	1931	25713	-38.20	4.44	0.15	171789	8620	0.00E+00	19.93	19.92	0.035	0.1
	1941	17722	-38.20	4.37	0.10	171181	8611	0.00E+00	19.88	19.87	0.035	0.05
	1951	9902	-38.20	4.27	0.06	170290	8597	0.00E+00	19.81	19.79	0.035	0.02
	1961	14266	-38.20	4.03	0.08	168287	8567	0.00E+00	19.64	19.63	0.035	0.03
	1971	14097	-38.20	4.03	0.08	168236	8566	0.00E+00	19.64	19.63	0.035	0.03
	1981	16853	-38.20	4.42	0.10	171601	8617	0.00E+00	19.91	19.90	0.035	0.04
	1991	23169	-38.20	4.39	0.14	171288	8613	0.00E+00	19.89	19.87	0.035	0.08
	2001	18449	-38.20	4.61	0.11	173187	8641	0.00E+00	20.04	20.03	0.035	0.05
	2006	25057	-38.20	4.35	0.15	171005	8609	0.00E+00	19.86	19.85	0.035	0.1

TABELA 5-7
Características hidráulicas da simulação com o método de Engelund*

Cont.

SEÇÕES	DATAS	Q (m^3/s)	Zfundo (m)	N.A. (m)	Veloc. (m/s)	Área (m^2)	Largura (m)	Sf (m/m)	h (m)	Rh (m)	Manning	τo (N/m^2)
S21	1931	25713	-34.50	4.43	0.13	193536	9139	1.00E-06	21.18	21.17	0.035	0.08
	1941	17722	-34.50	4.37	0.09	192918	9138	0.00E+00	21.11	21.11	0.035	0.04
	1951	9902	-34.50	4.27	0.05	191990	9136	0.00E+00	21.01	21.01	0.035	0.01
	1961	14266	-34.50	4.03	0.08	189853	9128	0.00E+00	20.80	20.80	0.035	0.02
	1971	14097	-34.50	4.03	0.07	189802	9128	0.00E+00	20.79	20.79	0.035	0.02
	1981	16853	-34.50	4.42	0.09	193377	9139	0.00E+00	21.16	21.16	0.035	0.03
	1991	23169	-34.50	4.38	0.12	193029	9138	0.00E+00	21.12	21.12	0.035	0.06
	2001	18449	-34.50	4.60	0.09	195058	9142	0.00E+00	21.34	21.33	0.035	0.04
	2006	25057	-34.50	4.35	0.13	192725	9138	1.00E-06	21.09	21.09	0.035	0.07
S22	1931	25713	-17.80	4.43	0.18	142786	9795	1.00E-06	14.58	14.58	0.035	0.16
	1941	17722	-17.80	4.37	0.12	142152	9794	1.00E-06	14.51	14.51	0.035	0.08
	1951	9902	-17.80	4.27	0.07	141177	9792	0.00E+00	14.42	14.42	0.035	0.02
	1961	14266	-17.80	4.03	0.10	138880	9787	0.00E+00	14.19	14.19	0.035	0.05
	1971	14097	-17.80	4.03	0.10	138827	9787	0.00E+00	14.18	14.18	0.035	0.05
	1981	16853	-17.80	4.42	0.12	142656	9795	1.00E-06	14.56	14.56	0.035	0.07
	1991	23169	-17.80	4.38	0.16	142267	9794	1.00E-06	14.53	14.53	0.035	0.13
	2001	18449	-17.80	4.60	0.13	144459	9798	1.00E-06	14.74	14.74	0.035	0.08
	2006	25057	-17.80	4.34	0.18	141936	9793	1.00E-06	14.49	14.49	0.035	0.15
S23	1931	25713	-25.30	4.42	0.17	153522	14286	2.00E-06	10.75	10.75	0.035	0.15
	1941	17722	-25.30	4.36	0.12	152678	14284	1.00E-06	10.69	10.69	0.035	0.07
	1951	9902	-25.30	4.26	0.07	151308	14281	0.00E+00	10.59	10.59	0.035	0.02
	1961	14266	-25.30	4.03	0.10	147927	14274	1.00E-06	10.36	10.36	0.035	0.05
	1971	14097	-25.30	4.02	0.10	147852	14274	1.00E-06	10.36	10.36	0.035	0.05
	1981	16853	-25.30	4.41	0.11	153422	14286	1.00E-06	10.74	10.74	0.035	0.07
	1991	23169	-25.30	4.37	0.15	152793	14284	2.00E-06	10.70	10.70	0.035	0.13
	2001	18449	-25.30	4.60	0.12	156042	14291	1.00E-06	10.92	10.92	0.035	0.08
	2006	25057	-25.30	4.33	0.16	152287	14283	2.00E-06	10.66	10.66	0.035	0.15
S24	1931	25713	-19.00	4.39	0.29	88998	5957	6.00E-06	14.94	14.93	0.035	0.41
	1941	17722	-19.01	4.35	0.20	88772	5957	3.00E-06	14.90	14.89	0.035	0.19
	1951	9902	-19.02	4.26	0.11	88311	5955	1.00E-06	14.83	14.82	0.035	0.06
	1961	14266	-19.03	4.02	0.16	86930	5952	2.00E-06	14.61	14.60	0.035	0.13
	1971	14097	-19.03	4.01	0.16	86934	5951	2.00E-06	14.61	14.60	0.035	0.13
	1981	16853	-19.04	4.40	0.19	89291	5957	3.00E-06	14.99	14.98	0.035	0.17
	1991	23169	-19.05	4.35	0.26	89002	5957	5.00E-06	14.94	14.93	0.035	0.33
	2001	18449	-19.06	4.58	0.20	90443	5960	3.00E-06	15.17	15.17	0.035	0.2
	2006	25057	-19.06	4.31	0.28	88813	5956	6.00E-06	14.91	14.90	0.035	0.39

TABELA 5-7
Características hidráulicas da simulação com o método de Engelund*

Cont.

SEÇÕES	DATAS	Q (m^3/s)	Zfundo (m)	N.A. (m)	Veloc. (m/s)	Área (m^2)	Largura (m)	Sf (m/m)	h (m)	Rh (m)	Manning	τo (N/m^2)
S25	1931	25713	-22.81	4.30	0.80	32149	2486	1.90E-05	12.93	12.91	0.035	3.28
	1941	17722	-22.88	4.30	0.55	32324	2486	9.00E-06	13.00	12.98	0.035	1.54
	1951	9902	-22.98	4.25	0.31	32435	2486	3.00E-06	13.05	13.03	0.035	0.48
	1961	14266	-23.07	3.99	0.45	32010	2482	6.00E-06	12.89	12.88	0.035	1.02
	1971	14097	-23.14	3.98	0.44	32162	2483	6.00E-06	12.95	12.94	0.035	0.98
	1981	16853	-23.23	4.36	0.51	33310	2488	8.00E-06	13.39	13.37	0.035	1.3
	1991	23169	-23.30	4.28	0.70	33281	2487	1.50E-05	13.38	13.36	0.035	2.45
	2001	18449	-23.35	4.54	0.54	34045	2491	9.00E-06	13.67	13.65	0.035	1.48
	2006	25057	-23.38	4.22	0.75	33344	2487	1.70E-05	13.41	13.39	0.035	2.86
S26	1931	25713	-28.40	4.15	0.58	44330	3723	1.90E-05	11.91	11.89	0.035	1.77
	1941	17722	-28.41	4.23	0.40	44669	3724	9.00E-06	12.00	11.98	0.035	0.83
	1951	9902	-28.43	4.22	0.22	44682	3724	3.00E-06	12.00	11.99	0.035	0.26
	1961	14266	-28.45	3.94	0.33	43665	3721	6.00E-06	11.74	11.72	0.035	0.56
	1971	14097	-28.46	3.94	0.32	43683	3721	6.00E-06	11.74	11.73	0.035	0.55
	1981	16853	-28.48	4.30	0.37	45087	3724	7.00E-06	12.11	12.09	0.035	0.73
	1991	23169	-28.50	4.16	0.52	44590	3723	1.40E-05	11.98	11.96	0.035	1.42
	2001	18449	-28.51	4.47	0.40	45774	3726	8.00E-06	12.29	12.27	0.035	0.85
	2006	25057	-28.51	4.09	0.56	44360	3722	1.70E-05	11.92	11.90	0.035	1.68
S27	1931	25713	-18.70	4.09	0.55	47052	6276	3.70E-05	7.50	7.49	0.035	1.83
	1941	17722	-18.75	4.21	0.37	48068	6285	1.60E-05	7.65	7.64	0.035	0.83
	1951	9902	-18.83	4.22	0.20	48644	6288	5.00E-06	7.74	7.73	0.035	0.25
	1961	14266	-18.90	3.92	0.30	47176	6271	1.20E-05	7.52	7.52	0.035	0.56
	1971	14097	-18.95	3.92	0.30	47466	6272	1.10E-05	7.57	7.56	0.035	0.54
	1981	16853	-19.02	4.28	0.34	50203	6296	1.30E-05	7.97	7.97	0.035	0.68
	1991	23169	-19.09	4.12	0.47	49586	6288	2.70E-05	7.89	7.88	0.035	1.32
	2001	18449	-19.13	4.45	0.36	51892	6307	1.40E-05	8.23	8.22	0.035	0.75
	2006	25057	-19.16	4.04	0.51	49483	6285	3.20E-05	7.87	7.87	0.035	1.55
S28	1931	25713	-43.30	3.89	0.74	34782	5838		5.96	5.95	0.035	3.62
	1941	17722	-43.30	4.12	0.49	36125	5843		6.18	6.17	0.035	1.58
	1951	9902	-43.30	4.19	0.27	36535	5844		6.25	6.24	0.035	0.48
	1961	14266	-43.30	3.86	0.41	34606	5838		5.93	5.92	0.035	1.13
	1971	14097	-43.30	3.86	0.41	34606	5838		5.93	5.92	0.035	1.1
	1981	16853	-43.30	4.21	0.46	36650	5845		6.27	6.26	0.035	1.38
	1991	23169	-43.30	3.97	0.66	35249	5840		6.04	6.02	0.035	2.85
	2001	18449	-43.30	4.37	0.49	37586	5848		6.43	6.41	0.035	1.56
	2006	25057	-43.30	3.86	0.72	34606	5838		5.93	5.92	0.035	3.48

Com estes dados é possível também determinar alguns parâmetros secundários importantes, como o de Shields e o de Rouse:

TABELA 5-8
Variação dos parâmetros de Shields (□*) e Rouse (z)

SEÇÕES	dist. (m)	τ*	Z	SEÇÕES	dist. (m)	τ*	Z	SEÇÕES	dist. (m)	τ*	Z
S1	0	1.05	1.08	S5	15143	1.23	1.00	S9	31956	1.28	0.98
	0	0.61	1.41		15143	0.70	1.32		31956	0.79	1.25
	0	0.31	1.98		15143	0.38	1.80		31956	0.41	1.72
	0	0.45	1.65		15143	0.60	1.42		31956	0.66	1.36
	0	0.44	1.67		15143	0.59	1.43		31956	0.63	1.40
	0	0.50	1.56		15143	0.63	1.39		31956	0.60	1.43
	0	0.78	1.25		15143	1.03	1.09		31956	0.79	1.25
	0	0.55	1.50		15143	0.70	1.32		31956	0.58	1.45
	0	0.86	1.19		15143	1.14	1.04		31956	0.85	1.20
S2	6607	1.36	0.95	S6	19182	1.40	0.94	S10	40186	1.36	0.95
	6607	0.78	1.25		19182	0.77	1.26		40186	1.07	1.07
	6607	0.41	1.72		19182	0.42	1.71		40186	0.46	1.63
	6607	0.62	1.40		19182	0.68	1.34		40186	0.86	1.19
	6607	0.62	1.41		19182	0.68	1.34		40186	0.83	1.21
	6607	0.68	1.34		19182	0.74	1.29		40186	0.85	1.20
	6607	1.11	1.05		19182	1.22	1.00		40186	1.02	1.09
	6607	0.77	1.26		19182	0.83	1.21		40186	0.77	1.26
	6607	1.23	1.00		19182	1.39	0.94		40186	1.04	1.08
S3	8494	1.60	0.87	S7	22196	1.15	1.03	S11	45903	0.74	1.29
	8494	0.79	1.25		22196	0.71	1.31		45903	0.50	1.56
	8494	0.35	1.86		22196	0.45	1.65		45903	0.22	2.33
	8494	0.51	1.54		22196	0.71	1.32		45903	0.47	1.61
	8494	0.47	1.61		22196	0.70	1.32		45903	0.47	1.62
	8494	0.51	1.54		22196	0.71	1.31		45903	0.48	1.60
	8494	0.82	1.22		22196	1.05	1.08		45903	0.72	1.30
	8494	0.53	1.52		22196	0.75	1.28		45903	0.50	1.56
	8494	0.87	1.18		22196	1.17	1.02		45903	0.78	1.25
S4	11882	0.70	1.32	S8	27972	0.97	1.12	S12	53521	0.70	1.32
	11882	0.49	1.58		27972	0.60	1.42		53521	0.40	1.75
	11882	0.35	1.86		27972	0.34	1.90		53521	0.15	2.87
	11882	0.48	1.60		27972	0.59	1.44		53521	0.34	1.89
	11882	0.48	1.60		27972	0.59	1.44		53521	0.35	1.88
	11882	0.47	1.61		27972	0.62	1.41		53521	0.42	1.70
	11882	0.67	1.35		27972	0.91	1.16		53521	0.77	1.26
	11882	0.51	1.55		27972	0.67	1.35		53521	0.49	1.57
	11882	0.72	1.30		27972	1.04	1.08		53521	0.91	1.16

TABELA 5-8

Variação dos parâmetros de Shields (□*) e Rouse (z)

Cont.

SEÇÕES	dist. (m)	τ*	Z	SEÇÕES	dist. (m)	τ*	Z	SEÇÕES	dist. (m)	τ*	Z
S13	56938	0.60	1.42	S17	83692	0.19	2.51	S21	130913	0.02	7.10
	56938	0.31	1.98		83692	0.10	3.55		130913	0.01	10.04
	56938	0.11	3.39		83692	0.03	6.05		130913	0.00	20.08
	56938	0.23	2.29		83692	0.07	4.19		130913	0.01	14.20
	56938	0.23	2.29		83692	0.07	4.19		130913	0.01	14.20
	56938	0.30	2.02		83692	0.09	3.73		130913	0.01	11.59
	56938	0.56	1.48		83692	0.16	2.76		130913	0.02	8.20
	56938	0.35	1.86		83692	0.10	3.55		130913	0.01	10.04
	56938	0.66	1.36		83692	0.19	2.53		130913	0.02	7.59
S14	59743	0.74	1.29	S18	92684	0.16	2.78	S22	138366	0.05	5.02
	59743	0.38	1.78		92684	0.08	3.94		138366	0.02	7.10
	59743	0.13	3.06		92684	0.02	7.10		138366	0.01	14.20
	59743	0.29	2.05		92684	0.05	4.73		138366	0.02	8.98
	59743	0.29	2.06		92684	0.05	4.73		138366	0.02	8.98
	59743	0.36	1.83		92684	0.07	4.19		138366	0.02	7.59
	59743	0.68	1.34		92684	0.13	3.06		138366	0.04	5.57
	59743	0.42	1.70		92684	0.08	3.94		138366	0.02	7.10
	59743	0.80	1.23		92684	0.15	2.81		138366	0.05	5.18
S15	67439	0.24	2.25	S19	103317	0.17	2.66	S23	147077	0.05	5.18
	67439	0.12	3.14		103317	0.08	3.79		147077	0.02	7.59
	67439	0.04	5.37		103317	0.03	6.69		147077	0.01	14.20
	67439	0.09	3.67		103317	0.06	4.49		147077	0.02	8.98
	67439	0.09	3.73		103317	0.06	4.49		147077	0.02	8.98
	67439	0.11	3.30		103317	0.08	4.02		147077	0.02	7.59
	67439	0.21	2.42		103317	0.14	2.93		147077	0.04	5.57
	67439	0.13	3.06		103317	0.08	3.79		147077	0.02	7.10
	67439	0.25	2.23		103317	0.17	2.68		147077	0.05	5.18
S16	75135	0.19	2.51	S20	118446	0.03	6.35	S24	159689	0.12	3.14
	75135	0.10	3.55		118446	0.02	8.98		159689	0.06	4.61
	75135	0.03	6.05		118446	0.01	14.20		159689	0.02	8.20
	75135	0.07	4.19		118446	0.01	11.59		159689	0.04	5.57
	75135	0.07	4.19		118446	0.01	11.59		159689	0.04	5.57
	75135	0.09	3.73		118446	0.01	10.04		159689	0.05	4.87
	75135	0.16	2.73		118446	0.02	7.10		159689	0.10	3.50
	75135	0.10	3.50		118446	0.02	8.98		159689	0.06	4.49
	75135	0.19	2.53		118446	0.03	6.35		159689	0.12	3.22

TABELA 5-8

Variação dos parâmetros de Shields (□*) e Rouse (z)

Cont.

SEÇÕES	dist. (m)	τ*	Z
S25	168835	0.99	1.11
	168835	0.47	1.62
	168835	0.15	2.90
	168835	0.31	1.99
	168835	0.30	2.03
	168835	0.39	1.76
	168835	0.74	1.28
	168835	0.45	1.65
	168835	0.87	1.19
S26	177142	0.54	1.51
	177142	0.25	2.20
	177142	0.08	3.94
	177142	0.17	2.68
	177142	0.17	2.71
	177142	0.22	2.35
	177142	0.43	1.69
	177142	0.26	2.18
	177142	0.51	1.55
S27	180307	0.55	1.48
	180307	0.25	2.20
	180307	0.08	4.02
	180307	0.17	2.68
	180307	0.16	2.73
	180307	0.21	2.44
	180307	0.40	1.75
	180307	0.23	2.32
	180307	0.47	1.61
S28	185340	1.10	1.06
	185340	0.48	1.60
	185340	0.15	2.90
	185340	0.34	1.89
	185340	0.33	1.91
	185340	0.42	1.71
	185340	0.86	1.19
	185340	0.47	1.61
	185340	1.05	1.08

As **FIGURAS 5-13 e 5-14** apresentam as variações longitudinais dos parâmetros de Shields e de Rouse, indicando novamente baixa mobilidade a partir da região das ilhas e bancos de areia.

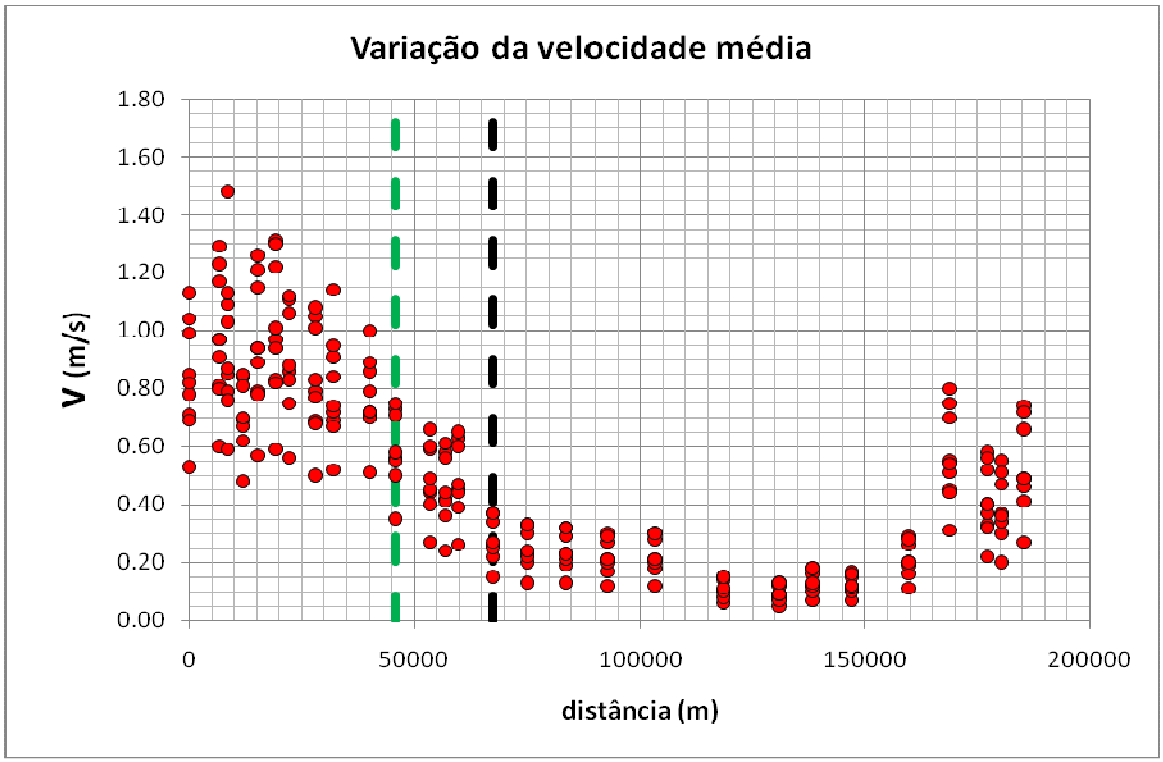


FIGURA 5-10 - Variação da velocidade média ao longo do percurso

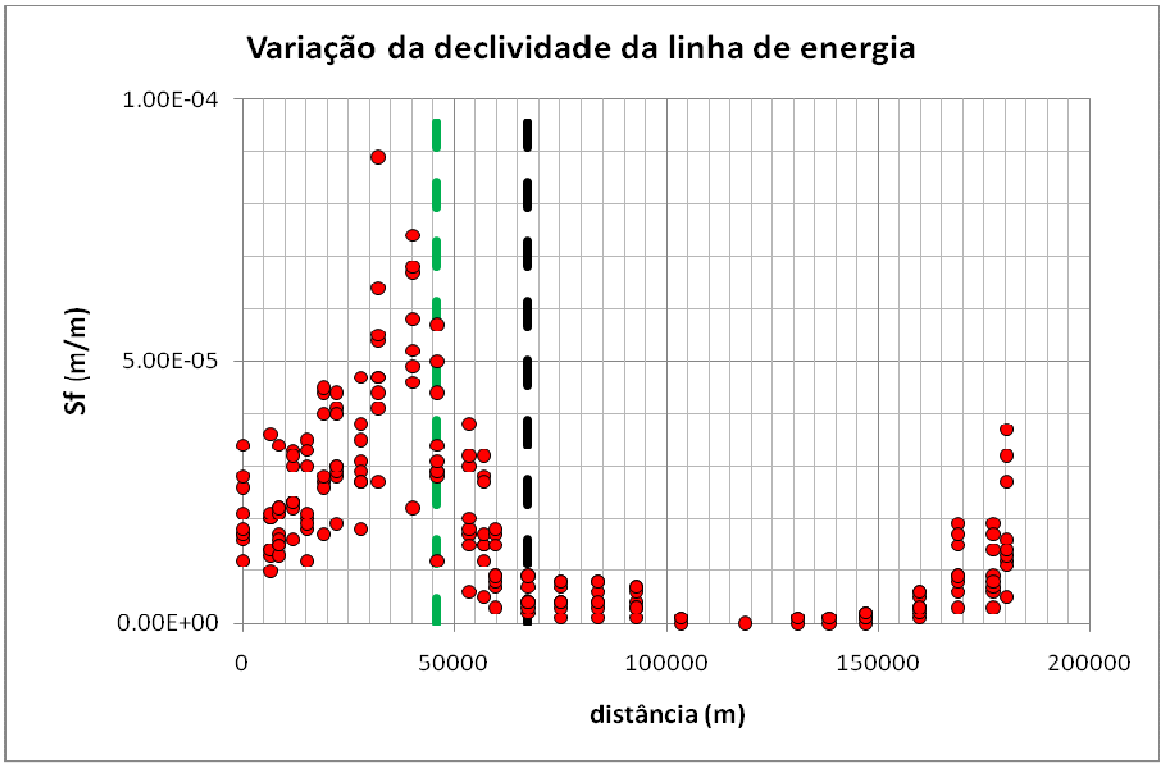


FIGURA 5-11 - Variação da declividade da linha de energia ao longo do percurso

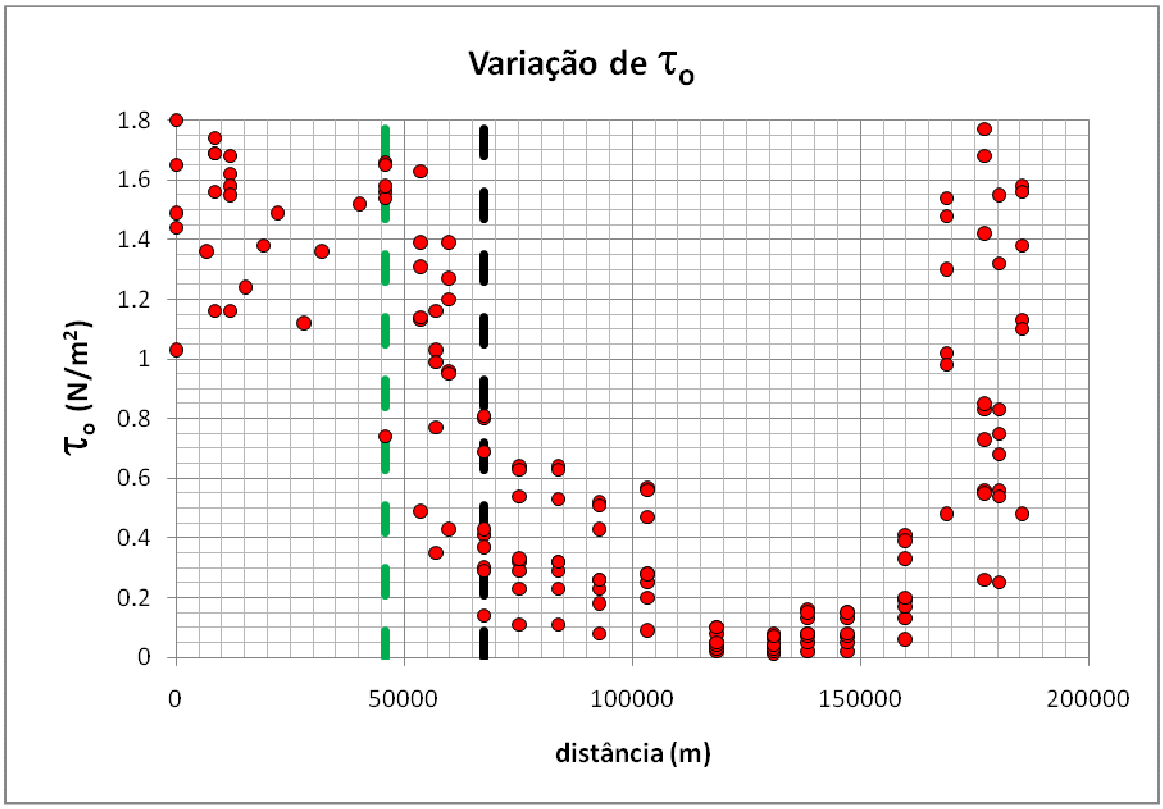


FIGURA 5-12 - Variação da tensão de cisalhamento no leito ao longo do percurso

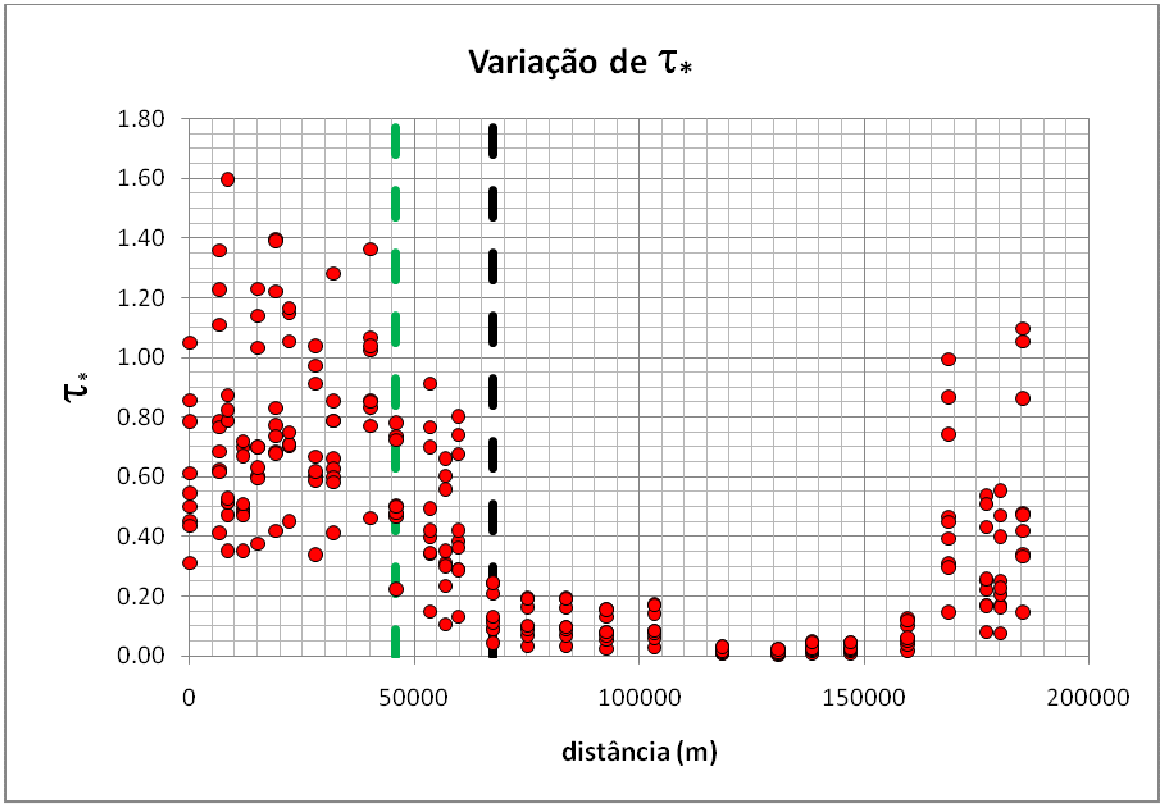


FIGURA 5-13 - Variação do parâmetro de Shields ao longo do percurso

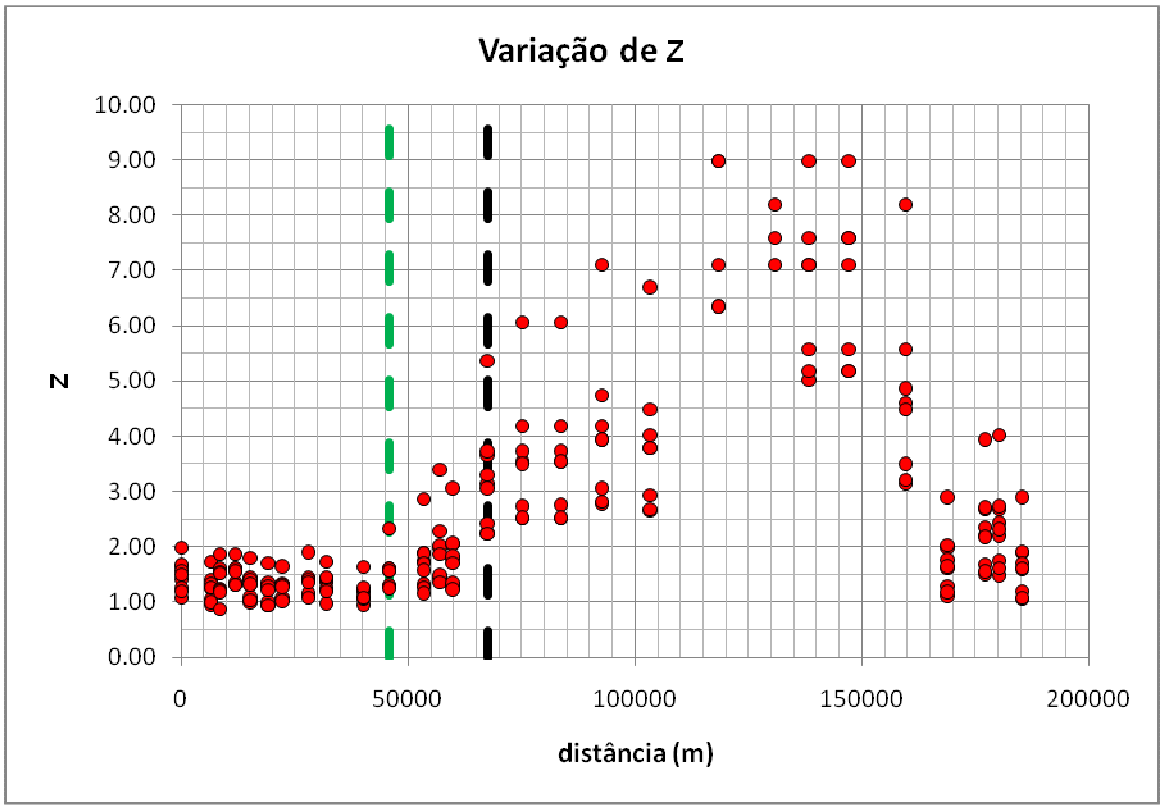


FIGURA 5-14 – Variação do parâmetro de Rouse. Valores superiores a 3 indicam praticamente a imobilização dos sedimentos do leito.

5.4 Efeitos Hidrodinâmicos Localizados

Além destes casos típicos gerais existem efeitos secundários, que podem ser tratados especificamente, se o caso assim o requerer. Como exemplo pode-se citar o efeito de encouraçamento de leito, ou seja, a segregação de sedimentos formando uma couraça (pavimentação) de material mais grosseiro na superfície do leito. Este fenômeno ocorre quando os sedimentos do leito são bem distribuídos (valor significativo do desvio padrão da distribuição granulométrica) acarretando uma redução dos níveis de erosão. A presença significativa de seixos no leito, mesmo que localizados produziria a pavimentação do leito. O modelo HEC-RAS prevê este efeito no cálculo do potencial de erosão do leito.

A conservação dos bancos de areia, preocupação que originou este estudo, depende de forma importante da morfologia fluvial. Num rio existem áreas propícias a erosão de margens e áreas de deposição, responsáveis por processos de evolução de meandros ou outras alterações de traçado, dentro do que se entende como situação de equilíbrio morfológico. Correntes helicoidais produzem uma seção assimétrica em curvas com erosão da margem côncava e deposição da margem convexa, como se exemplifica na **FIGURA 5-15**.

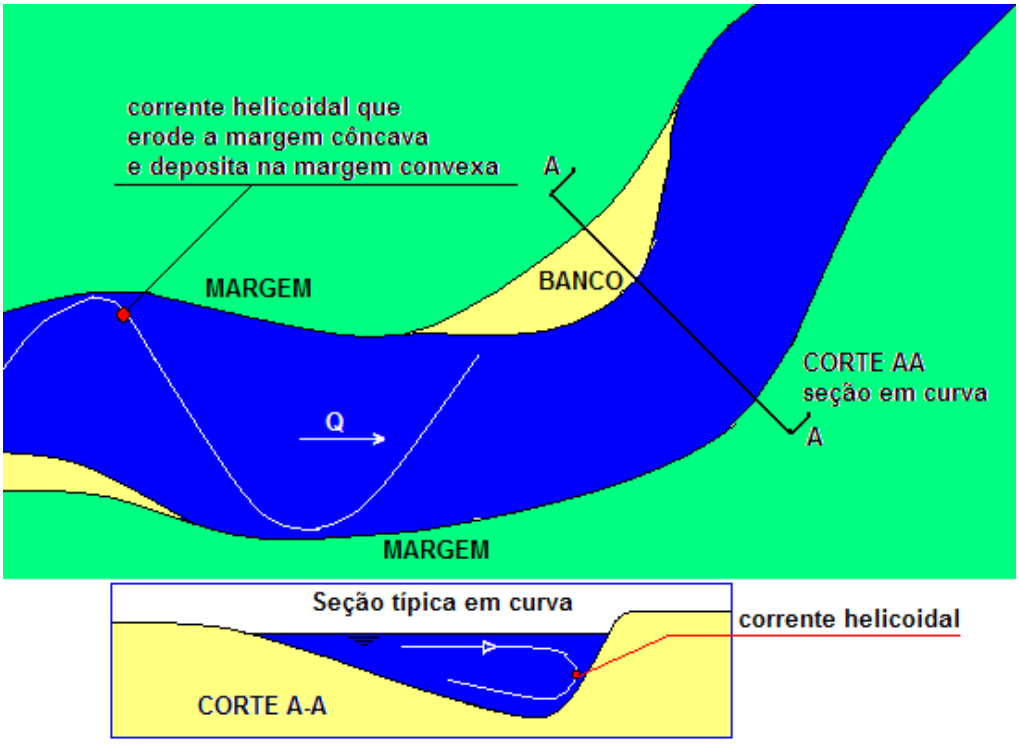


FIGURA 5-15 – Traçado típico num trecho meandrado de rio.

Podem ocorrer ainda zonas de sombra de escoamento (descolamento) que produzem áreas de recirculação. Essa zona de recirculação cria condições para a deposição de sedimentos carregados em suspensão, conforme se exemplifica na **FIGURA 5-16**.

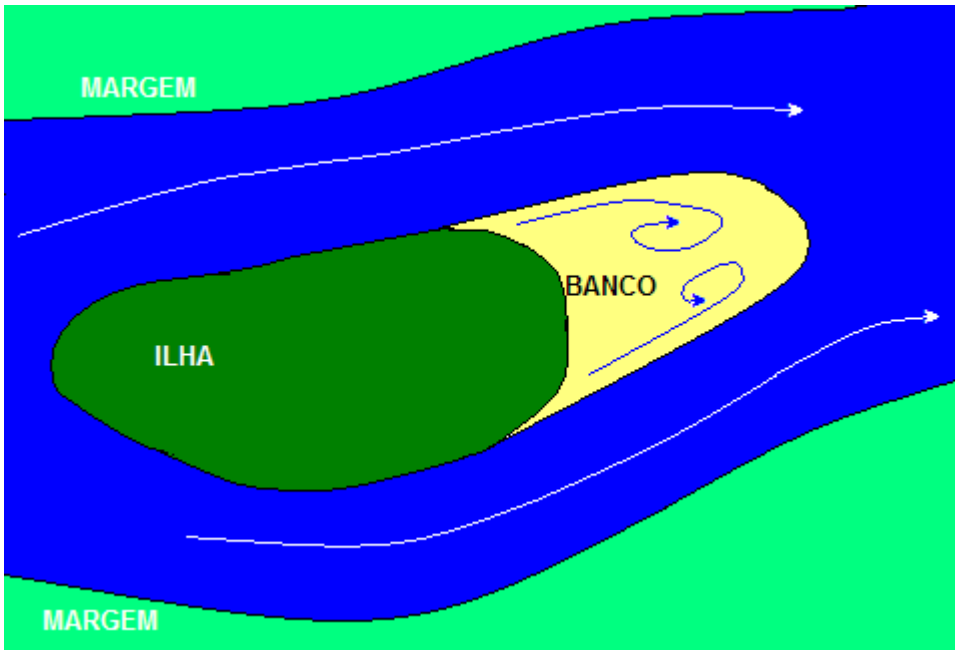


FIGURA 5-16 – Zona de sombra a jusante de ilha.
A região de recirculação propícia a deposição

Tanto esse exemplo como o anterior não são frutos de desequilíbrio, mas uma condição natural do escoamento que produz a evolução de uma margem convexa ou o prolongamento de uma ilha. No caso de corte do suprimento de sedimentos ocorrerá uma estabilização do processo, pois não há corrente nestas áreas que possam produzir erosões nestas regiões. Alguns bancos, objeto deste estudo, encontram-se a jusante de ilhas ou em zonas de sombra de escoamento.

Um outro aspecto a ressaltar refere-se aos resultados apresentados na **FIGURA 5-9**, sobre a distribuição de concentrações na seção 8 e os resultados obtidos do parâmetro de Rouse ao longo do percurso (**FIGURA 5-14**). Observa-se que grande parte dos sedimentos transportados em suspensão irá ultrapassar os limites do barramento de Belo Monte uma vez que trata-se de sedimentos muito finos na faixa dos siltes. Estes sedimentos praticamente não contribuem para as transformações morfológicas do rio (carga de lavagem). Em outras palavras, o barramento, que irá funcionar a fio d'água, não irá alterar de forma significativa o regime de transporte sólido a jusante.

Apenas como observação final, lembrando que a tensão de cisalhamento é proporcional à altura de coluna d'água, dada pela equação:

$$\tau_o = \rho.v_*^2 = \gamma.h.Sf$$

Mesmo que houvesse escoamento sobre as regiões de praia, as tensões de cisalhamento seriam muito inferiores às que ocorrem no leito e estas, conforme já foi visto nos resultados de cálculos, também são bastante reduzidas na região dos bancos de areia.

6. CONSIDERAÇÕES FINAIS

Mesmo com os resultados de modelação e outras indicações de estabilidade da região dos bancos de areia quanto à possibilidade de processos erosivos, é conveniente que se faça um monitoramento de longo prazo para o acompanhamento do comportamento morfológico desta região para fazer frente a eventuais situações atípicas que possam alterar estas tendências (ex. passagem de uma cheia excepcional, efeitos de ondas produzidas por embarcações, etc.).

Pretende-se três tipos de monitoramento, que são: planialtimétrico e topobatimétrico; medição de velocidades; instalação de estação hidrossedimentométrica.

a) Levantamentos planialtimétricos e topobatimétricos

A região a ser monitorada deve abranger o trecho entre a seção 8 e a seção 15, com detalhamento do levantamento da calha fluvial com seções auxiliares de monitoramento situadas entre as seções 11 e 15, conforme indicação da **FIGURA 6-1**. Neste último trecho devem-se implantar marcos georreferenciados para cada seção, em locais seguros de inundações ordinárias.

Esta base de monitoramento deve ser implantada antes do fechamento da barragem. A periodicidade usual de monitoramento fluvial é da ordem de 5 anos, podendo haver antecipação no caso de alguma ocorrência que possa causar uma alteração significativa (uma passagem de onda de cheia importante ou alguma ação instabilizadora não prevista no estudo). Este monitoramento poderá ser interrompido a partir do momento que os levantamentos sistemáticos evidenciem uma situação de estabilidade.

De qualquer forma, foi preconizado um levantamento detalhado da morfologia da RIA na região, em especial dos bancos de areia que ficam expostos na estiagem, para possibilitar a comparação de levantamentos realizados em várias épocas, com maior confiabilidade.

Na região entre as seções 11 e 15 deve ser feito o levantamento da topografia com a utilização de perfilamento a laser, que garante o mapeamento planialtimétrico com a precisão necessária aos estudos.

No canal principal do rio Xingu, logo a jusante da seção 11 deve-se implantar seções de monitoramento georreferenciadas aos marcos instalados. A distância aproximada entre as seções deve ser feita conforme indicado no desenho esquemático da **FIGURA 6-1 -** perfazendo um total da ordem de 20 seções transversais ao rio. Estas seções permitirão definir o relevo batimétrico do trecho e as curvas de nível junto às margens em especial na região dos bancos.

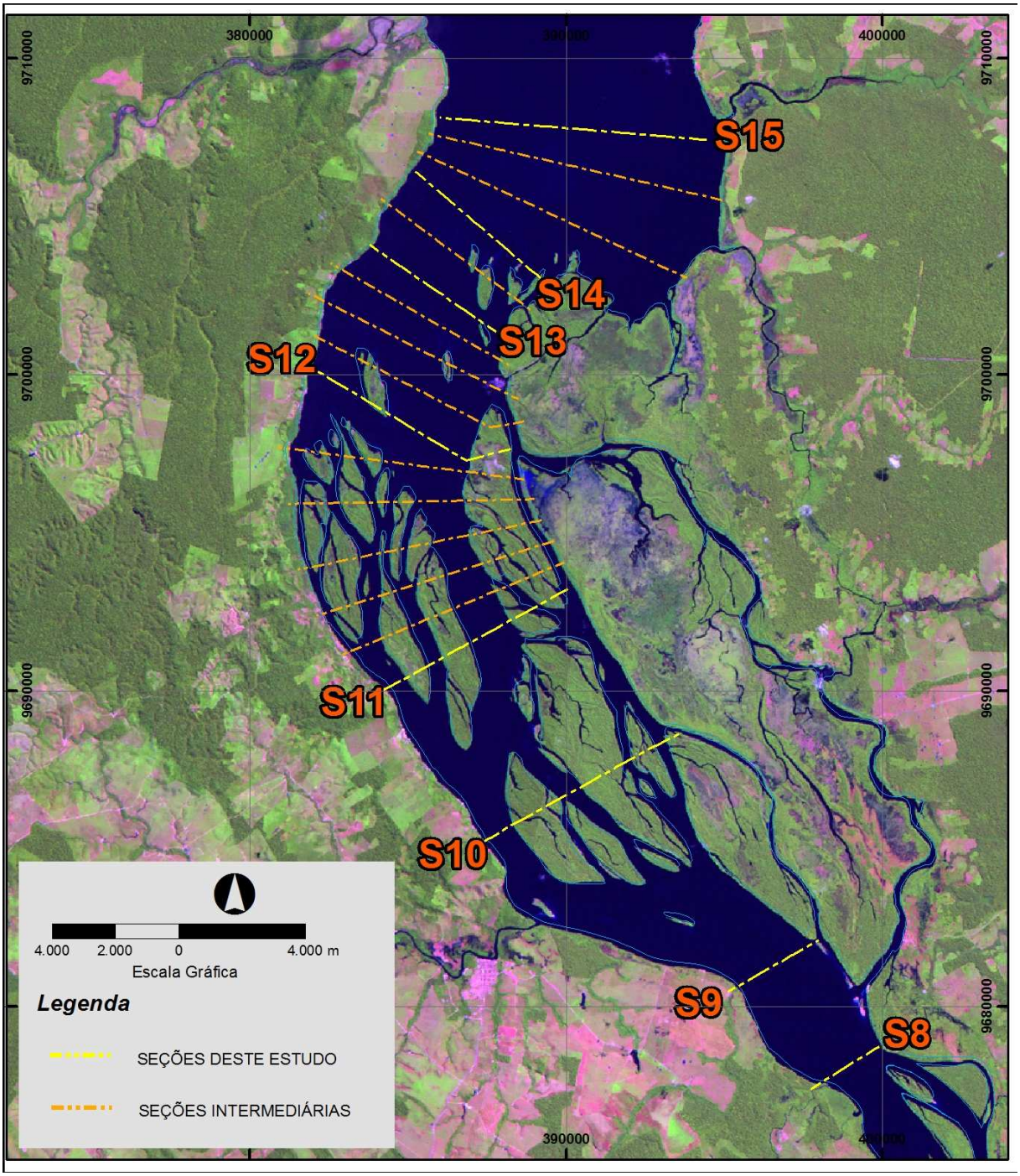


FIGURA 6-1 - Detalhamento das seções de monitoramento e bancos

b) Medição de velocidades

Através da análise da morfologia da região entre as seções 8 e 15, é possível concluir que a região do Banco do Juncal encontra-se em uma região de sombra, sujeita a velocidades baixas e pontos de estagnação.

Para comprovar esta assertiva é conveniente também, no monitoramento preliminar, fazer um levantamento mais detalhado do campo de velocidades nas seções de monitoramento, seções 12 e 13, e sobre os bancos submersos. Está previsto o levantamento em uma situação de estiagem e numa de cheia. Não há necessidade de repetir estas medições posteriormente, a menos que ocorram processos erosivos não esperados. Neste caso, estas medições servirão para identificar as causas da instabilização.

Ainda na hipótese de alguma ocorrência de erosão não prevista (por exemplo, erosão de margem, avançando em direção às praias), este processo em geral é lento, com tempo suficiente para que se tomem medidas de proteção convencionais contra o processo erosivo. Porém, num caso como este, deve-se analisar a causa da instabilização e atuar no sentido de proteger os bancos, atendendo as premissas ambientais (no caso, a proteção do meio físico para a procriação dos quelônios).

c) Instalação de estação hidrossedimentométrica

Para caracterizar as condições de transporte de sedimentos na região de maior interesse, recomenda-se a instalação de estação hidrossedimentométrica nas imediações da seção 8. Nesta estação deve-se efetuar quatro medições anuais de transporte sólido em suspensão e de fundo, sendo uma na estiagem, uma no início das chuvas e duas durante a cheia.

Prevê-se a execução das medições durante o período anterior à execução do empreendimento e ao longo de igual período, após o término de construção do mesmo.

7. EQUIPE TÉCNICA

A Equipe Técnica é formada pelos seguintes profissionais:

- Engº Carlos Lloret Ramos
- Engº David Michael Delgado
- Engº Pedro Diego Jensen
- Engº Rubens Terra Barth

8. Referências Bibliográficas

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9. ANEXOS

ANEXO 1

Fotos

Foto 1 – Ilha do Cosme – Local de desova das tartarugas

Foto 2 – Coleta de amostra de fundo

Foto 3 – Material predominante nas Seções de 15 a 28

Foto 4 – Amostra embalada e etiquetada

Foto 5 – Régua de Altamira (circulo amarelo)

Foto 6 – Identificação das Amostras

Foto 7 – Amostras no Laboratório

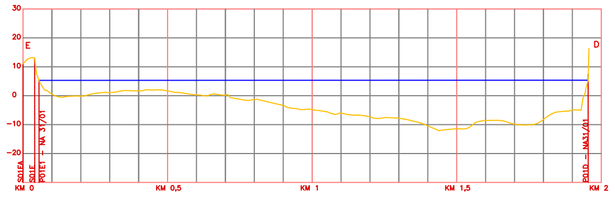
Foto 8 – Determinação da Concentração

Foto 9 – Medição de Velocidade

ANEXO 2

Plantas e Seções Topobatimétricas

SEÇÃO 01



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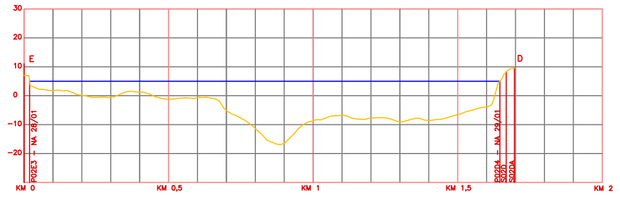

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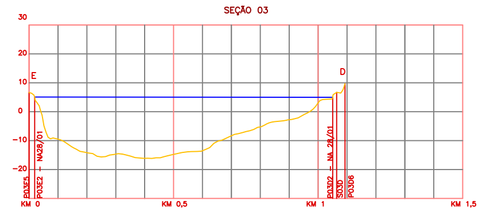

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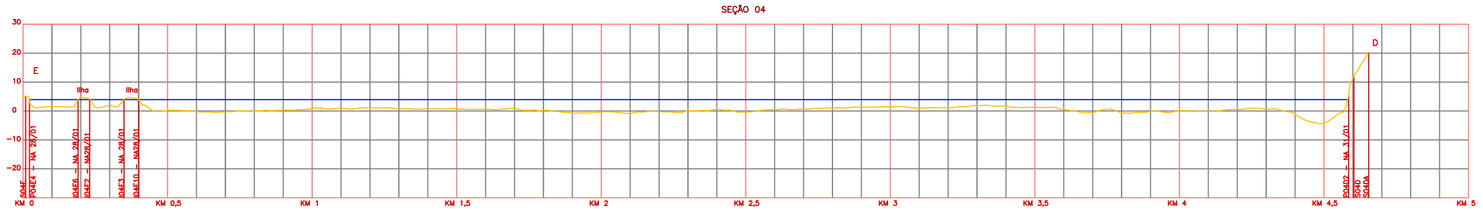

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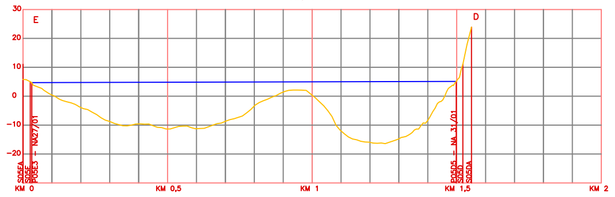

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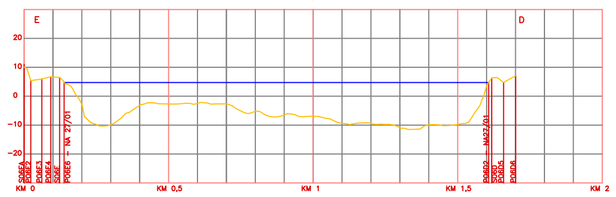

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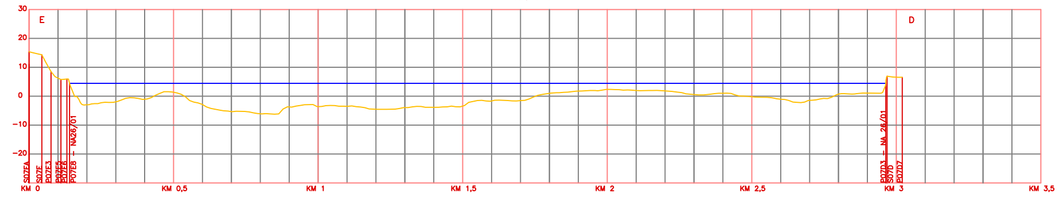
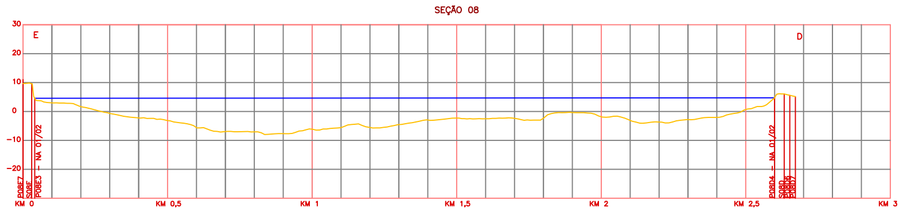


SEÇÃO 08



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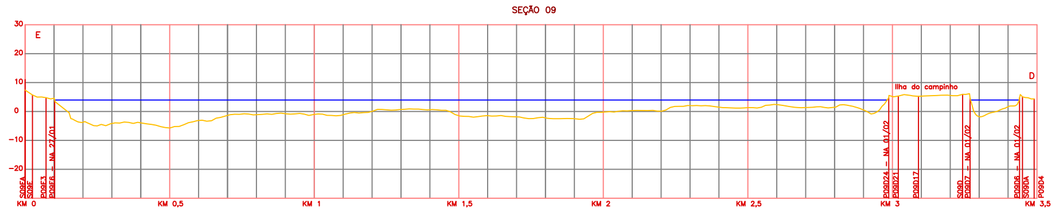
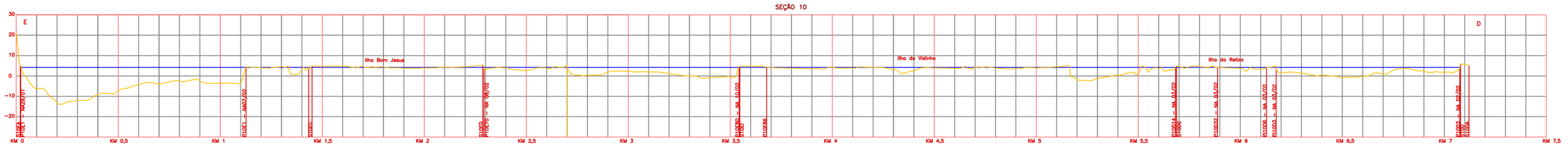


SEÇÃO 10



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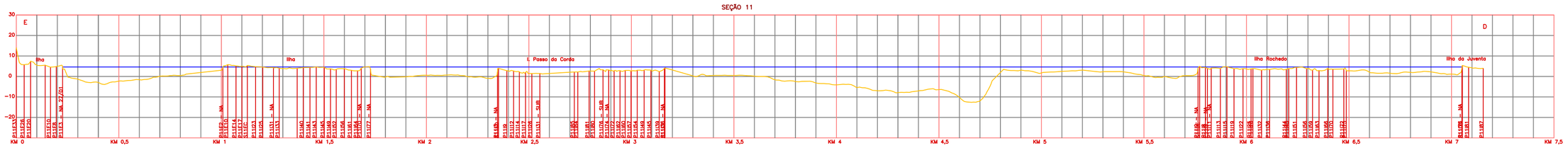

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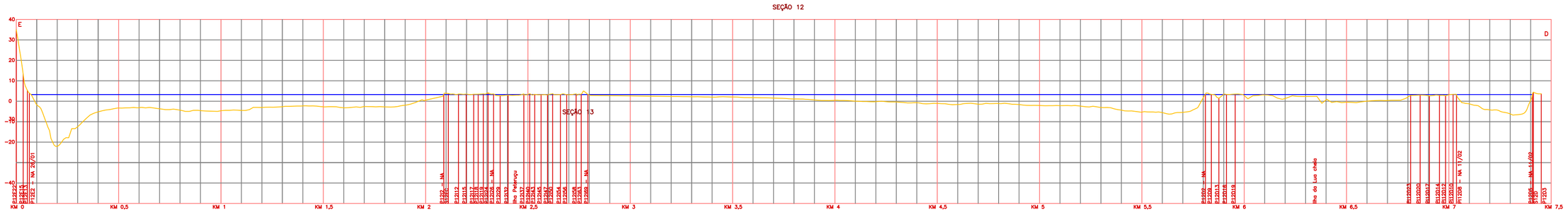

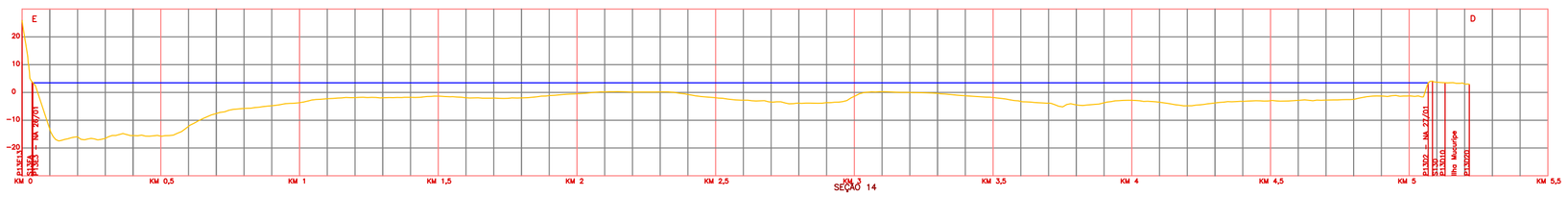

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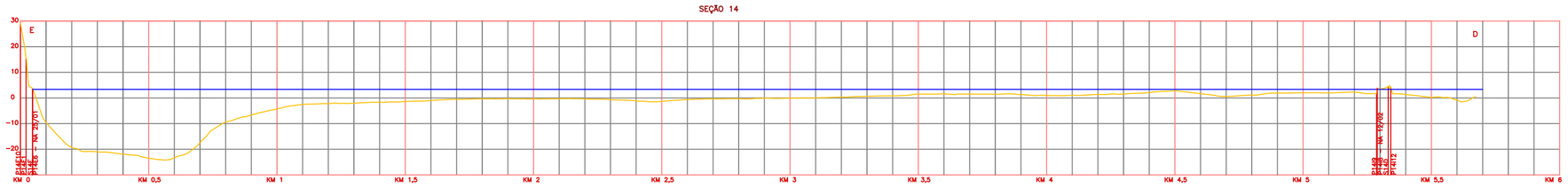
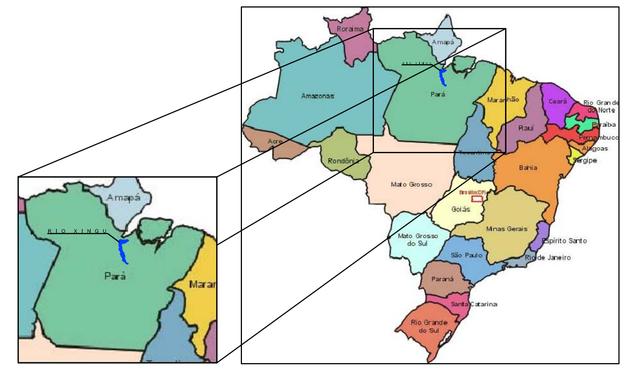


LEGENDA

NA – RIO XINGÚ

TERRENO

PLANTA DE LOCALIZAÇÃO



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campo: PEDRO FRANCISCO	visto:
calculista: ADRIANO CALIMAN/GIVANILDO	revisão
desenhista: ADEMIR GOMES FELIX	data: MARÇO/2011

RIO XINGÚ

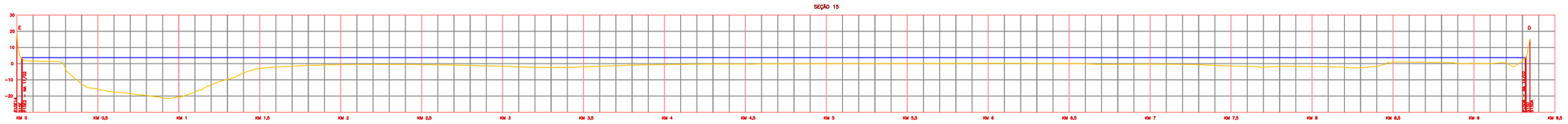
LEVANTAMENTO TOPOBATIMÉTRICO

Seções 01 a 14

ESCALA: H=15.000 V= 1.500

THEMAG

SEÇÃO 15



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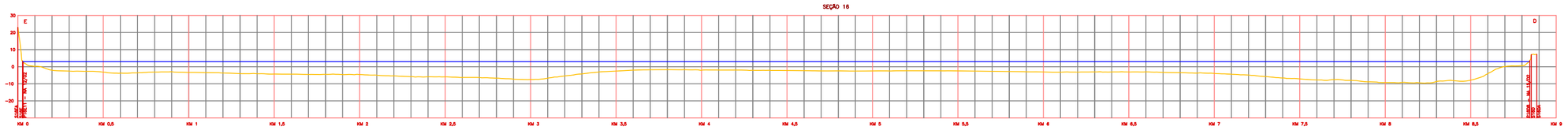

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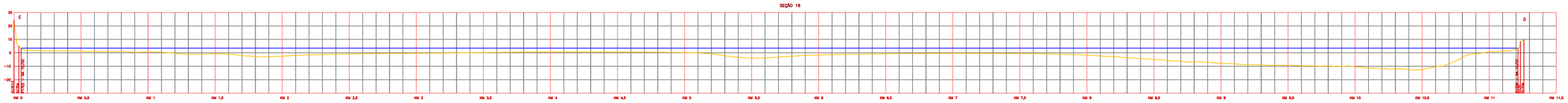

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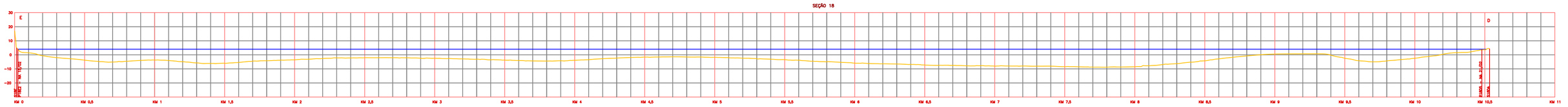

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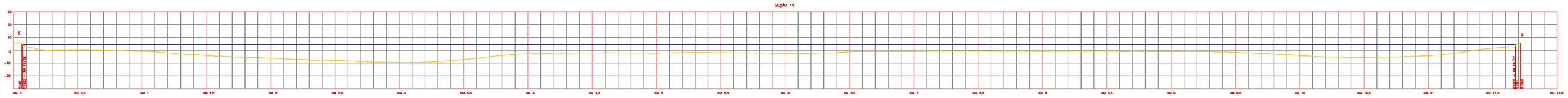

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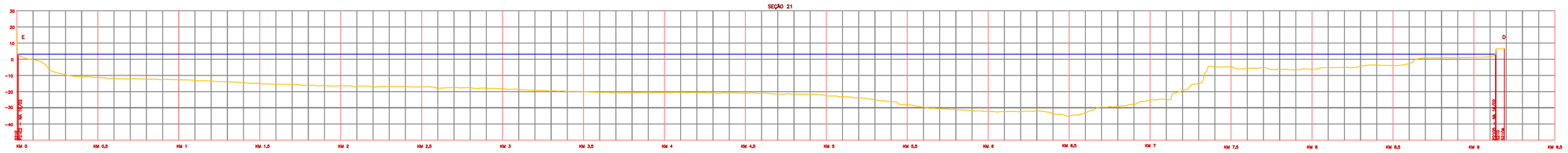
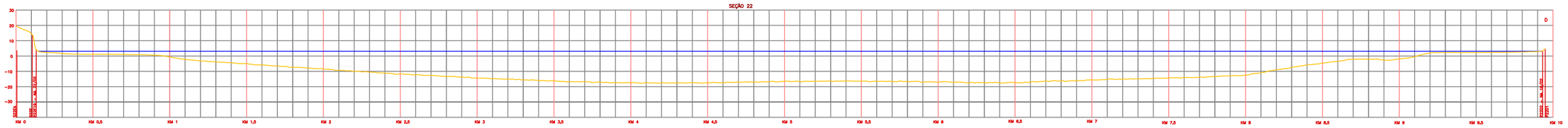


SEÇÃO 22



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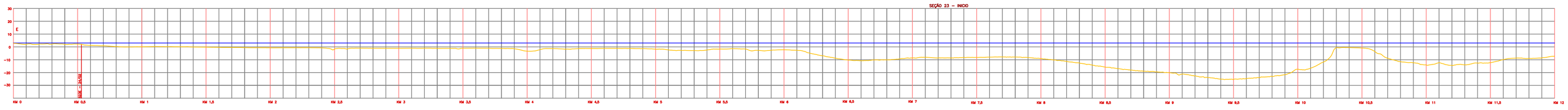
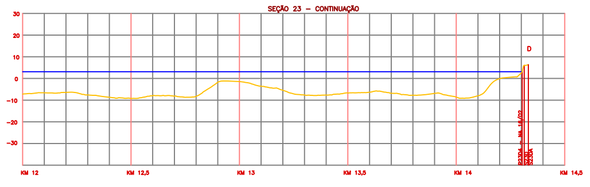


SEÇÃO 23 – CONTINUAÇÃO



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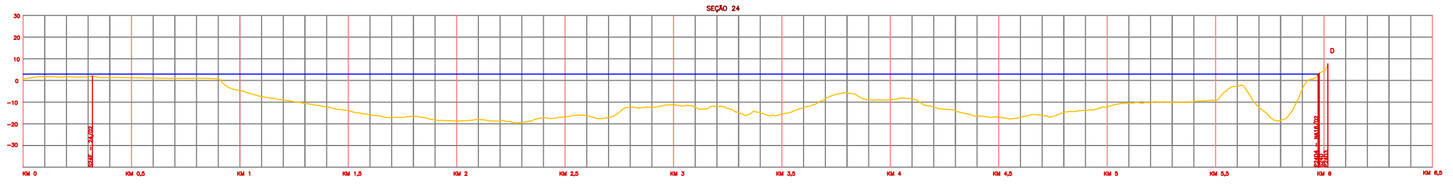

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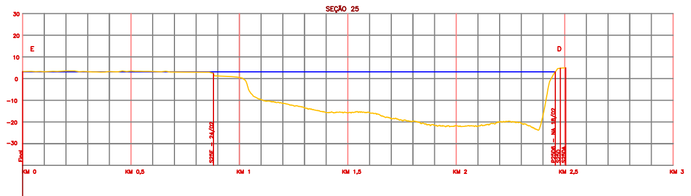

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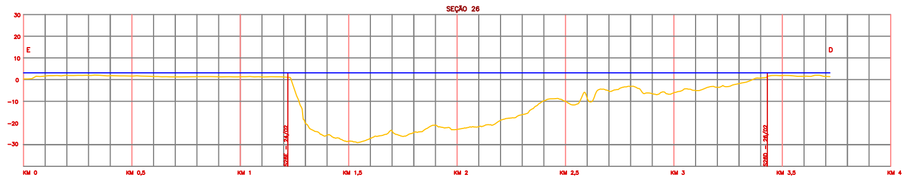

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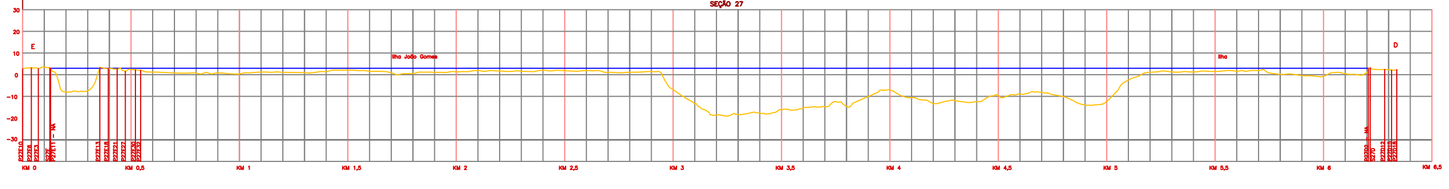

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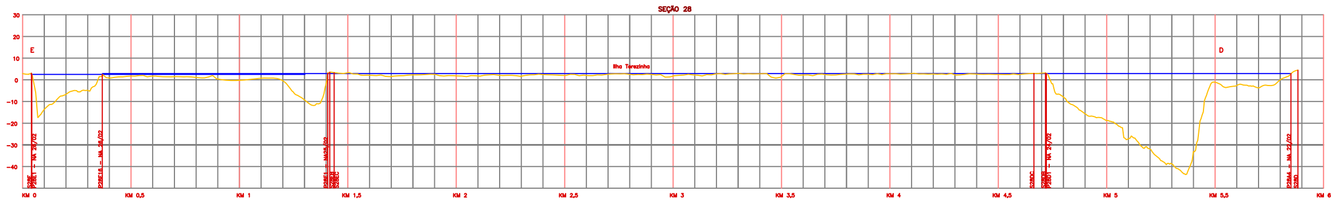
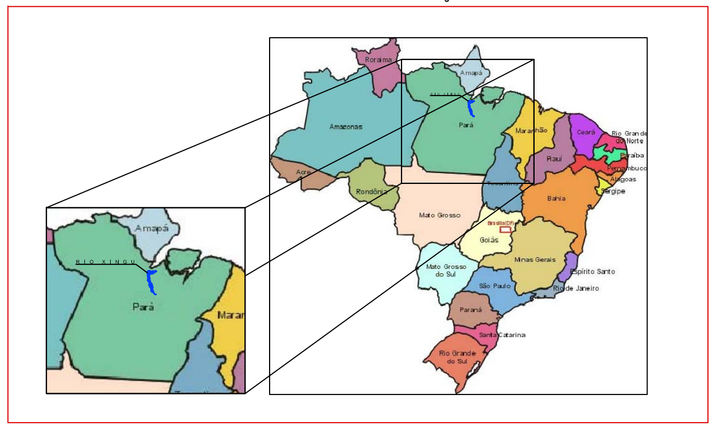


LEGENDA

NA – RIO XINGÚ

TERRENO

PLANTA DE LOCALIZAÇÃO



Topocart
Novos horizontes. Grandes projetos.

RT: GIVANILDO JOSÉ SILVA
CREA–DF 11522/D

campo: PEDRO FRANCISCO	visto:
calculista: ADRIANO CALIMAN/GIVANILDO	revisão
desenhista: ADEMIR GOMES FELIX	data: MARÇO/2011

RIO XINGÚ

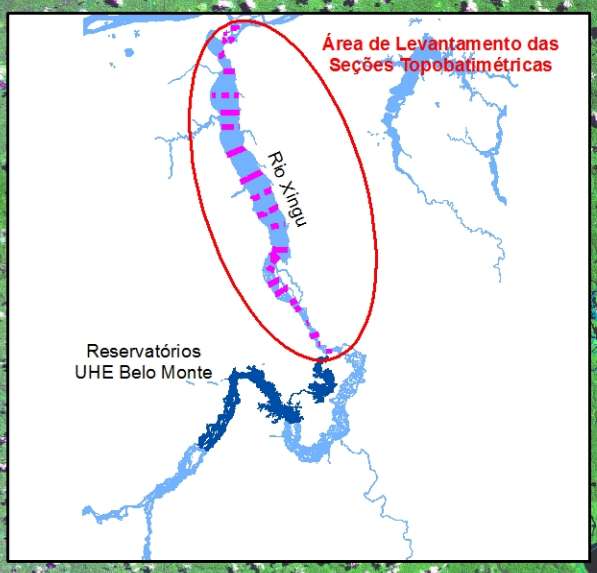
LEVANTAMENTO TOPOBATIMÉTRICO

Seções 15 a 28

ESCALA: H=20.000 V= 2.000

THEMAG

SEÇÕES BATIMÉTRICAS



S28 S26 S27 S25 S24 S23 S22 S21 S20 S19 S18 S17 S16 S15 S14 S13 S12 S11 S10 S9 S8 S7 S6 S5 S4 S3 S2 S1

REGIÃO DOS TABULEIROS

CASA DE FORÇA PRINCIPAL

RESERVATÓRIO INTERMEDIÁRIO

320000 340000 360000 380000 400000 420000 440000

9820000 9800000 9780000 9760000 9740000 9720000 9700000 9680000 9660000

Escala Gráfica

10.000 5.000 0 10.000 m

Legenda

S15 SEÇÕES

PONTO DE COLETA - SEDIMENTOS

LEME

SEÇÕES BATIMÉTRICAS
RIA DO XINGU
UHE BELO MONTE

ANEXO 3

Seções Topobatimétricas Discretizadas

Planilha de pontos das seções topobatimétricas
SITEMA DE COORDENADAS - SAD 69
FUSO - 22 SUL
ALTITUDE ORTOMÉTRICAS MAPGEO2010
Topocart Novos horizontes. Grandes projetos.

PONTO	E	N	COTA
A - S01EA	414462,918	9655374,783	11,062
A - P01E5	414463,934	9655389,650	12,637
A - P01E4	414464,985	9655405,009	13,222
A - S01E	414465,660	9655414,891	13,019
A - P01E3	414466,118	9655421,586	7,455
A - P01E	414466,530	9655427,599	6,000
A - P01E1 - N	414466,686	9655429,887	5,310
A - P01E2 - S	414466,864	9655432,484	4,656
A - 14686	414467,895	9655447,565	2,180
A - 14685	414468,141	9655451,161	1,880
A - 14684	414468,442	9655455,566	1,880
A - 14683	414468,803	9655460,836	1,540
A - 14682	414469,203	9655466,687	1,020
A - 14681	414469,636	9655473,026	0,650
A - 14680	414470,122	9655480,133	0,250
A - 14679	414470,652	9655487,883	-0,130
A - 14678	414471,193	9655495,786	-0,340
A - 14677	414471,751	9655503,952	-0,530
A - 14676	414472,338	9655512,537	-0,490
A - 14675	414472,974	9655521,836	-0,350
A - 14674	414473,682	9655532,183	-0,170
A - 14673	414474,128	9655538,700	-0,210
A - 14672	414475,035	9655551,970	-0,080
A - 14671	414476,362	9655571,381	-0,110
A - 14670	414477,346	9655585,762	-0,110
A - 14669	414478,325	9655600,081	0,330
A - 14668	414479,295	9655614,266	0,660
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A - 14666	414481,233	9655642,598	1,030
A - 14665	414482,209	9655656,873	1,180
A - 14664	414483,193	9655671,264	1,060
A - 14663	414484,178	9655685,662	1,160
A - 14662	414485,157	9655699,979	1,330
A - 14661	414486,131	9655714,216	1,690
A - 14660	414487,097	9655728,344	1,800
A - 14659	414488,067	9655742,526	1,790
A - 14658	414489,047	9655756,859	1,730
A - 14657	414490,029	9655771,220	1,620
A - 14656	414491,044	9655786,068	1,710
A - 14655	414492,029	9655800,466	2,060
A - 14654	414493,011	9655814,827	1,980
A - 14653	414493,988	9655829,119	1,970
A - 14652	414494,930	9655842,893	2,050
A - 14651	414495,900	9655857,071	1,990
A - 14650	414496,898	9655871,662	1,700
A - 14649	414497,856	9655885,675	1,460
A - 14648	414498,782	9655899,210	1,150
A - 14647	414499,690	9655912,497	1,160
A - 14646	414500,567	9655925,308	0,950
A - 14645	414501,492	9655938,843	0,770
A - 14644	414502,377	9655951,786	0,530
A - 14643	414503,220	9655964,107	0,370
A - 14642	414504,068	9655976,501	0,300
A - 14641	414504,909	9655988,812	0,190
A - 14640	414505,684	9656000,140	-0,010
A - 14639	414506,420	9656010,906	-0,100
A - 14638	414507,148	9656021,542	0,450
A - 14637	414507,839	9656031,649	0,600
A - 14636	414508,529	9656041,746	0,480
A - 14635	414509,205	9656051,619	0,370
A - 14634	414509,803	9656060,365	0,220
A - 14633	414510,298	9656067,613	0,150
A - 14632	414510,666	9656072,990	0,190
A - 14631	414510,964	9656077,344	0,300
A - 14630	414511,225	9656081,164	0,430
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A - 14628	414512,857	9656105,027	-0,910
A - 14627	414513,927	9656120,674	-1,150
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A - 14625	414516,057	9656151,817	-1,650
A - 14624	414517,115	9656167,285	-1,390
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A - 14622	414519,218	9656198,035	-1,570
A - 14621	414520,255	9656213,197	-1,950
A - 14620	414521,285	9656228,272	-2,300
A - 14619	414522,318	9656243,375	-2,720
A - 14618	414523,353	9656258,504	-3,000
A - 14617	414524,383	9656273,571	-3,350
A - 14616	414525,382	9656288,176	-4,100
A - 14615	414526,414	9656303,267	-4,340
A - 14614	414527,451	9656318,432	-4,480
A - 14613	414528,490	9656333,615	-4,830

PONTO	E	N	COTA
A - 14612	414529,528	9656348,798	-4,750
A - 14611	414530,561	9656363,898	-4,610
A - 14610	414531,581	9656378,816	-4,970
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A - 14607	414534,651	9656423,713	-5,540
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A - 14602	414539,780	9656498,711	-6,560
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A - 14600	414541,812	9656528,419	-6,680
A - 14599	414542,783	9656542,618	-6,780
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A - 14596	414545,690	9656585,130	-7,770
A - 14595	414546,666	9656599,397	-7,890
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A - 14593	414548,596	9656627,628	-7,520
A - 14592	414549,557	9656641,674	-7,620
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A - 14588	414553,367	9656697,392	-8,180
A - 14587	414554,314	9656711,236	-8,540
A - 14586	414555,289	9656725,486	-8,920
A - 14585	414556,242	9656739,420	-9,190
A - 14584	414557,206	9656753,525	-9,670
A - 14583	414558,179	9656767,746	-10,210
A - 14582	414559,155	9656782,019	-10,870
A - 14581	414560,128	9656796,251	-11,450
A - 14580	414561,068	9656809,996	-12,090
A - 14579	414562,035	9656824,143	-11,830
A - 14578	414563,013	9656838,436	-11,710
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A - 14576	414564,973	9656867,093	-11,390
A - 14575	414565,933	9656881,141	-11,450
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A - 14570	414570,715	9656951,067	-8,870
A - 14569	414571,673	9656965,072	-8,600
A - 14568	414572,632	9656979,094	-8,550
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A - 14547	414591,052	9657248,435	-5,330
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A - 14542	414593,525	9657284,604	-4,910
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A - 14537	414595,738	9657316,964	2,440
A - P01D - I	414596,279	9657324,875	5,385
A - 3	414596,484	9657327,868	16,385

PONTO	E	N	COTA
A - P02E6	408137,008	9659501,574	6,957
A - P02E5	408146,766	9659505,767	6,948
A - P02E1	408152,707	9659508,320	6,902
A - P02E3 -	408154,750	9659509,198	5,009
A - P02E4	408156,785	9659510,072	3,574
A - 14416	408184,873	9659522,141	2,209
A - 14417	408187,692	9659523,353	2,199
A - 14418	408191,204	9659524,862	2,189
A - 14419	408195,154	9659526,559	2,199
A - 14420	408198,940	9659528,185	2,239
A - 14421	408202,411	9659529,677	2,099
A - 14422	408205,755	9659531,114	1,989
A - 14423	408209,224	9659532,605	1,949
A - 14424	408213,718	9659534,535	1,889
A - 14425	408218,836	9659536,735	1,819
A - 14426	408224,559	9659539,194	1,819
A - 14427	408230,509	9659541,750	1,819
A - 14428	408237,283	9659544,661	1,809
A - 14429	408245,261	9659548,089	1,959
A - 14430	408254,142	9659551,905	1,799
A - 14431	408263,594	9659555,967	1,699
A - 14432	408273,433	9659560,194	1,779
A - 14433	408283,482	9659564,512	1,399
A - 14434	408293,681	9659568,894	1,029
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A - 14437	408324,669	9659582,209	0,059
A - 14438	408335,072	9659586,679	-0,091
A - 14439	408345,965	9659591,360	-0,411
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A - 14443	408393,643	9659611,846	-0,441
A - 14444	408406,204	9659617,244	-0,621
A - 14445	408419,172	9659622,816	-0,471
A - 14446	408432,381	9659628,491	0,019
A - 14447	408445,882	9659634,292	0,699
A - 14448	408459,548	9659640,165	1,289
A - 14449	408473,292	9659646,070	1,489
A - 14450	408487,108	9659652,007	1,399
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A - 14452	408514,632	9659663,833	1,269
A - 14453	408528,337	9659669,722	0,839
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A - 14456	408569,023	9659687,204	-0,791
A - 14457	408582,455	9659692,976	-1,071
A - 14458	408595,911	9659698,757	-1,301
A - 14459	408609,405	9659704,556	-1,181
A - 14460	408622,939	9659710,371	-0,991
A - 14461	408636,513	9659716,204	-0,821
A - 14462	408650,157	9659722,066	-0,721
A - 14463	408663,796	9659727,927	-0,831
A - 14464	408677,388	9659733,767	-0,961
A - 14465	408690,968	9659739,602	-0,501
A - 14466	408704,534	9659745,431	-0,651
A - 14467	408718,118	9659751,268	-0,581
A - 14468	408731,665	9659757,089	-0,831
A - 14469	408744,877	9659762,766	-1,071
A - 14470	408757,788	9659768,314	-1,901
A - 14471	408770,887	9659773,942	-4,181
A - 14472	408784,187	9659779,657	-5,451
A - 14473	408797,545	9659785,397	-6,321
A - 14474	408810,933	9659791,149	-6,841
A - 14475	408824,507	9659796,981	-7,651
A - 14476	408838,388	9659802,946	-8,461
A - 14477	408852,436	9659808,982	-9,541
A - 14478	408866,605	9659815,071	-10,811
A - 14479	408880,820	9659821,178	-12,241
A - 14480	408895,053	9659827,294	-13,661
A - 14481	408909,328	9659833,428	-15,401
A - 14482	408923,663	9659839,587	-16,041
A - 14483	408938,117	9659845,798	-16,681
A - 14484	408952,530	9659851,991	-16,921
A - 14485	408966,839	9659858,139	-16,291
A - 14486	408981,142	9659864,285	-14,661
A - 14487	408995,493	9659870,452	-13,151
A - 14488	409009,839	9659876,616	-11,281
A - 14489	409024,157	9659882,768	-10,061
A - 14490	409038,403	9659888,889	-9,151
A - 14491	409052,376	9659894,893	-8,771
A - 14492	409066,335	9659900,891	-8,271

PONTO	E	N	COTA
A - 14493	409080,430	9659906,947	-8,371
A - 14494	409094,642	9659913,054	-7,781
A - 14495	409108,815	9659919,144	-7,151
A - 14496	409122,979	9659925,230	-6,941
A - 14497	409137,123	9659931,308	-6,851
A - 14498	409150,994	9659937,268	-6,731
A - 14499	409164,607	9659943,117	-7,031
A - 14500	409178,286	9659948,994	-7,741
A - 14501	409192,123	9659954,940	-8,031
A - 14502	409205,953	9659960,883	-8,111
A - 14503	409219,769	9659966,819	-8,181
A - 14504	409233,493	9659972,716	-7,811
A - 14505	409247,198	9659978,605	-7,641
A - 14506	409260,873	9659984,481	-7,591
A - 14507	409274,516	9659990,343	-7,631
A - 14508	409288,068	9659996,166	-7,671
A - 14509	409301,456	9660001,919	-8,011
A - 14510	409314,739	9660007,626	-8,581
A - 14511	409328,007	9660013,327	-9,031
A - 14512	409341,202	9660018,997	-9,021
A - 14513	409354,355	9660024,649	-8,571
A - 14514	409367,747	9660030,403	-8,161
A - 14515	409381,275	9660036,216	-7,761
A - 14516	409394,738	9660042,000	-7,831
A - 14517	409408,049	9660047,720	-8,391
A - 14518	409421,172	9660053,359	-8,521
A - 14519	409434,251	9660058,979	-8,481
A - 14520	409447,400	9660064,628	-8,221
A - 14521	409460,682	9660070,336	-8,201
A - 14522	409473,884	9660076,008	-7,831
A - 14523	409487,120	9660081,696	-7,461
A - 14524	409500,330	9660087,371	-6,961
A - 14525	409513,666	9660093,102	-6,601
A - 14526	409527,067	9660098,860	-6,231
A - 14527	409540,388	9660104,584	-5,581
A - 14528	409553,723	9660110,314	-5,211
A - 14529	409567,124	9660116,072	-4,821
A - 14530	409580,310	9660121,738	-4,341
A - 14531	409592,241	9660126,864	-4,051
A - 14532	409603,357	9660131,640	-3,971
A - 14533	409613,620	9660136,050	-3,671
A - 14534	409622,718	9660139,960	-3,181
A - 14535	409629,903	9660143,047	-1,241
A - P02D5	409644,239	9660149,207	4,515
A - P02D4	409649,336	9660151,397	5,024
A - P02D3	409655,862	9660154,201	5,921
A - P02D2	409661,478	9660156,614	7,225
A - S02D	409669,509	9660160,065	8,363
A - P02D1	409681,762	9660165,330	9,282
A - S02DA	409695,515	9660171,239	9,598

PONTO	E	N	COTA
A - P03E5	408159,861	9661561,232	6,636
A - P03E4	408168,295	9661563,604	6,392
A - P03E1	408175,904	9661565,744	5,783
A - P03E2 -	408178,649	9661566,516	5,082
A - P03E3	408180,027	9661566,904	4,017
A - 14415	408193,688	9661570,747	2,063
A - 14414	408197,725	9661571,882	0,443
A - 14413	408203,290	9661573,448	-1,247
A - 14412	408209,636	9661575,233	-4,897
A - 14411	408216,284	9661577,103	-7,047
A - 14410	408223,281	9661579,071	-8,837
A - 14409	408231,089	9661581,267	-9,367
A - 14408	408239,817	9661583,722	-9,087
A - 14407	408249,581	9661586,469	-9,317
A - 14406	408260,633	9661589,577	-9,637
A - 14405	408273,204	9661593,113	-10,117
A - 14404	408287,169	9661597,042	-11,007
A - 14403	408301,259	9661601,005	-12,117
A - 14402	408315,359	9661604,971	-12,847
A - 14401	408329,515	9661608,953	-13,717
A - 14400	408343,625	9661612,922	-13,977
A - 14399	408357,741	9661616,892	-14,297
A - 14398	408371,915	9661620,879	-14,457
A - 14397	408386,103	9661624,870	-15,387
A - 14396	408400,282	9661628,858	-15,647
A - 14395	408414,456	9661632,845	-15,517
A - 14394	408428,642	9661636,836	-14,987
A - 14393	408442,840	9661640,830	-14,787
A - 14392	408457,016	9661644,817	-14,517
A - 14391	408471,092	9661648,776	-14,677
A - 14390	408485,080	9661652,711	-15,027
A - 14389	408499,061	9661656,644	-15,407
A - 14388	408513,029	9661660,573	-15,867
A - 14387	408526,993	9661664,501	-15,987
A - 14386	408541,020	9661668,446	-16,107
A - 14385	408555,003	9661672,380	-16,097
A - 14384	408568,874	9661676,281	-16,157
A - 14383	408582,794	9661680,197	-15,947
A - 14382	408596,745	9661684,121	-15,927
A - 14381	408610,584	9661688,013	-15,507
A - 14380	408624,186	9661691,840	-15,177
A - 14379	408637,784	9661695,665	-14,837
A - 14378	408651,448	9661699,508	-14,477
A - 14377	408665,174	9661703,369	-14,207
A - 14376	408678,880	9661707,224	-13,927
A - 14375	408692,607	9661711,085	-13,867
A - 14374	408706,341	9661714,948	-13,777
A - 14373	408720,154	9661718,834	-13,737
A - 14372	408733,989	9661722,725	-13,657
A - 14371	408747,785	9661726,606	-13,037
A - 14370	408761,580	9661730,486	-12,407
A - 14369	408775,442	9661734,386	-10,917
A - 14368	408789,311	9661738,287	-10,157
A - 14367	408803,103	9661742,166	-9,797
A - 14366	408816,808	9661746,021	-9,137
A - 14365	408830,394	9661749,843	-8,477
A - 14364	408843,848	9661753,627	-7,827
A - 14363	408857,003	9661757,328	-7,597
A - 14362	408869,926	9661760,963	-7,237
A - 14361	408882,765	9661764,574	-6,847
A - 14360	408895,497	9661768,156	-6,567
A - 14359	408908,176	9661771,722	-6,107
A - 14358	408920,843	9661775,285	-5,437
A - 14357	408933,538	9661778,856	-5,157
A - 14356	408946,273	9661782,438	-4,517
A - 14355	408958,991	9661786,015	-3,877
A - 14354	408971,665	9661789,580	-3,517
A - 14353	408984,251	9661793,121	-3,347
A - 14352	408996,755	9661796,638	-3,257
A - 14351	409009,127	9661800,118	-3,077
A - 14350	409021,367	9661803,561	-2,807
A - 14349	409033,379	9661806,940	-2,677
A - 14348	409045,046	9661810,221	-2,397
A - 14347	409056,221	9661813,365	-2,117
A - 14346	409066,935	9661816,378	-1,477
A - 14345	409077,296	9661819,293	-0,877
A - 14344	409087,114	9661822,055	-0,397
A - 14343	409096,423	9661824,673	0,163
A - 14342	409105,477	9661827,220	0,883
A - 14341	409114,188	9661829,670	1,843
A - 14340	409122,201	9661831,924	3,043
A - 14339	409129,169	9661833,884	3,923

PONTO	E	N	COTA
A - 14338	409137,880	9661836,334	4,233
A - P03D3	409168,878	9661845,054	4,420
A - P03D2 -	409171,037	9661845,661	4,982
A - P03D1	409172,132	9661845,969	5,870
A - S03D	409184,151	9661849,350	6,696
A - P03D4	409197,865	9661853,207	6,466
A - P03D5	409205,448	9661855,340	7,635
A - P03D6	409212,082	9661857,206	9,698

PONTO	E	N	COTA
A - P04E1	404954,871	9663943,638	4,852
A - S04E	404963,311	9663946,656	5,135
A - P04E3	404974,121	9663950,521	4,826
A - P04E4 -	404976,062	9663951,215	3,937
A - P04E5	404977,448	9663951,711	2,616
A -	404990,552	9663956,396	1,111
A -	405003,656	9663961,082	1,151
A -	405016,760	9663965,767	1,271
A -	405029,864	9663970,453	1,541
A -	405042,969	9663975,138	1,511
A -	405056,073	9663979,824	1,551
A -	405069,177	9663984,509	1,481
A -	405082,281	9663989,195	1,541
A -	405095,385	9663993,880	1,391
A -	405108,490	9663998,566	1,361
A -	405121,594	9664003,251	1,441
A - I04E6 -	405134,053	9664007,707	3,940
A - I04E	405142,391	9664010,688	4,845
A - I04E2 -	405172,103	9664021,312	4,161
A - 14187	405190,095	9664027,745	1,241
A - 14188	405193,807	9664029,072	1,141
A - 14189	405200,800	9664031,573	1,111
A - 14190	405206,289	9664033,535	1,151
A - 14191	405213,252	9664036,025	1,271
A - 14192	405221,278	9664038,895	1,541
A - 14193	405229,638	9664041,884	1,801
A - 14194	405237,494	9664044,693	2,031
A - 14195	405244,678	9664047,262	1,741
A - 14196	405250,798	9664049,450	1,521
A - 14197	405256,152	9664051,364	1,391
A - 14198	405260,746	9664053,007	1,361
A - 14199	405264,171	9664054,231	1,441
A - I04E3 -	405283,803	9664061,251	3,938
A - I04E4	405285,051	9664061,697	4,167
A - I04E5	405292,023	9664064,190	4,512
A - I04E6	405301,198	9664067,471	4,697
A - I04E7	405310,707	9664070,871	4,505
A - I04E8	405320,520	9664074,380	4,308
A - I04E9	405330,659	9664078,005	4,239
A - I04E10	405331,805	9664078,415	3,957
A - 14201	405344,535	9664082,966	1,981
A - 14202	405347,656	9664084,083	1,991
A - 14203	405354,154	9664086,406	1,791
A - 14204	405362,711	9664089,466	1,361
A - 14205	405372,109	9664092,826	0,391
A - 14206	405382,611	9664096,581	-0,129
A - 14207	405393,826	9664100,591	-0,169
A - 14208	405405,454	9664104,749	-0,119
A - 14209	405417,348	9664109,002	0,071
A - 14210	405429,234	9664113,252	0,261
A - 14211	405441,068	9664117,483	0,261
A - 14212	405452,884	9664121,708	0,191
A - 14213	405464,813	9664125,973	0,221
A - 14214	405476,849	9664130,277	0,141
A - 14215	405488,894	9664134,584	0,091
A - 14216	405500,843	9664138,856	-0,049
A - 14217	405512,838	9664143,145	-0,139
A - 14218	405524,615	9664147,356	-0,289
A - 14219	405536,126	9664151,472	-0,319
A - 14220	405547,680	9664155,603	-0,389
A - 14221	405559,554	9664159,849	-0,379
A - 14222	405571,993	9664164,296	-0,419
A - 14223	405584,899	9664168,911	-0,589
A - 14224	405598,041	9664173,610	-0,399
A - 14225	405611,390	9664178,383	-0,369
A - 14226	405624,865	9664183,202	-0,239
A - 14227	405638,418	9664188,047	-0,269
A - 14228	405652,028	9664192,914	0,031
A - 14229	405665,711	9664197,806	0,011
A - 14230	405679,413	9664202,706	0,041
A - 14231	405693,173	9664207,626	-0,099
A - 14232	405706,947	9664212,551	-0,029
A - 14233	405720,741	9664217,483	0,031
A - 14234	405734,547	9664222,419	0,131
A - 14235	405748,423	9664227,381	0,201
A - 14236	405762,122	9664232,279	0,031
A - 14237	405775,672	9664237,124	0,161
A - 14238	405789,364	9664242,020	0,201
A - 14239	405803,033	9664246,907	0,241
A - 14240	405816,789	9664251,826	0,291
A - 14241	405830,458	9664256,714	0,241
A - 14242	405844,184	9664261,621	0,331

PONTO	E	N	COTA
A - 14243	405857,944	9664266,542	0,401
A - 14244	405871,680	9664271,453	0,571
A - 14245	405885,451	9664276,377	0,621
A - 14246	405899,265	9664281,316	0,981
A - 14247	405912,898	9664286,191	1,011
A - 14248	405926,362	9664291,005	1,021
A - 14249	405939,942	9664295,861	0,791
A - 14250	405953,658	9664300,765	0,691
A - 14251	405967,443	9664305,694	0,821
A - 14252	405981,191	9664310,610	0,961
A - 14253	405994,939	9664315,525	0,981
A - 14254	406008,597	9664320,409	0,801
A - 14255	406022,251	9664325,291	0,671
A - 14256	406035,928	9664330,182	0,831
A - 14257	406049,547	9664335,051	0,971
A - 14258	406063,060	9664339,883	1,061
A - 14259	406076,494	9664344,686	1,121
A - 14260	406090,038	9664349,529	1,131
A - 14261	406103,669	9664354,403	1,001
A - 14262	406117,366	9664359,301	1,071
A - 14263	406131,110	9664364,215	1,061
A - 14264	406144,713	9664369,079	1,041
A - 14265	406158,231	9664373,912	0,971
A - 14266	406171,626	9664378,702	0,751
A - 14267	406185,036	9664383,497	0,751
A - 14268	406198,636	9664388,360	0,771
A - 14269	406212,331	9664393,256	0,831
A - 14270	406226,053	9664398,163	0,661
A - 14271	406239,745	9664403,058	0,601
A - 14272	406253,418	9664407,948	0,651
A - 14273	406267,115	9664412,845	0,831
A - 14274	406280,697	9664417,702	0,771
A - 14275	406294,171	9664422,519	0,811
A - 14276	406307,610	9664427,324	0,771
A - 14277	406321,181	9664432,177	0,711
A - 14278	406334,851	9664437,065	0,761
A - 14279	406348,528	9664441,955	0,811
A - 14280	406362,197	9664446,843	0,881
A - 14281	406375,776	9664451,698	0,701
A - 14282	406389,209	9664456,501	0,661
A - 14283	406402,695	9664461,323	0,561
A - 14284	406416,283	9664466,182	0,561
A - 14285	406429,918	9664471,057	0,611
A - 14286	406443,528	9664475,923	0,631
A - 14287	406457,121	9664480,784	0,631
A - 14288	406470,747	9664485,656	0,641
A - 14289	406484,414	9664490,543	0,461
A - 14290	406498,101	9664495,436	0,511
A - 14291	406511,827	9664500,345	0,621
A - 14292	406525,565	9664505,256	0,711
A - 14293	406539,219	9664510,139	0,881
A - 14294	406552,853	9664515,014	0,931
A - 14295	406566,387	9664519,853	0,721
A - 14296	406579,970	9664524,710	0,261
A - 14297	406593,630	9664529,594	0,211
A - 14298	406607,343	9664534,497	0,171
A - 14299	406621,021	9664539,388	0,391
A - 14300	406634,669	9664544,268	0,001
A - 14301	406648,264	9664549,129	0,221
A - 14302	406661,890	9664554,001	0,261
A - 14303	406675,519	9664558,874	0,021
A - 14304	406689,149	9664563,748	-0,149
A - 14305	406702,808	9664568,632	-0,249
A - 14306	406716,476	9664573,519	-0,549
A - 14307	406730,191	9664578,423	-0,509
A - 14308	406743,954	9664583,344	-0,779
A - 14309	406757,735	9664588,271	-0,779
A - 14310	406771,494	9664593,191	-0,689
A - 14311	406785,187	9664598,087	-0,709
A - 14312	406798,834	9664602,967	-0,599
A - 14313	406812,445	9664607,834	-0,599
A - 14314	406826,057	9664612,701	-0,589
A - 14315	406839,614	9664617,548	-0,279
A - 14316	406853,201	9664622,407	-0,259
A - 14317	406866,792	9664627,266	-0,269
A - 14318	406880,389	9664632,128	-0,379
A - 14319	406893,986	9664636,990	-0,569
A - 14320	406907,626	9664641,867	-0,649
A - 14321	406921,307	9664646,758	-0,869
A - 14322	406935,001	9664651,655	-0,839
A - 14323	406948,674	9664656,544	-0,539
A - 14324	406962,329	9664661,426	-0,329

PONTO	E	N	COTA
A - 14325	406975,897	9664666,278	-0,399
A - 14326	406989,408	9664671,109	-0,149
A - 14327	407002,832	9664675,909	-0,139
A - 14328	407016,242	9664680,704	-0,139
A - 14329	407029,686	9664685,511	-0,309
A - 14330	407043,184	9664690,337	-0,299
A - 14331	407056,757	9664695,190	-0,269
A - 14332	407070,372	9664700,058	-0,479
A - 14333	407083,975	9664704,922	-0,529
A - 14334	407097,592	9664709,791	-0,709
A - 14335	407111,293	9664714,690	-0,129
A - 14336	407119,954	9664717,787	0,111
A - 14689	407133,753	9664722,721	0,031
A - 14690	407147,551	9664727,655	0,021
A - 14691	407161,350	9664732,589	0,191
A - 14692	407175,149	9664737,522	0,121
A - 14693	407188,948	9664742,456	0,081
A - 14694	407202,747	9664747,390	0,411
A - 14695	407216,545	9664752,324	0,671
A - 14696	407230,344	9664757,258	0,391
A - 14697	407244,143	9664762,192	0,211
A - 14698	407257,942	9664767,126	0,271
A - 14699	407271,740	9664772,060	-0,069
A - 14700	407285,539	9664776,994	-0,469
A - 14701	407299,338	9664781,928	-0,399
A - 14702	407313,137	9664786,861	-0,389
A - 14703	407326,935	9664791,795	-0,339
A - 14704	407340,734	9664796,729	-0,109
A - 14705	407354,533	9664801,663	0,141
A - 14706	407368,332	9664806,597	0,341
A - 14707	407382,130	9664811,531	0,401
A - 14708	407395,929	9664816,465	0,451
A - 14709	407409,728	9664821,399	0,441
A - 14710	407423,527	9664826,333	0,681
A - 14711	407437,325	9664831,266	0,651
A - 14712	407451,124	9664836,200	0,541
A - 14713	407464,923	9664841,134	0,351
A - 14714	407478,722	9664846,068	0,591
A - 14715	407492,521	9664851,002	0,681
A - 14716	407506,319	9664855,936	0,591
A - 14717	407520,118	9664860,870	0,741
A - 14718	407533,917	9664865,804	0,871
A - 14719	407547,716	9664870,738	0,951
A - 14720	407561,514	9664875,672	0,951
A - 14721	407575,313	9664880,605	0,991
A - 14722	407589,112	9664885,539	1,061
A - 14723	407602,911	9664890,473	1,081
A - 14724	407616,709	9664895,407	1,111
A - 14725	407630,508	9664900,341	1,051
A - 14726	407644,307	9664905,275	1,131
A - 14727	407658,106	9664910,209	1,311
A - 14728	407671,904	9664915,143	1,351
A - 14729	407685,703	9664920,077	1,291
A - 14730	407699,502	9664925,011	1,321
A - 14731	407713,301	9664929,944	1,361
A - 14732	407727,099	9664934,878	1,361
A - 14733	407740,898	9664939,812	1,381
A - 14734	407754,697	9664944,746	1,431
A - 14735	407768,496	9664949,680	1,461
A - 14736	407782,295	9664954,614	1,391
A - 14737	407796,093	9664959,548	1,461
A - 14738	407809,892	9664964,482	1,541
A - 14739	407823,691	9664969,416	1,521
A - 14740	407837,490	9664974,349	1,281
A - 14741	407851,288	9664979,283	1,071
A - 14742	407865,087	9664984,217	1,001
A - 14743	407878,886	9664989,151	0,951
A - 14744	407892,685	9664994,085	1,011
A - 14745	407906,483	9664999,019	1,201
A - 14746	407920,282	9665003,953	1,201
A - 14747	407934,081	9665008,887	1,151
A - 14748	407947,880	9665013,821	1,101
A - 14749	407961,678	9665018,755	1,121
A - 14750	407975,477	9665023,688	1,171
A - 14751	407989,276	9665028,622	1,311
A - 14752	408003,075	9665033,556	1,471
A - 14753	408016,873	9665038,490	1,501
A - 14754	408030,672	9665043,424	1,421
A - 14755	408044,471	9665048,358	1,841
A - 14756	408058,270	9665053,292	1,931
A - 14757	408072,069	9665058,226	1,861
A - 14758	408085,867	9665063,160	1,971

A - 14759	408099,666	9665068,094	1,961
A - 14760	408113,465	9665073,027	1,741
A - 14761	408127,264	9665077,961	1,631
A - 14762	408141,062	9665082,895	1,721
A - 14763	408154,861	9665087,829	1,761
A - 14764	408168,660	9665092,763	1,421
A - 14765	408182,459	9665097,697	1,271
A - 14766	408196,257	9665102,631	1,221
A - 14767	408210,056	9665107,565	1,141
A - 14768	408223,855	9665112,499	1,221
A - 14769	408237,654	9665117,433	1,221
A - 14770	408251,452	9665122,366	1,261
A - 14771	408265,251	9665127,300	1,211
A - 14772	408279,050	9665132,234	1,181
A - 14773	408292,849	9665137,168	1,201
A - 14774	408306,647	9665142,102	1,281
A - 14775	408320,446	9665147,036	1,241
A - 14776	408334,245	9665151,970	0,541
A - 14777	408348,044	9665156,904	0,511
A - 14778	408361,843	9665161,838	0,251
A - 14779	408375,641	9665166,771	-0,039
A - 14780	408389,440	9665171,705	-0,179
A - 14781	408403,239	9665176,639	-0,589
A - 14782	408417,038	9665181,573	-0,609
A - 14783	408430,836	9665186,507	-0,519
A - 14784	408444,635	9665191,441	-0,449
A - 14785	408458,434	9665196,375	0,101
A - 14786	408472,233	9665201,309	0,371
A - 14787	408486,031	9665206,243	0,621
A - 14788	408499,830	9665211,177	0,621
A - 14789	408513,629	9665216,110	0,021
A - 14790	408527,428	9665221,044	-0,479
A - 14791	408541,226	9665225,978	-0,709
A - 14792	408555,025	9665230,912	-0,819
A - 14793	408568,824	9665235,846	-0,649
A - 14794	408582,623	9665240,780	-0,509
A - 14795	408596,421	9665245,714	-0,469
A - 14796	408610,220	9665250,648	-0,469
A - 14797	408624,019	9665255,582	-0,239
A - 14798	408637,818	9665260,516	-0,019
A - 14799	408651,617	9665265,449	-0,059
A - 14800	408665,415	9665270,383	-0,369
A - 14801	408679,214	9665275,317	-0,579
A - 14802	408693,013	9665280,251	-0,549
A - 14803	408706,812	9665285,185	-0,179
A - 14804	408720,610	9665290,119	0,081
A - 14805	408734,409	9665295,053	0,141
A - 14806	408748,208	9665299,987	0,131
A - 14807	408762,007	9665304,921	-0,169
A - 14808	408775,805	9665309,854	-0,149
A - 14809	408789,604	9665314,788	-0,059
A - 14810	408803,403	9665319,722	-0,119
A - 14811	408817,202	9665324,656	-0,109
A - 14812	408831,000	9665329,590	-0,109
A - 14813	408844,799	9665334,524	0,001
A - 14814	408858,598	9665339,458	0,131
A - 14815	408872,397	9665344,392	0,371
A - 14816	408886,195	9665349,326	0,511
A - 14817	408899,994	9665354,260	0,631
A - 14818	408913,793	9665359,193	0,471
A - 14819	408927,592	9665364,127	0,591
A - 14820	408941,391	9665369,061	0,761
A - 14821	408955,189	9665373,995	0,971
A - 14822	408968,988	9665378,929	0,971
A - 14823	408982,787	9665383,863	0,971
A - 14824	408996,586	9665388,797	0,671
A - 14825	409010,384	9665393,731	0,691
A - 14826	409024,183	9665398,665	0,741
A - 14827	409037,982	9665403,599	0,691
A - 14828	409051,781	9665408,532	0,261
A - 14829	409065,579	9665413,466	-0,159
A - 14830	409079,378	9665418,400	-0,279
A - 14831	409093,177	9665423,334	-0,669
A - 14832	409106,976	9665428,268	-1,799
A - 14833	409120,774	9665433,202	-2,639
A - 14834	409134,573	9665438,136	-3,319
A - 14835	409148,372	9665443,070	-3,769
A - 14836	409162,171	9665448,004	-4,019
A - 14837	409175,969	9665452,938	-4,409
A - 14838	409189,768	9665457,871	-4,379
A - 14839	409203,567	9665462,805	-3,709
A - 14840	409217,366	9665467,739	-2,729
A - 14841	409231,165	9665472,673	-1,639
A - 14842	409244,963	9665477,607	-0,719
A - 14843	409258,762	9665482,541	-0,219
A - P04D3	409271,205	9665486,990	4,589
A - P04D2 -	409272,561	9665487,475	5,329
A - P04D1	409276,759	9665488,976	9,064
A - S04D	409289,806	9665493,641	11,953
A - S04DA	409337,824	9665510,810	20,375

PONTO	E	N	COTA
A - S05EA	405103,882	9667307,171	5,796
A - P05E1	405112,709	9667312,139	5,750
A - S05E	405125,724	9667319,465	5,031
A - P05E2	405127,607	9667320,525	4,838
A - P05E3 -	405130,412	9667322,104	4,700
A - P05E4 -	405133,994	9667324,120	3,863
A - 14186	405155,422	9667336,181	2,890
A - 14185	405160,500	9667339,039	2,670
A - 14184	405166,885	9667342,633	2,040
A - 14183	405174,261	9667346,785	1,490
A - 14182	405182,235	9667351,273	0,910
A - 14181	405190,868	9667356,133	0,440
A - 14180	405200,332	9667361,460	-0,060
A - 14179	405210,751	9667367,324	-0,860
A - 14178	405221,925	9667373,614	-1,450
A - 14177	405233,925	9667380,368	-1,870
A - 14176	405246,456	9667387,421	-2,200
A - 14175	405259,167	9667394,576	-2,750
A - 14174	405272,103	9667401,858	-3,580
A - 14173	405285,351	9667409,315	-4,270
A - 14172	405298,774	9667416,870	-4,630
A - 14171	405312,185	9667424,419	-5,500
A - 14170	405325,551	9667431,942	-6,340
A - 14169	405338,852	9667439,429	-7,440
A - 14168	405352,050	9667446,858	-8,260
A - 14167	405365,257	9667454,291	-8,720
A - 14166	405378,425	9667461,704	-9,380
A - 14165	405391,585	9667469,111	-9,800
A - 14164	405404,731	9667476,511	-10,200
A - 14163	405417,804	9667483,869	-10,240
A - 14162	405430,833	9667491,203	-9,980
A - 14161	405443,867	9667498,539	-9,610
A - 14160	405456,960	9667505,909	-9,540
A - 14159	405470,037	9667513,269	-9,670
A - 14158	405483,024	9667520,579	-9,620
A - 14157	405495,910	9667527,833	-10,210
A - 14156	405508,765	9667535,069	-10,750
A - 14155	405521,694	9667542,346	-10,850
A - 14154	405534,606	9667549,614	-11,310
A - 14153	405547,431	9667556,833	-11,310
A - 14152	405560,270	9667564,059	-10,890
A - 14151	405573,006	9667571,228	-10,440
A - 14150	405585,658	9667578,349	-10,330
A - 14149	405598,372	9667585,506	-10,300
A - 14148	405611,234	9667592,745	-10,880
A - 14147	405624,154	9667600,018	-11,260
A - 14146	405637,090	9667607,299	-11,180
A - 14145	405650,008	9667614,570	-11,100
A - 14144	405662,874	9667621,812	-10,560
A - 14143	405675,738	9667629,053	-10,020
A - 14142	405688,617	9667636,302	-9,480
A - 14141	405701,415	9667643,506	-9,290
A - 14140	405714,174	9667650,688	-8,670
A - 14139	405726,919	9667657,861	-8,120
A - 14138	405739,631	9667665,017	-7,790
A - 14137	405752,316	9667672,156	-7,320
A - 14136	405765,044	9667679,321	-6,850
A - 14135	405777,792	9667686,497	-5,770
A - 14134	405790,523	9667693,662	-4,600
A - 14133	405803,258	9667700,831	-3,100
A - 14132	405815,962	9667707,981	-2,180
A - 14131	405828,701	9667715,152	-1,550
A - 14130	405841,492	9667722,351	-1,010
A - 14129	405854,230	9667729,521	-0,310
A - 14128	405866,882	9667736,643	0,250
A - 14127	405879,480	9667743,734	1,030
A - 14126	405892,132	9667750,855	1,630
A - 14125	405904,956	9667758,074	2,050
A - 14124	405918,009	9667765,421	2,150
A - 14123	405931,199	9667772,845	2,140
A - 14122	405944,451	9667780,304	2,120
A - 14121	405957,694	9667787,758	2,010
A - 14120	405970,877	9667795,179	0,770
A - 14119	405984,031	9667802,583	-0,470
A - 14118	405997,095	9667809,936	-1,890
A - 14117	406010,034	9667817,219	-3,300
A - 14116	406022,740	9667824,371	-5,010
A - 14115	406035,109	9667831,333	-7,020
A - 14114	406047,419	9667838,262	-10,100
A - 14113	406059,770	9667845,214	-11,720
A - 14112	406072,197	9667852,209	-12,960
A - 14111	406084,664	9667859,226	-14,100

PONTO	E	N	COTA
A - 14110	406097,152	9667866,256	-14,780
A - 14109	406109,626	9667873,277	-15,060
A - 14108	406122,084	9667880,289	-15,590
A - 14107	406134,591	9667887,329	-15,820
A - 14106	406147,119	9667894,380	-15,900
A - 14105	406159,576	9667901,392	-16,210
A - 14104	406171,868	9667908,311	-16,270
A - 14103	406183,881	9667915,073	-16,170
A - 14102	406195,544	9667921,638	-16,390
A - 14101	406206,814	9667927,981	-15,970
A - 14100	406217,556	9667934,027	-15,540
A - 14099	406227,498	9667939,624	-15,150
A - 14098	406236,206	9667944,525	-14,790
A - 14097	406243,573	9667948,672	-14,260
A - 14096	406250,510	9667952,576	-14,120
A - 14095	406257,729	9667956,640	-13,920
A - 14094	406264,882	9667960,666	-13,480
A - 14093	406271,271	9667964,262	-13,050
A - 14092	406277,305	9667967,659	-12,500
A - 14091	406283,345	9667971,058	-11,710
A - 14090	406289,666	9667974,616	-11,360
A - 14089	406296,162	9667978,273	-11,350
A - 14088	406303,048	9667982,149	-10,210
A - 14087	406310,056	9667986,093	-9,240
A - 14086	406317,041	9667990,025	-9,340
A - 14085	406324,139	9667994,020	-8,330
A - 14084	406331,450	9667998,136	-6,930
A - 14083	406338,893	9668002,325	-5,340
A - 14082	406346,185	9668006,429	-4,120
A - 14081	406352,971	9668010,249	-2,500
A - 14080	406358,981	9668013,632	-1,950
A - 14079	406364,173	9668016,554	-1,800
A - 14078	406369,427	9668019,511	-1,260
A - 14077	406374,984	9668022,639	0,030
A - 14076	406380,332	9668025,650	1,490
A - 14075	406385,010	9668028,283	2,540
A - 14074	406389,273	9668030,682	3,040
A - 14073	406393,081	9668032,826	3,300
A - 14072	406398,841	9668036,068	3,840
A - 14071	406401,284	9668037,443	3,690
A - P05D6 -	406405,942	9668040,065	4,622
A - P05D5 -	406409,703	9668042,182	5,139
A - P05D4	406414,397	9668044,824	5,886
A - P05D3	406419,376	9668047,627	6,509
A - P05D2	406425,658	9668051,162	9,746
A - S05D	406429,751	9668053,466	11,016
A - P05D1	406442,108	9668060,422	17,837
A - S05DA	406455,600	9668068,016	23,908

PONTO	E	N	COTA
A - S06EA	402760,704	9670718,461	10,075
A - P06E1	402769,717	9670722,288	9,767
A - P06E2	402782,062	9670727,531	5,397
A - P06E3	402817,096	9670742,408	5,938
A - P06E4	402845,783	9670754,590	6,709
A - S06E	402874,048	9670766,592	6,486
A - P06E5	402884,060	9670770,844	5,537
A - P06E6 -	402888,302	9670772,645	4,742
A - P06E7 -	402892,542	9670774,446	4,247
A - 13946	402899,399	9670777,357	4,182
A - 13947	402902,801	9670778,802	3,932
A - 13948	402905,785	9670780,069	3,692
A - 13949	402909,656	9670781,713	3,442
A - 13950	402914,372	9670783,716	2,852
A - 13951	402919,841	9670786,038	1,662
A - 13952	402925,138	9670788,287	0,592
A - 13953	402930,009	9670790,356	-0,068
A - 13954	402934,840	9670792,408	-0,708
A - 13955	402940,207	9670794,686	-1,838
A - 13956	402946,054	9670797,170	-3,208
A - 13957	402952,476	9670799,896	-6,978
A - 13958	402959,413	9670802,842	-7,648
A - 13959	402966,570	9670805,881	-8,468
A - 13960	402973,918	9670809,002	-9,128
A - 13961	402981,469	9670812,208	-9,448
A - 13962	402989,473	9670815,607	-9,708
A - 13963	402998,401	9670819,398	-10,228
A - 13964	403008,133	9670823,531	-10,298
A - 13965	403018,464	9670827,918	-10,268
A - 13966	403029,095	9670832,432	-10,128
A - 13967	403039,892	9670837,017	-9,798
A - 13968	403050,987	9670841,729	-9,018
A - 13969	403062,261	9670846,516	-8,218
A - 13970	403073,616	9670851,338	-7,188
A - 13971	403084,894	9670856,127	-5,888
A - 13972	403096,189	9670860,923	-5,588
A - 13973	403107,606	9670865,772	-4,668
A - 13974	403119,077	9670870,643	-3,858
A - 13975	403130,615	9670875,543	-2,988
A - 13976	403142,052	9670880,399	-2,728
A - 13977	403153,550	9670885,282	-2,298
A - 13978	403164,892	9670890,098	-2,238
A - 13979	403176,139	9670894,874	-2,298
A - 13980	403187,420	9670899,664	-2,588
A - 13981	403198,840	9670904,514	-2,618
A - 13982	403210,256	9670909,362	-2,658
A - 13983	403221,477	9670914,127	-2,668
A - 13984	403232,642	9670918,868	-2,688
A - 13985	403243,980	9670923,683	-2,708
A - 13986	403255,404	9670928,534	-2,648
A - 13987	403266,876	9670933,405	-2,508
A - 13988	403278,288	9670938,251	-2,398
A - 13989	403289,738	9670943,114	-2,508
A - 13990	403301,075	9670947,927	-2,818
A - 13991	403312,297	9670952,693	-2,488
A - 13992	403323,499	9670957,450	-2,138
A - 13993	403334,707	9670962,209	-2,278
A - 13994	403345,840	9670966,937	-2,378
A - 13995	403356,933	9670971,647	-2,758
A - 13996	403368,004	9670976,349	-2,668
A - 13997	403379,111	9670981,065	-2,648
A - 13998	403390,222	9670985,784	-2,668
A - 13999	403401,404	9670990,532	-2,628
A - 14000	403412,629	9670995,299	-2,838
A - 14001	403424,126	9671000,181	-3,338
A - 14002	403436,059	9671005,248	-4,268
A - 14003	403448,254	9671010,426	-4,938
A - 14004	403460,599	9671015,669	-5,598
A - 14005	403472,957	9671020,916	-6,028
A - 14006	403485,388	9671026,196	-5,758
A - 14007	403497,851	9671031,488	-5,118
A - 14008	403510,325	9671036,785	-5,258
A - 14009	403522,863	9671042,109	-6,058
A - 14010	403535,468	9671047,462	-6,758
A - 14011	403547,988	9671052,778	-7,098
A - 14012	403560,420	9671058,057	-7,128
A - 14013	403572,939	9671063,374	-7,038
A - 14014	403585,541	9671068,725	-6,628
A - 14015	403598,121	9671074,067	-6,048
A - 14016	403610,736	9671079,424	-6,118
A - 14017	403623,342	9671084,777	-6,408
A - 14018	403635,842	9671090,085	-6,978

PONTO	E	N	COTA
A - 14019	403648,319	9671095,383	-7,088
A - 14020	403660,676	9671100,631	-7,008
A - 14021	403673,121	9671105,916	-6,918
A - 14022	403685,598	9671111,214	-6,978
A - 14023	403698,066	9671116,508	-6,968
A - 14024	403710,401	9671121,746	-7,368
A - 14025	403722,631	9671126,939	-7,638
A - 14026	403734,928	9671132,161	-7,818
A - 14027	403747,328	9671137,427	-8,488
A - 14028	403759,780	9671142,715	-9,108
A - 14029	403772,251	9671148,011	-9,378
A - 14030	403784,842	9671153,357	-9,488
A - 14031	403797,363	9671158,674	-9,798
A - 14032	403809,797	9671163,954	-9,538
A - 14033	403822,221	9671169,230	-9,288
A - 14034	403834,697	9671174,528	-9,288
A - 14035	403847,139	9671179,812	-9,148
A - 14036	403859,651	9671185,125	-9,258
A - 14037	403872,154	9671190,434	-9,668
A - 14038	403884,679	9671195,753	-9,748
A - 14039	403897,153	9671201,050	-9,658
A - 14040	403909,738	9671206,394	-9,758
A - 14041	403922,474	9671211,802	-9,748
A - 14042	403935,093	9671217,161	-9,898
A - 14043	403947,591	9671222,468	-10,348
A - 14044	403959,973	9671227,726	-11,058
A - 14045	403972,399	9671233,003	-11,088
A - 14046	403984,774	9671238,258	-11,498
A - 14047	403997,407	9671243,622	-11,488
A - 14048	404010,197	9671249,053	-11,408
A - 14049	404022,629	9671254,332	-11,318
A - 14050	404034,843	9671259,519	-10,308
A - 14051	404046,877	9671264,630	-9,918
A - 14052	404058,769	9671269,679	-9,808
A - 14053	404070,785	9671274,782	-9,828
A - 14054	404082,794	9671279,881	-9,938
A - 14055	404094,849	9671285,001	-10,168
A - 14056	404106,994	9671290,158	-10,138
A - 14057	404119,048	9671295,277	-10,098
A - 14058	404130,861	9671300,293	-9,928
A - 14059	404142,769	9671305,350	-9,758
A - 14060	404154,794	9671310,456	-9,458
A - 14061	404166,069	9671315,244	-9,428
A - 14062	404175,798	9671319,375	-8,978
A - 14063	404183,600	9671322,688	-7,788
A - 14064	404189,566	9671325,222	-6,768
A - 14065	404194,385	9671327,268	-5,878
A - 14066	404198,610	9671329,062	-5,258
A - 14067	404205,979	9671332,191	-4,168
A - 14068	404212,538	9671334,977	-3,118
A - 14069	404218,246	9671337,401	-1,388
A - 14070	404222,609	9671339,253	-0,468
A - P06D3 -	404233,721	9671343,972	3,646
A - P06D2 -	404239,896	9671346,594	4,664
A - S06D	404249,829	9671350,812	6,359
A - P06D4	404267,392	9671358,270	6,446
A - P06D5	404287,384	9671366,760	4,782
A - P06D6	404325,902	9671383,116	7,064

PONTO	E	N	COTA
A - S07EA	401091,396	9673147,614	15,373
A - P07E1	401106,004	9673155,306	14,983
A - S07E	401130,512	9673168,211	14,335
A - P07E2	401142,698	9673174,628	11,717
A - P07E3	401158,635	9673183,020	8,516
A - P07E4	401171,130	9673189,599	6,780
A - P07E5	401189,032	9673199,026	5,769
A - P07E6	401207,317	9673208,654	5,948
A - P07E7	401212,090	9673211,167	5,937
A - P07E8 -	401215,263	9673212,838	4,455
A - P07E9 -	401218,036	9673214,298	3,550
A - 13944	401231,252	9673221,257	-0,125
A - 13943	401238,207	9673224,920	-0,125
A - 13942	401244,517	9673228,242	-1,225
A - 13941	401248,069	9673230,112	-2,075
A - 13940	401251,877	9673232,118	-2,705
A - 13939	401256,173	9673234,380	-2,965
A - 13938	401261,081	9673236,964	-3,025
A - 13937	401266,881	9673240,018	-2,955
A - 13936	401274,015	9673243,775	-2,935
A - 13935	401282,710	9673248,353	-2,645
A - 13934	401292,081	9673253,288	-2,545
A - 13933	401301,963	9673258,491	-2,555
A - 13932	401312,506	9673264,043	-2,235
A - 13931	401324,004	9673270,097	-2,085
A - 13930	401336,160	9673276,498	-2,155
A - 13929	401348,739	9673283,122	-2,115
A - 13928	401361,616	9673289,902	-1,835
A - 13927	401374,536	9673296,706	-1,285
A - 13926	401387,456	9673303,509	-0,705
A - 13925	401400,360	9673310,304	-0,495
A - 13924	401413,242	9673317,087	-0,565
A - 13923	401426,133	9673323,875	-0,795
A - 13922	401439,122	9673330,715	-1,085
A - 13921	401452,170	9673337,585	-0,985
A - 13920	401465,224	9673344,459	-0,505
A - 13919	401478,291	9673351,340	0,345
A - 13918	401491,407	9673358,246	0,955
A - 13917	401504,557	9673365,170	1,555
A - 13916	401517,692	9673372,086	1,565
A - 13915	401530,767	9673378,971	1,455
A - 13914	401543,780	9673385,824	1,155
A - 13913	401556,722	9673392,639	0,685
A - 13912	401569,597	9673399,418	-0,155
A - 13911	401582,491	9673406,208	-1,465
A - 13910	401595,434	9673413,023	-2,005
A - 13909	401608,408	9673419,855	-2,305
A - 13908	401621,450	9673426,722	-2,805
A - 13907	401634,568	9673433,629	-3,695
A - 13906	401647,691	9673440,540	-4,225
A - 13905	401660,782	9673447,433	-4,495
A - 13904	401673,820	9673454,298	-4,775
A - 13903	401686,754	9673461,109	-5,045
A - 13902	401699,701	9673467,926	-5,145
A - 13901	401712,662	9673474,751	-5,355
A - 13900	401725,614	9673481,571	-5,195
A - 13899	401738,589	9673488,403	-5,225
A - 13898	401751,579	9673495,244	-5,255
A - 13897	401764,584	9673502,092	-5,425
A - 13896	401777,596	9673508,943	-5,735
A - 13895	401790,614	9673515,798	-5,975
A - 13894	401803,630	9673522,652	-6,105
A - 13893	401816,627	9673529,496	-6,015
A - 13892	401829,617	9673536,336	-6,125
A - 13891	401842,644	9673543,195	-6,225
A - 13890	401855,710	9673550,076	-6,105
A - 13889	401868,822	9673556,980	-4,425
A - 13888	401881,974	9673563,905	-3,655
A - 13887	401895,113	9673570,824	-3,755
A - 13886	401908,220	9673577,725	-3,405
A - 13885	401921,271	9673584,597	-3,205
A - 13884	401934,307	9673591,462	-2,945
A - 13883	401947,365	9673598,337	-2,915
A - 13882	401960,505	9673605,256	-2,885
A - 13881	401973,709	9673612,209	-3,615
A - 13880	401986,892	9673619,151	-3,555
A - 13879	402000,101	9673626,106	-3,265
A - 13878	402013,320	9673633,068	-3,205
A - 13877	402026,537	9673640,027	-3,215
A - 13876	402039,749	9673646,984	-3,435
A - 13875	402052,925	9673653,922	-3,435
A - 13874	402066,128	9673660,874	-3,485

PONTO	E	N	COTA
A - 13873	402079,376	9673667,850	-3,365
A - 13872	402092,621	9673674,824	-3,595
A - 13871	402105,842	9673681,786	-3,745
A - 13870	402119,042	9673688,737	-3,945
A - 13869	402132,265	9673695,700	-4,415
A - 13868	402145,508	9673702,673	-4,465
A - 13867	402158,769	9673709,656	-4,515
A - 13866	402172,047	9673716,648	-4,515
A - 13865	402185,334	9673723,644	-4,515
A - 13864	402198,589	9673730,624	-4,485
A - 13863	402211,860	9673737,611	-4,455
A - 13862	402225,103	9673744,585	-4,245
A - 13861	402238,312	9673751,540	-3,935
A - 13860	402251,580	9673758,527	-3,935
A - 13859	402264,884	9673765,532	-3,665
A - 13858	402278,171	9673772,528	-3,525
A - 13857	402291,434	9673779,513	-3,535
A - 13856	402304,639	9673786,466	-3,825
A - 13855	402317,875	9673793,435	-3,825
A - 13854	402331,139	9673800,420	-3,825
A - 13853	402344,444	9673807,426	-3,825
A - 13852	402357,769	9673814,442	-3,705
A - 13851	402371,075	9673821,449	-3,655
A - 13850	402384,344	9673828,436	-3,425
A - 13849	402397,596	9673835,414	-3,625
A - 13848	402410,846	9673842,391	-3,675
A - 13847	402424,080	9673849,359	-3,235
A - 13846	402437,303	9673856,322	-2,115
A - 13845	402450,524	9673863,284	-1,785
A - 13844	402463,738	9673870,242	-1,465
A - 13843	402476,941	9673877,194	-1,415
A - 13842	402490,165	9673884,157	-1,625
A - 13841	402503,372	9673891,112	-1,745
A - 13840	402516,564	9673898,058	-1,395
A - 13839	402529,746	9673904,999	-1,345
A - 13838	402542,945	9673911,949	-1,405
A - 13837	402556,151	9673918,903	-1,485
A - 13836	402569,384	9673925,871	-1,605
A - 13835	402582,570	9673932,815	-1,635
A - 13834	402595,732	9673939,745	-1,505
A - 13833	402608,873	9673946,665	-1,415
A - 13832	402621,975	9673953,564	-0,935
A - 13831	402635,112	9673960,481	-0,275
A - 13830	402648,277	9673967,414	0,295
A - 13829	402661,447	9673974,349	0,585
A - 13828	402674,604	9673981,276	0,865
A - 13827	402687,766	9673988,207	1,075
A - 13826	402700,923	9673995,135	1,175
A - 13825	402714,066	9674002,056	1,215
A - 13824	402727,236	9674008,991	1,335
A - 13823	402740,440	9674015,944	1,425
A - 13822	402753,664	9674022,907	1,605
A - 13821	402766,833	9674029,841	1,775
A - 13820	402779,920	9674036,732	1,825
A - 13819	402792,988	9674043,613	1,845
A - 13818	402806,061	9674050,497	1,985
A - 13817	402819,121	9674057,374	1,985
A - 13816	402832,165	9674064,243	1,895
A - 13815	402845,194	9674071,103	2,115
A - 13814	402858,208	9674077,956	2,365
A - 13813	402871,243	9674084,820	2,355
A - 13812	402884,296	9674091,693	2,295
A - 13811	402897,307	9674098,544	2,275
A - 13810	402910,278	9674105,374	2,115
A - 13809	402923,233	9674112,196	2,165
A - 13808	402936,145	9674118,995	2,105
A - 13807	402949,023	9674125,776	1,985
A - 13806	402961,873	9674132,543	1,915
A - 13805	402974,689	9674139,291	1,945
A - 13804	402987,486	9674146,029	1,985
A - 13803	403000,258	9674152,755	1,985
A - 13802	403013,002	9674159,465	2,005
A - 13801	403025,714	9674166,159	1,895
A - 13800	403038,395	9674172,836	1,895
A - 13799	403051,024	9674179,486	1,745
A - 13798	403063,651	9674186,135	1,565
A - 13797	403076,303	9674192,797	1,405
A - 13796	403088,956	9674199,460	1,265
A - 13795	403101,602	9674206,119	0,845
A - 13794	403114,190	9674212,747	0,695
A - 13793	403126,778	9674219,376	0,605
A - 13792	403139,392	9674226,018	0,415

PONTO	E	N	COTA
A - 13791	403151,987	9674232,650	0,445
A - 13790	403164,597	9674239,290	0,555
A - 13789	403177,203	9674245,928	0,725
A - 13788	403189,781	9674252,551	0,915
A - 13787	403202,348	9674259,168	1,035
A - 13786	403214,901	9674265,778	1,035
A - 13785	403227,449	9674272,386	1,075
A - 13784	403240,001	9674278,995	0,955
A - 13783	403252,550	9674285,603	0,455
A - 13782	403265,093	9674292,208	0,085
A - 13781	403277,653	9674298,821	0,045
A - 13780	403290,290	9674305,475	-0,065
A - 13779	403302,982	9674312,158	-0,165
A - 13778	403315,690	9674318,850	-0,275
A - 13777	403328,411	9674325,549	-0,375
A - 13776	403341,101	9674332,231	-0,375
A - 13775	403353,801	9674338,918	-0,375
A - 13774	403366,509	9674345,610	-0,595
A - 13773	403379,281	9674352,335	-0,865
A - 13772	403392,013	9674359,039	-1,025
A - 13771	403404,637	9674365,687	-1,135
A - 13770	403417,153	9674372,277	-1,465
A - 13769	403429,526	9674378,792	-2,035
A - 13768	403441,657	9674385,180	-2,115
A - 13767	403453,505	9674391,419	-2,195
A - 13766	403465,170	9674397,561	-2,035
A - 13765	403476,776	9674403,673	-1,435
A - 13764	403488,366	9674409,775	-1,395
A - 13763	403499,976	9674415,889	-1,265
A - 13762	403511,608	9674422,014	-0,985
A - 13761	403523,295	9674428,168	-0,765
A - 13760	403534,948	9674434,304	-0,815
A - 13759	403546,476	9674440,374	-0,415
A - 13758	403557,851	9674446,364	0,215
A - 13757	403569,100	9674452,287	0,735
A - 13756	403580,222	9674458,144	0,875
A - 13755	403591,183	9674463,915	0,905
A - 13754	403601,702	9674469,454	0,765
A - 13753	403612,082	9674474,920	0,745
A - 13752	403622,637	9674480,478	0,855
A - 13751	403633,286	9674486,085	0,995
A - 13750	403643,641	9674491,538	1,095
A - 13749	403653,610	9674496,787	1,085
A - 13748	403663,274	9674501,876	1,055
A - 13747	403672,266	9674506,611	1,055
A - 13746	403680,085	9674510,728	1,065
A - 13745	403686,392	9674514,049	1,065
A - 13744	403691,410	9674516,691	1,035
A - 13743	403695,914	9674519,063	1,035
A - 13742	403700,084	9674521,259	1,105
A - 13741	403703,832	9674523,232	1,295
A - P07D4 -	403712,953	9674528,035	3,769
A - P07D3 -	403713,871	9674528,518	4,683
A - P07D2	403714,045	9674528,610	5,462
A - P07D1	403716,253	9674529,773	6,699
A - S07D	403717,789	9674530,582	6,940
A - P07D5	403734,849	9674539,565	6,651
A - P07D6	403751,329	9674548,243	6,558
A - P07D7	403764,134	9674554,985	6,544

PONTO	E	N	COTA
A - P08E7	397659,194	9677614,304	9,666
A - P08E6	397664,678	9677617,808	9,671
A - P08E5	397677,405	9677625,941	9,837
A - S08E	397684,467	9677630,454	9,603
A - P08E1	397686,109	9677631,503	9,514
A - P08E2	397690,190	9677634,112	5,203
A - P08E3 -	397693,270	9677636,080	4,569
A - P08E4 -	397697,260	9677638,630	3,796
A - 13509	397709,961	9677646,746	3,729
A - 13510	397713,162	9677648,791	3,639
A - 13511	397719,383	9677652,767	3,299
A - 13512	397723,101	9677655,143	3,229
A - 13513	397727,094	9677657,694	3,139
A - 13514	397731,376	9677660,431	3,069
A - 13515	397735,739	9677663,219	3,039
A - 13516	397739,884	9677665,867	2,989
A - 13517	397743,961	9677668,473	2,949
A - 13518	397748,036	9677671,077	2,969
A - 13519	397752,098	9677673,672	2,989
A - 13520	397756,374	9677676,405	2,989
A - 13521	397760,762	9677679,209	2,949
A - 13522	397765,219	9677682,057	2,919
A - 13523	397769,754	9677684,955	2,929
A - 13524	397774,243	9677687,824	2,929
A - 13525	397778,785	9677690,726	2,909
A - 13526	397783,508	9677693,744	2,869
A - 13527	397788,461	9677696,910	2,819
A - 13528	397793,917	9677700,396	2,829
A - 13529	397799,659	9677704,066	2,799
A - 13530	397805,573	9677707,845	2,729
A - 13531	397811,626	9677711,712	2,419
A - 13532	397817,602	9677715,532	2,129
A - 13533	397822,976	9677718,966	1,839
A - 13534	397827,961	9677722,151	1,679
A - 13535	397833,137	9677725,459	1,529
A - 13536	397839,312	9677729,405	1,409
A - 13537	397846,291	9677733,865	1,279
A - 13538	397853,697	9677738,597	1,059
A - 13539	397861,323	9677743,471	0,809
A - 13540	397869,120	9677748,453	0,519
A - 13541	397877,372	9677753,727	0,249
A - 13542	397886,175	9677759,352	0,039
A - 13543	397895,293	9677765,179	-0,211
A - 13544	397904,648	9677771,157	-0,421
A - 13545	397914,139	9677777,221	-0,721
A - 13546	397923,687	9677783,323	-0,921
A - 13547	397933,198	9677789,401	-1,131
A - 13548	397942,685	9677795,463	-1,411
A - 13549	397952,267	9677801,586	-1,651
A - 13550	397961,897	9677807,740	-1,821
A - 13551	397971,548	9677813,908	-1,971
A - 13552	397981,237	9677820,099	-2,071
A - 13553	397990,957	9677826,310	-2,161
A - 13554	398000,735	9677832,559	-2,271
A - 13555	398010,608	9677838,868	-2,151
A - 13556	398020,500	9677845,190	-2,421
A - 13557	398030,277	9677851,437	-2,381
A - 13558	398039,932	9677857,607	-2,381
A - 13559	398049,519	9677863,733	-2,731
A - 13560	398059,237	9677869,943	-2,651
A - 13561	398069,054	9677876,217	-2,821
A - 13562	398078,896	9677882,506	-3,121
A - 13563	398088,610	9677888,713	-3,281
A - 13564	398098,396	9677894,967	-3,621
A - 13565	398108,222	9677901,247	-3,791
A - 13566	398118,139	9677907,583	-3,951
A - 13567	398127,973	9677913,867	-4,051
A - 13568	398137,556	9677919,991	-4,241
A - 13569	398146,836	9677925,922	-4,511
A - 13570	398156,242	9677931,933	-4,901
A - 13571	398165,844	9677938,068	-5,681
A - 13572	398175,582	9677944,292	-5,691
A - 13573	398185,386	9677950,556	-5,591
A - 13574	398195,130	9677956,783	-6,041
A - 13575	398204,976	9677963,075	-6,491
A - 13576	398214,908	9677969,422	-6,831
A - 13577	398224,926	9677975,824	-6,891
A - 13578	398234,920	9677982,210	-7,101
A - 13579	398244,893	9677988,583	-7,001
A - 13580	398254,816	9677994,924	-6,901
A - 13581	398264,721	9678001,254	-6,891
A - 13582	398274,702	9678007,632	-7,031

PONTO	E	N	COTA
A - 13583	398284,695	9678014,018	-7,011
A - 13584	398294,662	9678020,387	-6,981
A - 13585	398304,498	9678026,672	-6,961
A - 13586	398314,239	9678032,897	-6,911
A - 13587	398324,005	9678039,138	-7,081
A - 13588	398333,860	9678045,436	-7,051
A - 13589	398343,733	9678051,745	-7,061
A - 13590	398353,586	9678058,041	-7,361
A - 13591	398363,452	9678064,345	-7,961
A - 13592	398373,390	9678070,696	-7,891
A - 13593	398383,398	9678077,092	-7,811
A - 13594	398393,396	9678083,480	-7,731
A - 13595	398403,403	9678089,875	-7,641
A - 13596	398413,395	9678096,261	-7,661
A - 13597	398423,387	9678102,646	-7,671
A - 13598	398433,421	9678109,058	-7,681
A - 13599	398443,532	9678115,519	-7,601
A - 13600	398453,685	9678122,007	-7,221
A - 13601	398463,821	9678128,484	-6,761
A - 13602	398473,928	9678134,943	-6,671
A - 13603	398484,033	9678141,400	-6,311
A - 13604	398493,922	9678147,720	-6,041
A - 13605	398503,756	9678154,004	-6,171
A - 13606	398513,666	9678160,337	-6,431
A - 13607	398523,663	9678166,725	-6,401
A - 13608	398533,731	9678173,159	-6,071
A - 13609	398543,837	9678179,617	-6,061
A - 13610	398554,119	9678186,187	-5,881
A - 13611	398564,345	9678192,722	-5,771
A - 13612	398574,643	9678199,303	-5,731
A - 13613	398584,955	9678205,893	-5,611
A - 13614	398595,301	9678212,504	-5,181
A - 13615	398605,709	9678219,155	-4,681
A - 13616	398616,053	9678225,765	-4,521
A - 13617	398626,439	9678232,402	-4,411
A - 13618	398636,911	9678239,094	-4,291
A - 13619	398647,438	9678245,821	-4,841
A - 13620	398657,930	9678252,526	-5,271
A - 13621	398668,381	9678259,204	-5,501
A - 13622	398678,750	9678265,830	-5,731
A - 13623	398689,079	9678272,431	-5,691
A - 13624	398699,388	9678279,019	-5,691
A - 13625	398709,766	9678285,650	-5,491
A - 13626	398720,267	9678292,361	-5,371
A - 13627	398730,747	9678299,058	-5,071
A - 13628	398741,251	9678305,770	-4,861
A - 13629	398751,792	9678312,506	-4,561
A - 13630	398762,335	9678319,244	-4,481
A - 13631	398772,856	9678325,967	-4,261
A - 13632	398783,365	9678332,683	-4,021
A - 13633	398793,868	9678339,394	-3,861
A - 13634	398804,393	9678346,120	-3,631
A - 13635	398814,929	9678352,852	-3,351
A - 13636	398825,427	9678359,561	-3,051
A - 13637	398835,923	9678366,268	-2,881
A - 13638	398846,440	9678372,989	-3,081
A - 13639	398856,939	9678379,698	-3,001
A - 13640	398867,437	9678386,407	-2,901
A - 13641	398877,979	9678393,143	-2,771
A - 13642	398888,546	9678399,896	-2,631
A - 13643	398899,121	9678406,654	-2,471
A - 13644	398909,717	9678413,425	-2,321
A - 13645	398920,251	9678420,156	-2,291
A - 13646	398929,755	9678426,230	-2,271
A - 13647	398938,055	9678431,534	-2,491
A - 13648	398945,517	9678436,302	-2,471
A - 13649	398953,126	9678441,164	-2,561
A - 13650	398961,483	9678446,505	-2,481
A - 13651	398970,317	9678452,150	-2,571
A - 13652	398979,481	9678458,006	-2,551
A - 13653	398988,792	9678463,957	-2,471
A - 13654	398998,256	9678470,004	-2,541
A - 13655	399007,786	9678476,094	-2,511
A - 13656	399017,454	9678482,272	-2,501
A - 13657	399027,228	9678488,518	-2,391
A - 13658	399037,126	9678494,843	-2,381
A - 13659	399046,978	9678501,139	-2,281
A - 13660	399056,480	9678507,211	-2,311
A - 13661	399065,573	9678513,021	-2,271
A - 13662	399074,524	9678518,742	-2,181
A - 13663	399083,594	9678524,537	-2,261
A - 13664	399092,794	9678530,416	-2,381

PONTO	E	N	COTA
A - 13665	399102,004	9678536,302	-2,561
A - 13666	399111,017	9678542,061	-2,841
A - 13667	399119,845	9678547,703	-3,051
A - 13668	399128,757	9678553,398	-2,931
A - 13669	399137,894	9678559,237	-3,011
A - 13670	399147,391	9678565,306	-2,971
A - 13671	399157,231	9678571,594	-2,991
A - 13672	399167,355	9678578,063	-2,981
A - 13673	399177,686	9678584,665	-2,191
A - 13674	399188,128	9678591,338	-1,141
A - 13675	399198,654	9678598,064	-0,741
A - 13676	399209,213	9678604,812	-0,501
A - 13677	399219,776	9678611,562	-0,381
A - 13678	399230,259	9678618,261	-0,421
A - 13679	399240,702	9678624,934	-0,371
A - 13680	399251,172	9678631,624	-0,301
A - 13681	399261,653	9678638,323	-0,371
A - 13682	399272,177	9678645,047	-0,401
A - 13683	399282,800	9678651,836	-0,411
A - 13684	399293,503	9678658,676	-0,401
A - 13685	399304,254	9678665,545	-0,531
A - 13686	399315,052	9678672,446	-0,611
A - 13687	399325,890	9678679,372	-0,911
A - 13688	399336,800	9678686,343	-1,571
A - 13689	399347,720	9678693,322	-1,921
A - 13690	399358,664	9678700,315	-2,011
A - 13691	399369,582	9678707,292	-1,911
A - 13692	399380,472	9678714,251	-1,661
A - 13693	399391,375	9678721,218	-1,621
A - 13694	399402,329	9678728,219	-1,931
A - 13695	399413,217	9678735,176	-2,311
A - 13696	399423,871	9678741,985	-2,831
A - 13697	399434,490	9678748,770	-3,351
A - 13698	399445,113	9678755,559	-3,641
A - 13699	399455,799	9678762,387	-3,991
A - 13700	399466,492	9678769,220	-4,071
A - 13701	399477,249	9678776,095	-3,921
A - 13702	399488,023	9678782,979	-3,781
A - 13703	399498,814	9678789,875	-3,591
A - 13704	399509,619	9678796,780	-3,651
A - 13705	399520,389	9678803,662	-3,681
A - 13706	399531,198	9678810,569	-3,981
A - 13707	399541,981	9678817,460	-3,931
A - 13708	399552,725	9678824,326	-3,631
A - 13709	399563,508	9678831,217	-3,251
A - 13710	399574,259	9678838,087	-3,041
A - 13711	399584,920	9678844,900	-2,931
A - 13712	399595,536	9678851,684	-2,801
A - 13713	399605,903	9678858,308	-2,871
A - 13714	399616,291	9678864,947	-2,751
A - 13715	399626,850	9678871,694	-2,521
A - 13716	399637,497	9678878,498	-2,261
A - 13717	399648,259	9678885,375	-2,161
A - 13718	399658,978	9678892,225	-2,011
A - 13719	399669,289	9678898,814	-2,041
A - 13720	399679,437	9678905,298	-2,111
A - 13721	399689,567	9678911,772	-1,991
A - 13722	399699,714	9678918,256	-1,711
A - 13723	399709,860	9678924,740	-1,191
A - 13724	399720,046	9678931,249	-0,921
A - 13725	399730,260	9678937,776	-0,701
A - 13726	399740,463	9678944,296	-0,551
A - 13727	399750,696	9678950,835	-0,221
A - 13728	399760,909	9678957,361	0,499
A - 13729	399771,103	9678963,876	0,859
A - 13730	399781,310	9678970,398	0,949
A - 13731	399790,739	9678976,424	1,369
A - 13732	399798,836	9678981,598	1,719
A - 13733	399805,914	9678986,121	1,719
A - 13734	399812,161	9678990,113	1,729
A - 13735	399817,905	9678993,784	1,889
A - 13736	399823,005	9678997,043	2,139
A - 13737	399827,104	9678999,662	2,419
A - P08D5 -	399846,142	9679011,828	4,348
A - P08D4 -	399849,741	9679014,128	4,734
A - P08D3	399855,953	9679018,097	5,971
A - P08D2	399862,770	9679022,454	6,113
A - P08D1	399871,026	9679027,729	6,074
A - S08D	399877,818	9679032,070	6,076
A - P08D6	399894,180	9679042,526	5,584
A - P08D6	399894,182	9679042,527	5,584
A - P08D7	399910,391	9679052,885	5,135

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A - S09EA	394956,888	9680869,702	7,406
A - S09E	394979,673	9680880,546	5,725
A - P09E1	394994,363	9680887,536	4,992
A - P09E2	395008,592	9680894,308	5,006
A - P09E3	395022,309	9680900,835	4,769
A - P09E4	395036,827	9680907,744	4,342
A - P09E5	395047,469	9680912,809	4,651
A - P09E6 -	395049,049	9680913,561	3,980
A - P09E7 -	395050,608	9680914,302	3,376
A - 13507	395094,108	9680935,003	-0,431
A - 13506	395099,738	9680937,683	-2,481
A - 13505	395104,610	9680940,001	-2,601
A - 13504	395110,067	9680942,598	-2,891
A - 13503	395115,781	9680945,317	-3,331
A - 13502	395121,759	9680948,162	-3,561
A - 13501	395128,277	9680951,264	-3,751
A - 13500	395135,407	9680954,657	-3,801
A - 13499	395143,144	9680958,339	-3,491
A - 13498	395151,514	9680962,322	-3,951
A - 13497	395160,631	9680966,660	-4,391
A - 13496	395170,606	9680971,408	-4,881
A - 13495	395181,873	9680976,769	-4,971
A - 13494	395194,902	9680982,969	-4,491
A - 13493	395208,873	9680989,618	-4,921
A - 13492	395223,366	9680996,515	-4,241
A - 13491	395237,817	9681003,392	-3,951
A - 13490	395252,194	9681010,234	-4,001
A - 13489	395266,366	9681016,978	-3,661
A - 13488	395280,410	9681023,662	-3,791
A - 13487	395294,507	9681030,370	-4,121
A - 13486	395308,706	9681037,127	-3,741
A - 13485	395323,027	9681043,942	-4,021
A - 13484	395337,358	9681050,762	-4,281
A - 13483	395351,692	9681057,584	-4,481
A - 13482	395365,966	9681064,376	-4,751
A - 13481	395380,208	9681071,154	-5,231
A - 13480	395394,483	9681077,947	-5,561
A - 13479	395408,894	9681084,805	-5,701
A - 13478	395423,420	9681091,718	-5,201
A - 13477	395437,958	9681098,636	-5,171
A - 13476	395452,513	9681105,563	-4,561
A - 13475	395467,042	9681112,477	-3,871
A - 13474	395481,400	9681119,309	-3,571
A - 13473	395495,626	9681126,079	-3,141
A - 13472	395509,938	9681132,890	-3,001
A - 13471	395524,326	9681139,737	-3,381
A - 13470	395538,793	9681146,622	-3,221
A - 13469	395553,353	9681153,551	-2,311
A - 13468	395567,957	9681160,500	-2,041
A - 13467	395582,563	9681167,451	-1,571
A - 13466	395597,175	9681174,405	-1,101
A - 13465	395611,785	9681181,357	-0,961
A - 13464	395626,362	9681188,295	-0,991
A - 13463	395640,869	9681195,198	-0,781
A - 13462	395655,272	9681202,052	-0,881
A - 13461	395669,605	9681208,873	-1,161
A - 13460	395683,931	9681215,691	-1,081
A - 13459	395698,288	9681222,523	-0,991
A - 13458	395712,676	9681229,370	-0,821
A - 13457	395727,157	9681236,261	-0,981
A - 13456	395741,657	9681243,162	-0,701
A - 13455	395756,204	9681250,084	-0,571
A - 13454	395770,800	9681257,030	-0,791
A - 13453	395785,425	9681263,990	-0,911
A - 13452	395799,991	9681270,922	-0,831
A - 13451	395814,470	9681277,812	-0,671
A - 13450	395828,841	9681284,651	-0,921
A - 13449	395843,225	9681291,496	-1,351
A - 13448	395857,519	9681298,298	-1,061
A - 13447	395871,725	9681305,059	-0,861
A - 13446	395885,830	9681311,771	-0,931
A - 13445	395899,866	9681318,451	-1,321
A - 13444	395913,920	9681325,138	-1,351
A - 13443	395927,997	9681331,838	-1,501
A - 13442	395942,110	9681338,554	-1,371
A - 13441	395956,299	9681345,306	-0,921
A - 13440	395971,091	9681352,346	-0,531
A - 13439	395985,046	9681358,986	-0,351
A - 13438	395999,420	9681365,827	-0,531
A - 13437	396014,256	9681372,887	-0,371
A - 13436	396028,625	9681379,725	-0,311
A - 13435	396042,992	9681386,562	0,119

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A - 13434	396057,354	9681393,396	0,729
A - 13433	396071,676	9681400,212	0,699
A - 13432	396085,921	9681406,991	0,579
A - 13431	396100,050	9681413,715	0,459
A - 13430	396114,122	9681420,412	0,499
A - 13429	396128,166	9681427,095	0,689
A - 13428	396142,263	9681433,804	0,759
A - 13427	396156,479	9681440,568	0,879
A - 13426	396170,829	9681447,397	0,839
A - 13425	396185,209	9681454,241	0,829
A - 13424	396199,567	9681461,073	0,669
A - 13423	396213,919	9681467,903	0,529
A - 13422	396228,259	9681474,727	0,659
A - 13421	396242,593	9681481,549	0,579
A - 13420	396256,932	9681488,373	0,409
A - 13419	396271,249	9681495,186	0,419
A - 13418	396285,533	9681501,983	-0,121
A - 13417	396299,816	9681508,781	-1,041
A - 13416	396314,113	9681515,584	-1,541
A - 13415	396328,414	9681522,389	-1,681
A - 13414	396342,736	9681529,205	-1,711
A - 13413	396357,103	9681536,042	-1,961
A - 13412	396371,485	9681542,887	-1,791
A - 13411	396385,813	9681549,705	-1,561
A - 13410	396400,117	9681556,512	-1,441
A - 13409	396414,397	9681563,308	-1,601
A - 13408	396428,683	9681570,106	-1,551
A - 13407	396443,060	9681576,948	-1,411
A - 13406	396457,455	9681583,798	-1,691
A - 13405	396471,881	9681590,663	-1,791
A - 13404	396486,349	9681597,549	-1,841
A - 13403	396500,851	9681604,449	-1,911
A - 13402	396515,369	9681611,359	-2,261
A - 13401	396529,882	9681618,265	-2,461
A - 13400	396544,372	9681625,161	-2,441
A - 13399	396558,822	9681632,037	-2,161
A - 13398	396573,255	9681638,905	-2,001
A - 13397	396587,686	9681645,773	-2,351
A - 13396	396602,075	9681652,620	-2,521
A - 13395	396616,423	9681659,449	-2,481
A - 13394	396630,778	9681666,280	-2,461
A - 13393	396645,183	9681673,135	-2,431
A - 13392	396659,591	9681679,992	-2,411
A - 13391	396673,928	9681686,814	-2,541
A - 13390	396688,059	9681693,539	-2,711
A - 13389	396701,916	9681700,133	-2,541
A - 13388	396715,528	9681706,611	-1,621
A - 13387	396729,083	9681713,062	-0,661
A - 13386	396742,535	9681719,463	-0,291
A - 13385	396755,894	9681725,821	-0,271
A - 13384	396769,284	9681732,193	-0,171
A - 13383	396782,771	9681738,611	-0,051
A - 13382	396796,310	9681745,054	-0,181
A - 13381	396809,870	9681751,507	0,059
A - 13380	396823,417	9681757,954	0,239
A - 13379	396836,960	9681764,399	0,199
A - 13378	396850,506	9681770,845	0,319
A - 13377	396863,998	9681777,266	0,319
A - 13376	396877,407	9681783,646	0,389
A - 13375	396890,831	9681790,035	0,319
A - 13374	396904,319	9681796,454	0,309
A - 13373	396917,823	9681802,880	0,369
A - 13372	396931,311	9681809,298	0,139
A - 13371	396944,819	9681815,727	0,099
A - 13370	396958,344	9681822,163	0,499
A - 13369	396971,909	9681828,618	1,389
A - 13368	396985,503	9681835,088	1,759
A - 13367	396999,146	9681841,580	1,789
A - 13366	397012,794	9681848,075	1,789
A - 13365	397026,479	9681854,588	2,079
A - 13364	397040,201	9681861,118	2,009
A - 13363	397053,960	9681867,665	2,079
A - 13362	397067,707	9681874,207	1,959
A - 13361	397081,421	9681880,734	2,029
A - 13360	397095,119	9681887,252	1,949
A - 13359	397108,788	9681893,757	1,699
A - 13358	397122,393	9681900,231	1,539
A - 13357	397135,936	9681906,676	1,349
A - 13356	397149,380	9681913,074	1,299
A - 13355	397162,755	9681919,439	1,239
A - 13354	397176,125	9681925,802	1,189
A - 13353	397189,526	9681932,179	1,189

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A - 13352	397202,886	9681938,537	1,229
A - 13351	397216,258	9681944,900	1,339
A - 13350	397229,636	9681951,267	1,349
A - 13349	397243,002	9681957,627	1,219
A - 13348	397256,342	9681963,976	1,449
A - 13347	397269,662	9681970,314	2,129
A - 13346	397282,897	9681976,613	2,209
A - 13345	397295,931	9681982,816	2,439
A - 13344	397308,685	9681988,885	2,279
A - 13343	397321,113	9681994,799	2,199
A - 13342	397333,382	9682000,638	1,949
A - 13341	397345,486	9682006,398	1,649
A - 13340	397357,515	9682012,122	1,489
A - 13339	397369,543	9682017,846	1,369
A - 13338	397381,553	9682023,561	1,309
A - 13337	397393,455	9682029,226	1,379
A - 13336	397405,271	9682034,849	1,389
A - 13335	397417,211	9682040,531	1,459
A - 13334	397429,242	9682046,256	1,619
A - 13333	397441,261	9682051,975	1,639
A - 13332	397453,254	9682057,683	1,389
A - 13331	397465,185	9682063,360	1,239
A - 13330	397477,054	9682069,009	1,359
A - 13329	397488,918	9682074,655	1,529
A - 13328	397500,846	9682080,331	2,249
A - 13327	397512,686	9682085,965	2,349
A - 13326	397524,259	9682091,473	2,189
A - 13325	397535,442	9682096,795	1,909
A - 13324	397546,576	9682102,093	1,669
A - 13323	397557,644	9682107,360	1,259
A - 13322	397568,548	9682112,550	0,889
A - 13321	397579,105	9682117,573	0,279
A - 13320	397589,131	9682122,345	-0,191
A - 13319	397598,965	9682127,024	-0,871
A - 13318	397608,591	9682131,605	-0,671
A - 13317	397617,662	9682135,922	-0,171
A - 13316	397625,921	9682139,852	0,599
A - 13315	397633,017	9682143,229	1,789
A - 13314	397641,267	9682147,155	2,609
A - P09D24	397654,286	9682153,351	4,756
A - P09D23	397655,050	9682153,714	5,558
A - P09D22	397668,751	9682160,234	5,074
A - P09D21	397684,262	9682167,616	5,344
A - P09D20	397702,321	9682176,210	5,843
A - P09D19	397722,014	9682185,581	5,559
A - P09D18	397729,392	9682189,093	5,388
A - P09D17	397747,225	9682197,579	5,245
A - P09D16	397764,929	9682206,004	5,355
A - P09D15	397787,446	9682216,720	5,474
A - P09D14	397804,316	9682224,748	5,517
A - P09D13	397817,959	9682231,240	5,634
A - P09D12	397837,564	9682240,570	5,656
A - P09D11	397853,585	9682248,194	5,452
A - P09D10	397868,969	9682255,515	5,445
A - S09D	397885,070	9682263,177	5,930
A - P09D9	397895,131	9682267,965	5,900
A - P09D8	397906,684	9682273,463	6,165
A - P09D7 -	397908,488	9682274,321	4,599
A - 13312	397919,587	9682279,603	0,159
A - 13311	397925,518	9682282,426	-0,941
A - 13310	397929,537	9682284,338	-1,431
A - 13309	397934,480	9682286,691	-1,701
A - 13308	397940,226	9682289,425	-1,861
A - 13307	397946,723	9682292,517	-1,701
A - 13306	397953,756	9682295,864	-1,401
A - 13305	397960,878	9682299,253	-0,951
A - 13304	397967,779	9682302,537	-0,631
A - 13303	397974,399	9682305,687	-0,401
A - 13302	397980,762	9682308,715	-0,251
A - 13301	397986,750	9682311,565	-0,131
A - 13300	397992,582	9682314,340	0,029
A - 13299	397998,840	9682317,319	0,389
A - 13298	398005,291	9682320,388	0,689
A - 13297	398011,664	9682323,421	0,949
A - 13296	398018,177	9682326,521	1,149
A - 13295	398024,919	9682329,729	1,559
A - 13294	398031,687	9682332,950	1,859
A - 13293	398038,252	9682336,074	1,919
A - 13292	398044,260	9682338,933	1,899
A - 13291	398049,377	9682341,368	1,969
A - 13290	398053,345	9682343,256	2,269
A - 13289	398056,278	9682344,652	2,529

A - P09D7 -	398061,458	9682347,118	3,774
A - P09D6 -	398062,980	9682347,842	4,739
A - P09D5	398065,166	9682348,882	5,867
A - S09DA	398071,951	9682352,111	5,079
A - P09D1	398080,319	9682356,093	4,810
A - P09D2	398089,174	9682360,307	4,761
A - P09D3	398099,707	9682365,320	4,361
A - P09D4	398108,422	9682369,467	4,342

PONTO	E	N	COTA
A - P10E11	387289,107	9685392,810	20,990
A - P10E10	387291,892	9685394,349	19,530
A - P10E9	387293,197	9685395,070	16,250
A - P10E8	387297,244	9685397,305	12,170
A - P10E7	387299,875	9685398,759	9,760
A - P10E6	387301,552	9685399,684	7,170
A - P10E5	387304,335	9685401,222	5,810
A - S10EA	387306,114	9685402,205	5,073
A - P10E1	387308,182	9685403,347	4,940
A - P10E2 - SUB	387309,509	9685404,080	4,450
A - P10E3 - SUB	387311,283	9685405,060	3,990
A - P10E4 - SUB	387311,931	9685405,418	3,810
A - 12917	387309,717	9685404,195	3,580
A - 12918	387313,468	9685406,267	2,680
A - 12919	387317,242	9685408,351	1,750
A - 12921	387321,735	9685410,833	0,430
A - 12920	387319,468	9685409,581	0,800
A - 12922	387327,800	9685414,183	-0,230
A - 12923	387332,326	9685416,683	-0,640
A - 12924	387337,403	9685419,488	-1,520
A - 12925	387342,559	9685422,336	-2,710
A - 12926	387347,927	9685425,301	-3,580
A - 12927	387353,697	9685428,488	-4,190
A - 12928	387359,915	9685431,923	-5,230
A - 12929	387366,572	9685435,600	-5,840
A - 12930	387373,541	9685439,449	-6,230
A - 12931	387380,576	9685443,335	-6,270
A - 12932	387387,851	9685447,353	-6,030
A - 12933	387395,304	9685451,471	-6,090
A - 12934	387402,851	9685455,639	-6,290
A - 12935	387410,558	9685459,896	-6,640
A - 12936	387418,303	9685464,174	-7,610
A - 12937	387425,892	9685468,366	-9,280
A - 12938	387433,464	9685472,549	-9,910
A - 12939	387441,056	9685476,742	-10,790
A - 12940	387448,805	9685481,022	-11,270
A - 12941	387456,578	9685485,316	-12,180
A - 12942	387464,296	9685489,579	-13,100
A - 12943	387471,985	9685493,826	-13,860
A - 12944	387479,730	9685498,104	-14,040
A - 12945	387487,723	9685502,520	-13,860
A - 12946	387495,736	9685506,946	-13,400
A - 12947	387503,889	9685511,449	-12,890
A - 12948	387512,008	9685515,934	-12,700
A - 12949	387519,929	9685520,309	-12,610
A - 12950	387527,752	9685524,630	-12,560
A - 12951	387535,362	9685528,834	-12,400
A - 12952	387543,021	9685533,064	-12,180
A - 12953	387550,967	9685537,454	-11,910
A - 12954	387559,055	9685541,921	-12,030
A - 12955	387567,133	9685546,383	-12,060
A - 12956	387575,439	9685550,971	-12,020
A - 12957	387584,176	9685555,797	-11,950
A - 12958	387593,369	9685560,875	-12,020
A - 12959	387602,780	9685566,073	-11,650
A - 12960	387612,370	9685571,371	-10,810
A - 12961	387622,174	9685576,786	-10,080
A - 12962	387632,025	9685582,227	-9,390
A - 12963	387641,747	9685587,598	-9,020
A - 12964	387651,456	9685592,961	-8,610
A - 12965	387661,173	9685598,328	-8,380
A - 12966	387671,078	9685603,799	-8,500
A - 12967	387681,090	9685609,330	-8,660
A - 12968	387691,174	9685614,899	-8,730
A - 12969	387701,275	9685620,479	-8,850
A - 12970	387711,301	9685626,017	-8,730
A - 12971	387721,269	9685631,523	-7,690
A - 12972	387731,271	9685637,048	-6,890
A - 12973	387741,327	9685642,603	-6,500
A - 12974	387751,450	9685648,194	-6,230
A - 12975	387761,567	9685653,782	-6,050
A - 12976	387771,714	9685659,387	-5,900
A - 12977	387781,885	9685665,005	-5,350
A - 12978	387792,076	9685670,635	-4,940
A - 12979	387802,117	9685676,181	-4,650
A - 12980	387812,062	9685681,674	-4,300
A - 12981	387821,974	9685687,149	-4,040
A - 12982	387831,903	9685692,634	-3,750
A - 12983	387841,954	9685698,185	-3,400
A - 12984	387852,023	9685703,747	-3,270
A - 12985	387862,243	9685709,393	-3,240
A - 12986	387872,415	9685715,011	-3,320

PONTO	E	N	COTA
A - 12987	387882,505	9685720,584	-3,710
A - 12988	387892,604	9685726,163	-3,890
A - 12989	387902,667	9685731,721	-3,870
A - 12990	387912,704	9685737,266	-3,750
A - 12991	387922,821	9685742,854	-3,680
A - 12992	387933,129	9685748,548	-3,210
A - 12993	387943,537	9685754,297	-2,960
A - 12994	387953,962	9685760,055	-2,740
A - 12995	387964,484	9685765,867	-2,550
A - 12996	387975,093	9685771,727	-2,400
A - 12997	387985,741	9685777,609	-2,270
A - 12998	387996,383	9685783,487	-2,760
A - 12999	388006,937	9685789,317	-2,800
A - 13000	388017,408	9685795,101	-2,680
A - 13001	388027,846	9685800,866	-2,330
A - 13002	388038,247	9685806,612	-2,130
A - 13003	388048,598	9685812,329	-1,840
A - 13004	388058,816	9685817,973	-1,600
A - 13005	388069,176	9685823,696	-1,750
A - 13006	388079,669	9685829,492	-2,740
A - 13007	388090,304	9685835,366	-3,230
A - 13008	388100,950	9685841,247	-3,480
A - 13009	388111,586	9685847,122	-3,720
A - 13010	388122,268	9685853,022	-3,740
A - 13011	388133,038	9685858,971	-3,660
A - 13012	388143,944	9685864,995	-3,670
A - 13013	388154,864	9685871,027	-3,550
A - 13014	388165,691	9685877,008	-3,550
A - 13015	388176,072	9685882,742	-3,680
A - 13016	388186,274	9685888,377	-3,580
A - 13017	388196,417	9685893,980	-3,470
A - 13018	388206,580	9685899,593	-3,510
A - 13019	388216,279	9685904,951	-3,580
A - 13020	388224,994	9685909,764	-3,660
A - 13021	388231,910	9685913,585	-3,680
A - 13022	388237,600	9685916,728	-3,820
A - 13023	388242,906	9685919,659	-3,910
A - 13024	388247,771	9685922,346	-3,840
A - 13025	388252,059	9685924,714	-3,900
A - P10E1 - NA07/(	388274,952	9685937,360	4,390
A - S10EB	388276,683	9685938,316	4,353
A - P10E2 - BRE	388289,782	9685945,551	4,419
A - P10E3 - BRE	388305,108	9685954,017	4,141
A - P10E4 - BRE	388318,766	9685961,562	4,077
A - P10E5 - BRE	388333,319	9685969,600	4,187
A - P10E6 - BRE	388348,142	9685977,788	3,884
A - P10E7 - BRE	388361,170	9685984,984	3,914
A - P10E8 - BRE	388374,468	9685992,329	3,782
A - P10E9 - BRE	388388,045	9685999,829	4,223
A - P10E10 - BRE	388402,655	9686007,899	4,150
A - P10E11 - BRE	388415,259	9686014,861	4,321
A - PI10	388426,630	9686021,142	4,577
A - P10E12 - BRE	388437,545	9686027,171	4,371
A - P10E13 - BRE	388447,723	9686032,793	4,281
A - P10E14	388456,063	9686037,400	4,976
A - P10E15 - NA07	388457,857	9686038,391	4,425
A - P10E16 - SUB	388459,561	9686039,332	2,894
A - 13026	388462,799	9686041,121	1,350
A - 13027	388465,570	9686042,651	1,150
A - 13028	388469,840	9686045,010	0,840
A - 13029	388474,170	9686047,401	0,800
A - 13030	388478,756	9686049,935	0,650
A - 13031	388483,983	9686052,822	0,610
A - 13032	388489,361	9686055,793	0,720
A - 13033	388494,877	9686058,839	0,840
A - 13034	388502,542	9686063,073	0,930
A - P10E17 - SUB	388510,730	9686067,596	2,475
A - P10E18 - NA07	388520,889	9686073,208	4,412
A - P10E19 - BRE	388533,891	9686080,390	2,762
A - P10E21 - BRE	388543,694	9686085,804	4,288
A - P10E20 - BRE	388543,697	9686085,806	3,191
A - S10EC	388558,115	9686093,770	4,813
A - P10E22	388574,947	9686103,067	4,934
A - P10E23	388595,945	9686114,666	4,570
A - P10E24	388615,049	9686125,218	4,872
A - P10E25	388633,581	9686135,455	4,825
A - P10E26	388651,733	9686145,482	4,785
A - P10E27	388668,538	9686154,764	4,734
A - P10E28	388686,620	9686164,752	4,889
A - P10E29	388701,777	9686173,124	4,797
A - PI12	388715,844	9686180,894	4,610
A - P10E31 - BRE	388730,657	9686189,077	4,162

PONTO	E	N	COTA
A - P10E32 - BRE	388738,605	9686193,467	4,183
A - P10E33 - BRE	388746,664	9686197,919	4,493
A - P10E34 - BRE	388754,286	9686202,129	4,077
A - P10E35 - BRE	388765,654	9686208,408	4,554
A - P10E36 - BRE	388775,158	9686213,658	4,815
A - P10E37 - BRE	388785,685	9686219,472	4,156
A - P10E38 - BRE	388796,535	9686225,466	4,092
A - P10E39 - BRE	388807,331	9686231,429	4,122
A - P10E40 - BRE	388813,801	9686235,003	4,639
A - P10E42 - BRE	388822,625	9686239,877	3,968
A - P10E41 - BRE	388822,636	9686239,883	3,969
A - P10E43 - BRE	388832,380	9686245,265	4,241
A - P10E44	388832,855	9686245,528	4,300
A - PI13	388854,379	9686257,417	4,521
A - P10E45 - BRE	388874,346	9686268,446	4,236
A - P10E46 - BRE	388894,717	9686279,698	3,998
A - P10E47 - BRE	388911,421	9686288,925	4,000
A - P10E48 - BRE	388929,281	9686298,791	4,015
A - P10E49 - BRE	388946,709	9686308,417	3,840
A - P10E50 - BRE	388961,692	9686316,693	3,780
A - P10E51 - BRE	388980,395	9686327,024	3,760
A - P10E52 - BRE	388994,640	9686334,893	3,753
A - P10E53 - BRE	389003,934	9686340,026	3,637
A - P10E54 - BRE	389016,890	9686347,183	3,764
A - P10E55 - BRE	389039,083	9686359,442	3,948
A - P10E56 - BRE	389054,816	9686368,132	3,860
A - P10E57 - BRE	389072,222	9686377,746	3,990
A - P10E58 - BRE	389094,453	9686390,026	3,986
A - P10E60 - BRE	389120,566	9686404,450	4,330
A - P10E59 - BRE	389120,598	9686404,468	4,304
A - P10E61 - BRE	389143,384	9686417,054	4,340
A - P10E62 - BRE	389158,548	9686425,430	4,140
A - P10E63 - BRE	389177,621	9686435,965	4,330
A - P10E64 - BRE	389194,809	9686445,459	4,410
A - P10E65 - BRE	389213,225	9686455,632	4,460
A - P10E66 - BRE	389230,714	9686465,293	4,600
A - P10E67 - BRE	389251,058	9686476,530	4,830
A - P10E68 - BRE	389268,958	9686486,417	4,960
A - S10ED	389290,934	9686498,556	5,332
A - P10E69 - BRE	389295,577	9686501,121	4,920
A - P10E70 - NA0	389296,058	9686501,386	4,550
A - P10E71 - SUB	389298,990	9686503,006	2,260
A -	389309,778	9686508,965	3,450
A -	389320,567	9686514,924	3,720
A -	389331,356	9686520,884	3,950
A -	389342,144	9686526,843	3,970
A -	389352,933	9686532,802	4,100
A -	389363,722	9686538,761	4,350
A -	389374,510	9686544,721	4,000
A -	389385,299	9686550,680	3,960
A -	389396,088	9686556,639	4,050
A -	389406,876	9686562,599	3,450
A -	389417,665	9686568,558	3,150
A -	389428,453	9686574,517	2,990
A -	389439,242	9686580,477	2,990
A -	389450,031	9686586,436	2,950
A -	389460,819	9686592,395	2,570
A -	389471,608	9686598,355	2,750
A -	389482,397	9686604,314	2,850
A -	389493,185	9686610,273	2,860
A -	389503,974	9686616,232	3,100
A -	389514,763	9686622,192	3,820
A -	389525,551	9686628,151	3,950
A -	389536,340	9686634,110	4,040
A -	389547,129	9686640,070	4,030
A -	389557,917	9686646,029	4,060
A - P10E79 - BRE	389579,495	9686657,948	3,340
A - P10E78 - BRE	389593,218	9686665,528	4,490
A - P10E77 - BRE	389607,085	9686673,188	4,470
A - P10E76 - BRE	389624,946	9686683,053	4,260
A - S10EH	389642,285	9686692,631	4,433
A - P10E75	389647,463	9686695,491	4,930
A - P10E74	389652,964	9686698,530	5,380
A - P10E72 - NA	389653,514	9686698,834	4,450
A - P10E73 - SUB	389653,756	9686698,967	3,840
A - 13042	389659,973	9686702,401	2,590
A - 13043	389663,401	9686704,295	1,940
A - 13044	389666,575	9686706,048	0,970
A - 13045	389671,602	9686708,825	0,930
A - 13046	389674,161	9686710,238	0,900
A - 13047	389677,261	9686711,951	0,740
A - 13048	389682,015	9686714,577	0,510

A - 13049	389688,195	9686717,990	0,360
A - 13050	389695,323	9686721,927	0,390
A - 13051	389702,155	9686725,701	0,380
A - 13052	389708,555	9686729,237	0,360
A - 13053	389714,073	9686732,284	0,130
A - 13054	389719,426	9686735,241	0,020
A - 13055	389726,065	9686738,909	0,170
A - 13056	389734,044	9686743,316	0,260
A - 13057	389742,721	9686748,109	0,260
A - 13058	389751,445	9686752,927	0,300
A - 13059	389760,119	9686757,719	0,340
A - 13060	389769,012	9686762,631	0,470
A - 13061	389778,386	9686767,809	0,480
A - 13062	389788,144	9686773,199	0,510
A - 13063	389798,166	9686778,735	0,400
A - 13064	389808,369	9686784,371	0,840
A - 13065	389818,527	9686789,981	1,620
A - 13066	389828,678	9686795,588	1,900
A - 13067	389838,949	9686801,262	2,260
A - 13068	389849,364	9686807,015	2,350
A - 13069	389859,872	9686812,819	2,380
A - 13070	389870,512	9686818,696	2,350
A - 13071	389881,415	9686824,719	2,460
A - 13072	389892,639	9686830,919	2,420
A - 13073	389904,024	9686837,207	2,400
A - 13074	389915,539	9686843,568	2,320
A - 13075	389927,144	9686849,978	2,080
A - 13076	389938,710	9686856,367	2,010
A - 13077	389950,326	9686862,783	1,940
A - 13078	389961,984	9686869,222	1,950
A - 13079	389973,705	9686875,697	2,130
A - 13080	389985,442	9686882,180	2,020
A - 13081	389997,202	9686888,676	2,020
A - 13082	390008,971	9686895,177	1,990
A - 13083	390020,757	9686901,687	1,970
A - 13084	390032,560	9686908,206	1,930
A - 13085	390044,344	9686914,715	1,940
A - 13086	390056,164	9686921,245	1,710
A - 13087	390067,952	9686927,756	1,570
A - 13088	390079,747	9686934,271	1,330
A - 13089	390091,604	9686940,821	1,030
A - 13090	390103,496	9686947,389	0,920
A - 13091	390115,393	9686953,961	0,710
A - 13092	390127,302	9686960,539	0,610
A - 13093	390139,213	9686967,118	0,430
A - 13094	390151,103	9686973,686	0,120
A - 13095	390162,983	9686980,248	0,010
A - 13096	390174,815	9686986,783	-0,020
A - 13097	390186,653	9686993,322	0,000
A - 13098	390198,480	9686999,855	0,120
A - 13099	390210,318	9687006,394	-0,160
A - 13100	390222,099	9687012,902	-0,830
A - 13101	390233,827	9687019,380	-1,180
A - 13102	390245,534	9687025,847	-1,160
A - 13103	390257,175	9687032,277	-0,980
A - 13104	390268,367	9687038,459	-0,780
A - 13105	390279,129	9687044,403	-0,590
A - 13106	390289,432	9687050,095	-0,700
A - 13107	390298,382	9687055,038	-0,620
A - 13108	390306,760	9687059,666	-0,440
A - 13109	390315,141	9687064,295	-0,450
A - 13110	390323,278	9687068,790	-0,560
A - 13111	390330,939	9687073,022	-0,480
A - 13112	390337,911	9687076,873	-0,320
A - 13113	390344,288	9687080,395	-0,170
A - 13114	390350,783	9687083,982	-0,260
A - 13115	390357,731	9687087,821	-0,580
A - 13116	390364,564	9687091,595	-0,840
A - 13117	390370,565	9687094,910	-0,580
A - 13118	390375,177	9687097,457	-0,340
A - 13119	390378,402	9687099,238	-0,220
A - P10E81 - SUB	390385,015	9687102,892	3,310
A - P10E80 - NA1(	390390,510	9687105,927	4,240
A - S10EI	390393,964	9687107,835	4,592
A - P10E82 - SUB	390412,488	9687118,067	4,890
A - P10E83 - SUB	390436,056	9687131,085	4,760
A - P10E84 - SUB	390459,631	9687144,107	4,700
A - P10E85 - SUB	390486,192	9687158,778	4,840
A - P10E86 - SUB	390509,050	9687171,404	4,310
A - P10E87 - BRE	390534,522	9687185,474	4,120
A - P10E88 - BRE	390548,162	9687193,009	3,980
A - P10E89 - BRE	390561,826	9687200,556	3,940
A - P10E90 - BRE	390580,636	9687210,946	3,940

A - P10E91 - BRE	390602,792	9687223,185	3,840
A - P10E92 - BRE	390623,919	9687234,855	3,790
A - P10E93 - BRE	390643,331	9687245,577	3,680
A - P10E94 - BRE	390666,800	9687258,540	3,640
A - P10E95 - BRE	390692,267	9687272,608	3,460
A - P10E96 - BRE	390713,324	9687284,239	3,590
A - P10E97 - BRE	390735,396	9687296,431	3,540
A - P10E98 - BRE	390757,446	9687308,610	3,230
A -	390773,932	9687317,717	4,400
A -	390790,418	9687326,823	4,250
A -	390806,905	9687335,930	3,900
A -	390823,391	9687345,036	3,880
A -	390839,877	9687354,143	3,850
A -	390856,363	9687363,249	3,870
A -	390872,850	9687372,356	3,930
A -	390889,336	9687381,462	3,750
A -	390905,822	9687390,569	4,450
A -	390922,308	9687399,675	4,390
A -	390938,795	9687408,782	4,290
A -	390955,281	9687417,888	4,250
A -	390971,767	9687426,995	4,260
A -	390988,254	9687436,101	4,090
A -	391004,740	9687445,208	4,140
A -	391021,226	9687454,314	3,890
A -	391037,712	9687463,421	3,550
A -	391054,199	9687472,527	3,200
A -	391070,685	9687481,634	2,650
A -	391087,171	9687490,740	1,250
A -	391103,657	9687499,847	1,300
A -	391120,144	9687508,953	2,230
A -	391136,630	9687518,060	2,420
A -	391153,116	9687527,166	3,200
A -	391169,602	9687536,273	3,970
A -	391186,089	9687545,379	4,040
A -	391202,575	9687554,485	4,260
A -	391219,061	9687563,592	3,970
A -	391235,547	9687572,698	3,950
A -	391252,034	9687581,805	3,910
A -	391268,520	9687590,911	3,860
A -	391285,006	9687600,018	3,850
A -	391301,493	9687609,124	3,800
A -	391317,979	9687618,231	3,740
A -	391334,465	9687627,337	3,590
A - P10.64	391350,951	9687636,444	4,160
A - P10.63	391364,092	9687643,702	4,760
A - P10.62 - BRE	391365,773	9687644,631	4,080
A - P10.61 - BRE	391369,903	9687646,912	3,850
A - P10.60 - BRE	391380,925	9687653,000	3,440
A - P10.59 - BRE	391388,077	9687656,951	3,240
A - P10.58 - BRE	391395,097	9687660,828	3,750
A - P10.57 - BRE	391398,756	9687662,850	4,060
A - P10.56	391403,454	9687665,445	4,250
A - P10.55	391419,909	9687674,534	4,420
A - P10.54	391435,386	9687683,083	4,160
A - P10.53	391452,250	9687692,398	4,480
A - P10.52	391467,520	9687700,833	4,240
A - P10D55 - BRE	391486,101	9687711,096	3,990
A - P10D54 - BRE	391505,753	9687721,951	3,680
A - P10D53 - BRE	391516,487	9687727,881	3,660
A - P10D52 - BRE	391530,155	9687735,431	3,770
A - P10D51 - BRE	391535,683	9687738,484	3,620
A - P10D50 - BRE	391543,553	9687742,831	3,280
A - P10D49 - BRE	391555,776	9687749,582	3,450
A - P10D48 - BRE	391565,175	9687754,774	3,550
A - P10D47 - BRE	391575,434	9687760,441	3,620
A - P10D46 - BRE	391584,629	9687765,520	3,760
A - P10D45 - BRE	391593,182	9687770,245	3,840
A - P10D44 - BRE	391599,861	9687773,934	3,420
A - P10D43 - BRE	391608,239	9687778,561	3,940
A - P10D42 - BRE	391616,700	9687783,235	4,080
A - P10D41 - BRE	391638,064	9687795,036	4,100
A - P10D40 - BRE	391671,685	9687813,607	3,930
A - P10D39 - BRE	391691,332	9687824,459	4,100
A - P10D38	391705,467	9687832,267	4,050
A - P10D37	391721,043	9687840,871	4,290
A - P10D36	391736,440	9687849,376	4,370
A - P10D35	391752,015	9687857,979	4,480
A - P10D34	391770,352	9687868,108	4,540
A - P10D33	391787,475	9687877,566	4,850
A - S10DF	391804,132	9687886,767	5,086
A - P10D33	391808,607	9687889,238	4,730
A - P10D34 - NA04	391809,246	9687889,591	4,210
A - 13122	391813,101	9687891,721	-0,400

A - 13123	391815,501	9687893,046	-0,480
A - 13124	391818,497	9687894,701	-0,480
A - 13125	391822,073	9687896,677	-0,580
A - 13126	391825,922	9687898,803	-0,740
A - 13127	391830,199	9687901,165	-0,900
A - 13128	391834,612	9687903,603	-1,000
A - 13129	391839,070	9687906,065	-1,680
A - 13130	391843,669	9687908,605	-1,980
A - 13131	391848,323	9687911,176	-2,110
A - 13132	391853,112	9687913,822	-2,160
A - 13133	391857,921	9687916,478	-2,190
A - 13134	391862,764	9687919,153	-2,270
A - 13135	391867,666	9687921,860	-2,250
A - 13136	391872,588	9687924,580	-2,240
A - 13137	391877,562	9687927,327	-2,250
A - 13138	391882,534	9687930,073	-2,240
A - 13139	391887,507	9687932,820	-2,290
A - 13140	391893,172	9687935,949	-2,340
A - 13141	391899,132	9687939,241	-2,320
A - 13142	391905,980	9687943,024	-2,240
A - 13143	391913,017	9687946,911	-1,930
A - 13144	391919,915	9687950,721	-1,480
A - 13145	391927,123	9687954,703	-1,240
A - 13146	391934,357	9687958,699	-0,990
A - 13147	391941,498	9687962,643	-0,950
A - 13148	391948,896	9687966,730	-0,720
A - 13149	391956,543	9687970,953	-0,620
A - 13150	391964,481	9687975,338	-0,510
A - 13151	391972,356	9687979,688	-0,390
A - 13152	391980,299	9687984,075	-0,360
A - 13153	391988,220	9687988,451	-0,060
A - 13154	391995,746	9687992,608	0,160
A - 13155	392002,593	9687996,390	0,280
A - 13156	392008,972	9687999,914	0,270
A - 13157	392014,922	9688003,200	0,310
A - 13158	392020,548	9688006,308	0,180
A - 13159	392025,978	9688009,307	0,390
A - 13160	392031,372	9688012,287	0,560
A - 13161	392036,652	9688015,203	0,560
A - 13162	392041,655	9688017,967	0,800
A - 13163	392047,086	9688020,967	1,010
A - 13164	392052,962	9688024,212	1,200
A - 13165	392059,020	9688027,558	1,460
A - 13166	392064,820	9688030,762	1,620
A - 13167	392069,716	9688033,467	1,640
A - 13168	392073,963	9688035,813	1,630
A - 13169	392077,717	9688037,886	1,630
A - 13170	392083,310	9688040,976	1,960
A - 13171	392088,172	9688043,661	1,610
A - 13172	392092,651	9688046,135	0,720
A - 13173	392096,864	9688048,462	0,450
A -	392106,646	9688053,865	1,650
A -	392116,427	9688059,268	4,700
A -	392126,209	9688064,671	4,800
A -	392135,990	9688070,074	3,900
A -	392145,772	9688075,477	1,800
A -	392155,554	9688080,880	3,250
A -	392165,335	9688086,284	3,850
A -	392175,117	9688091,687	4,050
A -	392184,898	9688097,090	3,950
A -	392194,680	9688102,493	3,700
A -	392204,461	9688107,896	4,100
A -	392214,243	9688113,299	2,050
A -	392224,025	9688118,702	2,650
A -	392233,806	9688124,105	2,800
A -	392243,588	9688129,508	3,150
A -	392253,369	9688134,911	2,720
A - P10D14 - NA0	392263,151	9688140,314	4,200
A - P10D13	392263,965	9688140,763	4,760
A - S10DG	392267,663	9688142,806	4,883
A - P10D15	392283,550	9688151,582	4,460
A - P10D16 - BRE	392291,896	9688156,192	4,150
A - P10D17 - BRE	392303,923	9688162,835	3,690
A - P10D18 - BRE	392312,661	9688167,661	4,190
A - P10D19	392325,303	9688174,645	4,610
A - P10D20	392354,983	9688191,039	4,940
A - P10D21	392368,379	9688198,439	4,460
A - P10D22	392386,460	9688208,426	4,400
A - P10D24 - BRE	392400,847	9688216,373	4,220
A - P10D25 - BRE	392403,381	9688217,772	3,580
A - P10D26 - BRE	392406,042	9688219,242	4,200
A - P10D27	392417,168	9688225,388	4,740
A - P10D28	392428,763	9688231,793	4,940

A - P10D29	392430,372	9688232,682	4,230
A - P10D30	392438,748	9688237,308	4,190
A - P10D31	392442,327	9688239,285	4,380
A - P10D32 - NA0	392443,970	9688240,193	4,160
A -	392549,011	9688298,214	3,750
A -	392566,517	9688307,884	2,150
A -	392584,024	9688317,554	4,150
A - PI10D12	392600,595	9688326,707	3,410
A - PI10D11	392608,068	9688330,835	3,300
A - PI10D10	392616,645	9688335,573	3,330
A - PI10D9	392626,563	9688341,051	3,340
A - PI10D8	392634,963	9688345,691	3,580
A - PI10D7	392644,225	9688350,807	3,690
A - PI10D6 - NA03	392653,464	9688355,911	3,920
A - PI10D5	392656,283	9688357,468	4,310
A - S10DI	392666,246	9688362,971	4,240
A - PI10D1	392683,018	9688372,235	4,500
A - PI10D2	392693,855	9688378,221	5,110
A - PI10D3 - NA03	392695,108	9688378,913	3,940
A - PI10D4 - SUB	392696,416	9688379,636	2,880
A - 13176	392706,289	9688385,089	1,550
A - 13177	392712,766	9688388,667	1,560
A - 13178	392715,458	9688390,154	1,630
A - 13179	392718,154	9688391,643	1,700
A - 13180	392721,128	9688393,286	1,710
A - 13181	392724,394	9688395,090	1,720
A - 13182	392727,856	9688397,002	1,750
A - 13183	392731,422	9688398,972	1,790
A - 13184	392734,638	9688400,748	1,850
A - 13185	392739,837	9688403,620	1,640
A - 13186	392746,258	9688407,167	1,710
A - 13187	392750,405	9688409,457	2,030
A - 13188	392754,382	9688411,654	2,020
A - 13189	392759,055	9688414,235	1,790
A - 13190	392764,534	9688417,262	1,780
A - 13191	392771,143	9688420,912	1,790
A - 13192	392774,682	9688422,867	1,820
A - 13193	392778,498	9688424,975	1,760
A - 13194	392782,807	9688427,355	1,650
A - 13195	392787,482	9688429,938	1,670
A - 13196	392792,402	9688432,655	1,590
A - 13197	392797,494	9688435,468	1,450
A - 13198	392802,737	9688438,364	1,300
A - 13199	392808,130	9688441,343	1,260
A - 13200	392813,991	9688444,580	1,230
A - 13201	392820,266	9688448,046	1,210
A - 13202	392826,784	9688451,647	1,090
A - 13203	392833,476	9688455,343	0,740
A - 13204	392840,290	9688459,107	0,500
A - 13205	392847,270	9688462,963	0,440
A - 13206	392854,301	9688466,846	0,400
A - 13207	392861,341	9688470,735	0,250
A - 13208	392868,515	9688474,698	-0,100
A - 13209	392875,781	9688478,711	0,080
A - 13210	392882,954	9688482,673	0,360
A - 13211	392890,274	9688486,717	0,390
A - 13212	392897,621	9688490,775	0,320
A - 13213	392904,930	9688494,812	0,340
A - 13214	392912,248	9688498,854	0,280
A - 13215	392919,592	9688502,911	0,170
A - 13216	392926,941	9688506,970	0,090
A - 13217	392934,298	9688511,034	0,000
A - 13218	392941,655	9688515,098	-0,080
A - 13219	392949,008	9688519,159	-0,130
A - 13220	392956,392	9688523,238	-0,190
A - 13221	392963,790	9688527,324	-0,660
A - 13222	392971,180	9688531,406	-0,840
A - 13223	392978,588	9688535,498	-0,800
A - 13224	392986,099	9688539,647	-0,770
A - 13225	392993,618	9688543,800	-0,750
A - 13226	393001,169	9688547,971	-0,770
A - 13227	393008,702	9688552,133	-0,710
A - 13228	393016,241	9688556,297	-0,700
A - 13229	393023,906	9688560,531	-0,600
A - 13230	393031,598	9688564,780	-0,650
A - 13231	393039,337	9688569,054	-0,710
A - 13232	393047,148	9688573,369	-0,510
A - 13233	393054,979	9688577,695	-0,400
A - 13234	393062,766	9688581,996	-0,330
A - 13235	393070,526	9688586,282	-0,200
A - 13236	393078,337	9688590,597	-0,100
A - 13237	393086,124	9688594,898	0,010
A - 13238	393093,748	9688599,109	0,130
A - 13239	393101,268	9688603,263	0,570
A - 13240	393108,765	9688607,404	1,200
A - 13241	393116,033	9688611,419	1,380
A - 13242	393122,933	9688615,230	1,500
A - 13243	393129,200	9688618,692	1,450
A - 13244	393134,486	9688621,612	1,330
A - 13245	393139,187	9688624,208	1,280
A - 13246	393143,609	9688626,651	1,160
A - 13247	393147,915	9688629,029	1,120
A - 13248	393152,183	9688631,387	1,070
A - 13249	393156,654	9688633,856	0,980
A - 13250	393161,336	9688636,443	0,940
A - 13251	393165,960	9688638,997	0,880
A - 13252	393170,173	9688641,324	1,030
A -	393188,200	9688651,282	2,100
A -	393206,227	9688661,239	3,350
A -	393224,255	9688671,197	3,450
A -	393242,282	9688681,155	3,600
A -	393260,309	9688691,112	3,750
A -	393278,336	9688701,070	3,150
A - 13254	393296,363	9688711,027	2,560
A - 13255	393301,276	9688713,741	2,640
A - 13256	393304,980	9688715,787	2,560
A - 13257	393308,733	9688717,860	2,510
A - 13258	393312,063	9688719,700	2,340
A - 13259	393315,449	9688721,570	2,430
A - 13260	393319,149	9688723,613	2,570
A - 13261	393322,893	9688725,682	2,630
A - 13262	393326,780	9688727,829	2,570
A - 13263	393330,720	9688730,005	2,430
A - 13264	393334,407	9688732,041	2,190
A - 13265	393338,253	9688734,166	1,860
A - 13266	393342,212	9688736,353	1,960
A - 13267	393346,662	9688738,811	1,840
A - 13268	393351,523	9688741,496	1,600
A - 13269	393356,584	9688744,291	1,690
A - 13270	393361,958	9688747,260	1,750
A - 13271	393367,769	9688750,469	1,670
A - 13272	393373,740	9688753,768	1,980
A - 13273	393379,734	9688757,079	2,140
A - 13274	393385,727	9688760,389	2,070
A - 13275	393391,754	9688763,719	1,850
A - 13276	393397,742	9688767,026	1,830
A - 13277	393403,648	9688770,288	1,840
A - 13278	393409,474	9688773,506	1,720
A - 13279	393415,268	9688776,707	1,890
A - 13280	393421,045	9688779,898	1,960
A - 13281	393426,584	9688782,957	1,890
A - 13282	393432,116	9688786,013	1,860
A - 13283	393437,836	9688789,172	1,850
A - 13284	393443,608	9688792,361	1,720
A - 13285	393449,416	9688795,569	1,410
A - 13286	393455,362	9688798,853	1,730
A - 13287	393461,083	9688802,013	1,830
A - P10D4 - SUB	393481,649	9688813,373	3,460
A - P10D3 - NA02/	393483,107	9688814,179	4,210
A - P10D2	393484,615	9688815,012	5,700
A - S10D	393486,203	9688815,889	5,858
A - P10D1	393508,623	9688828,273	5,590
A - S10DA	393522,433	9688835,901	5,158

PONTO	E	N	COTA
A - P11E33	383960,161	9690068,562	13,960
A - P11E32	383965,483	9690071,461	10,590
A - P11E31	383972,707	9690075,395	6,950
A - P11E28	383975,052	9690076,672	6,480
A - P11E27	383982,041	9690080,479	5,830
A - P11E26	383993,701	9690086,829	5,750
A - P11E25	384005,406	9690093,204	5,940
A - P11E24	384012,768	9690097,214	6,040
A - P11E38	384016,872	9690099,449	6,760
A - P11E23	384017,714	9690099,907	6,700
A - P11E20	384021,179	9690101,795	7,430
A - P11E5	384033,228	9690108,357	7,000
A - P11E4	384041,531	9690112,879	5,850
A - P11E3	384052,947	9690119,097	5,340
A - P11E12	384065,723	9690126,055	5,320
A - P11E11	384083,649	9690135,818	5,500
A - P11E10	384106,428	9690148,224	4,560
A - P11E2	384123,938	9690157,761	4,710
A - P11E8	384131,357	9690161,802	4,870
A - P11E7	384144,503	9690168,961	5,150
A - P11E1	384153,275	9690173,738	5,490
A - P11E6	384156,572	9690175,534	5,370
A - P11E3 - NA	384158,358	9690176,507	4,640
A - P11E4	384159,604	9690177,185	3,600
A - P11E5	384166,505	9690180,944	3,660
A - 12914	384180,495	9690188,564	-1,320
A - 12913	384184,423	9690190,703	-1,380
A - 12912	384188,428	9690192,884	-1,450
A - 12911	384193,281	9690195,527	-1,680
A - 12910	384198,287	9690198,253	-1,860
A - 12909	384203,753	9690201,231	-1,920
A - 12908	384209,997	9690204,631	-1,990
A - 12907	384216,754	9690208,311	-2,200
A - 12906	384225,288	9690212,959	-2,380
A - 12905	384234,393	9690217,918	-2,750
A - 12904	384245,198	9690223,803	-3,150
A - 12903	384256,157	9690229,771	-3,690
A - 12902	384267,833	9690236,131	-3,910
A - 12901	384279,379	9690242,419	-4,010
A - 12900	384291,175	9690248,843	-3,770
A - 12899	384302,233	9690254,866	-3,700
A - 12898	384313,714	9690261,119	-4,050
A - 12897	384325,563	9690267,572	-4,720
A - 12896	384337,030	9690273,818	-4,930
A - 12895	384348,542	9690280,087	-4,560
A - 12894	384360,064	9690286,363	-3,960
A - 12893	384371,578	9690292,634	-3,650
A - 12892	384383,060	9690298,887	-3,650
A - 12891	384394,520	9690305,129	-3,380
A - 12890	384405,971	9690311,365	-3,160
A - 12889	384417,394	9690317,586	-3,280
A - 12888	384428,811	9690323,805	-3,090
A - 12887	384440,210	9690330,013	-2,960
A - 12886	384451,519	9690336,172	-2,940
A - 12885	384462,766	9690342,298	-2,710
A - 12884	384473,929	9690348,378	-2,500
A - 12883	384484,913	9690354,360	-2,550
A - 12882	384495,746	9690360,260	-2,710
A - 12881	384506,432	9690366,080	-2,500
A - 12880	384516,917	9690371,790	-2,470
A - 12879	384527,302	9690377,446	-2,250
A - 12878	384537,528	9690383,016	-1,870
A - 12877	384547,540	9690388,469	-1,350
A - 12876	384557,314	9690393,792	-1,330
A - 12875	384566,745	9690398,928	-1,200
A - 12874	384575,828	9690403,875	-0,850
A - 12873	384584,751	9690408,735	-0,800
A - 12872	384593,466	9690413,481	-0,760
A - 12871	384601,862	9690418,054	-0,830
A - 12870	384610,068	9690422,523	-0,720
A - 12869	384618,034	9690426,862	-0,590
A - 12868	384625,650	9690431,010	-0,590
A - 12867	384632,796	9690434,902	-0,420
A - 12866	384640,072	9690438,864	-0,470
A - 12865	384648,206	9690443,295	-0,560
A - 12864	384656,405	9690447,760	-0,590
A - 12863	384664,298	9690452,059	-0,570
A - 12862	384671,648	9690456,062	-0,390
A - 12861	384677,973	9690459,506	-0,330
A - 12860	384682,584	9690462,018	-0,200
A - 12859	384687,059	9690464,455	0,140
A - P11E4 - SU	384841,600	9690548,623	3,090

PONTO	E	N	COTA
A - P11E3 - SUB	384843,086	9690549,432	3,930
A - P11E2 - NA	384844,797	9690550,364	4,460
A - P11E5	384846,511	9690551,298	4,900
A - P11E6	384849,906	9690553,147	5,250
A - P11E7	384853,778	9690555,256	5,110
A - P11E10	384865,537	9690561,660	5,790
A - P11E11	384874,696	9690566,648	5,700
A - P11E12	384883,454	9690571,418	5,380
A - P11E13	384892,163	9690576,161	5,410
A - P11E14	384901,069	9690581,012	5,140
A - P11E15	384909,625	9690585,672	5,050
A - P11E16	384917,895	9690590,176	4,870
A - P11E17	384926,459	9690594,841	4,970
A - P11I18	384934,707	9690599,332	4,860
A - P11I19	384943,221	9690603,969	4,630
A - S11EC	384949,727	9690607,513	5,330
A - P11I20	384955,980	9690610,919	5,330
A - P11I21	384964,641	9690615,636	5,010
A - P11I22	384973,023	9690620,201	4,920
A - P11I23	384984,905	9690626,672	4,760
A - P11I24	384992,230	9690630,661	4,740
A - P11I25	385015,660	9690643,422	4,580
A - P11I27	385021,684	9690646,703	4,500
A - P11I28	385036,673	9690654,867	4,280
A - P11I29	385051,714	9690663,059	4,360
A - P11I31 - NA	385061,371	9690668,318	4,310
A - P11I30	385061,667	9690668,479	4,170
A - P11I32	385074,272	9690675,344	4,370
A - P11I33	385086,172	9690681,825	4,040
A - P11I34	385096,209	9690687,292	3,890
A - P11I35	385108,274	9690693,863	3,870
A - P11I36	385118,158	9690699,246	3,720
A - P11I37	385128,885	9690705,088	4,190
A - P11I38	385143,809	9690713,216	3,870
A - P11I39	385163,099	9690723,723	4,020
A - P11I40	385189,411	9690738,053	4,350
A - P11I41	385217,828	9690753,529	4,420
A - P11I42	385228,216	9690759,187	4,460
A - P11I43	385244,916	9690768,282	4,650
A - P11I44	385257,561	9690775,170	4,460
A - P11I45	385279,171	9690786,939	4,500
A - P11I47	385288,921	9690792,249	3,730
A - P11I48	385296,602	9690796,433	3,670
A - P11I49	385305,979	9690801,540	3,760
A - P11I50	385316,217	9690807,115	3,430
A - P11I51	385321,799	9690810,156	3,140
A - P11I52	385330,481	9690814,884	3,450
A - P11I53	385336,402	9690818,109	3,760
A - P11I54	385346,303	9690823,501	3,860
A - P11I55	385351,687	9690826,434	3,890
A - P11I56	385365,017	9690833,693	3,800
A - P11I57	385369,511	9690836,141	3,740
A - P11I58	385375,382	9690839,339	3,460
A - P11I59	385383,499	9690843,759	3,130
A - P11I60	385388,167	9690846,302	3,110
A - P11I61	385395,581	9690850,340	3,010
A - P11I62	385403,214	9690854,497	2,790
A - P11I63	385411,399	9690858,955	2,750
A - P11I64	385421,554	9690864,486	2,780
A - P11I65	385431,261	9690869,773	2,870
A - P11I67	385436,335	9690872,536	4,000
A - P11I70 - NA	385437,417	9690873,125	3,950
A - P11I71	385440,580	9690874,848	4,250
A - P11I72	385448,110	9690878,949	4,550
A - P11I73	385462,628	9690886,856	4,710
A - P11I74	385473,343	9690892,692	4,780
A - P11I77 - NA	385477,140	9690894,760	3,590
A - P11I78 - SUB	385478,925	9690895,732	1,770
A - P11I79 - SUB	385480,534	9690896,608	0,710
A - 12858	385538,494	9690928,175	-1,420
A - 12856	385546,039	9690932,284	-1,080
A - 12855	385549,105	9690933,954	-1,000
A - 12854	385552,239	9690935,661	-1,060
A - 12853	385555,990	9690937,704	-1,200
A - 12852	385560,242	9690940,020	-1,370
A - 12844	385627,401	9690976,597	-1,170
A - 12843	385637,294	9690981,985	-1,100
A - 12842	385647,193	9690987,376	-0,920
A - 12841	385657,032	9690992,735	-1,010
A - 12840	385666,790	9690998,049	-0,780
A - 12839	385676,509	9691003,342	-0,650
A - 12838	385686,236	9691008,640	-0,560

PONTO	E	N	COTA
A - 12837	385695,967	9691013,940	-0,460
A - 12836	385705,728	9691019,256	-0,400
A - 12835	385715,516	9691024,587	-0,390
A - 12834	385725,288	9691029,909	-0,440
A - 12833	385734,966	9691035,180	-0,300
A - 12832	385744,516	9691040,381	-0,420
A - 12831	385754,084	9691045,592	-0,510
A - 12830	385763,676	9691050,816	-0,450
A - 12829	385773,311	9691056,064	-0,490
A - 12828	385783,080	9691061,385	-0,530
A - 12827	385793,012	9691066,794	-0,370
A - 12826	385802,951	9691072,207	-0,330
A - 12825	385812,893	9691077,622	-0,270
A - 12824	385822,827	9691083,032	-0,190
A - 12823	385832,639	9691088,376	-0,300
A - 12822	385842,189	9691093,577	-0,330
A - 12821	385851,645	9691098,727	-0,250
A - 12820	385861,126	9691103,891	-0,530
A - 12819	385870,616	9691109,060	-0,580
A - 12818	385880,075	9691114,212	-0,630
A - 12817	385889,475	9691119,331	-1,000
A - 12816	385898,796	9691124,407	-1,210
A - 12815	385908,014	9691129,428	-1,130
A - 12814	385917,130	9691134,393	-1,320
A - 12813	385926,165	9691139,313	-1,370
A - 12812	385935,159	9691144,212	-1,280
A - 12811	385944,047	9691149,052	-1,190
A - 12810	385952,580	9691153,700	-1,230
A - 12809	385960,523	9691158,026	-1,450
A - 12808	385968,240	9691162,229	-1,680
A - 12807	385975,293	9691166,070	-1,870
A - 12806	385981,850	9691169,642	-1,860
A - 12805	385987,734	9691172,846	-1,980
A - 12804	385993,645	9691176,066	-1,980
A - 12803	385999,469	9691179,237	-1,820
A - 12802	386004,920	9691182,206	-1,410
A - 12801	386009,527	9691184,715	-1,160
A - P11I5	386018,527	9691189,617	0,410
A - P11I4	386019,377	9691190,080	0,950
A - P11I3 - NA	386021,250	9691191,100	2,290
A - P11I6	386021,774	9691191,386	3,870
A - P11I7	386023,943	9691192,567	3,970
A - S11ED	386025,584	9691193,460	3,990
A - P11I8	386047,591	9691205,446	3,250
A - P11I9	386061,120	9691212,815	2,820
A - P11I10	386073,496	9691219,555	2,580
A - P11I11	386079,880	9691223,032	2,960
A - P11I12	386090,191	9691228,647	2,670
A - P11I13	386101,775	9691234,957	2,320
A - P11I20	386109,552	9691239,192	2,480
A - P11I14	386114,863	9691242,085	2,270
A - P11I21	386119,235	9691244,466	1,800
A - P11I22	386129,556	9691250,087	1,640
A - P11I15	386132,991	9691251,958	2,060
A - P11I16	386133,023	9691251,975	2,070
A - P11I23	386137,632	9691254,486	1,540
A - P11I17	386141,272	9691256,468	2,030
A - P11I18	386147,245	9691259,721	2,530
A - P11I24	386151,896	9691262,254	1,510
A - P11I25	386160,694	9691267,046	1,420
A - P11I26	386168,255	9691271,164	1,430
A - P11I27	386177,879	9691276,405	1,460
A - P11I28	386183,290	9691279,352	1,490
A - P11I29	386189,242	9691282,594	1,490
A - P11I30	386193,824	9691285,089	1,460
A - P11I31 - S	386202,784	9691289,969	1,480
A - P11I32	386213,259	9691295,675	1,230
A - P11I33	386224,046	9691301,549	1,340
A - P11I85	386350,167	9691370,239	2,200
A - P11I84	386365,257	9691378,458	2,200
A - P11I83	386376,809	9691384,749	2,440
A - P11I82	386384,986	9691389,203	2,260
A - P11I81	386413,334	9691404,642	2,680
A - P11I80	386436,815	9691417,430	2,610
A - P11I78	386457,027	9691428,438	3,910
A - P11I77	386462,887	9691431,630	3,240
A - P11I76 - S	386473,224	9691437,260	3,270
A - P11I66	386484,529	9691443,417	2,360
A - P11I75	386485,998	9691444,217	3,220
A - P11I74 - N	386497,458	9691450,459	3,210
A - P11I65	386505,635	9691454,912	2,710
A - P11I73	386509,343	9691456,932	3,020

A - P11I64	386518,147	9691461,726	2,510
A - P11I72	386520,829	9691463,188	2,850
A - P11I71 - SU	386528,933	9691467,601	2,930
A - P11I63	386530,802	9691468,619	2,470
A - P11I70 - SU	386537,853	9691472,459	2,790
A - P11I69 - SU	386545,639	9691476,699	2,920
A - P11I62	386545,915	9691476,850	2,750
A - P11I68 - SU	386548,226	9691478,109	2,770
A - P11I61	386555,512	9691482,077	2,480
A - P11I60	386568,079	9691488,921	2,940
A - P11I59	386575,715	9691493,080	2,960
A - P11I58	386585,047	9691498,163	2,960
A - P11I57	386593,290	9691502,652	2,650
A - P11I56	386602,498	9691507,667	2,840
A - P11I55	386612,863	9691513,312	2,720
A - P11I54	386619,756	9691517,066	3,050
A - P11I51	386634,000	9691524,824	3,040
A - P11I50	386640,380	9691528,299	2,840
A - P11I49	386649,371	9691533,196	3,080
A - P11I48	386654,615	9691536,051	3,350
A - P11I47	386662,531	9691540,363	3,170
A - P11I46	386671,524	9691545,261	3,150
A - P11I45	386678,471	9691549,044	3,070
A - P11I44	386684,389	9691552,267	2,590
A - P11I43	386691,237	9691555,997	3,000
A - P11I42	386698,345	9691559,868	3,080
A - P11I39	386714,142	9691568,472	2,410
A - P11I38	386720,060	9691571,695	2,630
A - P11I37	386728,743	9691576,424	3,060
A - P11I36 - NA	386736,191	9691580,481	3,980
A - S11EE	386738,434	9691581,702	4,200
A - 12797	386871,640	9691654,251	-1,150
A - 12796	386876,317	9691656,798	-0,900
A - 12795	386880,965	9691659,329	-0,740
A - 12794	386885,798	9691661,962	-0,530
A - 12793	386891,567	9691665,103	-0,190
A - 12792	386897,109	9691668,122	0,080
A - 12791	386902,342	9691670,972	-0,040
A - 12790	386908,341	9691674,239	-0,220
A - 12789	386915,809	9691678,307	-0,690
A - 12788	386924,704	9691683,151	-0,660
A - 12787	386934,380	9691688,421	-0,570
A - 12786	386945,000	9691694,205	-0,530
A - 12785	386956,893	9691700,682	-0,500
A - 12784	386969,231	9691707,402	-0,490
A - 12783	386981,634	9691714,157	-0,480
A - 12782	386994,101	9691720,947	-0,400
A - 12781	387006,588	9691727,748	-0,510
A - 12780	387019,125	9691734,576	-0,520
A - 12779	387031,605	9691741,373	-0,530
A - 12778	387044,046	9691748,149	-0,520
A - 12777	387056,475	9691754,918	-0,390
A - 12776	387068,884	9691761,676	-0,420
A - 12775	387081,234	9691768,402	-0,540
A - 12774	387093,505	9691775,085	-0,630
A - 12773	387105,737	9691781,747	-0,690
A - 12772	387117,928	9691788,387	-0,800
A - 12771	387130,085	9691795,008	-0,920
A - 12770	387142,268	9691801,644	-1,000
A - 12769	387154,456	9691808,282	-0,990
A - 12768	387166,611	9691814,902	-1,030
A - 12767	387178,736	9691821,505	-1,190
A - 12766	387190,880	9691828,119	-1,670
A - 12765	387203,025	9691834,734	-2,390
A - 12764	387215,112	9691841,317	-2,750
A - 12763	387227,221	9691847,912	-2,770
A - 12762	387239,390	9691854,540	-3,200
A - 12761	387251,553	9691861,164	-3,300
A - 12760	387263,674	9691867,765	-3,140
A - 12759	387275,817	9691874,379	-3,100
A - 12758	387287,965	9691880,995	-3,200
A - 12757	387300,037	9691887,570	-3,540
A - 12756	387312,082	9691894,130	-3,620
A - 12755	387324,104	9691900,678	-3,420
A - 12754	387336,072	9691907,196	-3,360
A - 12753	387347,891	9691913,633	-3,330
A - 12752	387359,561	9691919,989	-3,300
A - 12751	387371,255	9691926,358	-3,610
A - 12750	387383,056	9691932,785	-4,090
A - 12749	387394,942	9691939,259	-4,400
A - 12748	387406,921	9691945,782	-4,470
A - 12747	387418,893	9691952,303	-4,460
A - 12746	387430,847	9691958,813	-4,590
A - 12745	387442,752	9691965,297	-4,620
A - 12744	387454,609	9691971,755	-4,980
A - 12743	387466,368	9691978,159	-5,080
A - 12742	387478,140	9691984,571	-5,060
A - 12741	387489,886	9691990,968	-4,930
A - 12740	387501,644	9691997,372	-4,790
A - 12739	387513,354	9692003,749	-4,900
A - 12738	387525,006	9692010,096	-4,830
A - 12737	387536,647	9692016,435	-4,990
A - 12736	387548,358	9692022,814	-5,620
A - 12735	387560,064	9692029,189	-6,450
A - 12734	387571,752	9692035,555	-6,210
A - 12733	387583,341	9692041,866	-6,480
A - 12732	387594,724	9692048,066	-6,520
A - 12731	387605,943	9692054,177	-6,810
A - 12730	387617,160	9692060,286	-7,240
A - 12729	387628,351	9692066,381	-7,790
A - 12728	387639,599	9692072,507	-7,850
A - 12727	387650,751	9692078,580	-8,020
A - 12726	387661,849	9692084,625	-7,970
A - 12725	387672,906	9692090,647	-7,890
A - 12724	387684,020	9692096,700	-7,660
A - 12723	387695,184	9692102,780	-7,810
A - 12722	387706,365	9692108,870	-8,020
A - 12721	387717,594	9692114,985	-8,420
A - 12720	387728,834	9692121,107	-9,010
A - 12719	387740,021	9692127,200	-8,850
A - 12718	387751,280	9692133,332	-8,730
A - 12717	387762,610	9692139,503	-8,790
A - 12716	387773,982	9692145,696	-8,700
A - 12715	387785,364	9692151,895	-8,760
A - 12714	387796,757	9692158,100	-8,450
A - 12713	387808,174	9692164,318	-8,290
A - 12712	387819,527	9692170,502	-8,130
A - 12711	387830,826	9692176,655	-7,930
A - 12710	387842,090	9692182,790	-7,850
A - 12709	387853,371	9692188,934	-7,570
A - 12708	387864,666	9692195,086	-7,240
A - 12707	387876,010	9692201,264	-7,080
A - 12706	387887,364	9692207,448	-6,980
A - 12705	387898,673	9692213,607	-7,510
A - 12704	387909,996	9692219,774	-7,450
A - 12703	387921,356	9692225,961	-7,310
A - 12702	387932,638	9692232,105	-7,630
A - 12701	387943,964	9692238,274	-7,940
A - 12700	387955,243	9692244,417	-8,310
A - 12699	387966,440	9692250,515	-9,010
A - 12698	387977,589	9692256,587	-9,460
A - 12697	387988,620	9692262,595	-10,210
A - 12696	387999,490	9692268,515	-11,150
A - 12695	388010,166	9692274,330	-12,290
A - 12694	388020,698	9692280,066	-13,220
A - 12693	388031,090	9692285,726	-13,440
A - 12692	388041,256	9692291,262	-13,550
A - 12691	388051,131	9692296,641	-13,630
A - 12690	388060,481	9692301,733	-13,540
A - 12689	388069,326	9692306,550	-13,600
A - 12688	388077,506	9692311,006	-13,300
A - 12687	388084,879	9692315,021	-13,150
A - 12686	388091,288	9692318,511	-12,650
A - 12685	388096,573	9692321,390	-12,040
A - 12684	388101,056	9692323,831	-11,580
A - 12683	388105,184	9692326,080	-10,810
A - 12682	388109,332	9692328,339	-10,220
A - 12681	388113,613	9692330,670	-9,560
A - 12680	388118,019	9692333,070	-8,440
A - 12679	388122,350	9692335,429	-7,640
A - 12678	388126,461	9692337,668	-6,740
A - 12677	388130,424	9692339,826	-5,880
A - 12676	388134,065	9692341,809	-4,960
A - 12675	388140,079	9692345,085	-3,110
A -	388188,632	9692371,528	3,480
A -	388204,073	9692379,938	3,080
A -	388219,514	9692388,348	2,880
A -	388234,955	9692396,757	2,880
A -	388250,395	9692405,167	2,780
A -	388265,836	9692413,576	3,080
A -	388281,277	9692421,986	2,810
A -	388296,718	9692430,396	2,780
A -	388312,159	9692438,805	2,480
A -	388327,600	9692447,215	1,980
A -	388343,041	9692455,624	1,480
A -	388358,481	9692464,034	1,980
A -	388373,922	9692472,444	2,080
A -	388389,363	9692480,853	2,180
A -	388404,804	9692489,263	2,210
A -	388420,245	9692497,672	2,320
A -	388435,686	9692506,082	2,480
A -	388451,127	9692514,492	2,580
A -	388466,568	9692522,901	2,630
A -	388482,008	9692531,311	2,780
A -	388497,449	9692539,720	2,730
A -	388512,890	9692548,130	2,980
A -	388528,331	9692556,540	3,080
A - 12668	388604,174	9692597,846	1,150
A - 12667	388614,064	9692603,233	1,330
A - 12666	388624,852	9692609,108	1,400
A - 12665	388636,367	9692615,380	1,410
A - 12664	388648,519	9692621,998	1,370
A - 12663	388660,773	9692628,672	1,360
A - 12662	388672,964	9692635,311	1,420
A - 12661	388685,194	9692641,973	1,410
A - 12660	388697,599	9692648,729	1,310
A - 12659	388710,288	9692655,640	1,130
A - 12658	388723,192	9692662,668	0,920
A - 12657	388736,152	9692669,726	0,690
A - 12656	388749,019	9692676,734	0,310
A - 12655	388761,693	9692683,636	0,060
A - 12654	388774,202	9692690,449	-0,060
A - 12653	388786,525	9692697,161	-0,460
A - 12652	388798,511	9692703,689	-0,730
A - 12651	388810,085	9692709,992	-0,640
A - 12650	388821,129	9692716,007	-1,020
A - 12649	388831,336	9692721,566	-1,350
A - 12648	388840,614	9692726,620	-1,520
A - 12647	388849,555	9692731,489	-1,360
A - 12646	388858,530	9692736,377	-1,460
A - 12645	388867,475	9692741,249	-1,430
A - 12644	388876,371	9692746,094	-1,050
A - 12643	388885,243	9692750,926	-1,160
A - 12642	388894,032	9692755,713	-1,380
A - 12641	388902,738	9692760,454	-1,610
A - 12640	388911,329	9692765,133	-1,750
A - 12639	388919,554	9692769,613	-1,890
A - 12638	388927,157	9692773,753	-1,950
A - 12637	388934,094	9692777,531	-1,730
A - 12636	388940,893	9692781,235	-1,200
A - 12635	388947,683	9692784,933	-0,990
A - 12634	388954,173	9692788,468	-0,710
A - 12633	388960,431	9692791,876	-0,640
A - 12632	388966,475	9692795,168	-0,590
A - 12631	388972,387	9692798,388	-0,600
A - 12630	388978,186	9692801,546	-0,640
A - 12629	388983,897	9692804,656	-0,630
A - 12628	388989,687	9692807,810	-0,620
A - 12627	388995,390	9692810,915	-0,550
A - 12626	389000,880	9692813,906	-0,500
A - 12625	389005,952	9692816,668	-0,350
A - 12624	389010,414	9692819,098	-0,180
A - P11I4 - SU	389017,579	9692823,000	1,310
A - P11I3 - SU	389020,176	9692824,415	2,550
A - P11I2 - NA	389022,017	9692825,418	4,110
A - S11DE	389028,777	9692829,099	4,950
A - P11I5	389032,726	9692831,250	4,620
A - P11I6	389038,482	9692834,385	4,260
A - P11I7	389046,566	9692838,788	4,380
A - P11I8	389053,304	9692842,457	4,380
A - P11I9 - NA	389062,051	9692847,221	3,980
A - P11I10 - S	389073,398	9692853,401	3,540
A - P11I11 - N	389078,424	9692856,139	4,090
A - P11I12	389097,340	9692866,441	4,180
A - P11I13	389117,501	9692877,421	3,930
A - P11I14	389130,806	9692884,667	4,700
A - P11I15	389145,580	9692892,714	4,730
A - P11I17	389154,207	9692897,413	4,430
A - P11I18	389164,509	9692903,023	4,180
A - P11I19	389176,198	9692909,390	3,810
A - P11I20	389188,390	9692916,030	3,930
A - P11I21	389201,046	9692922,923	3,510
A - P11I22	389214,459	9692930,228	3,850
A - P11I23	389222,480	9692934,596	3,890
A - P11I24	389236,643	9692942,310	3,470
A - P11I25	389249,206	9692949,152	3,750
A - P11I26	389256,851	9692953,316	3,850
A - P11I27	389263,927	9692957,169	3,890
A - P11I31	389286,524	9692969,477	3,290

A - P11I32	389294,143	9692973,626	3,080
A - P11I33	389302,263	9692978,049	3,360
A - P11I34	389307,472	9692980,886	3,230
A - P11I35	389316,495	9692985,800	3,470
A - P11I36	389328,647	9692992,418	3,420
A - P11I37	389342,501	9692999,964	3,720
A - P11I38	389351,209	9693004,706	3,880
A - P11I40	389358,424	9693008,636	3,690
A - P11I41	389364,828	9693012,124	3,540
A - P11I42	389379,612	9693020,176	3,740
A - P11I43	389387,763	9693024,615	3,200
A - P11I44	389399,995	9693031,277	3,490
A - P11I45	389410,567	9693037,035	3,850
A - P11I46	389416,422	9693040,224	3,890
A - P11I47	389425,433	9693045,131	3,910
A - P11I48	389431,270	9693048,310	4,200
A - P11I50	389437,435	9693051,668	4,410
A - P11I51	389443,875	9693055,175	4,390
A - P11I52	389451,086	9693059,103	4,460
A - P11I53	389459,664	9693063,775	4,540
A - P11I54	389466,935	9693067,735	4,630
A - P11I56	389487,098	9693078,716	3,860
A - P11I57	389498,496	9693084,924	3,880
A - P11I58	389502,640	9693087,181	3,280
A - P11I59	389512,413	9693092,503	3,040
A - P11I60	389517,210	9693095,116	3,550
A - P11I61	389522,348	9693097,914	3,830
A - P11I62	389531,689	9693103,002	2,770
A - P11I63	389540,390	9693107,741	2,880
A - P11I64	389551,154	9693113,603	2,730
A - P11I65	389565,830	9693121,596	3,040
A - P11I66	389577,636	9693128,026	3,980
A - P11I68	389582,075	9693130,444	3,470
A - P11I69	389591,617	9693135,641	3,640
A - P11I70	389599,681	9693140,033	3,520
A - P11I72	389646,406	9693165,480	3,650
A - P11I73	389651,590	9693168,304	4,120
A - P11I74 - SU	389654,954	9693170,136	3,720
A - P11I75	389657,136	9693171,324	2,770
A - 12619	389682,251	9693185,003	1,740
A - 12618	389688,199	9693188,243	1,690
A - 12617	389694,863	9693191,872	1,650
A - 12616	389702,627	9693196,100	1,760
A - 12615	389711,271	9693200,808	1,990
A - 12614	389721,194	9693206,212	2,170
A - 12613	389730,907	9693211,503	2,210
A - 12612	389741,128	9693217,069	1,960
A - 12611	389750,879	9693222,380	1,450
A - 12610	389760,931	9693227,855	0,810
A - 12609	389771,047	9693233,364	0,790
A - 12608	389781,532	9693239,075	0,670
A - 12607	389791,640	9693244,580	0,550
A - 12606	389801,874	9693250,154	0,550
A - 12605	389812,156	9693255,754	0,580
A - 12604	389821,985	9693261,107	0,720
A - 12603	389831,911	9693266,513	0,750
A - 12602	389842,410	9693272,231	0,640
A - 12601	389852,862	9693277,923	0,470
A - 12600	389863,004	9693283,447	0,390
A - 12599	389873,092	9693288,941	0,380
A - 12598	389882,898	9693294,282	0,550
A - 12597	389892,923	9693299,742	0,870
A - 12596	389902,649	9693305,039	1,120
A - 12595	389912,382	9693310,340	1,150
A - 12594	389922,148	9693315,659	1,080
A - 12593	389932,299	9693321,187	1,020
A - 12592	389941,541	9693326,221	0,870
A - 12591	389951,364	9693331,571	0,980
A - 12590	389961,184	9693336,919	1,120
A - 12589	389970,526	9693342,007	1,190
A - 12588	389979,794	9693347,054	1,290
A - 12587	389988,973	9693352,054	1,510
A - 12586	389997,638	9693356,773	1,460
A - 12585	390006,241	9693361,458	1,430
A - 12584	390014,968	9693366,212	1,340
A - 12583	390023,606	9693370,916	1,160
A - 12582	390031,796	9693375,377	0,990
A - 12581	390040,288	9693380,002	0,870
A - 12580	390048,717	9693384,593	0,690
A - 12579	390056,962	9693389,083	0,480
A - 12578	390064,718	9693393,307	0,340
A - 12577	390072,568	9693397,583	0,430
A - 12576	390080,625	9693401,970	0,300
A - 12575	390087,982	9693405,978	0,020
A - 12574	390095,170	9693409,892	0,130
A - 12573	390102,580	9693413,928	0,150
A - 12572	390109,652	9693417,780	0,160
A - 12571	390116,653	9693421,593	0,110
A - 12570	390123,020	9693425,061	0,060
A - 12569	390128,205	9693427,884	-0,170
A - 12568	390132,682	9693430,322	-0,240
A - P11I77	390148,741	9693439,069	2,030
A - P11I76 - NA	390152,285	9693440,999	4,060
A - P11I78	390152,731	9693441,242	5,030
A - S11DG	390154,112	9693441,994	5,331
A - P11I79	390162,313	9693446,460	5,110
A - P11I80	390172,356	9693451,931	4,700
A - P11I81	390181,089	9693456,687	4,470
A - P11I82	390189,931	9693461,502	4,370
A - P11I83	390200,631	9693467,330	4,030
A - P11I84	390209,410	9693472,111	4,150
A - P11I85	390221,767	9693478,841	3,930
A - P11I86	390233,404	9693485,179	3,880
A - P11I88	390243,501	9693490,679	4,000
A - P11I87	390243,567	9693490,714	4,010

PONTO	E	N	COTA
A - P12E22	381957,739	9700386,796	34,952
A - P12E21	381961,477	9700384,667	32,262
A - P12E20	381965,701	9700382,261	29,531
A - P12E19	381972,145	9700378,591	24,550
A - P12E18	381978,497	9700374,973	20,129
A - P12E17	381982,414	9700372,742	16,989
A - P12E16	381986,856	9700370,212	13,296
A - P12E15	381986,858	9700370,211	13,266
A - P12E14	381991,803	9700367,395	9,125
A - P12E8	381993,662	9700366,335	8,210
A - P12E9	381995,736	9700365,154	7,476
A - P12E10	381998,075	9700363,822	6,937
A - P12E11	382000,361	9700362,520	6,299
A - P12E12	382002,811	9700361,125	5,752
A - P12E13	382004,792	9700359,996	5,288
A - P12E1	382006,931	9700358,778	4,850
A - P12E6	382009,797	9700357,146	4,341
A - P12E7	382009,807	9700357,140	4,339
A - P12E2 - NA	382013,119	9700355,253	4,003
A - P12E3 - SU	382015,802	9700353,725	3,692
A - P12E4 - SU	382019,886	9700351,399	3,274
A - P12E5 - SU	382022,472	9700349,926	2,983
A - 12564	382042,470	9700338,536	-1,509
A - 12563	382045,874	9700336,597	-1,859
A - 12562	382051,234	9700333,544	-2,409
A - 12561	382056,439	9700330,580	-2,769
A - 12560	382062,170	9700327,315	-3,619
A - 12559	382069,615	9700323,075	-5,669
A - 12558	382074,380	9700320,361	-7,199
A - 12557	382080,083	9700317,112	-8,979
A - 12556	382086,175	9700313,643	-10,879
A - 12555	382092,332	9700310,136	-12,779
A - 12554	382098,579	9700306,578	-14,339
A - 12553	382105,023	9700302,907	-18,269
A - 12552	382111,430	9700299,258	-19,819
A - 12551	382118,183	9700295,411	-21,479
A - 12550	382125,237	9700291,394	-22,069
A - 12549	382132,648	9700287,173	-22,029
A - 12548	382140,561	9700282,666	-21,389
A - 12547	382149,095	9700277,805	-20,169
A - 12546	382158,539	9700272,426	-18,609
A - 12545	382168,944	9700266,500	-17,809
A - 12544	382180,194	9700260,092	-17,859
A - 12543	382192,894	9700252,859	-13,419
A - 12542	382207,533	9700244,520	-13,419
A - 12541	382223,100	9700235,654	-11,999
A - 12540	382238,816	9700226,702	-10,179
A - 12539	382254,763	9700217,620	-8,389
A - 12538	382271,041	9700208,348	-6,729
A - 12537	382287,374	9700199,045	-5,849
A - 12536	382304,288	9700189,411	-5,219
A - 12535	382321,010	9700179,887	-4,709
A - 12534	382337,570	9700170,455	-4,309
A - 12533	382354,369	9700160,886	-4,059
A - 12532	382371,491	9700151,134	-3,659
A - 12531	382388,092	9700141,679	-3,299
A - 12530	382404,887	9700132,113	-3,329
A - 12529	382421,823	9700122,467	-3,259
A - 12528	382438,757	9700112,821	-3,229
A - 12527	382455,597	9700103,230	-3,059
A - 12526	382472,375	9700093,673	-3,229
A - 12525	382489,316	9700084,024	-2,999
A - 12524	382506,324	9700074,337	-3,259
A - 12523	382523,002	9700064,837	-3,019
A - 12522	382540,220	9700055,031	-3,269
A - 12521	382556,953	9700045,500	-3,579
A - 12520	382574,199	9700035,677	-3,819
A - 12519	382590,855	9700026,190	-4,099
A - 12518	382608,022	9700016,412	-4,089
A - 12517	382624,719	9700006,902	-3,859
A - 12516	382641,659	9699997,254	-4,139
A - 12515	382658,597	9699987,606	-4,499
A - 12514	382675,499	9699977,979	-4,949
A - 12513	382692,464	9699968,316	-4,959
A - 12512	382709,489	9699958,619	-4,439
A - 12511	382726,550	9699948,902	-4,409
A - 12510	382743,868	9699939,038	-4,659
A - 12509	382760,644	9699929,483	-4,769
A - 12508	382777,666	9699919,788	-4,849
A - 12507	382794,636	9699910,122	-4,899
A - 12506	382811,807	9699900,342	-4,959
A - 12505	382828,460	9699890,856	-4,619
A - 12398	385034,085	9698634,591	1,881

PONTO	E	N	COTA
A - 12504	382845,416	9699881,199	-4,439
A - 12503	382862,416	9699871,516	-4,439
A - 12502	382879,416	9699861,833	-4,299
A - 12501	382896,389	9699852,166	-4,359
A - 12500	382913,319	9699842,523	-4,519
A - 12499	382930,528	9699832,722	-4,509
A - 12498	382947,391	9699823,117	-4,109
A - 12497	382964,046	9699813,630	-2,999
A - 12496	382980,971	9699803,990	-2,999
A - 12495	382997,931	9699794,330	-3,069
A - 12494	383014,901	9699784,665	-2,929
A - 12493	383031,859	9699775,006	-2,889
A - 12492	383048,835	9699765,337	-2,929
A - 12491	383065,786	9699755,682	-2,829
A - 12490	383082,706	9699746,045	-2,729
A - 12489	383099,631	9699736,405	-2,499
A - 12488	383116,530	9699726,780	-2,489
A - 12487	383133,353	9699717,198	-2,409
A - 12486	383150,097	9699707,661	-2,349
A - 12485	383166,823	9699698,134	-2,359
A - 12484	383183,539	9699688,613	-2,219
A - 12483	383200,227	9699679,108	-2,329
A - 12482	383217,350	9699669,355	-2,289
A - 12481	383233,691	9699660,048	-2,389
A - 12480	383249,981	9699650,770	-2,609
A - 12479	383266,528	9699641,345	-2,779
A - 12478	383283,565	9699631,641	-2,679
A - 12477	383299,658	9699622,475	-2,679
A - 12476	383316,443	9699612,915	-2,719
A - 12475	383333,515	9699603,191	-3,059
A - 12474	383350,419	9699593,563	-3,209
A - 12473	383367,139	9699584,039	-3,139
A - 12472	383384,101	9699574,378	-2,969
A - 12471	383401,026	9699564,738	-2,769
A - 12470	383418,126	9699554,998	-3,009
A - 12469	383434,660	9699545,581	-2,569
A - 12468	383451,349	9699536,076	-2,609
A - 12467	383467,930	9699526,632	-2,659
A - 12466	383484,423	9699517,238	-2,749
A - 12465	383501,061	9699507,761	-2,639
A - 12464	383516,958	9699498,706	-2,749
A - 12463	383532,870	9699489,643	-2,789
A - 12462	383547,763	9699481,161	-2,839
A - 12461	383562,500	9699472,767	-2,779
A - 12460	383576,618	9699464,726	-2,569
A - 12459	383590,021	9699457,091	-2,219
A - 12458	383602,661	9699449,892	-1,999
A - 12457	383614,857	9699442,946	-1,799
A - 12456	383626,241	9699436,462	-1,529
A - 12455	383637,563	9699430,013	-1,249
A - 12454	383648,538	9699423,762	-0,849
A - 12453	383658,804	9699417,915	-0,329
A - 12452	383667,619	9699412,894	0,161
A - 12451	383674,506	9699408,971	0,501
A - 12450	383679,499	9699406,127	0,691
A - 12449	383683,553	9699403,818	0,621
A - 12448	383688,225	9699401,157	0,341
A - P12I5	383769,006	9699355,146	2,426
A - P12I4	383769,977	9699354,593	2,688
A - P12I3	383771,305	9699353,837	3,079
A - P12I2 - NA	383772,783	9699352,995	3,481
A - P12I6	383773,965	9699352,322	3,703
A - S12EB	383775,607	9699351,387	3,949
A - S12EC	383792,058	9699342,016	3,766
A - P12I8	383802,077	9699336,310	3,457
A - P12I9	383810,267	9699331,645	3,559
A - P12I10	383816,956	9699327,836	3,443
A - P12I11	383826,098	9699322,628	3,189
A - P12I12	383834,941	9699317,591	3,468
A - P12I13	383844,929	9699311,903	3,472
A - P12I14	383856,190	9699305,489	3,357
A - P12I15	383867,832	9699298,858	3,470
A - P12I16	383884,197	9699289,537	3,229
A - P12I17	383899,771	9699280,666	3,377
A - P12I18	383918,849	9699269,800	3,409
A - P12I19	383940,657	9699257,379	3,567
A - P12I20	383948,916	9699252,674	3,461
A - P12I21	383955,977	9699248,652	3,871
A - P12I24	383960,868	9699245,867	4,147
A - P12I25	383972,182	9699239,423	3,475
A - P12I26 - NA	383984,178	9699232,590	3,547
A - P12I27	383992,719	9699227,725	2,878
A - 12315	386327,271	9697898,026	-2,189

PONTO	E	N	COTA
A - P12I28	384002,514	9699222,147	2,726
A - P12I29	384012,031	9699216,726	2,709
A - P12I30	384020,103	9699212,128	2,686
A - P12I31	384034,227	9699204,084	2,955
A - P12I32	384045,907	9699197,431	2,995
A - P12I33	384064,189	9699187,018	2,904
A - P12I34	384081,915	9699176,922	2,980
A - P12I35	384092,379	9699170,962	2,991
A - P12I36	384100,740	9699166,199	3,133
A - P12I38	384112,637	9699159,423	3,618
A - P12I37	384112,676	9699159,401	3,112
A - P12I39	384126,145	9699151,729	3,164
A - P12I40	384137,674	9699145,163	3,648
A - P12I42	384148,874	9699138,784	3,041
A - P12I43	384158,814	9699133,122	3,356
A - P12I44	384171,197	9699126,069	3,186
A - P12I45	384185,996	9699117,640	3,177
A - P12I46	384201,374	9699108,881	3,276
A - P12I47	384213,211	9699102,139	3,090
A - P12I48	384215,895	9699100,610	3,305
A - P12I49	384227,980	9699093,727	3,497
A - P12I50	384234,696	9699089,902	3,632
A - P12I52	384242,659	9699085,366	3,186
A - P12I53	384256,331	9699077,579	3,237
A - P12I54	384267,931	9699070,972	3,272
A - P12I55	384279,078	9699064,623	3,623
A - P12I56	384294,571	9699055,799	3,192
A - P12I57	384317,212	9699042,903	3,259
A - P12I58	384334,789	9699032,891	3,573
A - P12I61 - N	384338,557	9699030,746	2,888
A - P12I60 - N	384343,962	9699027,667	3,420
A - P12I62	384353,017	9699022,509	3,414
A - P12I63	384356,526	9699020,511	3,426
A - P12I64	384359,961	9699018,554	3,870
A - P12I65	384363,645	9699016,456	4,771
A - P12I66	384367,264	9699014,395	4,993
A - P12I67	384371,107	9699012,206	4,561
A - P12I68	384374,389	9699010,336	4,372
A - P12I69 - N	384384,668	9699004,482	3,298
A - 12441	384394,812	9698998,704	2,901
A - 12440	384408,794	9698990,740	2,851
A - 12439	384422,979	9698982,661	2,821
A - 12438	384437,259	9698974,527	2,781
A - 12437	384451,730	9698966,285	2,741
A - 12436	384466,323	9698957,973	2,721
A - 12435	384480,925	9698949,656	2,721
A - 12434	384495,538	9698941,333	2,711
A - 12433	384510,179	9698932,994	2,691
A - 12432	384524,815	9698924,658	2,691
A - 12431	384539,477	9698916,307	2,641
A - 12430	384554,143	9698907,953	2,631
A - 12429	384568,816	9698899,596	2,631
A - 12428	384583,475	9698891,246	2,611
A - 12427	384598,123	9698882,903	2,571
A - 12426	384612,714	9698874,593	2,541
A - 12425	384627,280	9698866,296	2,501
A - 12424	384641,917	9698857,959	2,501
A - 12423	384656,542	9698849,630	2,481
A - 12422	384671,129	9698841,321	2,451
A - 12421	384685,578	9698833,091	2,401
A - 12420	384699,883	9698824,944	2,361
A - 12419	384714,169	9698816,806	2,361
A - 12418	384728,595	9698808,590	2,341
A - 12417	384743,298	9698800,216	2,311
A - 12416	384758,451	9698791,585	2,311
A - 12415	384773,785	9698782,851	2,291
A - 12414	384789,109	9698774,122	2,251
A - 12413	384804,411	9698765,407	2,231
A - 12412	384819,719	9698756,688	2,201
A - 12411	384835,051	9698747,956	2,191
A - 12410	384850,393	9698739,217	2,221
A - 12409	384865,697	9698730,500	2,151
A - 12408	384880,997	9698721,786	2,101
A - 12407	384896,317	9698713,060	2,071
A - 12406	384911,586	9698704,363	2,001
A - 12405	384926,903	9698695,639	2,001
A - 12404	384942,243	9698686,902	2,161
A - 12403	384957,601	9698678,154	2,211
A - 12402	384972,965	9698669,403	2,141
A - 12401	384988,307	9698660,665	2,081
A - 12400	385003,620	9698651,943	2,061
A - 12399	385018,864	9698643,260	2,031
A -	387437,581	9697632,771	2,386

A - 12397	385049,264	9698625,945	1,801
A - 12396	385064,241	9698617,415	1,791
A - 12395	385079,011	9698609,002	1,761
A - 12394	385093,740	9698600,613	1,771
A - 12393	385108,493	9698592,210	1,731
A - 12392	385123,222	9698583,821	1,681
A - 12391	385137,948	9698575,433	1,681
A - 12390	385152,620	9698567,076	1,641
A - 12389	385167,198	9698558,773	1,581
A - 12388	385181,625	9698550,556	1,501
A - 12387	385195,838	9698542,461	1,451
A - 12386	385209,855	9698534,477	1,431
A - 12385	385223,636	9698526,628	1,341
A - 12384	385237,047	9698518,989	1,221
A - 12383	385250,005	9698511,609	1,141
A - 12382	385262,702	9698504,377	1,101
A - 12381	385275,147	9698497,288	1,101
A - 12380	385287,102	9698490,479	1,081
A - 12379	385298,270	9698484,118	1,061
A - 12378	385308,262	9698478,427	0,931
A - 12377	385318,321	9698472,698	0,901
A - 12376	385330,378	9698465,830	0,791
A - 12375	385376,686	9698439,455	0,371
A - 12374	385392,612	9698430,383	0,371
A - 12373	385408,481	9698421,345	0,351
A - 12372	385424,300	9698412,335	0,401
A - 12371	385440,093	9698403,340	0,531
A - 12370	385455,973	9698394,294	0,381
A - 12369	385471,884	9698385,232	0,381
A - 12368	385487,791	9698376,172	0,301
A - 12367	385503,715	9698367,102	0,201
A - 12366	385519,645	9698358,029	0,011
A - 12365	385535,559	9698348,965	-0,029
A - 12364	385551,435	9698339,922	-0,139
A - 12363	385567,326	9698330,871	-0,149
A - 12362	385583,224	9698321,816	-0,219
A - 12361	385599,136	9698312,753	-0,259
A - 12360	385615,096	9698303,662	-0,129
A - 12359	385631,075	9698294,561	0,001
A - 12358	385647,051	9698285,462	-0,179
A - 12357	385663,011	9698276,371	-0,369
A - 12356	385678,954	9698267,291	-0,369
A - 12355	385694,886	9698258,216	-0,369
A - 12354	385710,802	9698249,151	-0,529
A - 12353	385726,694	9698240,099	-0,609
A - 12352	385742,555	9698231,065	-0,839
A - 12351	385758,403	9698222,038	-0,789
A - 12350	385774,234	9698213,022	-0,689
A - 12349	385790,051	9698204,012	-0,809
A - 12348	385805,869	9698195,003	-1,169
A - 12347	385821,669	9698186,004	-1,269
A - 12346	385837,491	9698176,992	-1,199
A - 12345	385853,316	9698167,978	-1,039
A - 12344	385869,149	9698158,960	-1,069
A - 12343	385884,972	9698149,948	-1,169
A - 12342	385900,833	9698140,914	-1,209
A - 12341	385916,702	9698131,875	-1,489
A - 12340	385932,546	9698122,851	-1,689
A - 12339	385948,347	9698113,851	-1,609
A - 12338	385964,103	9698104,877	-1,549
A - 12337	385979,851	9698095,908	-1,199
A - 12336	385995,626	9698086,923	-1,069
A - 12335	386011,443	9698077,914	-0,989
A - 12334	386027,286	9698068,890	-1,209
A - 12333	386043,122	9698059,870	-1,459
A - 12332	386058,995	9698050,829	-1,419
A - 12331	386074,886	9698041,778	-1,029
A - 12330	386090,750	9698032,742	-1,179
A - 12329	386106,573	9698023,730	-1,159
A - 12328	386122,380	9698014,727	-1,079
A - 12327	386138,178	9698005,729	-1,169
A - 12326	386153,951	9697996,745	-0,999
A - 12325	386169,726	9697987,760	-1,199
A - 12324	386185,464	9697978,796	-1,459
A - 12323	386201,183	9697969,843	-1,489
A - 12322	386216,970	9697960,851	-1,629
A - 12321	386232,778	9697951,847	-1,869
A - 12320	386248,580	9697942,846	-2,019
A - 12319	386264,383	9697933,846	-2,039
A - 12318	386280,175	9697924,851	-1,999
A - 12317	386295,907	9697915,890	-2,049
A - 12316	386311,603	9697906,950	-2,149
A - P12D3	388583,817	9697961,918	3,602

A - 12314	386342,973	9697889,083	-2,169
A - 12313	386358,685	9697880,133	-2,159
A - 12312	386374,395	9697871,186	-2,099
A - 12311	386390,137	9697862,220	-2,159
A - 12310	386405,878	9697853,254	-2,139
A - 12309	386421,579	9697844,311	-2,099
A - 12308	386437,214	9697835,406	-2,209
A - 12307	386452,806	9697826,525	-2,079
A - 12306	386468,233	9697817,738	-2,249
A - 12305	386483,405	9697809,096	-2,489
A - 12304	386498,469	9697800,516	-2,719
A - 12303	386513,603	9697791,896	-2,789
A - 12302	386528,827	9697783,225	-2,439
A - 12301	386543,875	9697774,654	-2,699
A - 12300	386558,904	9697766,094	-2,999
A - 12299	386574,033	9697757,477	-3,129
A - 12298	386589,210	9697748,833	-3,059
A - 12297	386604,466	9697740,143	-3,169
A - 12296	386619,617	9697731,514	-3,719
A - 12295	386634,515	9697723,028	-4,089
A - 12294	386649,103	9697714,719	-4,329
A - 12293	386663,795	9697706,351	-4,699
A - 12292	386678,780	9697697,816	-4,759
A - 12291	386693,403	9697689,487	-4,739
A - 12290	386707,625	9697681,387	-4,949
A - 12289	386721,159	9697673,678	-5,159
A - 12288	386733,993	9697666,368	-5,359
A - 12287	386746,819	9697659,063	-5,079
A - 12286	386759,418	9697651,887	-5,209
A - 12285	386771,778	9697644,847	-5,259
A - 12284	386783,928	9697637,927	-5,239
A - 12283	386795,779	9697631,177	-5,369
A - 12282	386807,384	9697624,567	-5,239
A - 12281	386819,021	9697617,938	-5,429
A - 12280	386830,625	9697611,329	-5,749
A - 12279	386842,144	9697604,768	-6,109
A - 12278	386853,643	9697598,219	-6,339
A - 12277	386865,087	9697591,701	-6,159
A - 12276	386876,249	9697585,343	-5,709
A - 12275	386887,257	9697579,073	-5,519
A - 12274	386898,242	9697572,816	-5,519
A - 12273	386909,595	9697566,350	-5,459
A - 12272	386920,084	9697560,376	-5,299
A - 12271	386929,216	9697555,174	-5,179
A - 12270	386937,107	9697550,680	-5,049
A - 12269	386943,652	9697546,952	-4,829
A - 12268	386948,979	9697543,918	-4,549
A - 12267	386952,926	9697541,670	-4,269
A - 12255	386960,405	9697537,410	-3,929
A - 12254	386964,142	9697535,281	-3,689
A - 12253	386967,746	9697533,228	-3,509
A - 12252	386971,345	9697531,179	-3,309
A - 12251	386975,039	9697529,075	-2,999
A - P12D4 - SU	387002,613	9697513,369	2,785
A - P12D3 - SU	387004,870	9697512,084	3,098
A - P12D2 - NA	387006,547	9697511,129	3,499
A - S12DB	387009,034	9697509,712	4,010
A - P12D7	387019,084	9697512,598	3,966
A - P12D8	387024,782	9697514,234	3,534
A - P12D9	387034,263	9697516,957	3,328
A - P12D10	387043,385	9697519,576	3,275
A - P12D11	387052,886	9697522,304	3,057
A - P12D12	387059,626	9697524,240	1,970
A - P12D13	387069,491	9697527,072	1,497
A - P12D14	387082,370	9697530,771	2,498
A - P12D15	387093,963	9697534,100	3,520
A - P12D16	387105,285	9697537,351	3,336
A - P12D17	387120,150	9697541,619	3,304
A - P12D18	387130,602	9697544,621	3,382
A - P12D19	387146,227	9697549,108	3,488
A - P12D20	387159,699	9697552,976	3,528
A -	387182,856	9697559,626	3,299
A -	387206,013	9697566,275	1,210
A -	387229,170	9697572,925	2,666
A -	387252,327	9697579,575	2,834
A -	387275,483	9697586,224	3,128
A -	387298,640	9697592,874	3,075
A -	387321,797	9697599,523	2,757
A -	387344,954	9697606,173	1,510
A -	387368,111	9697612,823	0,937
A -	387391,267	9697619,472	1,718
A -	387414,424	9697626,122	2,660

A -	387460,738	9697639,421	2,304
A -	387483,895	9697646,070	2,342
A -	387507,051	9697652,720	2,328
A -	387530,208	9697659,370	2,358
A -	387553,365	9697666,019	-0,980
A -	387576,522	9697672,669	0,950
A -	387599,679	9697679,318	-0,590
A -	387622,835	9697685,968	-0,210
A -	387645,992	9697692,617	-0,630
A -	387669,149	9697699,267	-0,500
A -	387692,306	9697705,917	-0,560
A -	387715,462	9697712,566	-0,680
A -	387738,619	9697719,216	-0,290
A -	387761,776	9697725,865	-0,020
A -	387784,933	9697732,515	0,250
A -	387808,090	9697739,165	0,350
A -	387831,246	9697745,814	0,410
A -	387854,403	9697752,464	0,320
A -	387877,560	9697759,113	0,500
A -	387900,717	9697765,763	0,490
A -	387923,874	9697772,412	0,530
A -	387947,030	9697779,062	1,400
A - PI12D23	387970,187	9697785,712	2,867
A - PI12D22	387981,881	9697789,070	2,922
A - PI12D21	387994,892	9697792,806	2,951
A - PI12D20	388015,128	9697798,617	3,003
A - PI12D19	388026,558	9697801,899	3,012
A - PI12D18	388041,570	9697806,209	2,948
A - PI12D17	388058,336	9697811,024	2,584
A - PI12D16	388077,055	9697816,399	2,858
A - PI12D15	388089,578	9697819,995	3,027
A - PI12D14	388105,775	9697824,646	2,923
A - PI12D13	388121,205	9697829,077	2,952
A - PI12D12	388134,176	9697832,802	2,731
A - PI12D11	388153,102	9697838,236	3,270
A - PI12D10	388169,699	9697843,002	3,345
A - PI12D7	388183,558	9697846,982	3,397
A - PI12D8 - N	388185,617	9697847,573	3,298
A - PI12D9 - SU	388189,440	9697848,671	2,009
A - 12250	388209,943	9697854,559	-0,649
A - 12249	388214,784	9697855,949	-0,729
A - 12248	388220,794	9697857,674	-0,869
A - 12247	388227,225	9697859,521	-1,049
A - 12246	388233,777	9697861,403	-1,109
A - 12245	388240,962	9697863,466	-1,189
A - 12244	388249,143	9697865,815	-1,379
A - 12243	388258,190	9697868,413	-1,659
A - 12242	388267,799	9697871,172	-1,949
A - 12241	388277,531	9697873,967	-2,019
A - 12240	388287,414	9697876,805	-2,199
A - 12239	388297,372	9697879,664	-2,859
A - 12238	388307,642	9697882,613	-3,689
A - 12237	388318,194	9697885,644	-4,079
A - 12236	388329,024	9697888,753	-4,029
A - 12235	388340,340	9697892,003	-4,209
A - 12234	388352,064	9697895,369	-4,349
A - 12233	388363,974	9697898,789	-4,229
A - 12232	388374,965	9697901,945	-4,269
A - 12231	388384,958	9697904,815	-4,539
A - 12230	388394,044	9697907,424	-5,049
A - 12229	388403,298	9697910,081	-5,329
A - 12228	388412,991	9697912,865	-5,449
A - 12227	388422,676	9697915,646	-5,719
A - 12226	388432,273	9697918,402	-5,999
A - 12225	388441,646	9697921,093	-6,359
A - 12224	388450,659	9697923,681	-6,769
A - 12223	388459,590	9697926,246	-6,689
A - 12222	388468,839	9697928,902	-6,629
A - 12221	388478,320	9697931,624	-6,559
A - 12220	388487,688	9697934,314	-6,369
A - 12219	388495,678	9697936,609	-6,169
A - 12218	388502,330	9697938,519	-5,889
A - 12217	388507,701	9697940,061	-5,449
A - 12216	388512,774	9697941,518	-4,759
A - 12215	388518,211	9697943,079	-3,399
A - 12214	388523,392	9697944,567	-1,969
A - P12D6 - SU	388539,443	9697949,176	1,760
A - P12D5 - NA	388542,028	9697949,918	3,277
A - P12D4	388543,764	9697950,417	4,113
A - S12D	388546,715	9697951,264	4,407
A - P12D1	388562,066	9697955,672	3,744
A - P12D2	388571,085	9697958,262	3,600

PONTO	E	N	COTA
A - P13E13	383862,127	9704077,595	25,856
A - P13E12	383866,698	9704074,614	21,986
A - P13E11	383873,454	9704070,206	17,234
A - P13E10	383879,379	9704066,341	12,831
A - P13E9	383880,473	9704065,627	10,876
A - P13E8	383882,573	9704064,257	9,373
A - P13E7	383883,052	9704063,944	8,377
A - P13E6	383884,357	9704063,093	7,625
A - P13E2	383885,626	9704062,265	5,122
A - P13E1	383890,320	9704059,202	4,075
A - S13EA	383892,326	9704057,894	3,880
A - P13E3 -	383894,749	9704056,313	3,576
A - P13E4 -	383900,279	9704052,705	2,737
A - P13E5 -	383902,811	9704051,054	2,398
A - 11872	383951,002	9704019,614	-14,315
A - 11873	383958,689	9704014,599	-15,925
A - 11874	383966,520	9704009,491	-16,965
A - 11875	383975,744	9704003,473	-17,455
A - 11876	383984,649	9703997,664	-17,235
A - 11877	383993,501	9703991,889	-16,905
A - 11878	384003,102	9703985,625	-16,685
A - 11879	384012,700	9703979,363	-16,335
A - 11880	384022,410	9703973,029	-16,105
A - 11881	384032,556	9703966,410	-15,975
A - 11882	384043,236	9703959,442	-16,865
A - 11883	384053,684	9703952,626	-17,045
A - 11884	384063,801	9703946,026	-16,755
A - 11885	384073,919	9703939,425	-16,535
A - 11886	384083,584	9703933,120	-16,735
A - 11887	384093,629	9703926,566	-17,065
A - 11888	384104,184	9703919,681	-16,895
A - 11889	384115,138	9703912,534	-16,575
A - 11890	384126,247	9703905,287	-15,925
A - 11891	384137,300	9703898,076	-15,485
A - 11892	384147,931	9703891,140	-15,475
A - 11893	384158,595	9703884,184	-15,145
A - 11894	384169,546	9703877,039	-14,785
A - 11895	384180,666	9703869,784	-15,145
A - 11896	384191,880	9703862,468	-15,515
A - 11897	384203,070	9703855,168	-15,515
A - 11898	384214,326	9703847,825	-15,575
A - 11899	384225,873	9703840,292	-15,375
A - 11900	384237,648	9703832,610	-15,705
A - 11901	384249,548	9703824,847	-15,745
A - 11902	384261,499	9703817,050	-15,605
A - 11903	384273,499	9703809,222	-15,455
A - 11904	384285,503	9703801,390	-15,765
A - 11905	384297,459	9703793,590	-15,545
A - 11906	384309,451	9703785,767	-15,525
A - 11907	384321,512	9703777,898	-15,365
A - 11908	384333,787	9703769,890	-14,695
A - 11909	384346,237	9703761,768	-14,085
A - 11910	384358,786	9703753,581	-13,025
A - 11911	384371,418	9703745,340	-11,815
A - 11912	384384,168	9703737,022	-11,085
A - 11913	384397,084	9703728,596	-10,205
A - 11914	384410,129	9703720,086	-9,465
A - 11915	384423,258	9703711,520	-8,755
A - 11916	384436,413	9703702,938	-8,095
A - 11917	384449,598	9703694,337	-7,655
A - 11918	384462,825	9703685,707	-7,155
A - 11919	384476,081	9703677,060	-6,975
A - 11920	384489,318	9703668,424	-6,395
A - 11921	384502,554	9703659,789	-6,075
A - 11922	384515,722	9703651,198	-5,955
A - 11923	384528,878	9703642,615	-5,805
A - 11924	384542,074	9703634,006	-5,695
A - 11925	384555,291	9703625,384	-5,675
A - 11926	384568,518	9703616,755	-5,425
A - 11927	384581,708	9703608,149	-5,305
A - 11928	384594,875	9703599,559	-5,105
A - 11929	384608,021	9703590,983	-4,865
A - 11930	384621,135	9703582,428	-4,755
A - 11931	384634,239	9703573,879	-4,595
A - 11932	384647,324	9703565,343	-4,315
A - 11933	384660,421	9703556,798	-4,025
A - 11934	384673,517	9703548,255	-3,915
A - 11935	384686,621	9703539,706	-3,875
A - 11936	384699,687	9703531,182	-3,735
A - 11937	384712,766	9703522,649	-3,495
A - 11938	384725,855	9703514,110	-3,125
A - 11939	384738,979	9703505,548	-2,735
A - 11940	384752,093	9703496,993	-2,535

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A - 11941	384765,159	9703488,468	-2,455
A - 11942	384778,127	9703480,008	-2,355
A - 11943	384791,053	9703471,575	-2,215
A - 11944	384803,951	9703463,161	-2,165
A - 11945	384816,857	9703454,741	-2,025
A - 11946	384829,781	9703446,310	-1,965
A - 11947	384842,650	9703437,914	-1,815
A - 11948	384855,496	9703429,534	-1,855
A - 11949	384868,343	9703421,152	-1,855
A - 11950	384881,247	9703412,734	-1,765
A - 11951	384894,249	9703404,252	-1,755
A - 11952	384907,260	9703395,763	-1,845
A - 11953	384920,184	9703387,332	-1,785
A - 11954	384933,026	9703378,954	-1,795
A - 11955	384945,962	9703370,515	-1,955
A - 11956	384958,902	9703362,073	-1,885
A - 11957	384971,850	9703353,626	-1,825
A - 11958	384984,792	9703345,183	-1,875
A - 11959	384997,725	9703336,745	-1,805
A - 11960	385010,647	9703328,315	-1,835
A - 11961	385023,535	9703319,907	-1,765
A - 11962	385036,404	9703311,511	-1,725
A - 11963	385049,265	9703303,121	-1,785
A - 11964	385062,114	9703294,739	-1,805
A - 11965	385074,924	9703286,381	-1,625
A - 11966	385087,747	9703278,016	-1,455
A - 11967	385100,601	9703269,630	-1,425
A - 11968	385113,441	9703261,254	-1,335
A - 11969	385126,246	9703252,900	-1,315
A - 11970	385139,048	9703244,548	-1,485
A - 11971	385151,886	9703236,172	-1,515
A - 11972	385164,737	9703227,789	-1,525
A - 11973	385177,524	9703219,446	-1,655
A - 11974	385190,301	9703211,111	-1,715
A - 11975	385203,086	9703202,770	-1,885
A - 11976	385215,864	9703194,434	-2,005
A - 11977	385228,648	9703186,094	-1,955
A - 11978	385241,430	9703177,755	-1,935
A - 11979	385254,191	9703169,430	-2,045
A - 11980	385266,958	9703161,101	-2,055
A - 11981	385279,713	9703152,780	-2,055
A - 11982	385292,434	9703144,481	-2,035
A - 11983	385305,119	9703136,205	-2,125
A - 11984	385317,823	9703127,917	-2,165
A - 11985	385330,538	9703119,622	-2,135
A - 11986	385343,248	9703111,330	-1,955
A - 11987	385355,982	9703103,023	-1,955
A - 11988	385368,742	9703094,698	-2,015
A - 11989	385381,502	9703086,374	-1,915
A - 11990	385394,218	9703078,078	-1,835
A - 11991	385406,904	9703069,802	-1,695
A - 11992	385419,647	9703061,489	-1,555
A - 11993	385432,407	9703053,164	-1,335
A - 11994	385445,141	9703044,857	-1,285
A - 11995	385457,822	9703036,584	-1,105
A - 11996	385470,516	9703028,302	-1,035
A - 11997	385483,204	9703020,024	-0,895
A - 11998	385495,917	9703011,731	-0,775
A - 11999	385508,640	9703003,431	-0,635
A - 12000	385521,404	9702995,103	-0,565
A - 12001	385534,175	9702986,772	-0,525
A - 12002	385546,949	9702978,438	-0,445
A - 12003	385559,738	9702970,095	-0,355
A - 12004	385572,525	9702961,753	-0,205
A - 12005	385585,306	9702953,415	-0,065
A - 12006	385598,048	9702945,102	0,105
A - 12007	385610,805	9702936,779	0,225
A - 12008	385623,541	9702928,471	0,205
A - 12009	385636,257	9702920,175	0,265
A - 12010	385648,981	9702911,874	0,275
A - 12011	385661,719	9702903,564	0,295
A - 12012	385674,469	9702895,246	0,275
A - 12013	385687,244	9702886,912	0,235
A - 12014	385700,006	9702878,586	0,135
A - 12015	385712,715	9702870,295	0,185
A - 12016	385725,404	9702862,016	0,125
A - 12017	385738,093	9702853,739	0,155
A - 12018	385750,767	9702845,470	0,175
A - 12019	385763,433	9702837,207	0,155
A - 12020	385776,110	9702828,936	0,175
A - 12021	385788,759	9702820,684	0,165
A - 12022	385801,406	9702812,434	0,275
A - 12023	385814,048	9702804,186	0,195

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A - 12024	385826,688	9702795,940	0,085
A - 12025	385839,348	9702787,680	-0,115
A - 12026	385852,014	9702779,418	-0,335
A - 12027	385864,691	9702771,147	-0,515
A - 12028	385877,344	9702762,892	-0,795
A - 12029	385890,014	9702754,627	-1,055
A - 12030	385902,663	9702746,375	-1,315
A - 12031	385915,295	9702738,134	-1,465
A - 12032	385927,937	9702729,886	-1,625
A - 12033	385940,589	9702721,632	-1,725
A - 12034	385953,265	9702713,363	-1,845
A - 12035	385965,940	9702705,094	-2,015
A - 12036	385978,602	9702696,833	-2,085
A - 12037	385991,262	9702688,574	-2,345
A - 12038	386003,927	9702680,311	-2,465
A - 12039	386016,621	9702672,030	-2,735
A - 12040	386029,328	9702663,740	-2,725
A - 12041	386041,983	9702655,484	-2,785
A - 12042	386054,611	9702647,246	-2,775
A - 12043	386067,232	9702639,012	-2,975
A - 12044	386079,832	9702630,792	-3,065
A - 12045	386092,386	9702622,602	-3,015
A - 12046	386104,914	9702614,429	-2,945
A - 12047	386117,413	9702606,275	-3,365
A - 12048	386129,894	9702598,132	-3,475
A - 12049	386142,378	9702589,988	-3,345
A - 12050	386154,853	9702581,849	-3,355
A - 12051	386167,324	9702573,714	-3,775
A - 12052	386179,802	9702565,573	-4,075
A - 12053	386192,270	9702557,439	-4,015
A - 12054	386204,713	9702549,321	-3,825
A - 12055	386217,180	9702541,188	-3,915
A - 12056	386229,639	9702533,060	-3,835
A - 12057	386242,086	9702524,939	-3,835
A - 12058	386254,531	9702516,821	-3,865
A - 12059	386266,990	9702508,692	-3,905
A - 12060	386279,450	9702500,564	-3,875
A - 12061	386291,888	9702492,449	-3,665
A - 12062	386304,313	9702484,343	-3,675
A - 12063	386316,749	9702476,230	-3,515
A - 12064	386329,214	9702468,098	-3,485
A - 12065	386341,651	9702459,984	-3,305
A - 12066	386354,097	9702451,865	-2,915
A - 12067	386366,526	9702443,756	-1,975
A - 12068	386378,908	9702435,678	-1,255
A - 12069	386391,284	9702427,604	-0,505
A - 12070	386403,656	9702419,533	-0,085
A - 12071	386416,007	9702411,476	0,065
A - 12072	386428,343	9702403,428	0,215
A - 12073	386440,646	9702395,402	0,175
A - 12074	386452,923	9702387,392	0,245
A - 12075	386465,203	9702379,381	0,255
A - 12076	386477,481	9702371,371	0,215
A - 12077	386489,783	9702363,345	0,165
A - 12078	386502,138	9702355,284	0,075
A - 12079	386514,572	9702347,173	-0,005
A - 12080	386526,980	9702339,078	-0,025
A - 12081	386539,363	9702331,000	0,005
A - 12082	386551,703	9702322,949	-0,025
A - 12083	386564,041	9702314,900	-0,055
A - 12084	386576,379	9702306,851	-0,085
A - 12085	386588,734	9702298,791	-0,115
A - 12086	386601,102	9702290,722	-0,195
A - 12087	386613,480	9702282,647	-0,205
A - 12088	386625,860	9702274,570	-0,305
A - 12089	386638,225	9702266,503	-0,495
A - 12090	386650,547	9702258,464	-0,565
A - 12091	386662,851	9702250,437	-0,695
A - 12092	386675,172	9702242,400	-0,825
A - 12093	386687,490	9702234,363	-1,005
A - 12094	386699,817	9702226,321	-1,085
A - 12095	386712,147	9702218,278	-1,245
A - 12096	386724,437	9702210,260	-1,305
A - 12097	386736,696	9702202,262	-1,435
A - 12098	386748,955	9702194,264	-1,445
A - 12099	386761,212	9702186,268	-1,585
A - 12100	386773,442	9702178,289	-1,675
A - 12101	386785,666	9702170,315	-1,715
A - 12102	386797,900	9702162,333	-1,865
A - 12103	386810,115	9702154,364	-2,025
A - 12104	386822,286	9702146,424	-2,195
A - 12105	386834,465	9702138,479	-2,385
A - 12106	386846,669	9702130,517	-2,665

A - 12107	386858,861	9702122,563	-2,905
A - 12108	386871,073	9702114,596	-2,995
A - 12109	386883,371	9702106,573	-3,355
A - 12110	386895,656	9702098,558	-3,405
A - 12111	386907,894	9702090,575	-3,455
A - 12112	386920,094	9702082,615	-3,625
A - 12113	386932,239	9702074,692	-3,695
A - 12114	386944,372	9702066,777	-3,775
A - 12115	386956,502	9702058,863	-3,855
A - 12116	386968,629	9702050,951	-3,865
A - 12117	386980,758	9702043,039	-4,375
A - 12118	386992,927	9702035,100	-4,955
A - 12119	387005,111	9702027,151	-5,195
A - 12120	387017,268	9702019,220	-4,345
A - 12121	387029,375	9702011,322	-4,045
A - 12122	387041,408	9702003,471	-4,365
A - 12123	387053,500	9701995,583	-4,605
A - 12124	387065,617	9701987,678	-4,695
A - 12125	387077,781	9701979,743	-4,525
A - 12126	387090,001	9701971,770	-4,395
A - 12127	387102,293	9701963,751	-4,275
A - 12128	387114,632	9701955,701	-4,175
A - 12129	387126,951	9701947,664	-3,795
A - 12130	387139,253	9701939,639	-3,445
A - 12131	387151,530	9701931,629	-3,285
A - 12132	387163,781	9701923,637	-3,005
A - 12133	387176,043	9701915,637	-2,935
A - 12134	387188,269	9701907,661	-2,845
A - 12135	387200,500	9701899,682	-2,805
A - 12136	387212,753	9701891,688	-2,815
A - 12137	387224,983	9701883,710	-2,875
A - 12138	387237,183	9701875,750	-2,975
A - 12139	387249,363	9701867,804	-3,235
A - 12140	387261,517	9701859,875	-3,165
A - 12141	387273,636	9701851,969	-3,255
A - 12142	387285,763	9701844,058	-3,355
A - 12143	387297,885	9701836,149	-3,525
A - 12144	387310,013	9701828,237	-3,735
A - 12145	387322,125	9701820,335	-3,925
A - 12146	387334,226	9701812,441	-4,195
A - 12147	387346,342	9701804,536	-4,425
A - 12148	387358,454	9701796,634	-4,595
A - 12149	387370,570	9701788,730	-4,825
A - 12150	387382,685	9701780,827	-4,795
A - 12151	387394,786	9701772,932	-4,785
A - 12152	387406,855	9701765,058	-4,575
A - 12153	387418,812	9701757,258	-4,465
A - 12154	387430,847	9701749,406	-4,325
A - 12155	387442,934	9701741,521	-4,085
A - 12156	387455,051	9701733,616	-3,945
A - 12157	387467,129	9701725,737	-3,755
A - 12158	387479,159	9701717,888	-3,585
A - 12159	387491,200	9701710,033	-3,485
A - 12160	387503,240	9701702,178	-3,305
A - 12161	387515,258	9701694,338	-3,355
A - 12162	387527,317	9701686,471	-3,285
A - 12163	387539,436	9701678,564	-3,215
A - 12164	387551,596	9701670,631	-3,195
A - 12165	387563,780	9701662,682	-3,115
A - 12166	387576,011	9701654,703	-3,035
A - 12167	387588,262	9701646,711	-2,985
A - 12168	387600,533	9701638,705	-2,995
A - 12169	387612,802	9701630,701	-3,095
A - 12170	387625,096	9701622,681	-3,085
A - 12171	387637,373	9701614,671	-2,895
A - 12172	387649,588	9701606,702	-3,035
A - 12173	387661,765	9701598,758	-3,125
A - 12174	387673,943	9701590,814	-3,095
A - 12175	387686,211	9701582,810	-3,075
A - 12176	387698,486	9701574,802	-2,985
A - 12177	387710,770	9701566,788	-2,895
A - 12178	387723,026	9701558,793	-2,785
A - 12179	387735,251	9701550,817	-2,675
A - 12180	387747,623	9701542,746	-2,825
A - 12181	387760,065	9701534,628	-2,965
A - 12182	387772,507	9701526,511	-2,765
A - 12183	387784,911	9701518,419	-2,815
A - 12184	387797,323	9701510,322	-2,745
A - 12185	387809,736	9701502,224	-2,725
A - 12186	387822,149	9701494,126	-2,705
A - 12187	387834,529	9701486,049	-2,685
A - 12188	387847,355	9701477,682	-2,605
A - 12189	387859,878	9701469,512	-2,555
A - 12190	387872,025	9701461,588	-2,575
A - 12191	387885,012	9701453,115	-2,475
A - 12192	387897,648	9701444,871	-2,135
A - 12193	387909,932	9701436,858	-1,765
A - 12194	387922,618	9701428,581	-1,535
A - 12195	387935,298	9701420,308	-1,355
A - 12196	387947,947	9701412,057	-1,265
A - 12197	387960,606	9701403,798	-1,265
A - 12198	387973,251	9701395,549	-1,365
A - 12199	387985,914	9701387,287	-1,465
A - 12200	387998,829	9701378,862	-1,165
A - 12201	388011,221	9701370,778	-1,075
A - 12202	388023,231	9701362,942	-1,385
A - 12203	388034,084	9701355,862	-1,295
A - 12204	388043,778	9701349,538	-1,295
A - 12205	388052,700	9701343,717	-1,225
A - 12206	388060,867	9701338,389	-1,325
A - 12207	388067,830	9701333,847	-1,425
A - 12208	388073,103	9701330,407	-1,355
A - 12209	388077,183	9701327,745	-1,275
A - 12210	388080,624	9701325,500	-1,295
A - 12211	388086,562	9701321,626	-1,515
A - 12212	388091,180	9701318,613	-1,605
A - 12213	388095,147	9701316,026	-1,595
A - P13D3	388106,496	9701308,622	2,490
A - P13D2	388109,495	9701306,665	3,455
A - P13D4	388115,452	9701302,779	3,997
A - P13D5	388119,547	9701300,107	3,997
A - S13D	388122,723	9701298,035	4,084
A - P13D6	388126,467	9701295,593	3,815
A - P13D7	388133,324	9701291,119	3,716
A - P13D8	388142,776	9701284,953	3,622
A - P13D9	388151,052	9701279,554	3,572
A - P13D10	388160,668	9701273,280	3,511
A - P13D11	388168,480	9701268,184	3,444
A - P13D12	388176,322	9701263,067	3,492
A - P13D13	388184,426	9701257,781	3,536
A - P13D14	388194,666	9701251,100	3,271
A - P13D15	388204,676	9701244,570	3,267
A - P13D16	388211,889	9701239,864	3,376
A - P13D17	388212,193	9701239,666	3,430
A - P13D18	388220,926	9701233,969	2,989
A - P13D19	388229,158	9701228,598	3,008
A - P13D20	388233,752	9701225,601	2,931
A - P13D20	390709,671	9699792,280	2,931

PONTO	E	N	COTA
A - P14E10	385204,543	9706571,986	29,296
A - P14E9	385214,255	9706563,757	21,724
A - P14E8	385218,325	9706560,309	18,894
A - P14E1	385221,261	9706557,821	15,323
A - P14E2	385222,393	9706556,861	15,430
A - P14E3	385224,302	9706555,244	11,587
A - P14E4	385228,002	9706552,109	5,645
A - P14E5	385231,222	9706549,380	4,454
A - S14E	385240,365	9706541,633	3,786
A - P14E6 -	385241,110	9706541,001	3,371
A - P14E7	385243,613	9706538,880	2,655
A - 11871	385271,130	9706515,564	-7,719
A - 11870	385276,880	9706510,692	-8,909
A - 11869	385283,073	9706505,444	-9,929
A - 11868	385289,579	9706499,931	-10,899
A - 11867	385296,327	9706494,213	-11,839
A - 11866	385303,430	9706488,195	-12,879
A - 11865	385310,966	9706481,809	-14,009
A - 11864	385319,194	9706474,837	-15,089
A - 11863	385328,446	9706466,997	-16,349
A - 11862	385338,953	9706458,094	-17,799
A - 11861	385350,567	9706448,253	-18,909
A - 11860	385362,439	9706438,193	-19,579
A - 11859	385374,373	9706428,081	-19,819
A - 11858	385386,335	9706417,944	-20,819
A - 11857	385398,331	9706407,780	-20,889
A - 11856	385410,338	9706397,605	-20,839
A - 11855	385422,340	9706387,436	-20,879
A - 11854	385434,342	9706377,265	-21,049
A - 11853	385446,358	9706367,084	-21,109
A - 11852	385458,363	9706356,911	-21,079
A - 11851	385470,311	9706346,788	-21,279
A - 11850	385482,196	9706336,716	-21,459
A - 11849	385494,055	9706326,667	-21,679
A - 11848	385505,907	9706316,625	-21,879
A - 11847	385517,817	9706306,533	-21,989
A - 11846	385529,751	9706296,421	-22,239
A - 11845	385541,713	9706286,285	-22,319
A - 11844	385553,656	9706276,164	-22,419
A - 11843	385565,508	9706266,122	-22,989
A - 11842	385577,423	9706256,026	-23,299
A - 11841	385589,341	9706245,927	-23,569
A - 11840	385601,195	9706235,882	-23,829
A - 11839	385613,008	9706225,872	-23,949
A - 11838	385624,824	9706215,860	-24,189
A - 11837	385636,674	9706205,819	-24,219
A - 11836	385648,562	9706195,746	-24,069
A - 11835	385660,464	9706185,660	-23,429
A - 11834	385672,393	9706175,553	-22,719
A - 11833	385684,331	9706165,437	-22,389
A - 11832	385696,267	9706155,323	-21,879
A - 11831	385708,245	9706145,173	-20,949
A - 11830	385720,230	9706135,018	-19,749
A - 11829	385732,202	9706124,873	-18,469
A - 11828	385744,202	9706114,705	-16,579
A - 11827	385756,235	9706104,509	-15,189
A - 11826	385768,247	9706094,330	-13,079
A - 11825	385780,239	9706084,169	-12,049
A - 11824	385792,224	9706074,013	-11,069
A - 11823	385804,209	9706063,857	-10,079
A - 11822	385816,181	9706053,713	-9,309
A - 11821	385828,196	9706043,533	-9,009
A - 11820	385840,209	9706033,353	-8,479
A - 11819	385852,198	9706023,194	-7,919
A - 11818	385864,119	9706013,092	-7,429
A - 11817	385876,016	9706003,012	-7,319
A - 11816	385887,923	9705992,922	-6,739
A - 11815	385899,843	9705982,822	-6,359
A - 11814	385911,842	9705972,655	-5,889
A - 11813	385923,818	9705962,507	-5,569
A - 11812	385935,740	9705952,405	-5,169
A - 11811	385947,645	9705942,317	-4,799
A - 11810	385959,566	9705932,216	-4,549
A - 11809	385971,493	9705922,109	-4,179
A - 11808	385983,434	9705911,991	-3,829
A - 11807	385995,403	9705901,849	-3,379
A - 11806	386007,398	9705891,685	-3,109
A - 11805	386019,425	9705881,494	-2,969
A - 11804	386031,461	9705871,295	-2,719
A - 11803	386043,467	9705861,122	-2,569
A - 11802	386055,434	9705850,981	-2,379
A - 11801	386067,408	9705840,836	-2,399
A - 11800	386079,371	9705830,699	-2,349

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A - 11799	386091,314	9705820,579	-2,309
A - 11798	386103,261	9705810,455	-2,169
A - 11797	386115,236	9705800,308	-2,229
A - 11796	386127,249	9705790,129	-2,179
A - 11795	386139,282	9705779,933	-1,939
A - 11794	386151,318	9705769,734	-2,119
A - 11793	386163,374	9705759,518	-2,109
A - 11792	386175,429	9705749,304	-2,169
A - 11791	386187,489	9705739,085	-2,089
A - 11790	386199,560	9705728,856	-2,029
A - 11789	386211,640	9705718,620	-1,919
A - 11788	386223,740	9705708,367	-1,859
A - 11787	386235,851	9705698,105	-1,809
A - 11786	386247,966	9705687,839	-1,649
A - 11785	386260,096	9705677,561	-1,689
A - 11784	386272,204	9705667,300	-1,669
A - 11783	386284,311	9705657,041	-1,739
A - 11782	386296,410	9705646,790	-1,589
A - 11781	386308,482	9705636,560	-1,539
A - 11780	386320,559	9705626,327	-1,569
A - 11779	386332,647	9705616,084	-1,549
A - 11778	386344,714	9705605,859	-1,399
A - 11777	386356,777	9705595,638	-1,339
A - 11776	386368,849	9705585,409	-1,279
A - 11775	386380,924	9705575,176	-1,229
A - 11774	386392,977	9705564,963	-1,209
A - 11773	386404,958	9705554,811	-1,199
A - 11772	386416,832	9705544,749	-1,089
A - 11771	386428,633	9705534,750	-0,959
A - 11770	386440,415	9705524,767	-0,839
A - 11769	386452,199	9705514,781	-0,759
A - 11768	386463,987	9705504,793	-0,699
A - 11767	386475,776	9705494,804	-0,609
A - 11766	386487,573	9705484,808	-0,589
A - 11765	386499,386	9705474,797	-0,589
A - 11764	386511,197	9705464,789	-0,539
A - 11763	386523,004	9705454,784	-0,489
A - 11762	386534,805	9705444,785	-0,529
A - 11761	386546,608	9705434,784	-0,419
A - 11760	386558,389	9705424,801	-0,389
A - 11759	386570,144	9705414,841	-0,369
A - 11758	386581,862	9705404,911	-0,309
A - 11757	386593,561	9705394,998	-0,349
A - 11756	386605,342	9705385,016	-0,329
A - 11755	386617,086	9705375,064	-0,389
A - 11754	386628,800	9705365,138	-0,319
A - 11753	386640,531	9705355,198	-0,349
A - 11752	386652,273	9705345,249	-0,249
A - 11751	386664,037	9705335,280	-0,319
A - 11750	386675,811	9705325,303	-0,309
A - 11749	386687,588	9705315,324	-0,349
A - 11748	386699,353	9705305,354	-0,329
A - 11747	386711,110	9705295,393	-0,419
A - 11746	386722,855	9705285,440	-0,349
A - 11745	386734,614	9705275,476	-0,339
A - 11744	386746,357	9705265,526	-0,399
A - 11743	386758,079	9705255,593	-0,309
A - 11742	386769,795	9705245,665	-0,369
A - 11741	386781,576	9705235,683	-0,369
A - 11740	386793,340	9705225,715	-0,339
A - 11739	386805,077	9705215,769	-0,299
A - 11738	386816,806	9705205,831	-0,319
A - 11737	386828,538	9705195,890	-0,239
A - 11736	386840,285	9705185,935	-0,239
A - 11735	386852,034	9705175,980	-0,319
A - 11734	386863,772	9705166,034	-0,299
A - 11733	386875,504	9705156,093	-0,329
A - 11732	386887,240	9705146,148	-0,379
A - 11731	386898,982	9705136,199	-0,469
A - 11730	386910,712	9705126,259	-0,439
A - 11729	386922,425	9705116,334	-0,469
A - 11728	386934,156	9705106,394	-0,459
A - 11727	386945,882	9705096,457	-0,559
A - 11726	386957,634	9705086,500	-0,609
A - 11725	386969,387	9705076,540	-0,769
A - 11724	386981,263	9705066,477	-0,799
A - 11723	386993,285	9705056,291	-0,799
A - 11722	387005,247	9705046,155	-0,899
A - 11721	387017,291	9705035,949	-0,919
A - 11720	387029,365	9705025,718	-1,069
A - 11719	387041,423	9705015,501	-1,239
A - 11718	387053,435	9705005,322	-1,279
A - 11717	387065,431	9704995,157	-1,329

PONTO	E	N	COTA
A - 11716	387077,470	9704984,956	-1,529
A - 11715	387089,587	9704974,689	-1,489
A - 11714	387101,711	9704964,415	-1,449
A - 11713	387113,855	9704954,125	-1,299
A - 11712	387126,014	9704943,822	-1,169
A - 11711	387138,158	9704933,532	-1,019
A - 11710	387150,295	9704923,248	-0,909
A - 11709	387162,414	9704912,979	-0,849
A - 11708	387174,516	9704902,724	-0,709
A - 11707	387186,606	9704892,480	-0,609
A - 11706	387198,675	9704882,253	-0,539
A - 11705	387210,731	9704872,037	-0,529
A - 11704	387222,867	9704861,753	-0,439
A - 11703	387235,011	9704851,463	-0,399
A - 11702	387247,145	9704841,182	-0,369
A - 11701	387259,287	9704830,893	-0,369
A - 11700	387271,438	9704820,596	-0,359
A - 11699	387283,607	9704810,285	-0,369
A - 11698	387295,793	9704799,959	-0,349
A - 11697	387308,001	9704789,615	-0,289
A - 11696	387320,199	9704779,279	-0,279
A - 11695	387332,383	9704768,955	-0,249
A - 11694	387344,542	9704758,651	-0,289
A - 11693	387356,708	9704748,343	-0,379
A - 11692	387368,862	9704738,044	-0,349
A - 11691	387380,975	9704727,780	-0,279
A - 11690	387393,089	9704717,515	-0,179
A - 11689	387405,254	9704707,208	-0,159
A - 11688	387417,488	9704696,841	-0,079
A - 11687	387429,761	9704686,441	-0,059
A - 11686	387442,039	9704676,037	-0,139
A - 11685	387454,301	9704665,647	-0,199
A - 11684	387466,538	9704655,279	-0,119
A - 11683	387478,732	9704644,945	-0,109
A - 11682	387490,894	9704634,640	-0,099
A - 11681	387503,080	9704624,314	-0,059
A - 11680	387515,312	9704613,950	-0,039
A - 11679	387527,601	9704603,536	-0,019
A - 11678	387539,911	9704593,106	-0,079
A - 11677	387552,237	9704582,661	-0,009
A - 11676	387564,555	9704572,223	-0,009
A - 11675	387576,850	9704561,805	0,061
A - 11674	387589,077	9704551,445	0,101
A - 11673	387601,225	9704541,151	0,131
A - 11672	387613,410	9704530,826	0,231
A - 11671	387625,529	9704520,557	0,251
A - 11670	387637,560	9704510,362	0,281
A - 11669	387649,640	9704500,126	0,341
A - 11668	387661,763	9704489,854	0,321
A - 11667	387673,875	9704479,591	0,441
A - 11666	387686,018	9704469,301	0,541
A - 11665	387698,221	9704458,961	0,591
A - 11664	387710,462	9704448,589	0,551
A - 11663	387722,703	9704438,216	0,661
A - 11662	387734,938	9704427,848	0,691
A - 11661	387747,123	9704417,523	0,761
A - 11660	387759,304	9704407,202	0,791
A - 11659	387771,475	9704396,889	0,791
A - 11658	387783,658	9704386,565	0,811
A - 11657	387795,919	9704376,176	0,811
A - 11656	387808,276	9704365,705	0,851
A - 11655	387820,682	9704355,193	0,891
A - 11654	387833,085	9704344,683	0,951
A - 11653	387845,510	9704334,155	1,081
A - 11652	387870,373	9704313,087	1,471
A - 11651	387882,794	9704302,562	1,471
A - 11650	387895,228	9704292,027	1,481
A - 11649	387907,696	9704281,461	1,491
A - 11648	387920,147	9704270,911	1,451
A - 11647	387932,610	9704260,351	1,531
A - 11646	387945,094	9704249,772	1,601
A - 11645	387957,607	9704239,170	1,561
A - 11644	387970,078	9704228,602	1,441
A - 11643	387982,469	9704218,103	1,281
A - 11642	387994,731	9704207,713	1,521
A - 11641	388007,036	9704197,285	1,521
A - 11640	388019,428	9704186,785	1,521
A - 11639	388031,818	9704176,286	1,461
A - 11638	388044,299	9704165,710	1,521
A - 11637	388056,927	9704155,011	1,451
A - 11636	388069,536	9704144,326	1,451
A - 11635	388082,108	9704133,673	1,491
A - 11634	388094,725	9704122,982	1,501

A - 11633	388107,363	9704112,274	1,431
A - 11632	388119,967	9704101,593	1,461
A - 11631	388132,563	9704090,920	1,621
A - 11630	388145,152	9704080,252	1,621
A - 11629	388157,741	9704069,585	1,561
A - 11628	388170,309	9704058,936	1,361
A - 11627	388182,839	9704048,319	1,331
A - 11626	388195,366	9704037,703	1,201
A - 11625	388207,916	9704027,070	1,091
A - 11624	388220,455	9704016,444	0,891
A - 11623	388232,986	9704005,826	1,021
A - 11622	388245,473	9703995,245	1,061
A - 11621	388257,940	9703984,681	0,931
A - 11620	388270,412	9703974,113	0,901
A - 11619	388282,825	9703963,595	0,911
A - 11618	388295,157	9703953,145	0,881
A - 11617	388307,383	9703942,786	0,891
A - 11616	388319,483	9703932,532	0,991
A - 11615	388331,390	9703922,443	1,041
A - 11614	388343,133	9703912,493	1,001
A - 11613	388354,797	9703902,609	0,991
A - 11612	388366,381	9703892,794	1,091
A - 11611	388377,892	9703883,040	1,171
A - 11610	388389,310	9703873,365	1,261
A - 11609	388400,612	9703863,788	1,341
A - 11608	388411,854	9703854,261	1,381
A - 11607	388423,049	9703844,776	1,321
A - 11606	388434,036	9703835,466	1,321
A - 11605	388444,862	9703826,293	1,511
A - 11604	388455,596	9703817,197	1,591
A - 11603	388466,239	9703808,178	1,451
A - 11602	388476,802	9703799,228	1,491
A - 11601	388487,200	9703790,417	1,521
A - 11600	388497,373	9703781,797	1,631
A - 11599	388507,219	9703773,454	1,751
A - 11598	388516,586	9703765,517	1,791
A - 11597	388525,274	9703758,155	1,791
A - 11596	388533,399	9703751,270	1,791
A - 11595	388541,619	9703744,305	1,911
A - 11594	388550,176	9703737,054	1,991
A - 11593	388558,853	9703729,702	2,071
A - 11592	388566,871	9703722,907	2,181
A - 11591	388574,559	9703716,393	2,321
A - 11590	388582,376	9703709,770	2,401
A - 11589	388590,434	9703702,942	2,471
A - 11588	388598,243	9703696,325	2,561
A - 11587	388605,430	9703690,235	2,561
A - 11586	388612,645	9703684,121	2,611
A - 11585	388619,701	9703678,142	2,641
A - 11584	388626,387	9703672,477	2,711
A - 11583	388632,328	9703667,443	2,711
A - 11582	388637,155	9703663,352	2,761
A - 11581	388640,984	9703660,107	2,801
A - 11580	388643,687	9703657,817	2,781
A - 11579	388645,094	9703656,625	2,751
A - 11577	388732,932	9703582,195	1,351
A - 11576	388740,200	9703576,037	1,291
A - 11575	388747,820	9703569,580	1,151
A - 11574	388755,837	9703562,787	1,031
A - 11573	388764,374	9703555,553	0,791
A - 11572	388773,229	9703548,050	0,641
A - 11571	388782,447	9703540,239	0,561
A - 11570	388792,193	9703531,980	0,551
A - 11569	388802,588	9703523,172	0,641
A - 11568	388813,550	9703513,883	0,731
A - 11567	388825,136	9703504,066	0,831
A - 11566	388836,928	9703494,074	0,931
A - 11565	388848,672	9703484,123	1,011
A - 11564	388860,444	9703474,147	1,091
A - 11563	388872,319	9703464,086	1,091
A - 11562	388884,352	9703453,889	1,171
A - 11561	388896,421	9703443,663	1,411
A - 11560	388908,517	9703433,413	1,681
A - 11559	388920,606	9703423,169	1,881
A - 11558	388932,664	9703412,952	1,901
A - 11557	388944,704	9703402,749	1,901
A - 11556	388956,739	9703392,552	1,891
A - 11555	388968,770	9703382,357	1,911
A - 11554	388980,791	9703372,171	1,941
A - 11553	388992,815	9703361,983	1,991
A - 11552	389004,851	9703351,784	2,021
A - 11551	389016,875	9703341,595	2,031
A - 11550	389028,901	9703331,405	2,031
A - 11549	389040,925	9703321,217	2,041

A - 11548	389052,924	9703311,049	2,041
A - 11547	389064,895	9703300,906	2,031
A - 11546	389076,845	9703290,779	2,021
A - 11545	389088,751	9703280,691	1,961
A - 11544	389100,599	9703270,652	1,961
A - 11543	389112,374	9703260,674	2,031
A - 11542	389124,036	9703250,792	2,151
A - 11541	389135,548	9703241,037	2,181
A - 11540	389146,877	9703231,438	2,231
A - 11539	389157,777	9703222,201	2,231
A - 11538	389168,180	9703213,387	2,241
A - 11537	389177,869	9703205,176	2,231
A - 11536	389186,626	9703197,757	2,121
A - 11535	389193,858	9703191,629	1,961
A - 11534	389200,182	9703186,269	1,801
A - 11533	389206,401	9703181,000	1,641
A - 11532	389212,089	9703176,180	1,671
A - 11531	389216,471	9703172,467	1,681
A - P14I9 -	389237,589	9703154,573	1,637
A - P14I8 -	389239,885	9703152,627	3,809
A - P14I7	389243,906	9703149,220	3,522
A - P14I6	389247,959	9703145,785	3,405
A - P14I5	389253,562	9703141,038	3,648
A - P14I4	389258,669	9703136,710	3,719
A - P14I3	389262,918	9703133,110	3,881
A - P14I2	389268,367	9703128,493	4,228
A - S14D	389272,253	9703125,200	4,365
A - P14I11	389276,055	9703121,978	4,913
A - P14I10	389276,052	9703121,981	3,580
A - P14I12	389279,795	9703118,810	4,345
A - 11530	389285,130	9703114,288	1,651
A - 11529	389291,665	9703108,751	1,641
A - 11528	389298,229	9703103,189	1,661
A - 11527	389304,834	9703097,592	1,651
A - 11526	389311,547	9703091,904	1,571
A - 11525	389318,453	9703086,052	1,431
A - 11524	389325,585	9703080,009	1,291
A - 11523	389332,985	9703073,739	1,221
A - 11522	389340,772	9703067,140	1,101
A - 11521	389349,032	9703060,141	1,011
A - 11520	389357,789	9703052,720	0,891
A - 11519	389366,598	9703045,256	0,771
A - 11518	389375,369	9703037,824	0,581
A - 11517	389384,087	9703030,437	0,471
A - 11516	389392,757	9703023,091	0,341
A - 11515	389401,224	9703015,916	0,231
A - 11514	389409,355	9703009,026	0,321
A - 11513	389417,297	9703002,297	0,361
A - 11512	389425,164	9702995,631	0,391
A - 11511	389432,917	9702989,061	0,181
A - 11510	389440,403	9702982,718	0,151
A - 11509	389447,840	9702976,416	0,231
A - 11508	389455,131	9702970,237	0,071
A - 11507	389462,367	9702964,106	-0,219
A - 11506	389469,619	9702957,961	-0,609
A - 11505	389476,743	9702951,925	-0,759
A - 11504	389483,676	9702946,050	-1,259
A - 11503	389490,401	9702940,352	-1,549
A - 11502	389497,308	9702934,499	-1,349
A - 11501	389504,152	9702928,700	-1,309
A - 11500	389511,157	9702922,764	-0,929
A - 11499	389517,935	9702917,021	-0,439
A - 11498	389524,083	9702911,811	0,091
A - 11497	389529,228	9702907,451	0,301
A - 11496	389532,643	9702904,558	0,481

PONTO	E	N	COTA
A - P15E14	385854,108	9708228,263	17,840
A - P15E13	385855,603	9708228,223	15,650
A - P15E12	385858,007	9708228,159	13,606
A - P15E11	385860,516	9708228,093	10,834
A - P15E10	385863,629	9708228,010	8,606
A - P15E9	385866,694	9708227,928	6,825
A - P15E8	385870,308	9708227,832	5,848
A - P15E7	385871,342	9708227,805	4,708
A - P15E6	385874,808	9708227,713	3,994
A - P15E5	385879,137	9708227,598	3,591
A - S15E	385883,452	9708227,483	3,668
A - P15E2 - N	385887,662	9708227,371	3,114
A - P15E3	385892,337	9708227,247	2,591
A - 10856	385893,332	9708227,220	2,205
A - P15E4	385897,140	9708227,119	2,111
A - 10857	385898,061	9708227,095	2,015
A - 10858	385902,122	9708226,987	1,895
A - 10859	385907,222	9708226,851	1,805
A - 10860	385912,677	9708226,706	1,755
A - 10861	385918,816	9708226,543	1,715
A - 10862	385925,803	9708226,357	1,655
A - 10863	385933,136	9708226,162	1,615
A - 10864	385940,721	9708225,961	1,615
A - 10865	385948,582	9708225,752	1,555
A - 10866	385956,329	9708225,546	1,575
A - 10867	385963,975	9708225,343	1,565
A - 10868	385971,548	9708225,141	1,555
A - 10869	385979,010	9708224,943	1,555
A - 10870	385986,336	9708224,748	1,525
A - 10871	385993,622	9708224,555	1,455
A - 10872	386001,144	9708224,355	1,465
A - 10873	386008,784	9708224,152	1,425
A - 10874	386017,117	9708223,930	1,425
A - 10875	386025,396	9708223,710	1,445
A - 10876	386033,325	9708223,499	1,395
A - 10877	386041,845	9708223,273	1,375
A - 10878	386050,638	9708223,039	1,375
A - 10879	386060,451	9708222,778	1,355
A - 10880	386071,352	9708222,489	1,345
A - 10881	386082,820	9708222,184	1,315
A - 10882	386094,623	9708221,870	1,255
A - 10883	386107,053	9708221,540	1,255
A - 10884	386119,620	9708221,206	1,185
A - 10885	386132,345	9708220,868	0,745
A - 10886	386145,134	9708220,528	-0,775
A - 10887	386157,817	9708220,190	-4,385
A - 10888	386170,824	9708219,845	-5,415
A - 10889	386184,597	9708219,479	-6,565
A - 10890	386198,468	9708219,110	-7,985
A - 10891	386212,730	9708218,731	-9,265
A - 10892	386227,264	9708218,345	-10,165
A - 10893	386241,996	9708217,953	-11,585
A - 10894	386257,184	9708217,549	-12,775
A - 10895	386271,380	9708217,172	-13,645
A - 10896	386286,282	9708216,776	-14,475
A - 10897	386301,477	9708216,372	-14,955
A - 10898	386316,492	9708215,973	-15,165
A - 10899	386331,574	9708215,572	-15,215
A - 10900	386346,669	9708215,171	-15,585
A - 10901	386362,182	9708214,759	-15,935
A - 10902	386376,819	9708214,370	-16,195
A - 10903	386391,794	9708213,971	-16,385
A - 10904	386406,898	9708213,570	-16,935
A - 10905	386422,504	9708213,155	-17,145
A - 10906	386437,275	9708212,763	-17,365
A - 10907	386452,560	9708212,356	-17,495
A - 10908	386468,239	9708211,940	-17,675
A - 10909	386483,361	9708211,538	-17,655
A - 10910	386498,555	9708211,134	-17,915
A - 10911	386513,200	9708210,745	-17,925
A - 10912	386528,502	9708210,338	-18,065
A - 10913	386544,070	9708209,924	-18,325
A - 10914	386559,919	9708209,503	-18,675
A - 10915	386575,296	9708209,094	-18,735
A - 10916	386590,687	9708208,685	-19,015
A - 10917	386606,229	9708208,272	-19,195
A - 10918	386621,848	9708207,857	-19,295
A - 10919	386637,159	9708207,450	-19,455
A - 10920	386653,247	9708207,022	-19,545
A - 10921	386668,959	9708206,605	-19,865
A - 10922	386684,613	9708206,189	-20,065
A - 10923	386700,330	9708205,771	-20,325
A - 10924	386716,743	9708205,335	-20,465

PONTO	E	N	COTA
A - 10925	386732,962	9708204,903	-20,635
A - 10926	386749,314	9708204,469	-21,155
A - 10927	386765,627	9708204,035	-21,325
A - 10928	386782,312	9708203,592	-21,295
A - 10929	386798,864	9708203,152	-21,405
A - 10930	386814,978	9708202,723	-21,285
A - 10931	386831,280	9708202,290	-20,765
A - 10932	386847,606	9708201,856	-20,615
A - 10933	386863,895	9708201,423	-20,585
A - 10934	386880,150	9708200,991	-20,165
A - 10935	386896,388	9708200,560	-19,545
A - 10936	386912,564	9708200,130	-19,005
A - 10937	386928,746	9708199,700	-18,515
A - 10938	386944,916	9708199,270	-17,855
A - 10939	386961,055	9708198,841	-17,105
A - 10940	386977,550	9708198,402	-16,345
A - 10941	386993,295	9708197,984	-16,305
A - 10942	387009,462	9708197,554	-15,165
A - 10943	387026,013	9708197,114	-14,195
A - 10944	387041,648	9708196,699	-13,575
A - 10945	387057,297	9708196,283	-12,935
A - 10946	387073,285	9708195,858	-12,315
A - 10947	387089,320	9708195,432	-11,655
A - 10948	387105,370	9708195,005	-11,015
A - 10949	387121,914	9708194,565	-10,505
A - 10950	387137,910	9708194,140	-10,125
A - 10951	387153,201	9708193,734	-9,755
A - 10952	387168,982	9708193,314	-9,485
A - 10953	387184,836	9708192,893	-8,745
A - 10954	387201,128	9708192,460	-8,305
A - 10955	387216,513	9708192,051	-7,625
A - 10956	387232,868	9708191,616	-6,645
A - 10957	387248,765	9708191,194	-6,055
A - 10958	387264,193	9708190,784	-5,365
A - 10959	387280,121	9708190,360	-4,735
A - 10960	387296,046	9708189,937	-4,235
A - 10961	387312,230	9708189,507	-3,875
A - 10962	387327,973	9708189,088	-3,615
A - 10963	387343,706	9708188,670	-3,235
A - 10964	387359,830	9708188,242	-3,015
A - 10965	387375,134	9708187,835	-2,805
A - 10966	387390,996	9708187,413	-2,515
A - 10967	387406,903	9708186,990	-2,405
A - 10968	387422,841	9708186,567	-2,315
A - 10969	387438,984	9708186,138	-2,175
A - 10970	387454,817	9708185,717	-2,045
A - 10971	387471,300	9708185,279	-1,945
A - 10972	387487,051	9708184,860	-1,885
A - 10973	387503,156	9708184,432	-1,825
A - 10974	387519,392	9708184,000	-1,745
A - 10975	387535,045	9708183,584	-1,645
A - 10976	387550,832	9708183,165	-1,525
A - 10977	387566,667	9708182,744	-1,515
A - 10978	387583,012	9708182,309	-1,405
A - 10979	387598,499	9708181,898	-1,325
A - 10980	387614,862	9708181,463	-1,185
A - 10981	387630,486	9708181,048	-1,125
A - 10982	387646,763	9708180,615	-1,055
A - 10983	387662,288	9708180,202	-1,015
A - 10984	387678,211	9708179,779	-0,945
A - 10985	387694,758	9708179,339	-0,905
A - 10986	387710,128	9708178,931	-0,995
A - 10987	387726,191	9708178,504	-0,925
A - 10988	387742,197	9708178,078	-0,875
A - 10989	387758,207	9708177,653	-0,795
A - 10990	387774,220	9708177,227	-0,725
A - 10991	387790,241	9708176,801	-0,685
A - 10992	387806,724	9708176,363	-0,625
A - 10993	387822,266	9708175,950	-0,585
A - 10994	387838,252	9708175,525	-0,585
A - 10995	387854,207	9708175,101	-0,565
A - 10996	387870,259	9708174,675	-0,545
A - 10997	387886,350	9708174,247	-0,505
A - 10998	387902,416	9708173,820	-0,495
A - 10999	387918,837	9708173,383	-0,495
A - 11000	387934,257	9708172,974	-0,495
A - 11001	387950,190	9708172,550	-0,495
A - 11002	387966,131	9708172,126	-0,485
A - 11003	387982,179	9708171,700	-0,515
A - 11004	387998,279	9708171,272	-0,505
A - 11005	388014,360	9708170,844	-0,495
A - 11006	388031,234	9708170,396	-0,455
A - 11007	388046,419	9708169,992	-0,465

PONTO	E	N	COTA
A - 11008	388062,831	9708169,556	-0,395
A - 11009	388078,908	9708169,129	-0,435
A - 11010	388094,967	9708168,702	-0,495
A - 11011	388110,650	9708168,285	-0,505
A - 11012	388127,106	9708167,848	-0,495
A - 11013	388143,241	9708167,419	-0,465
A - 11014	388158,936	9708167,002	-0,485
A - 11015	388174,750	9708166,581	-0,465
A - 11016	388190,735	9708166,156	-0,465
A - 11017	388206,923	9708165,726	-0,515
A - 11018	388223,343	9708165,290	-0,485
A - 11019	388238,738	9708164,881	-0,505
A - 11020	388255,283	9708164,441	-0,485
A - 11021	388270,821	9708164,028	-0,505
A - 11022	388286,983	9708163,598	-0,525
A - 11023	388302,419	9708163,188	-0,525
A - 11024	388318,601	9708162,758	-0,535
A - 11025	388334,561	9708162,334	-0,525
A - 11026	388349,932	9708161,925	-0,575
A - 11027	388366,444	9708161,486	-0,625
A - 11028	388382,156	9708161,069	-0,615
A - 11029	388397,860	9708160,651	-0,715
A - 11030	388414,115	9708160,219	-0,715
A - 11031	388430,044	9708159,796	-0,745
A - 11032	388446,652	9708159,354	-0,725
A - 11033	388462,798	9708158,925	-0,715
A - 11034	388478,890	9708158,497	-0,735
A - 11035	388494,481	9708158,083	-0,755
A - 11036	388511,013	9708157,644	-0,795
A - 11037	388526,560	9708157,230	-0,775
A - 11038	388543,109	9708156,791	-0,865
A - 11039	388558,759	9708156,375	-0,875
A - 11040	388574,886	9708155,946	-0,915
A - 11041	388591,425	9708155,506	-0,925
A - 11042	388607,506	9708155,079	-0,975
A - 11043	388623,604	9708154,651	-0,975
A - 11044	388639,675	9708154,224	-1,015
A - 11045	388655,754	9708153,797	-1,045
A - 11046	388672,197	9708153,359	-1,205
A - 11047	388687,787	9708152,945	-1,155
A - 11048	388703,813	9708152,519	-1,295
A - 11049	388719,919	9708152,091	-1,265
A - 11050	388736,072	9708151,662	-1,345
A - 11051	388752,197	9708151,233	-1,315
A - 11052	388768,348	9708150,804	-1,415
A - 11053	388784,525	9708150,374	-1,415
A - 11055	388816,835	9708149,515	-1,475
A - 11056	388832,908	9708149,088	-1,505
A - 11057	388848,982	9708148,661	-1,565
A - 11058	388864,947	9708148,236	-1,615
A - 11059	388880,962	9708147,811	-1,675
A - 11060	388896,990	9708147,385	-1,735
A - 11061	388913,021	9708146,958	-1,795
A - 11062	388929,084	9708146,532	-1,895
A - 11063	388945,155	9708146,104	-1,905
A - 11064	388961,227	9708145,677	-2,005
A - 11065	388977,233	9708145,252	-2,015
A - 11066	388993,652	9708144,815	-2,085
A - 11067	389009,335	9708144,398	-2,185
A - 11068	389025,559	9708143,967	-2,175
A - 11069	389041,462	9708143,545	-2,185
A - 11070	389057,925	9708143,107	-2,225
A - 11071	389073,641	9708142,689	-2,275
A - 11072	389089,827	9708142,259	-2,305
A - 11073	389105,705	9708141,837	-2,325
A - 11074	389121,731	9708141,411	-2,345
A - 11075	389137,806	9708140,984	-2,345
A - 11076	389153,879	9708140,557	-2,355
A - 11077	389169,958	9708140,129	-2,355
A - 11078	389186,463	9708139,691	-2,235
A - 11079	389202,205	9708139,272	-2,295
A - 11080	389218,486	9708138,839	-2,295
A - 11081	389234,444	9708138,415	-2,355
A - 11082	389250,578	9708137,986	-2,325
A - 11083	389266,868	9708137,553	-2,255
A - 11084	389282,865	9708137,128	-2,195
A - 11085	389299,409	9708136,688	-2,215
A - 11086	389315,141	9708136,270	-2,105
A - 11087	389331,229	9708135,843	-2,035
A - 11088	389347,712	9708135,405	-1,955
A - 11089	389363,433	9708134,987	-1,905
A - 11090	389379,930	9708134,548	-1,885
A - 11091	389395,689	9708134,129	-1,775

A - 11092	389411,753	9708133,702	-1,825
A - 11093	389427,276	9708133,290	-1,715
A - 11094	389442,529	9708132,884	-1,685
A - 11095	389457,381	9708132,490	-1,585
A - 11096	389473,207	9708132,069	-1,515
A - 11097	389488,866	9708131,653	-1,435
A - 11098	389504,978	9708131,225	-1,375
A - 11099	389520,997	9708130,799	-1,455
A - 11100	389536,839	9708130,378	-1,345
A - 11101	389552,871	9708129,952	-1,325
A - 11102	389569,315	9708129,514	-1,175
A - 11103	389585,366	9708129,088	-1,125
A - 11104	389601,436	9708128,661	-1,045
A - 11105	389617,099	9708128,244	-0,975
A - 11106	389633,482	9708127,809	-0,925
A - 11107	389649,245	9708127,390	-0,885
A - 11108	389665,644	9708126,954	-0,875
A - 11109	389681,590	9708126,530	-0,825
A - 11110	389697,283	9708126,113	-0,805
A - 11111	389713,833	9708125,673	-0,785
A - 11112	389729,191	9708125,265	-0,715
A - 11113	389745,053	9708124,843	-0,695
A - 11114	389760,960	9708124,421	-0,725
A - 11115	389776,937	9708123,996	-0,705
A - 11116	389793,090	9708123,567	-0,645
A - 11117	389808,949	9708123,145	-0,645
A - 11118	389824,966	9708122,719	-0,625
A - 11119	389841,008	9708122,293	-0,595
A - 11120	389859,069	9708121,813	-0,485
A - 11121	389867,217	9708121,596	-0,475
A - 11122	389874,841	9708121,394	-0,505
A - 11123	389881,842	9708121,208	-0,545
A - 11124	389888,306	9708121,036	-0,525
A - 11125	389894,068	9708120,883	-0,515
A - 11126	389899,118	9708120,748	-0,495
A - 11127	389903,142	9708120,641	-0,455
A - 11128	389906,524	9708120,552	-0,445
A - 11129	389910,794	9708120,438	-0,455
A - 11130	389915,856	9708120,304	-0,455
A - 11131	389921,277	9708120,159	-0,455
A - 11132	389927,006	9708120,007	-0,495
A - 11133	389932,839	9708119,852	-0,415
A - 11134	389938,545	9708119,701	-0,415
A - 11135	389944,361	9708119,546	-0,385
A - 11136	389950,318	9708119,388	-0,405
A - 11137	389956,366	9708119,227	-0,405
A - 11138	389962,123	9708119,074	-0,395
A - 11139	389967,698	9708118,926	-0,395
A - 11140	389973,309	9708118,776	-0,555
A - 11141	389978,974	9708118,626	-0,425
A - 11142	389985,385	9708118,456	-0,405
A - 11143	389993,143	9708118,249	-0,415
A - 11144	390001,491	9708118,027	-0,375
A - 11145	390009,873	9708117,805	-0,315
A - 11146	390017,905	9708117,591	-0,305
A - 11147	390025,854	9708117,380	-0,305
A - 11148	390034,594	9708117,148	-0,315
A - 11149	390044,454	9708116,885	-0,315
A - 11150	390054,870	9708116,609	-0,375
A - 11151	390065,506	9708116,326	-0,315
A - 11152	390075,896	9708116,050	-0,285
A - 11153	390086,011	9708115,781	-0,255
A - 11154	390096,149	9708115,511	-0,255
A - 11155	390106,493	9708115,237	-0,275
A - 11156	390117,259	9708114,950	-0,255
A - 11157	390128,494	9708114,652	-0,225
A - 11158	390139,930	9708114,348	-0,175
A - 11159	390151,120	9708114,050	-0,205
A - 11160	390162,042	9708113,760	-0,215
A - 11161	390173,009	9708113,469	-0,175
A - 11162	390184,126	9708113,173	-0,205
A - 11163	390195,343	9708112,875	-0,255
A - 11164	390207,014	9708112,565	-0,215
A - 11165	390219,099	9708112,244	-0,215
A - 11166	390231,332	9708111,918	-0,305
A - 11167	390243,869	9708111,585	-0,265
A - 11168	390256,292	9708111,255	-0,195
A - 11169	390268,329	9708110,935	-0,215
A - 11170	390279,406	9708110,641	-0,235
A - 11171	390289,936	9708110,361	-0,215
A - 11172	390301,223	9708110,061	-0,175
A - 11173	390312,911	9708109,750	-0,155
A - 11174	390324,933	9708109,430	-0,175
A - 11175	390337,160	9708109,106	-0,235
A - 11176	390349,470	9708108,778	-0,245
A - 11177	390361,835	9708108,450	-0,255
A - 11178	390374,315	9708108,118	-0,305
A - 11179	390386,940	9708107,782	-0,355
A - 11180	390399,696	9708107,443	-0,275
A - 11181	390412,755	9708107,096	-0,205
A - 11182	390426,433	9708106,733	-0,185
A - 11183	390440,453	9708106,360	-0,125
A - 11184	390454,560	9708105,985	-0,115
A - 11185	390468,749	9708105,608	-0,115
A - 11186	390483,131	9708105,226	-0,115
A - 11187	390497,719	9708104,838	-0,125
A - 11188	390512,466	9708104,446	-0,115
A - 11189	390527,348	9708104,050	-0,125
A - 11190	390542,253	9708103,654	-0,095
A - 11191	390557,194	9708103,257	-0,095
A - 11192	390572,148	9708102,860	-0,125
A - 11193	390587,121	9708102,462	-0,085
A - 11194	390602,154	9708102,062	-0,085
A - 11195	390617,155	9708101,663	-0,095
A - 11196	390632,236	9708101,263	-0,135
A - 11197	390647,149	9708100,866	-0,095
A - 11198	390661,576	9708100,483	-0,085
A - 11199	390676,026	9708100,099	-0,055
A - 11200	390690,553	9708099,712	-0,045
A - 11201	390705,072	9708099,327	-0,045
A - 11202	390719,608	9708098,940	-0,065
A - 11203	390734,178	9708098,553	-0,035
A - 11204	390748,820	9708098,164	-0,025
A - 11205	390763,501	9708097,774	-0,025
A - 11206	390778,063	9708097,387	-0,015
A - 11207	390792,577	9708097,001	0,005
A - 11208	390807,136	9708096,614	-0,015
A - 11209	390821,441	9708096,234	0,015
A - 11210	390835,789	9708095,852	-0,015
A - 11211	390850,416	9708095,463	-0,005
A - 11212	390865,313	9708095,067	-0,045
A - 11213	390880,360	9708094,667	-0,035
A - 11214	390895,576	9708094,263	-0,015
A - 11215	390911,129	9708093,850	-0,105
A - 11216	390926,911	9708093,430	-0,055
A - 11217	390942,852	9708093,006	-0,025
A - 11218	390958,898	9708092,580	-0,015
A - 11219	390974,971	9708092,153	-0,015
A - 11220	390991,062	9708091,725	-0,035
A - 11221	391007,191	9708091,296	-0,005
A - 11222	391023,364	9708090,867	-0,005
A - 11223	391039,466	9708090,439	0,025
A - 11224	391055,481	9708090,013	0,035
A - 11225	391071,505	9708089,587	0,045
A - 11226	391087,570	9708089,160	0,075
A - 11227	391103,737	9708088,730	0,065
A - 11228	391119,924	9708088,300	0,055
A - 11229	391136,107	9708087,870	-0,005
A - 11230	391152,285	9708087,440	0,045
A - 11231	391168,475	9708087,010	0,045
A - 11232	391184,618	9708086,580	0,065
A - 11233	391200,751	9708086,152	0,035
A - 11234	391216,890	9708085,723	0,085
A - 11235	391233,025	9708085,294	0,085
A - 11236	391249,140	9708084,865	0,105
A - 11237	391265,222	9708084,438	0,045
A - 11238	391281,317	9708084,010	0,045
A - 11239	391297,426	9708083,582	-0,035
A - 11240	391313,526	9708083,154	0,025
A - 11241	391329,592	9708082,727	0,085
A - 11242	391345,673	9708082,300	0,095
A - 11243	391361,768	9708081,872	0,075
A - 11244	391377,813	9708081,445	0,105
A - 11245	391393,907	9708081,018	0,115
A - 11246	391409,972	9708080,591	0,115
A - 11247	391426,021	9708080,164	0,125
A - 11248	391442,048	9708079,738	0,135
A - 11249	391458,046	9708079,313	0,105
A - 11250	391474,174	9708078,884	0,085
A - 11251	391490,289	9708078,456	0,105
A - 11252	391506,394	9708078,028	0,105
A - 11253	391522,513	9708077,599	0,115
A - 11254	391538,566	9708077,173	0,145
A - 11255	391554,601	9708076,746	0,125
A - 11256	391570,588	9708076,322	0,125
A - 11257	391586,618	9708075,895	0,145
A - 11258	391602,712	9708075,468	0,145
A - 11259	391618,787	9708075,040	0,175
A - 11260	391634,924	9708074,612	0,145
A - 11261	391651,079	9708074,182	0,185
A - 11262	391667,207	9708073,753	0,165
A - 11263	391683,354	9708073,324	0,165
A - 11264	391699,504	9708072,895	0,185
A - 11265	391715,645	9708072,466	0,185
A - 11266	391731,772	9708072,037	0,185
A - 11267	391747,914	9708071,608	0,175
A - 11268	391764,010	9708071,180	0,185
A - 11269	391780,112	9708070,753	0,195
A - 11270	391796,259	9708070,323	0,195
A - 11271	391812,413	9708069,894	0,195
A - 11272	391828,498	9708069,466	0,215
A - 11273	391844,487	9708069,041	0,195
A - 11274	391860,578	9708068,614	0,175
A - 11275	391876,729	9708068,184	0,215
A - 11276	391892,923	9708067,754	0,215
A - 11277	391909,099	9708067,324	0,225
A - 11278	391925,279	9708066,894	0,225
A - 11279	391941,368	9708066,466	0,235
A - 11280	391957,464	9708066,039	0,225
A - 11281	391973,614	9708065,609	0,235
A - 11282	391989,761	9708065,180	0,205
A - 11283	392005,913	9708064,751	0,195
A - 11284	392022,020	9708064,323	0,215
A - 11285	392038,142	9708063,894	0,195
A - 11287	392070,395	9708063,037	0,205
A - 11288	392086,514	9708062,608	0,205
A - 11289	392102,648	9708062,180	0,185
A - 11290	392118,780	9708061,751	0,145
A - 11291	392134,798	9708061,325	0,135
A - 11292	392150,660	9708060,903	0,175
A - 11293	392166,519	9708060,482	0,155
A - 11294	392182,459	9708060,058	0,165
A - 11295	392198,492	9708059,632	0,155
A - 11296	392214,528	9708059,206	0,155
A - 11297	392230,600	9708058,779	0,125
A - 11298	392246,704	9708058,351	0,135
A - 11299	392262,812	9708057,923	0,115
A - 11300	392278,940	9708057,494	0,125
A - 11301	392295,048	9708057,066	0,135
A - 11302	392311,144	9708056,638	0,095
A - 11303	392327,249	9708056,210	0,055
A - 11304	392343,352	9708055,782	0,055
A - 11305	392359,465	9708055,354	0,035
A - 11306	392375,608	9708054,924	0,035
A - 11307	392391,760	9708054,495	-0,005
A - 11308	392407,911	9708054,066	-0,035
A - 11309	392424,069	9708053,636	-0,025
A - 11310	392440,209	9708053,207	-0,105
A - 11311	392456,352	9708052,778	-0,135
A - 11312	392472,522	9708052,349	-0,165
A - 11313	392488,614	9708051,921	-0,215
A - 11314	392504,569	9708051,497	-0,305
A - 11315	392520,627	9708051,070	-0,365
A - 11316	392536,715	9708050,642	-0,435
A - 11317	392552,804	9708050,215	-0,485
A - 11318	392568,907	9708049,787	-0,475
A - 11319	392584,969	9708049,360	-0,435
A - 11320	392601,008	9708048,933	-0,405
A - 11321	392617,074	9708048,506	-0,385
A - 11322	392633,138	9708048,079	-0,375
A - 11323	392649,191	9708047,653	-0,345
A - 11324	392665,236	9708047,226	-0,345
A - 11325	392681,304	9708046,799	-0,435
A - 11326	392697,344	9708046,373	-0,355
A - 11327	392713,388	9708045,946	-0,325
A - 11328	392729,423	9708045,520	-0,335
A - 11329	392745,415	9708045,095	-0,285
A - 11330	392761,404	9708044,670	-0,305
A - 11331	392777,392	9708044,245	-0,295
A - 11332	392793,378	9708043,820	-0,335
A - 11333	392809,373	9708043,395	-0,305
A - 11334	392825,388	9708042,970	-0,275
A - 11335	392841,424	9708042,543	-0,305
A - 11336	392857,461	9708042,117	-0,275
A - 11337	392873,547	9708041,689	-0,265
A - 11338	392889,634	9708041,262	-0,275
A - 11339	392905,762	9708040,833	-0,315
A - 11340	392921,911	9708040,404	-0,315
A - 11341	392938,031	9708039,976	-0,305
A - 11342	392954,120	9708039,548	-0,305
A - 11343	392970,195	9708039,121	-0,395
A - 11344	392986,233	9708038,694	-0,365

A - 11345	393002,246	9708038,269	-0,345
A - 11346	393018,219	9708037,844	-0,405
A - 11347	393034,127	9708037,421	-0,435
A - 11348	393049,971	9708037,000	-0,435
A - 11349	393065,893	9708036,577	-0,445
A - 11350	393081,835	9708036,153	-0,475
A - 11351	393097,791	9708035,729	-0,515
A - 11352	393113,765	9708035,305	-0,555
A - 11353	393129,757	9708034,880	-0,605
A - 11354	393145,728	9708034,455	-0,635
A - 11355	393161,698	9708034,031	-0,665
A - 11356	393177,667	9708033,606	-0,735
A - 11357	393193,634	9708033,182	-0,815
A - 11358	393209,612	9708032,757	-0,865
A - 11359	393225,574	9708032,333	-0,915
A - 11360	393241,482	9708031,910	-1,005
A - 11361	393257,283	9708031,490	-1,065
A - 11362	393273,070	9708031,070	-1,135
A - 11363	393288,945	9708030,648	-1,225
A - 11364	393304,875	9708030,225	-1,275
A - 11365	393320,810	9708029,801	-1,325
A - 11366	393336,736	9708029,378	-1,375
A - 11367	393352,667	9708028,955	-1,495
A - 11368	393368,565	9708028,532	-1,525
A - 11369	393384,469	9708028,109	-1,595
A - 11370	393400,392	9708027,686	-1,585
A - 11371	393416,341	9708027,262	-1,665
A - 11372	393432,284	9708026,839	-1,665
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A - 11374	393464,138	9708025,992	-1,695
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A - 11376	393495,946	9708025,146	-1,775
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A - 11380	393559,558	9708023,456	-2,135
A - 11381	393575,419	9708023,034	-2,045
A - 11382	393591,302	9708022,612	-1,985
A - 11383	393607,180	9708022,190	-1,905
A - 11384	393623,080	9708021,767	-1,815
A - 11385	393638,974	9708021,345	-1,805
A - 11386	393654,851	9708020,923	-1,725
A - 11387	393670,710	9708020,501	-1,745
A - 11388	393686,534	9708020,081	-1,705
A - 11389	393702,374	9708019,660	-1,735
A - 11390	393718,195	9708019,239	-1,715
A - 11391	393733,994	9708018,819	-1,685
A - 11393	393765,733	9708017,976	-1,715
A - 11394	393781,530	9708017,556	-1,775
A - 11395	393797,398	9708017,134	-1,855
A - 11396	393813,358	9708016,710	-1,835
A - 11397	393829,357	9708016,285	-1,845
A - 11398	393845,363	9708015,859	-1,845
A - 11399	393861,398	9708015,433	-1,875
A - 11400	393877,394	9708015,008	-1,885
A - 11401	393893,342	9708014,584	-1,855
A - 11402	393909,309	9708014,159	-1,875
A - 11403	393925,278	9708013,735	-1,865
A - 11404	393941,238	9708013,311	-1,855
A - 11405	393957,153	9708012,888	-1,955
A - 11406	393973,050	9708012,465	-1,915
A - 11407	393988,963	9708012,042	-1,935
A - 11408	394004,830	9708011,621	-2,105
A - 11409	394020,733	9708011,198	-2,035
A - 11410	394036,643	9708010,775	-2,095
A - 11411	394052,562	9708010,352	-2,255
A - 11412	394068,503	9708009,928	-2,395
A - 11413	394084,481	9708009,503	-2,465
A - 11414	394100,472	9708009,078	-2,565
A - 11415	394116,458	9708008,654	-2,595
A - 11416	394132,449	9708008,228	-2,615
A - 11417	394148,415	9708007,804	-2,575
A - 11418	394164,344	9708007,381	-2,435
A - 11419	394180,246	9708006,958	-2,325
A - 11420	394196,119	9708006,536	-2,145
A - 11421	394212,030	9708006,113	-2,025
A - 11422	394227,895	9708005,692	-1,875
A - 11423	394243,767	9708005,270	-1,825
A - 11424	394259,632	9708004,848	-1,585
A - 11425	394275,523	9708004,426	-1,155
A - 11426	394291,425	9708004,003	-0,555
A - 11427	394307,332	9708003,580	-0,175
A - 11429	394312,969	9708003,430	0,665
A - 11430	394319,258	9708003,263	0,755
A - 11431	394326,778	9708003,063	0,795
A - 11428	394339,190	9708002,733	0,035
A - 11433	394345,005	9708002,579	0,925
A - 11434	394355,841	9708002,291	0,995
A - 11435	394367,388	9708001,984	0,965
A - 11436	394379,436	9708001,664	0,975
A - 11437	394391,812	9708001,335	1,005
A - 11438	394404,305	9708001,003	1,015
A - 11439	394416,800	9708000,671	1,035
A - 11440	394429,314	9708000,338	1,035
A - 11441	394441,899	9708000,003	1,005
A - 11442	394454,531	9707999,668	0,975
A - 11443	394467,207	9707999,331	0,935
A - 11444	394479,949	9707998,992	0,895
A - 11445	394492,646	9707998,655	0,885
A - 11446	394505,341	9707998,317	0,875
A - 11447	394518,100	9707997,978	0,875
A - 11448	394530,876	9707997,638	0,835
A - 11449	394543,669	9707997,298	0,855
A - 11450	394556,493	9707996,958	0,805
A - 11451	394569,335	9707996,616	0,775
A - 11452	394582,046	9707996,278	0,705
A - 11453	394594,740	9707995,941	0,665
A - 11454	394607,511	9707995,602	0,665
A - 11455	394620,251	9707995,263	0,665
A - 11456	394645,793	9707994,584	0,785
A - 11457	394658,602	9707994,244	0,765
A - 11458	394671,435	9707993,902	0,735
A - 11459	394684,220	9707993,563	0,705
A - 11460	394696,910	9707993,225	0,675
A - 11461	394709,589	9707992,888	0,675
A - 11462	394722,263	9707992,551	0,615
A - 11463	394734,987	9707992,213	0,345
A - 11464	394748,130	9707991,864	0,135
A - 11465	394761,730	9707991,502	0,165
A - 11466	394775,577	9707991,134	0,055
A - 11467	394789,589	9707990,762	-0,075
A - 11468	394803,706	9707990,387	-0,035
A - 11469	394817,842	9707990,011	0,095
A - 11470	394832,025	9707989,634	0,205
A - 11471	394846,249	9707989,256	0,185
A - 11472	394860,457	9707988,878	0,165
A - 11473	394874,632	9707988,502	0,185
A - 11474	394888,778	9707988,126	0,155
A - 11475	394902,948	9707987,749	0,075
A - 11476	394917,103	9707987,373	0,055
A - 11477	394931,252	9707986,997	-0,025
A - 11478	394945,402	9707986,621	0,025
A - 11479	394959,597	9707986,243	0,065
A - 11480	394973,504	9707985,874	0,155
A - 11481	394986,900	9707985,518	0,335
A - 11482	394999,699	9707985,177	0,445
A - 11483	395012,079	9707984,848	0,545
A - 11484	395024,615	9707984,515	0,575
A - 11485	395036,861	9707984,190	0,555
A - 11486	395048,440	9707983,882	0,365
A - 11487	395059,569	9707983,586	-0,035
A - 11488	395070,400	9707983,298	-0,615
A - 11489	395081,033	9707983,016	-1,265
A - 11490	395091,226	9707982,745	-1,735
A - 11491	395100,819	9707982,490	-1,785
A - 11492	395143,041	9707981,367	1,105
A - 11493	395148,114	9707981,233	1,365
A - P15D7	395158,995	9707980,943	2,611
A - P15D6 - N	395167,405	9707980,720	3,735
A - S15D	395173,444	9707980,559	4,673
A - P15D5	395178,438	9707980,427	5,200
A - P15D4	395182,243	9707980,325	7,465
A - P15D3	395185,667	9707980,234	10,069
A - P15D2	395188,789	9707980,151	11,163
A - S15DA	395196,743	9707979,940	15,125

PONTO	E	N	COTA
A - S16EA	384144,276	9719040,040	23,041
A - P16E2	384148,296	9719041,019	20,162
A - P16E3	384151,277	9719041,745	18,346
A - P16E4	384153,318	9719042,242	16,308
A - P16E5	384156,203	9719042,945	14,076
A - P16E6	384158,465	9719043,496	11,922
A - P16E7	384162,590	9719044,501	9,038
A - P16E8	384164,754	9719045,028	6,072
A - P16E9	384166,292	9719045,403	3,659
A - P16E10	384169,112	9719046,090	3,535
A - S16E	384170,874	9719046,519	3,321
A - P16E11 -	384173,908	9719047,258	2,969
A - P16E12 -	384177,171	9719048,053	2,568
A - 10255	384179,837	9719048,703	2,169
A - P16E13 -	384181,525	9719049,114	2,081
A - 10256	384186,000	9719050,204	1,859
A - 10257	384191,509	9719051,546	1,509
A - 10258	384197,529	9719053,013	0,969
A - 10259	384203,531	9719054,475	0,749
A - 10260	384209,369	9719055,897	0,589
A - 10261	384215,112	9719057,297	0,549
A - 10262	384220,746	9719058,669	0,439
A - 10263	384226,262	9719060,013	0,399
A - 10264	384231,689	9719061,335	0,329
A - 10265	384237,008	9719062,631	0,259
A - 10266	384242,313	9719063,923	0,259
A - 10267	384247,615	9719065,215	0,239
A - 10268	384252,874	9719066,496	0,219
A - 10269	384258,251	9719067,806	0,199
A - 10270	384263,778	9719069,152	0,119
A - 10271	384269,716	9719070,599	0,079
A - 10272	384275,941	9719072,116	-0,071
A - 10273	384282,408	9719073,691	-0,271
A - 10274	384288,627	9719075,206	-0,531
A - 10275	384294,761	9719076,701	-0,751
A - 10276	384300,903	9719078,197	-0,961
A - 10277	384306,796	9719079,633	-1,161
A - 10278	384312,642	9719081,057	-1,371
A - 10279	384318,542	9719082,494	-1,571
A - 10280	384324,511	9719083,948	-1,771
A - 10281	384330,768	9719085,473	-1,911
A - 10282	384338,218	9719087,288	-2,061
A - 10283	384346,400	9719089,281	-2,201
A - 10284	384354,853	9719091,340	-2,261
A - 10285	384364,170	9719093,610	-2,311
A - 10286	384374,206	9719096,055	-2,371
A - 10287	384384,674	9719098,605	-2,401
A - 10288	384395,303	9719101,195	-2,461
A - 10289	384405,369	9719103,647	-2,511
A - 10290	384415,327	9719106,073	-2,491
A - 10291	384425,482	9719108,547	-2,501
A - 10292	384436,043	9719111,120	-2,501
A - 10293	384446,815	9719113,744	-2,671
A - 10294	384457,851	9719116,433	-2,681
A - 10295	384468,936	9719119,133	-2,621
A - 10296	384479,804	9719121,781	-2,601
A - 10297	384491,183	9719124,553	-2,621
A - 10298	384502,977	9719127,426	-2,641
A - 10299	384515,036	9719130,364	-2,631
A - 10300	384527,360	9719133,367	-2,741
A - 10301	384539,566	9719136,340	-2,691
A - 10302	384551,757	9719139,310	-2,681
A - 10303	384563,886	9719142,265	-2,651
A - 10304	384576,270	9719145,282	-2,691
A - 10305	384588,916	9719148,363	-2,771
A - 10306	384601,864	9719151,517	-2,851
A - 10307	384614,901	9719154,693	-3,051
A - 10308	384627,755	9719157,825	-3,181
A - 10309	384640,572	9719160,947	-3,241
A - 10310	384653,682	9719164,141	-3,511
A - 10311	384666,840	9719167,347	-3,621
A - 10312	384679,949	9719170,540	-3,711
A - 10313	384693,044	9719173,731	-3,791
A - 10314	384705,707	9719176,816	-3,781
A - 10315	384718,089	9719179,832	-3,851
A - 10316	384730,667	9719182,896	-3,741
A - 10317	384743,065	9719185,917	-3,811
A - 10318	384755,537	9719188,955	-3,831
A - 10319	384768,227	9719192,047	-3,811
A - 10320	384781,130	9719195,190	-3,731
A - 10321	384794,245	9719198,385	-3,631
A - 10322	384807,254	9719201,555	-3,631
A - 10323	384820,275	9719204,727	-3,601

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A - 10324	384833,413	9719207,927	-3,541
A - 10325	384846,526	9719211,122	-3,511
A - 10326	384859,899	9719214,380	-3,411
A - 10327	384873,447	9719217,681	-3,351
A - 10328	384887,154	9719221,020	-3,201
A - 10329	384901,043	9719224,403	-3,181
A - 10330	384915,070	9719227,821	-3,161
A - 10331	384929,240	9719231,273	-3,151
A - 10332	384943,686	9719234,792	-3,131
A - 10333	384958,237	9719238,337	-3,081
A - 10334	384972,848	9719241,897	-3,061
A - 10335	384987,532	9719245,474	-3,081
A - 10336	385002,181	9719249,043	-3,071
A - 10337	385016,853	9719252,617	-2,951
A - 10338	385031,597	9719256,209	-3,131
A - 10339	385046,390	9719259,813	-3,201
A - 10340	385061,285	9719263,442	-3,211
A - 10341	385076,206	9719267,077	-3,221
A - 10342	385091,200	9719270,730	-3,281
A - 10343	385106,227	9719274,391	-3,351
A - 10344	385121,232	9719278,046	-3,371
A - 10345	385136,326	9719281,723	-3,331
A - 10346	385151,262	9719285,362	-3,411
A - 10347	385166,075	9719288,971	-3,411
A - 10348	385180,961	9719292,597	-3,401
A - 10349	385195,953	9719296,250	-3,411
A - 10350	385210,985	9719299,912	-3,441
A - 10351	385226,024	9719303,576	-3,431
A - 10352	385241,183	9719307,269	-3,521
A - 10353	385256,338	9719310,961	-3,571
A - 10354	385271,488	9719314,652	-3,541
A - 10355	385286,602	9719318,334	-3,521
A - 10356	385301,707	9719322,014	-3,661
A - 10357	385316,795	9719325,689	-3,661
A - 10358	385331,901	9719329,370	-3,781
A - 10359	385347,029	9719333,055	-3,811
A - 10360	385362,156	9719336,740	-3,871
A - 10361	385377,285	9719340,426	-3,881
A - 10362	385392,430	9719344,116	-3,931
A - 10363	385407,586	9719347,808	-4,071
A - 10364	385422,745	9719351,501	-4,081
A - 10365	385437,911	9719355,196	-4,111
A - 10366	385453,086	9719358,893	-4,111
A - 10367	385468,275	9719362,593	-4,091
A - 10368	385483,440	9719366,287	-3,951
A - 10369	385498,597	9719369,980	-4,081
A - 10370	385513,738	9719373,669	-4,121
A - 10371	385528,903	9719377,363	-4,061
A - 10372	385544,123	9719381,071	-4,111
A - 10373	385559,330	9719384,776	-4,231
A - 10374	385574,388	9719388,444	-4,311
A - 10375	385589,179	9719392,048	-4,311
A - 10376	385603,834	9719395,618	-4,301
A - 10377	385618,772	9719399,257	-4,361
A - 10378	385633,806	9719402,920	-4,351
A - 10379	385648,910	9719406,599	-4,351
A - 10380	385664,030	9719410,283	-4,351
A - 10381	385679,150	9719413,967	-4,371
A - 10382	385694,245	9719417,644	-4,371
A - 10383	385709,316	9719421,315	-4,381
A - 10384	385724,414	9719424,994	-4,401
A - 10385	385739,473	9719428,662	-4,381
A - 10386	385754,423	9719432,304	-4,411
A - 10387	385769,495	9719435,976	-4,491
A - 10388	385784,607	9719439,658	-4,481
A - 10389	385799,755	9719443,348	-4,551
A - 10390	385814,920	9719447,043	-4,521
A - 10391	385830,095	9719450,740	-4,551
A - 10392	385845,254	9719454,433	-4,531
A - 10393	385860,429	9719458,130	-4,571
A - 10394	385875,623	9719461,831	-4,491
A - 10395	385890,675	9719465,498	-4,471
A - 10396	385905,702	9719469,159	-4,481
A - 10397	385920,714	9719472,816	-4,461
A - 10398	385935,797	9719476,491	-4,331
A - 10399	385950,948	9719480,182	-4,451
A - 10400	385966,127	9719483,880	-4,441
A - 10401	385981,299	9719487,576	-4,551
A - 10402	385996,250	9719491,219	-4,641
A - 10403	386011,309	9719494,887	-4,591
A - 10404	386026,408	9719498,566	-4,501
A - 10405	386041,511	9719502,245	-4,561
A - 10406	386056,604	9719505,922	-4,651

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A - 10407	386071,716	9719509,604	-4,451
A - 10408	386086,834	9719513,287	-4,581
A - 10409	386101,900	9719516,957	-4,641
A - 10410	386116,839	9719520,597	-4,741
A - 10411	386131,793	9719524,240	-4,791
A - 10412	386146,860	9719527,910	-4,931
A - 10413	386161,977	9719531,593	-4,911
A - 10414	386177,093	9719535,276	-4,901
A - 10415	386192,244	9719538,967	-5,041
A - 10416	386207,430	9719542,666	-5,191
A - 10417	386222,322	9719546,294	-5,211
A - 10418	386237,048	9719549,882	-5,261
A - 10419	386251,737	9719553,461	-5,271
A - 10420	386266,696	9719557,105	-5,401
A - 10421	386281,729	9719560,767	-5,351
A - 10422	386296,793	9719564,437	-5,431
A - 10423	386311,915	9719568,121	-5,541
A - 10424	386327,080	9719571,816	-5,591
A - 10425	386342,303	9719575,524	-5,691
A - 10426	386357,488	9719579,224	-5,711
A - 10427	386372,670	9719582,922	-5,801
A - 10428	386387,869	9719586,625	-5,801
A - 10429	386403,093	9719590,334	-6,011
A - 10430	386418,310	9719594,041	-5,911
A - 10431	386433,556	9719597,755	-5,961
A - 10432	386448,785	9719601,465	-6,031
A - 10433	386463,903	9719605,149	-5,961
A - 10434	386478,942	9719608,812	-5,901
A - 10435	386494,135	9719612,514	-5,911
A - 10436	386509,354	9719616,221	-5,961
A - 10437	386524,578	9719619,930	-5,961
A - 10438	386539,805	9719623,640	-5,891
A - 10439	386555,083	9719627,362	-5,971
A - 10440	386570,339	9719631,079	-5,961
A - 10441	386585,480	9719634,767	-5,941
A - 10442	386600,453	9719638,415	-6,041
A - 10443	386615,112	9719641,986	-6,121
A - 10444	386629,839	9719645,574	-6,111
A - 10445	386644,812	9719649,222	-6,181
A - 10446	386659,991	9719652,920	-6,311
A - 10447	386675,256	9719656,638	-6,261
A - 10448	386690,525	9719660,358	-6,281
A - 10449	386705,797	9719664,079	-6,261
A - 10450	386721,087	9719667,804	-6,281
A - 10451	386736,394	9719671,533	-6,271
A - 10452	386751,665	9719675,253	-6,261
A - 10453	386766,952	9719678,978	-6,311
A - 10454	386782,296	9719682,716	-6,491
A - 10455	386797,569	9719686,436	-6,461
A - 10456	386812,738	9719690,132	-6,441
A - 10457	386827,909	9719693,828	-6,591
A - 10458	386843,142	9719697,539	-6,611
A - 10459	386858,383	9719701,252	-6,701
A - 10460	386873,638	9719704,968	-6,711
A - 10461	386888,930	9719708,694	-6,851
A - 10462	386904,266	9719712,430	-6,971
A - 10463	386919,660	9719716,180	-7,041
A - 10464	386935,014	9719719,921	-7,051
A - 10465	386950,319	9719723,650	-7,131
A - 10466	386965,641	9719727,382	-7,331
A - 10467	386980,958	9719731,114	-7,371
A - 10468	386996,282	9719734,847	-7,411
A - 10469	387011,601	9719738,579	-7,471
A - 10470	387026,904	9719742,307	-7,521
A - 10471	387042,191	9719746,031	-7,531
A - 10472	387057,475	9719749,755	-7,461
A - 10473	387072,753	9719753,477	-7,501
A - 10474	387088,021	9719757,197	-7,391
A - 10475	387103,282	9719760,915	-7,401
A - 10476	387118,560	9719764,637	-7,251
A - 10477	387133,859	9719768,364	-7,111
A - 10478	387149,172	9719772,094	-6,871
A - 10479	387164,465	9719775,820	-6,521
A - 10480	387179,757	9719779,545	-6,371
A - 10481	387195,042	9719783,269	-6,031
A - 10482	387210,335	9719786,995	-6,031
A - 10483	387225,614	9719790,717	-5,751
A - 10484	387240,873	9719794,435	-5,561
A - 10485	387256,156	9719798,158	-5,351
A - 10486	387271,465	9719801,887	-5,191
A - 10487	387286,793	9719805,622	-5,041
A - 10488	387302,152	9719809,363	-4,851
A - 10489	387317,531	9719813,110	-4,511

A - 10490	387332,924	9719816,860	-4,341
A - 10491	387348,295	9719820,605	-4,241
A - 10492	387363,638	9719824,342	-4,041
A - 10493	387378,968	9719828,077	-3,851
A - 10494	387394,316	9719831,817	-3,631
A - 10495	387409,684	9719835,560	-3,471
A - 10496	387425,046	9719839,303	-3,351
A - 10497	387440,410	9719843,046	-3,191
A - 10498	387455,745	9719846,782	-2,981
A - 10499	387471,081	9719850,518	-2,881
A - 10500	387486,426	9719854,256	-2,851
A - 10501	387501,741	9719857,987	-2,761
A - 10502	387517,052	9719861,717	-2,691
A - 10503	387532,385	9719865,453	-2,641
A - 10504	387547,719	9719869,189	-2,521
A - 10505	387563,065	9719872,927	-2,511
A - 10506	387578,411	9719876,666	-2,321
A - 10507	387593,740	9719880,400	-2,241
A - 10508	387609,131	9719884,150	-2,191
A - 10509	387624,576	9719887,912	-2,141
A - 10510	387640,037	9719891,679	-2,001
A - 10511	387655,473	9719895,440	-1,961
A - 10512	387670,906	9719899,200	-1,911
A - 10513	387686,332	9719902,958	-1,881
A - 10514	387701,744	9719906,712	-1,841
A - 10515	387717,172	9719910,471	-1,821
A - 10516	387732,593	9719914,228	-1,801
A - 10517	387748,012	9719917,984	-1,761
A - 10518	387763,451	9719921,745	-1,751
A - 10519	387778,901	9719925,509	-1,781
A - 10520	387794,375	9719929,279	-1,791
A - 10521	387809,836	9719933,046	-1,761
A - 10522	387825,295	9719936,812	-1,711
A - 10523	387840,761	9719940,580	-1,761
A - 10524	387856,248	9719944,353	-1,741
A - 10525	387871,674	9719948,111	-1,731
A - 10526	387887,059	9719951,859	-1,741
A - 10527	387902,444	9719955,607	-1,801
A - 10528	387917,825	9719959,354	-1,791
A - 10529	387933,196	9719963,099	-1,761
A - 10530	387948,582	9719966,847	-1,801
A - 10531	387963,967	9719970,595	-1,851
A - 10532	387979,384	9719974,351	-1,821
A - 10533	387994,805	9719978,108	-1,801
A - 10534	388010,187	9719981,855	-1,821
A - 10535	388025,555	9719985,599	-2,071
A - 10536	388040,937	9719989,347	-1,931
A - 10537	388056,314	9719993,093	-1,891
A - 10538	388071,750	9719996,853	-1,901
A - 10539	388087,213	9720000,620	-1,911
A - 10540	388102,663	9720004,384	-1,901
A - 10541	388118,094	9720008,144	-1,921
A - 10542	388133,611	9720011,924	-1,971
A - 10543	388149,146	9720015,709	-1,961
A - 10544	388164,658	9720019,488	-1,971
A - 10545	388180,115	9720023,253	-1,961
A - 10546	388195,529	9720027,008	-1,961
A - 10547	388210,944	9720030,764	-1,981
A - 10548	388226,418	9720034,534	-1,951
A - 10549	388241,869	9720038,298	-1,981
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A - 10551	388272,730	9720045,816	-1,991
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A - 10553	388303,526	9720053,319	-2,181
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A - 10556	388349,835	9720064,601	-2,111
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A - 10559	388396,326	9720075,927	-2,111
A - 10560	388411,825	9720079,703	-2,091
A - 10561	388427,297	9720083,472	-2,171
A - 10562	388442,765	9720087,240	-2,161
A - 10563	388458,214	9720091,004	-2,161
A - 10564	388473,593	9720094,751	-2,191
A - 10565	388488,931	9720098,487	-2,211
A - 10566	388504,290	9720102,229	-2,221
A - 10567	388519,670	9720105,976	-2,201
A - 10568	388535,027	9720109,717	-2,211
A - 10569	388550,439	9720113,472	-2,231
A - 10570	388565,883	9720117,234	-2,251
A - 10571	388581,356	9720121,004	-2,311
A - 10572	388596,827	9720124,773	-2,281
A - 10573	388612,327	9720128,549	-2,311
A - 10574	388627,777	9720132,313	-2,371
A - 10575	388643,244	9720136,081	-2,351
A - 10576	388658,722	9720139,852	-2,401
A - 10577	388674,211	9720143,625	-2,391
A - 10578	388689,700	9720147,399	-2,431
A - 10579	388705,134	9720151,159	-2,471
A - 10580	388720,460	9720154,893	-2,491
A - 10581	388735,733	9720158,613	-2,451
A - 10582	388750,991	9720162,331	-2,471
A - 10583	388766,313	9720166,063	-2,471
A - 10584	388781,706	9720169,813	-2,441
A - 10585	388797,166	9720173,580	-2,461
A - 10586	388812,655	9720177,353	-2,471
A - 10587	388828,049	9720181,103	-2,471
A - 10588	388843,418	9720184,848	-2,471
A - 10589	388858,841	9720188,605	-2,521
A - 10590	388874,314	9720192,375	-2,551
A - 10591	388889,827	9720196,154	-2,551
A - 10592	388905,323	9720199,929	-2,561
A - 10593	388920,765	9720203,691	-2,551
A - 10594	388936,182	9720207,447	-2,581
A - 10595	388951,625	9720211,209	-2,511
A - 10596	388967,051	9720214,967	-2,481
A - 10597	388982,464	9720218,722	-2,491
A - 10598	388997,926	9720222,489	-2,501
A - 10599	389013,363	9720226,250	-2,461
A - 10600	389028,816	9720230,014	-2,431
A - 10601	389044,239	9720233,772	-2,451
A - 10602	389059,651	9720237,526	-2,431
A - 10603	389075,063	9720241,281	-2,421
A - 10604	389090,473	9720245,035	-2,421
A - 10605	389105,888	9720248,791	-2,491
A - 10606	389121,312	9720252,548	-2,431
A - 10607	389136,761	9720256,312	-2,391
A - 10608	389152,211	9720260,076	-2,391
A - 10609	389167,674	9720263,843	-2,401
A - 10610	389183,162	9720267,616	-2,371
A - 10611	389198,650	9720271,390	-2,361
A - 10612	389214,096	9720275,152	-2,321
A - 10613	389229,502	9720278,906	-2,341
A - 10614	389244,896	9720282,656	-2,381
A - 10615	389260,336	9720286,418	-2,421
A - 10616	389275,820	9720290,190	-2,381
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A - 10621	389352,897	9720308,967	-2,391
A - 10622	389368,348	9720312,732	-2,371
A - 10623	389383,758	9720316,486	-2,381
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A - 10625	389414,591	9720323,997	-2,431
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A - 10628	389460,873	9720335,273	-2,481
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A - 10637	389599,732	9720369,101	-2,581
A - 10638	389615,184	9720372,866	-2,571
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A - 10674	390171,480	9720508,391	-3,181
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A - 10676	390202,362	9720515,915	-3,101
A - 10677	390217,795	9720519,674	-3,091
A - 10678	390233,226	9720523,434	-3,101
A - 10679	390248,654	9720527,192	-3,051
A - 10680	390264,068	9720530,947	-3,081
A - 10681	390279,466	9720534,699	-3,051
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A - 10683	390310,308	9720542,212	-3,141
A - 10684	390325,788	9720545,984	-3,111
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A - 10686	390356,805	9720553,540	-3,111
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A - 10688	390387,788	9720561,088	-3,061
A - 10689	390403,234	9720564,851	-3,061
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A - 10691	390433,899	9720572,322	-3,061
A - 10692	390449,234	9720576,058	-3,081
A - 10693	390464,590	9720579,799	-3,121
A - 10694	390479,975	9720583,547	-3,041
A - 10695	390495,396	9720587,304	-3,071
A - 10696	390510,834	9720591,065	-3,051
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A - 10698	390541,753	9720598,597	-3,091
A - 10699	390557,133	9720602,344	-3,011
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A - 10701	390587,887	9720609,836	-3,161
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A - 10703	390618,708	9720617,345	-3,161
A - 10704	390634,143	9720621,105	-3,331
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A - 10709	390711,039	9720639,839	-3,441
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A - 10712	390757,035	9720651,044	-3,541
A - 10713	390772,480	9720654,807	-3,631
A - 10714	390787,962	9720658,579	-3,611
A - 10715	390803,355	9720662,329	-3,661
A - 10716	390818,770	9720666,084	-3,651
A - 10717	390834,149	9720669,831	-3,751
A - 10718	390849,551	9720673,583	-3,731
A - 10719	390864,913	9720677,326	-3,561
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A - 10723	390926,547	9720692,341	-3,771
A - 10724	390941,953	9720696,094	-3,891
A - 10725	390957,319	9720699,838	-4,021
A - 10726	390972,691	9720703,583	-4,081
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A - 10728	391003,510	9720711,091	-4,151
A - 10729	391018,885	9720714,836	-4,271
A - 10730	391034,283	9720718,588	-4,331
A - 10731	391049,682	9720722,339	-4,451
A - 10732	391065,024	9720726,077	-4,521
A - 10733	391080,246	9720729,785	-4,591
A - 10734	391095,505	9720733,503	-4,751
A - 10735	391110,799	9720737,229	-4,721
A - 10736	391126,132	9720740,964	-4,801
A - 10737	391141,520	9720744,713	-4,901
A - 10738	391156,844	9720748,446	-5,091
A - 10739	391172,213	9720752,190	-5,111
A - 10740	391187,550	9720755,927	-5,351
A - 10741	391202,895	9720759,665	-5,551

A - 10742	391218,226	9720763,400	-5,621
A - 10743	391233,473	9720767,114	-5,731
A - 10744	391248,696	9720770,823	-5,881
A - 10745	391263,932	9720774,535	-6,041
A - 10746	391279,163	9720778,245	-6,131
A - 10747	391294,425	9720781,964	-6,351
A - 10748	391309,722	9720785,690	-6,411
A - 10749	391325,049	9720789,424	-6,581
A - 10750	391340,429	9720793,171	-6,571
A - 10751	391355,825	9720796,922	-6,861
A - 10752	391371,177	9720800,662	-6,871
A - 10753	391386,521	9720804,400	-6,911
A - 10754	391401,907	9720808,149	-6,881
A - 10755	391417,221	9720811,879	-7,001
A - 10756	391432,530	9720815,609	-7,101
A - 10757	391447,876	9720819,348	-7,271
A - 10758	391463,182	9720823,076	-7,441
A - 10759	391478,475	9720826,802	-7,571
A - 10760	391493,763	9720830,527	-7,571
A - 10761	391509,042	9720834,249	-7,661
A - 10762	391524,325	9720837,972	-7,721
A - 10763	391539,617	9720841,697	-7,721
A - 10764	391554,904	9720845,422	-7,781
A - 10765	391570,182	9720849,144	-7,961
A - 10766	391585,490	9720852,873	-8,001
A - 10767	391600,820	9720856,608	-7,781
A - 10768	391616,105	9720860,332	-7,541
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A - 10770	391646,595	9720867,759	-7,471
A - 10771	391661,815	9720871,467	-7,571
A - 10772	391676,995	9720875,166	-7,771
A - 10773	391692,130	9720878,853	-8,021
A - 10774	391707,227	9720882,531	-8,011
A - 10775	391722,401	9720886,228	-7,991
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A - 10777	391752,942	9720893,668	-8,161
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A - 10779	391783,591	9720901,135	-8,561
A - 10780	391798,922	9720904,870	-8,761
A - 10781	391814,211	9720908,594	-8,851
A - 10782	391829,517	9720912,323	-8,851
A - 10783	391844,783	9720916,042	-8,901
A - 10784	391858,865	9720919,473	-8,931
A - 10785	391869,724	9720922,118	-8,991
A - 10786	391879,921	9720924,603	-9,251
A - 10787	391890,337	9720927,140	-9,221
A - 10788	391901,635	9720929,893	-9,281
A - 10789	391913,676	9720932,826	-9,291
A - 10790	391926,263	9720935,892	-9,251
A - 10791	391939,419	9720939,098	-9,281
A - 10792	391953,023	9720942,412	-9,291
A - 10793	391966,925	9720945,798	-9,301
A - 10794	391981,009	9720949,230	-9,391
A - 10795	391995,114	9720952,666	-9,471
A - 10796	392009,187	9720956,095	-9,211
A - 10797	392023,537	9720959,590	-9,111
A - 10798	392038,059	9720963,128	-9,281
A - 10799	392052,654	9720966,684	-9,391
A - 10800	392067,315	9720970,256	-9,441
A - 10801	392081,974	9720973,827	-9,481
A - 10802	392096,611	9720977,393	-9,281
A - 10803	392111,275	9720980,965	-9,441
A - 10804	392125,945	9720984,539	-9,541
A - 10805	392140,624	9720988,115	-9,611
A - 10806	392155,307	9720991,692	-9,471
A - 10807	392169,982	9720995,268	-9,511
A - 10808	392184,633	9720998,837	-9,361
A - 10809	392199,265	9721002,401	-8,961
A - 10810	392213,870	9721005,959	-8,541
A - 10811	392228,551	9721009,536	-8,351
A - 10812	392243,260	9721013,120	-8,381
A - 10813	392257,965	9721016,702	-8,281
A - 10814	392272,695	9721020,290	-8,101
A - 10815	392287,415	9721023,877	-7,961
A - 10816	392302,108	9721027,456	-8,131
A - 10817	392316,807	9721031,037	-8,281
A - 10818	392331,485	9721034,613	-8,401
A - 10819	392346,146	9721038,185	-8,521
A - 10820	392360,795	9721041,754	-8,461
A - 10821	392375,448	9721045,323	-8,361
A - 10822	392390,075	9721048,887	-8,241
A - 10823	392404,719	9721052,454	-7,811
A - 10824	392419,344	9721056,017	-7,521
A - 10825	392433,907	9721059,565	-7,021
A - 10826	392448,438	9721063,105	-6,501
A - 10827	392462,649	9721066,567	-6,101
A - 10828	392474,636	9721069,487	-5,641
A - 10829	392485,934	9721072,240	-4,851
A - 10830	392497,520	9721075,062	-4,171
A - 10831	392509,267	9721077,924	-3,521
A - 10832	392521,332	9721080,864	-2,951
A - 10833	392533,625	9721083,859	-2,111
A - 10834	392546,210	9721086,925	-1,431
A - 10835	392558,657	9721089,957	-1,031
A - 10836	392569,896	9721092,695	-0,571
A - 10837	392578,852	9721094,877	-0,291
A - 10838	392586,911	9721096,840	-0,051
A - 10839	392595,612	9721098,960	0,119
A - 10840	392605,140	9721101,281	0,209
A - 10841	392614,753	9721103,623	0,309
A - 10842	392624,384	9721105,969	0,369
A - 10843	392633,521	9721108,195	0,489
A - 10844	392639,705	9721109,702	0,509
A - 10845	392644,921	9721110,972	0,509
A - 10846	392651,277	9721112,521	0,469
A - 10847	392658,605	9721114,306	0,449
A - 10848	392666,569	9721116,246	0,449
A - 10849	392674,115	9721118,085	0,479
A - 10850	392680,814	9721119,717	0,529
A - 10851	392686,835	9721121,184	0,559
A - 10852	392692,421	9721122,544	0,579
A - 10853	392697,766	9721123,847	0,639
A - 10854	392703,096	9721125,145	0,679
A - 10855	392708,349	9721126,425	0,709
A - P16D9 - SU	392733,009	9721132,433	2,839
A - P16D8 - N	392738,636	9721133,803	3,581
A - P16D7	392744,330	9721135,190	4,637
A - P16D6	392745,997	9721135,597	6,924
A - S16D	392747,006	9721135,842	7,115
A - P16D5	392749,891	9721136,545	7,184
A - P16D4	392753,211	9721137,354	7,161
A - P16D3	392759,869	9721138,976	7,331
A - P16D2	392766,894	9721140,688	7,048
A - P16D1	392772,505	9721142,055	7,221
A - S16DA	392778,433	9721143,499	7,274

PONTO	E	N	COTA
A - P17E13	378879,039	9725020,976	24,140
A - P17E12	378883,899	9725023,226	19,530
A - P17E11	378887,841	9725025,050	16,450
A - P17E10	378891,356	9725026,677	12,700
A - P17E9	378895,153	9725028,434	9,130
A - P17E8	378899,024	9725030,226	6,130
A - P17E7	378907,508	9725034,152	5,110
A - S17EA	378912,064	9725036,261	4,867
A - P17E6	378916,912	9725038,505	4,570
A - P17E5	378922,767	9725041,215	3,880
A - P17E2 - NA	378927,453	9725043,384	3,490
A - P17E3 - SU	378931,176	9725045,107	3,100
A - P17E4 - SU	378935,380	9725047,053	2,870
A - 9492	378938,658	9725048,570	2,380
A - 9493	378945,086	9725051,545	2,120
A - 9494	378949,131	9725053,417	2,010
A - 9495	378953,207	9725055,304	1,930
A - 9496	378957,209	9725057,156	1,860
A - 9497	378961,155	9725058,982	1,820
A - 9498	378965,047	9725060,784	1,750
A - 9499	378968,869	9725062,553	1,760
A - 9500	378975,843	9725065,781	1,770
A - 9501	378983,177	9725069,175	1,750
A - 9502	378987,728	9725071,281	1,760
A - 9503	378992,691	9725073,578	1,780
A - 9504	378997,544	9725075,825	1,780
A - 9505	379003,000	9725078,350	1,740
A - 9506	379008,698	9725080,987	1,680
A - 9507	379014,773	9725083,799	1,700
A - 9508	379020,923	9725086,645	1,690
A - 9509	379026,847	9725089,388	1,640
A - 9510	379032,592	9725092,046	1,610
A - 9511	379038,660	9725094,855	1,610
A - 9512	379045,124	9725097,847	1,620
A - 9513	379051,685	9725100,883	1,590
A - 9514	379057,938	9725103,778	1,600
A - 9515	379063,843	9725106,511	1,610
A - 9516	379069,648	9725109,197	1,520
A - 9517	379075,501	9725111,906	1,510
A - 9518	379081,899	9725114,868	1,520
A - 9519	379089,047	9725118,176	1,510
A - 9520	379096,630	9725121,686	1,510
A - 9521	379104,459	9725125,309	1,490
A - 9522	379112,573	9725129,064	1,490
A - 9523	379121,225	9725133,069	1,480
A - 9524	379130,566	9725137,392	1,500
A - 9525	379140,597	9725142,035	1,460
A - 9526	379151,141	9725146,915	1,470
A - 9527	379162,046	9725151,963	1,470
A - 9528	379173,201	9725157,126	1,490
A - 9529	379184,551	9725162,379	1,430
A - 9530	379196,001	9725167,679	1,420
A - 9531	379207,511	9725173,005	1,410
A - 9532	379219,073	9725178,357	1,400
A - 9533	379230,685	9725183,731	1,400
A - 9534	379242,324	9725189,118	1,400
A - 9535	379254,016	9725194,530	1,320
A - 9536	379265,712	9725199,944	1,280
A - 9537	379277,403	9725205,354	1,280
A - 9538	379288,992	9725210,718	1,240
A - 9539	379300,626	9725216,103	1,210
A - 9540	379312,321	9725221,516	1,200
A - 9541	379324,040	9725226,940	1,190
A - 9542	379335,766	9725232,367	1,190
A - 9543	379347,490	9725237,793	1,020
A - 9544	379359,218	9725243,221	0,980
A - 9545	379370,967	9725248,659	0,980
A - 9546	379382,723	9725254,101	0,990
A - 9547	379394,473	9725259,539	0,980
A - 9548	379406,252	9725264,991	1,050
A - 9549	379418,045	9725270,449	1,080
A - 9550	379429,867	9725275,921	1,040
A - 9551	379441,698	9725281,397	1,040
A - 9552	379453,546	9725286,880	1,020
A - 9553	379465,391	9725292,363	1,020
A - 9554	379477,331	9725297,889	0,960
A - 9555	379489,680	9725303,604	0,960
A - 9556	379502,307	9725309,449	0,920
A - 9557	379515,088	9725315,364	0,920
A - 9558	379527,956	9725321,320	0,940
A - 9559	379540,867	9725327,296	0,960
A - 9560	379553,853	9725333,306	0,970
A - 9561	379566,852	9725339,323	0,930

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A - 9562	379579,777	9725345,305	0,920
A - 9563	379592,748	9725351,308	0,890
A - 9564	379605,755	9725357,328	0,850
A - 9565	379618,753	9725363,344	0,860
A - 9566	379631,766	9725369,367	0,850
A - 9567	379644,770	9725375,386	0,800
A - 9568	379657,781	9725381,408	0,770
A - 9569	379670,798	9725387,433	0,720
A - 9570	379683,750	9725393,427	0,630
A - 9571	379696,671	9725399,408	0,360
A - 9572	379709,553	9725405,370	0,360
A - 9573	379722,464	9725411,346	0,370
A - 9574	379735,400	9725417,333	0,400
A - 9575	379748,355	9725423,329	0,470
A - 9576	379761,337	9725429,338	0,550
A - 9577	379774,327	9725435,350	0,610
A - 9578	379787,323	9725441,365	0,630
A - 9579	379800,302	9725447,372	0,630
A - 9580	379813,296	9725453,387	0,630
A - 9581	379826,298	9725459,404	0,600
A - 9582	379839,266	9725465,407	0,560
A - 9583	379852,223	9725471,403	0,550
A - 9584	379865,212	9725477,415	0,550
A - 9585	379878,401	9725483,520	0,390
A - 9586	379891,706	9725489,678	0,350
A - 9587	379905,209	9725495,927	0,220
A - 9588	379918,811	9725502,223	0,140
A - 9589	379932,492	9725508,555	0,020
A - 9590	379946,210	9725514,904	-0,140
A - 9591	379959,934	9725521,256	-0,220
A - 9592	379973,664	9725527,611	-0,400
A - 9593	379987,404	9725533,970	-0,650
A - 9594	380001,160	9725540,337	-0,760
A - 9595	380014,921	9725546,706	-0,890
A - 9596	380028,669	9725553,070	-1,020
A - 9597	380042,411	9725559,430	-1,100
A - 9598	380056,112	9725565,771	-1,170
A - 9599	380069,731	9725572,075	-1,210
A - 9600	380083,342	9725578,374	-1,180
A - 9601	380096,990	9725584,691	-1,160
A - 9602	380110,646	9725591,012	-1,190
A - 9603	380124,296	9725597,330	-1,140
A - 9604	380137,953	9725603,650	-1,070
A - 9605	380151,616	9725609,974	-0,970
A - 9606	380165,253	9725616,286	-0,880
A - 9607	380178,904	9725622,604	-0,860
A - 9608	380192,533	9725628,912	-0,800
A - 9609	380206,176	9725635,227	-0,780
A - 9610	380219,810	9725641,537	-0,770
A - 9611	380233,416	9725647,834	-0,750
A - 9612	380247,021	9725654,131	-0,730
A - 9613	380260,644	9725660,436	-0,790
A - 9614	380274,281	9725666,748	-0,780
A - 9615	380287,919	9725673,061	-0,800
A - 9616	380301,558	9725679,373	-0,900
A - 9617	380315,209	9725685,691	-0,960
A - 9618	380328,837	9725691,999	-1,060
A - 9619	380342,494	9725698,320	-1,150
A - 9620	380356,192	9725704,660	-1,230
A - 9621	380369,943	9725711,024	-1,360
A - 9622	380383,729	9725717,405	-1,550
A - 9623	380397,526	9725723,791	-1,680
A - 9624	380411,320	9725730,175	-1,880
A - 9625	380425,075	9725736,541	-2,070
A - 9626	380438,819	9725742,903	-2,260
A - 9627	380452,513	9725749,241	-2,270
A - 9628	380466,194	9725755,573	-2,330
A - 9629	380479,876	9725761,906	-2,460
A - 9630	380493,543	9725768,231	-2,620
A - 9631	380507,222	9725774,562	-2,720
A - 9632	380520,917	9725780,901	-2,830
A - 9633	380534,656	9725787,260	-2,920
A - 9634	380548,396	9725793,619	-2,900
A - 9635	380562,130	9725799,976	-2,960
A - 9636	380575,836	9725806,320	-2,900
A - 9637	380589,563	9725812,673	-2,900
A - 9638	380603,297	9725819,030	-2,940
A - 9639	380617,041	9725825,391	-2,840
A - 9640	380630,773	9725831,746	-2,790
A - 9641	380644,516	9725838,108	-2,830
A - 9642	380658,280	9725844,478	-2,690
A - 9643	380672,037	9725850,845	-2,580
A - 9644	380685,783	9725857,207	-2,550

PONTO	E	N	COTA
A - 9645	380699,574	9725863,590	-2,490
A - 9646	380713,357	9725869,970	-2,360
A - 9647	380727,117	9725876,338	-2,280
A - 9648	380740,870	9725882,704	-2,240
A - 9649	380754,655	9725889,084	-2,110
A - 9650	380768,428	9725895,459	-2,010
A - 9651	380782,189	9725901,828	-1,960
A - 9652	380795,938	9725908,191	-1,870
A - 9653	380809,702	9725914,562	-1,810
A - 9654	380823,462	9725920,931	-1,750
A - 9655	380837,237	9725927,306	-1,700
A - 9656	380851,040	9725933,695	-1,610
A - 9657	380864,845	9725940,084	-1,550
A - 9658	380878,624	9725946,462	-1,510
A - 9659	380892,399	9725952,837	-1,460
A - 9660	380906,181	9725959,216	-1,460
A - 9661	380919,979	9725965,602	-1,390
A - 9662	380933,799	9725971,999	-1,390
A - 9663	380947,581	9725978,378	-1,430
A - 9664	380961,305	9725984,730	-1,370
A - 9665	380975,037	9725991,085	-1,360
A - 9666	380988,811	9725997,461	-1,300
A - 9667	381002,585	9726003,836	-1,200
A - 9668	381016,350	9726010,207	-1,190
A - 9669	381030,144	9726016,591	-1,200
A - 9670	381043,953	9726022,982	-1,090
A - 9671	381057,753	9726029,369	-1,070
A - 9672	381071,517	9726035,740	-1,020
A - 9673	381085,259	9726042,100	-1,020
A - 9674	381098,962	9726048,443	-1,040
A - 9675	381112,707	9726054,804	-0,970
A - 9676	381126,469	9726061,174	-0,960
A - 9677	381140,234	9726067,545	-0,890
A - 9678	381154,000	9726073,916	-0,900
A - 9679	381167,799	9726080,303	-0,890
A - 9680	381181,619	9726086,700	-0,780
A - 9681	381195,460	9726093,106	-0,750
A - 9682	381209,291	9726099,507	-0,750
A - 9683	381223,104	9726105,901	-0,750
A - 9684	381236,864	9726112,269	-0,730
A - 9685	381250,601	9726118,627	-0,660
A - 9686	381264,331	9726124,982	-0,620
A - 9687	381278,050	9726131,332	-0,620
A - 9688	381291,797	9726137,694	-0,570
A - 9689	381305,511	9726144,042	-0,540
A - 9690	381319,242	9726150,397	-0,500
A - 9691	381333,001	9726156,765	-0,510
A - 9692	381346,742	9726163,125	-0,500
A - 9693	381360,534	9726169,508	-0,460
A - 9694	381374,303	9726175,881	-0,470
A - 9695	381388,056	9726182,247	-0,420
A - 9696	381401,793	9726188,605	-0,410
A - 9697	381415,467	9726194,934	-0,430
A - 9698	381429,092	9726201,240	-0,410
A - 9699	381442,777	9726207,574	-0,410
A - 9700	381456,524	9726213,936	-0,440
A - 9701	381470,305	9726220,315	-0,420
A - 9702	381484,109	9726226,704	-0,450
A - 9703	381497,934	9726233,102	-0,390
A - 9704	381511,771	9726239,507	-0,380
A - 9705	381525,592	9726245,904	-0,370
A - 9706	381539,387	9726252,289	-0,400
A - 9707	381553,190	9726258,677	-0,410
A - 9708	381566,982	9726265,061	-0,390
A - 9709	381580,766	9726271,440	-0,370
A - 9710	381594,580	9726277,834	-0,340
A - 9711	381608,361	9726284,213	-0,350
A - 9712	381622,150	9726290,594	-0,360
A - 9713	381635,964	9726296,988	-0,340
A - 9714	381649,787	9726303,386	-0,380
A - 9715	381663,627	9726309,792	-0,350
A - 9716	381677,472	9726316,199	-0,270
A - 9717	381691,313	9726322,606	-0,310
A - 9718	381705,142	9726329,006	-0,310
A - 9719	381718,950	9726335,397	-0,250
A - 9720	381732,730	9726341,775	-0,190
A - 9721	381746,484	9726348,141	-0,210
A - 9722	381760,224	9726354,500	-0,200
A - 9723	381773,968	9726360,862	-0,230
A - 9724	381787,743	9726367,237	-0,170
A - 9725	381801,480	9726373,595	-0,140
A - 9726	381815,017	9726379,861	-0,120
A - 9727	381828,706	9726386,197	-0,160

A - 9728	381842,451	9726392,558	-0,100
A - 9729	381856,246	9726398,943	-0,110
A - 9730	381870,049	9726405,332	-0,110
A - 9731	381883,849	9726411,719	-0,040
A - 9732	381897,660	9726418,111	0,010
A - 9733	381911,494	9726424,514	0,020
A - 9734	381925,324	9726430,915	-0,020
A - 9735	381939,143	9726437,311	0,030
A - 9736	381952,994	9726443,722	0,030
A - 9737	381966,864	9726450,141	0,060
A - 9738	381980,691	9726456,541	0,070
A - 9739	381994,529	9726462,946	0,110
A - 9740	382008,341	9726469,339	0,050
A - 9741	382022,168	9726475,738	0,080
A - 9742	382036,008	9726482,144	0,150
A - 9743	382049,839	9726488,546	0,150
A - 9744	382063,666	9726494,945	0,200
A - 9745	382077,498	9726501,347	0,220
A - 9746	382091,366	9726507,766	0,190
A - 9747	382105,232	9726514,183	0,240
A - 9748	382119,094	9726520,599	0,250
A - 9749	382132,965	9726527,019	0,310
A - 9750	382146,853	9726533,448	0,350
A - 9751	382160,740	9726539,875	0,380
A - 9752	382174,651	9726546,314	0,360
A - 9753	382188,567	9726552,754	0,390
A - 9754	382202,460	9726559,185	0,360
A - 9755	382216,365	9726565,620	0,400
A - 9756	382230,182	9726572,015	0,420
A - 9757	382243,936	9726578,381	0,480
A - 9758	382257,726	9726584,764	0,490
A - 9759	382271,515	9726591,146	0,510
A - 9760	382285,286	9726597,519	0,510
A - 9761	382299,082	9726603,905	0,530
A - 9762	382312,910	9726610,305	0,550
A - 9763	382326,743	9726616,708	0,560
A - 9764	382340,582	9726623,113	0,560
A - 9765	382354,433	9726629,523	0,550
A - 9766	382368,284	9726635,934	0,590
A - 9767	382382,180	9726642,366	0,550
A - 9768	382396,056	9726648,788	0,600
A - 9769	382409,931	9726655,210	0,610
A - 9770	382423,842	9726661,649	0,530
A - 9771	382437,725	9726668,074	0,600
A - 9772	382451,586	9726674,490	0,610
A - 9773	382465,465	9726680,913	0,580
A - 9774	382479,267	9726687,301	0,570
A - 9775	382493,069	9726693,690	0,590
A - 9776	382506,894	9726700,088	0,530
A - 9777	382520,714	9726706,485	0,540
A - 9778	382534,553	9726712,890	0,580
A - 9779	382548,476	9726719,334	0,610
A - 9780	382562,395	9726725,776	0,610
A - 9781	382576,263	9726732,195	0,540
A - 9782	382590,137	9726738,617	0,570
A - 9783	382604,008	9726745,036	0,580
A - 9784	382617,880	9726751,457	0,590
A - 9785	382631,745	9726757,874	0,570
A - 9786	382645,612	9726764,292	0,570
A - 9787	382659,477	9726770,710	0,580
A - 9788	382673,341	9726777,126	0,610
A - 9789	382687,186	9726783,534	0,600
A - 9790	382701,012	9726789,934	0,610
A - 9791	382714,840	9726796,334	0,620
A - 9792	382728,655	9726802,728	0,550
A - 9793	382742,483	9726809,128	0,580
A - 9794	382756,308	9726815,527	0,580
A - 9795	382770,162	9726821,939	0,580
A - 9796	382784,020	9726828,353	0,610
A - 9797	382797,879	9726834,767	0,530
A - 9798	382811,732	9726841,179	0,560
A - 9799	382825,588	9726847,592	0,570
A - 9800	382839,448	9726854,007	0,590
A - 9801	382853,286	9726860,412	0,600
A - 9802	382867,121	9726866,815	0,560
A - 9803	382880,975	9726873,227	0,580
A - 9804	382894,818	9726879,635	0,590
A - 9805	382908,664	9726886,043	0,590
A - 9806	382922,521	9726892,457	0,600
A - 9807	382936,406	9726898,883	0,500
A - 9808	382950,298	9726905,313	0,480
A - 9809	382964,174	9726911,735	0,550
A - 9810	382978,029	9726918,148	0,580
A - 9811	382991,860	9726924,549	0,570

A - 9812	383005,720	9726930,964	0,580
A - 9813	383019,595	9726937,386	0,580
A - 9814	383033,476	9726943,811	0,550
A - 9815	383047,346	9726950,230	0,540
A - 9816	383061,183	9726956,635	0,560
A - 9817	383075,057	9726963,056	0,550
A - 9818	383088,919	9726969,472	0,540
A - 9819	383102,728	9726975,864	0,530
A - 9820	383116,483	9726982,230	0,530
A - 9821	383130,172	9726988,566	0,520
A - 9822	383143,898	9726994,919	0,510
A - 9823	383157,655	9727001,286	0,500
A - 9824	383171,406	9727007,650	0,500
A - 9825	383185,176	9727014,024	0,500
A - 9826	383198,981	9727020,413	0,470
A - 9827	383212,797	9727026,808	0,490
A - 9828	383226,623	9727033,207	0,480
A - 9829	383240,411	9727039,589	0,460
A - 9830	383254,180	9727045,962	0,470
A - 9831	383267,939	9727052,329	0,450
A - 9832	383281,679	9727058,689	0,390
A - 9833	383295,455	9727065,065	0,380
A - 9834	383309,254	9727071,452	0,330
A - 9835	383323,005	9727077,816	0,340
A - 9836	383336,748	9727084,177	0,290
A - 9837	383350,505	9727090,545	0,290
A - 9838	383364,262	9727096,912	0,230
A - 9839	383377,954	9727103,249	0,180
A - 9840	383391,619	9727109,574	0,220
A - 9841	383405,345	9727115,926	0,180
A - 9842	383419,109	9727122,297	0,170
A - 9843	383432,886	9727128,673	0,170
A - 9844	383446,673	9727135,055	0,090
A - 9845	383460,455	9727141,433	0,020
A - 9846	383474,251	9727147,819	0,050
A - 9847	383488,036	9727154,199	-0,020
A - 9848	383501,848	9727160,592	-0,090
A - 9849	383515,626	9727166,969	-0,140
A - 9850	383529,335	9727173,314	-0,220
A - 9851	383543,027	9727179,651	-0,280
A - 9852	383556,700	9727185,979	-0,310
A - 9853	383570,435	9727192,337	-0,500
A - 9854	383584,191	9727198,703	-0,700
A - 9855	383597,925	9727205,060	-0,810
A - 9856	383611,656	9727211,415	-0,920
A - 9857	383625,396	9727217,775	-1,130
A - 9858	383639,121	9727224,127	-1,290
A - 9859	383652,843	9727230,478	-1,560
A - 9860	383666,551	9727236,823	-1,770
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A - 9862	383693,925	9727249,492	-2,240
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A - 9864	383721,302	9727262,164	-2,640
A - 9865	383735,034	9727268,519	-2,870
A - 9866	383748,737	9727274,861	-3,060
A - 9867	383762,454	9727281,210	-3,130
A - 9868	383776,158	9727287,553	-3,200
A - 9869	383789,850	9727293,890	-3,300
A - 9870	383803,537	9727300,225	-3,490
A - 9871	383817,164	9727306,532	-3,650
A - 9872	383830,741	9727312,816	-3,780
A - 9873	383844,338	9727319,109	-3,790
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A - 9875	383871,602	9727331,728	-3,880
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A - 9877	383898,988	9727344,404	-3,850
A - 9878	383912,667	9727350,735	-3,880
A - 9879	383926,360	9727357,073	-3,820
A - 9880	383939,921	9727363,349	-3,780
A - 9881	383953,479	9727369,624	-3,750
A - 9882	383967,074	9727375,917	-3,770
A - 9883	383980,703	9727382,225	-3,690
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A - 9885	384007,996	9727394,857	-3,620
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A - 9888	384048,978	9727413,825	-3,220
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A - 9894	384130,940	9727451,760	-2,680
A - 9895	384144,514	9727458,042	-2,570

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A - 9902	384239,882	9727502,183	-1,870
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A - 9904	384267,381	9727514,910	-1,740
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A - 9906	384294,872	9727527,634	-1,670
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A - 9912	384377,281	9727565,776	-1,460
A - 9913	384390,990	9727572,121	-1,400
A - 9914	384404,645	9727578,441	-1,420
A - 9915	384418,266	9727584,746	-1,360
A - 9916	384431,851	9727591,033	-1,300
A - 9917	384445,512	9727597,356	-1,300
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A - 9920	384486,669	9727616,405	-1,210
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A - 9923	384527,886	9727635,482	-1,180
A - 9924	384541,654	9727641,854	-1,150
A - 9925	384555,428	9727648,230	-1,080
A - 9926	384569,203	9727654,605	-1,120
A - 9927	384582,981	9727660,982	-1,100
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A - 9929	384610,604	9727673,767	-1,010
A - 9930	384624,392	9727680,149	-0,950
A - 9931	384638,188	9727686,534	-0,950
A - 9932	384651,979	9727692,917	-0,930
A - 9933	384665,753	9727699,292	-0,940
A - 9934	384679,511	9727705,660	-0,850
A - 9935	384693,247	9727712,018	-0,840
A - 9936	384707,017	9727718,391	-0,930
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A - 9938	384734,522	9727731,121	-0,770
A - 9939	384748,256	9727737,478	-0,770
A - 9940	384762,027	9727743,852	-0,710
A - 9941	384775,802	9727750,227	-0,760
A - 9942	384789,597	9727756,612	-0,710
A - 9943	384803,339	9727762,972	-0,730
A - 9944	384817,086	9727769,335	-0,610
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A - 9946	384844,646	9727782,091	-0,630
A - 9947	384858,402	9727788,458	-0,630
A - 9948	384872,147	9727794,819	-0,560
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A - 9950	384899,604	9727807,528	-0,550
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A - 9952	384926,996	9727820,206	-0,530
A - 9953	384940,675	9727826,537	-0,480
A - 9954	384954,382	9727832,881	-0,500
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A - 9958	385009,148	9727858,229	-0,560
A - 9959	385022,828	9727864,560	-0,490
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A - 9961	385050,342	9727877,295	-0,460
A - 9962	385064,072	9727883,650	-0,420
A - 9963	385077,786	9727889,997	-0,410
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A - 9965	385105,226	9727902,698	-0,440
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A - 9968	385146,504	9727921,802	-0,410
A - 9969	385160,226	9727928,154	-0,420
A - 9970	385173,899	9727934,482	-0,410
A - 9971	385187,541	9727940,796	-0,440
A - 9972	385201,250	9727947,141	-0,400
A - 9973	385215,016	9727953,512	-0,410
A - 9974	385228,807	9727959,896	-0,380
A - 9975	385242,580	9727966,270	-0,380
A - 9976	385256,399	9727972,666	-0,390
A - 9977	385270,207	9727979,057	-0,340
A - 9978	385284,029	9727985,455	-0,360
A - 9979	385297,837	9727991,845	-0,360

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A - 9981	385325,358	9728004,583	-0,380
A - 9982	385339,108	9728010,947	-0,390
A - 9983	385352,875	9728017,319	-0,390
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A - 9985	385380,402	9728030,060	-0,420
A - 9986	385394,166	9728036,430	-0,450
A - 9987	385407,983	9728042,825	-0,440
A - 9988	385421,826	9728049,232	-0,410
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A - 9990	385449,488	9728062,035	-0,350
A - 9991	385463,345	9728068,449	-0,390
A - 9992	385477,224	9728074,873	-0,420
A - 9993	385491,128	9728081,308	-0,440
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A - 9997	385546,625	9728106,994	-0,490
A - 9998	385560,485	9728113,409	-0,450
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A - 10000	385588,200	9728126,237	-0,460
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A - 10002	385615,851	9728139,035	-0,490
A - 10003	385629,693	9728145,441	-0,450
A - 10004	385643,536	9728151,848	-0,500
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A - 10007	385684,858	9728170,974	-0,580
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A - 10013	385767,632	9728209,285	-0,620
A - 10014	385781,408	9728215,661	-0,710
A - 10015	385795,213	9728222,050	-0,690
A - 10016	385808,995	9728228,429	-0,670
A - 10017	385822,773	9728234,806	-0,740
A - 10018	385836,545	9728241,180	-0,760
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A - 10020	385863,980	9728253,878	-0,790
A - 10021	385877,765	9728260,259	-0,890
A - 10022	385891,525	9728266,627	-0,920
A - 10023	385905,308	9728273,007	-0,920
A - 10024	385919,130	9728279,404	-1,010
A - 10025	385932,932	9728285,792	-1,010
A - 10026	385946,692	9728292,160	-1,040
A - 10027	385960,434	9728298,521	-1,150
A - 10028	385974,189	9728304,887	-1,160
A - 10029	385987,937	9728311,250	-1,180
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A - 10041	386153,233	9728387,756	-1,780
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A - 10043	386180,488	9728400,371	-1,960
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A - 10046	386221,649	9728419,422	-2,240
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A - 10049	386263,044	9728438,581	-2,520
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A - 10056	386359,326	9728483,144	-3,220
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A - 10093	386870,074	9728719,538	-6,740
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A - 10095	386897,716	9728732,332	-6,720
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A - 10097	386925,279	9728745,089	-6,930
A - 10098	386939,058	9728751,466	-7,020
A - 10099	386952,859	9728757,854	-7,150
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A - 10204	388402,119	9729428,628	-12,520
A - 10205	388415,672	9729434,901	-12,370
A - 10206	388429,220	9729441,171	-11,910
A - 10207	388442,778	9729447,446	-11,580
A - 10208	388456,310	9729453,709	-11,170
A - 10209	388469,897	9729459,998	-10,970
A - 10210	388483,502	9729466,295	-10,700
A - 10211	388497,106	9729472,591	-10,310
A - 10212	388510,784	9729478,922	-10,110
A - 10213	388524,435	9729485,240	-9,920
A - 10214	388538,158	9729491,592	-9,840
A - 10215	388551,838	9729497,923	-9,840
A - 10216	388565,487	9729504,241	-9,070
A - 10217	388579,168	9729510,573	-8,620
A - 10218	388592,747	9729516,858	-7,870
A - 10219	388606,191	9729523,080	-7,250
A - 10220	388619,686	9729529,326	-6,720
A - 10221	388632,888	9729535,437	-6,120
A - 10222	388646,490	9729541,732	-5,560
A - 10223	388660,058	9729548,012	-4,680
A - 10224	388673,629	9729554,293	-3,880
A - 10225	388687,268	9729560,606	-2,840
A - 10226	388700,949	9729566,938	-2,090
A - 10227	388714,688	9729573,297	-1,710
A - 10228	388728,383	9729579,636	-1,260
A - 10229	388742,062	9729585,967	-1,090
A - 10230	388756,091	9729592,460	-0,880
A - 10231	388769,254	9729598,552	-0,790

A - 10232	388782,893	9729604,865	-0,630
A - 10233	388796,372	9729611,103	-0,600
A - 10234	388809,762	9729617,301	-0,210
A - 10235	388823,011	9729623,433	-0,090
A - 10236	388836,142	9729629,510	0,310
A - 10237	388849,314	9729635,607	0,690
A - 10238	388862,489	9729641,705	0,780
A - 10239	388875,710	9729647,824	0,780
A - 10240	388888,926	9729653,941	0,910
A - 10241	388902,154	9729660,063	0,910
A - 10242	388915,276	9729666,137	0,990
A - 10243	388927,462	9729671,777	1,090
A - 10244	388938,272	9729676,780	1,190
A - 10245	388948,040	9729681,301	1,330
A - 10246	388957,108	9729685,498	1,390
A - 10247	388965,323	9729689,300	1,450
A - 10248	388972,404	9729692,578	1,500
A - 10249	388978,426	9729695,365	1,560
A - 10250	388983,756	9729697,832	1,600
A - 10251	388988,802	9729700,167	1,590
A - 10252	388993,867	9729702,512	1,560
A - 10253	388999,033	9729704,903	1,570
A - 10254	389004,482	9729707,425	1,580
A - P17D7 - SU	389052,387	9729729,597	3,214
A - P17D6 - NA	389056,335	9729731,424	3,438
A - P17D5	389062,265	9729734,169	3,796
A - P17D4	389068,412	9729737,014	4,325
A - S17D	389072,646	9729738,974	8,329
A - P17D3	389079,901	9729742,332	8,801
A - P17D2	389086,077	9729745,190	9,053
A - P17D1	389091,844	9729747,859	9,254
A - S17DA	389096,482	9729750,006	9,777

PONTO	E	N	COTA
A - P18E11	376144,328	9733597,538	17,020
A - P18E10	376145,719	9733598,192	15,780
A - P18E9	376148,113	9733599,315	12,840
A - P18E8	376149,732	9733600,075	12,000
A - P18E7	376152,053	9733601,164	9,650
A - P18E6	376154,707	9733602,410	5,360
A - S18E	376157,820	9733603,871	4,821
A - P18E5	376161,094	9733605,407	4,350
A - P18E2 - NA	376165,814	9733607,623	3,990
A - P18E3 - SUI	376169,271	9733609,245	3,460
A - P18E4 - SUI	376173,108	9733611,046	3,120
A - 8735	376175,280	9733612,065	2,540
A - 8736	376180,460	9733614,496	2,240
A - 8737	376184,361	9733616,327	2,040
A - 8738	376189,067	9733618,536	1,850
A - 8739	376194,231	9733620,959	1,740
A - 8740	376199,892	9733623,616	1,670
A - 8741	376205,954	9733626,461	1,620
A - 8742	376212,455	9733629,512	1,570
A - 8743	376219,162	9733632,660	1,550
A - 8744	376226,018	9733635,878	1,510
A - 8745	376233,023	9733639,165	1,460
A - 8746	376240,139	9733642,505	1,370
A - 8747	376247,243	9733645,839	1,300
A - 8748	376254,323	9733649,162	1,180
A - 8749	376261,509	9733652,535	1,080
A - 8750	376268,764	9733655,940	0,990
A - 8751	376276,134	9733659,399	0,830
A - 8752	376284,023	9733663,101	0,620
A - 8753	376292,752	9733667,198	0,230
A - 8754	376302,272	9733671,666	-0,070
A - 8755	376312,267	9733676,357	-0,360
A - 8756	376322,594	9733681,204	-0,610
A - 8757	376333,173	9733686,169	-0,790
A - 8758	376343,915	9733691,210	-0,940
A - 8759	376354,802	9733696,319	-1,190
A - 8760	376365,738	9733701,452	-1,380
A - 8761	376376,758	9733706,624	-1,500
A - 8762	376387,772	9733711,793	-1,640
A - 8763	376398,877	9733717,005	-1,760
A - 8764	376410,005	9733722,228	-1,900
A - 8765	376421,155	9733727,461	-2,020
A - 8766	376432,340	9733732,710	-2,170
A - 8767	376443,541	9733737,967	-2,290
A - 8768	376454,748	9733743,227	-2,400
A - 8769	376465,904	9733748,463	-2,480
A - 8770	376477,132	9733753,732	-2,570
A - 8771	376488,412	9733759,026	-2,670
A - 8772	376499,754	9733764,350	-2,760
A - 8773	376511,090	9733769,670	-2,880
A - 8774	376522,441	9733774,997	-2,970
A - 8775	376533,807	9733780,331	-3,080
A - 8776	376545,121	9733785,641	-3,110
A - 8777	376556,449	9733790,958	-3,230
A - 8778	376567,716	9733796,246	-3,380
A - 8779	376579,088	9733801,583	-3,520
A - 8780	376590,441	9733806,911	-3,680
A - 8781	376601,833	9733812,258	-3,830
A - 8782	376613,283	9733817,632	-4,030
A - 8783	376624,636	9733822,960	-4,180
A - 8784	376636,016	9733828,301	-4,340
A - 8785	376647,387	9733833,637	-4,410
A - 8786	376658,831	9733839,008	-4,500
A - 8787	376670,218	9733844,353	-4,550
A - 8788	376681,592	9733849,691	-4,630
A - 8789	376692,978	9733855,035	-4,810
A - 8790	376704,326	9733860,360	-4,830
A - 8791	376715,644	9733865,672	-4,860
A - 8792	376726,965	9733870,985	-5,020
A - 8793	376738,346	9733876,327	-5,100
A - 8794	376749,759	9733881,683	-5,260
A - 8795	376761,128	9733887,019	-5,220
A - 8796	376772,511	9733892,361	-5,120
A - 8797	376783,909	9733897,711	-5,110
A - 8798	376795,380	9733903,094	-5,020
A - 8799	376806,915	9733908,508	-4,990
A - 8800	376818,580	9733913,983	-4,710
A - 8801	376830,152	9733919,414	-4,850
A - 8802	376841,654	9733924,812	-4,860
A - 8803	376853,055	9733930,163	-4,640
A - 8804	376864,309	9733935,445	-4,580
A - 8805	376875,524	9733940,708	-4,560
A - 8806	376886,738	9733945,971	-4,460

PONTO	E	N	COTA
A - 8807	376898,068	9733951,288	-4,430
A - 8808	376908,750	9733956,302	-4,330
A - 8809	376920,878	9733961,994	-4,200
A - 8810	376932,294	9733967,352	-4,130
A - 8811	376943,583	9733972,650	-4,070
A - 8812	376954,940	9733977,980	-4,080
A - 8813	376966,290	9733983,307	-3,920
A - 8814	376977,518	9733988,576	-3,860
A - 8815	376988,761	9733993,853	-3,890
A - 8816	377000,066	9733999,159	-3,820
A - 8817	377011,299	9734004,431	-3,680
A - 8818	377022,429	9734009,654	-3,750
A - 8819	377033,589	9734014,892	-3,660
A - 8820	377044,872	9734020,187	-3,670
A - 8821	377056,424	9734025,609	-3,740
A - 8822	377068,151	9734031,113	-3,620
A - 8823	377079,962	9734036,656	-3,720
A - 8824	377091,881	9734042,250	-3,820
A - 8825	377103,767	9734047,828	-3,810
A - 8826	377115,746	9734053,451	-3,870
A - 8827	377127,897	9734059,153	-3,970
A - 8828	377140,198	9734064,926	-4,040
A - 8829	377152,550	9734070,724	-4,180
A - 8830	377165,015	9734076,574	-4,280
A - 8831	377177,571	9734082,467	-4,410
A - 8832	377190,107	9734088,350	-4,540
A - 8833	377202,704	9734094,262	-4,750
A - 8834	377215,270	9734100,160	-4,810
A - 8835	377227,846	9734106,062	-4,850
A - 8836	377240,451	9734111,978	-4,950
A - 8837	377253,122	9734117,925	-5,140
A - 8838	377265,716	9734123,835	-5,180
A - 8839	377278,319	9734129,750	-5,280
A - 8840	377291,000	9734135,702	-5,510
A - 8841	377303,763	9734141,692	-5,630
A - 8842	377316,566	9734147,701	-5,760
A - 8843	377329,243	9734153,650	-5,750
A - 8844	377341,895	9734159,588	-5,940
A - 8845	377354,625	9734165,563	-6,090
A - 8846	377367,306	9734171,514	-6,180
A - 8847	377380,053	9734177,497	-6,150
A - 8848	377392,769	9734183,465	-6,080
A - 8849	377405,525	9734189,451	-6,080
A - 8850	377418,202	9734195,401	-6,080
A - 8851	377430,803	9734201,315	-6,110
A - 8852	377443,418	9734207,236	-6,210
A - 8853	377456,008	9734213,145	-6,100
A - 8854	377468,634	9734219,070	-6,030
A - 8855	377481,235	9734224,984	-5,990
A - 8856	377493,914	9734230,935	-5,930
A - 8857	377506,576	9734236,877	-6,060
A - 8858	377519,206	9734242,805	-5,920
A - 8859	377531,894	9734248,760	-5,800
A - 8860	377544,531	9734254,691	-5,740
A - 8861	377557,179	9734260,626	-5,710
A - 8862	377569,863	9734266,580	-5,530
A - 8863	377582,481	9734272,501	-5,530
A - 8864	377595,103	9734278,426	-5,390
A - 8865	377607,823	9734284,395	-5,270
A - 8866	377620,665	9734290,422	-5,090
A - 8867	377633,466	9734296,430	-4,990
A - 8868	377646,211	9734302,412	-4,830
A - 8869	377658,795	9734308,318	-4,660
A - 8870	377671,407	9734314,237	-4,710
A - 8871	377684,005	9734320,149	-4,500
A - 8872	377696,571	9734326,047	-4,380
A - 8873	377709,134	9734331,943	-4,480
A - 8874	377721,606	9734337,797	-4,410
A - 8875	377734,009	9734343,617	-4,240
A - 8876	377746,303	9734349,387	-4,240
A - 8877	377758,659	9734355,186	-4,200
A - 8878	377771,028	9734360,992	-4,230
A - 8879	377783,378	9734366,788	-4,180
A - 8880	377795,818	9734372,626	-4,150
A - 8881	377808,349	9734378,507	-4,100
A - 8882	377820,961	9734384,427	-3,990
A - 8883	377833,542	9734390,331	-4,000
A - 8884	377846,123	9734396,236	-3,900
A - 8885	377858,615	9734402,099	-3,910
A - 8886	377871,107	9734407,961	-3,710
A - 8887	377883,540	9734413,797	-3,790
A - 8888	377896,033	9734419,660	-3,730
A - 8889	377908,733	9734425,620	-3,670

PONTO	E	N	COTA
A - 8890	377921,455	9734431,591	-3,670
A - 8891	377934,257	9734437,599	-3,580
A - 8892	377946,950	9734443,556	-3,610
A - 8893	377959,461	9734449,428	-3,510
A - 8894	377971,887	9734455,260	-3,380
A - 8895	377984,330	9734461,100	-3,280
A - 8896	377996,859	9734466,980	-3,140
A - 8897	378009,339	9734472,837	-3,130
A - 8898	378021,745	9734478,660	-3,160
A - 8899	378034,009	9734484,415	-3,190
A - 8900	378046,415	9734490,238	-3,110
A - 8901	378058,801	9734496,051	-3,050
A - 8902	378071,124	9734501,835	-2,900
A - 8903	378083,598	9734507,689	-2,820
A - 8904	378096,105	9734513,559	-2,720
A - 8905	378108,785	9734519,510	-2,760
A - 8906	378121,434	9734525,446	-2,790
A - 8907	378133,908	9734531,301	-2,640
A - 8908	378146,304	9734537,118	-2,560
A - 8909	378158,871	9734543,017	-2,470
A - 8910	378171,371	9734548,883	-2,440
A - 8911	378183,734	9734554,685	-2,470
A - 8912	378196,269	9734560,569	-2,380
A - 8913	378208,875	9734566,484	-2,170
A - 8914	378221,517	9734572,418	-2,160
A - 8915	378234,146	9734578,345	-2,200
A - 8916	378246,676	9734584,226	-2,210
A - 8917	378259,171	9734590,090	-2,170
A - 8918	378271,767	9734596,002	-2,220
A - 8919	378284,401	9734601,931	-2,310
A - 8920	378296,947	9734607,819	-2,250
A - 8921	378309,368	9734613,649	-2,240
A - 8922	378321,563	9734619,372	-2,250
A - 8923	378333,854	9734625,140	-2,140
A - 8924	378346,456	9734631,055	-2,190
A - 8925	378359,092	9734636,985	-2,200
A - 8926	378371,540	9734642,828	-2,110
A - 8927	378383,993	9734648,672	-2,120
A - 8928	378396,459	9734654,523	-2,150
A - 8929	378409,020	9734660,418	-2,090
A - 8930	378421,510	9734666,280	-2,030
A - 8931	378434,024	9734672,153	-2,070
A - 8932	378446,569	9734678,041	-2,030
A - 8933	378459,090	9734683,917	-2,120
A - 8934	378471,479	9734689,732	-2,070
A - 8935	378483,759	9734695,495	-2,050
A - 8936	378495,880	9734701,183	-2,080
A - 8937	378508,050	9734706,895	-2,010
A - 8938	378520,430	9734712,706	-2,040
A - 8939	378532,830	9734718,525	-2,080
A - 8940	378545,302	9734724,379	-2,030
A - 8941	378557,713	9734730,203	-2,020
A - 8942	378570,066	9734736,001	-1,970
A - 8943	378582,606	9734741,887	-2,070
A - 8944	378595,211	9734747,802	-2,050
A - 8945	378607,719	9734753,673	-2,090
A - 8946	378619,974	9734759,424	-2,070
A - 8947	378632,306	9734765,212	-2,230
A - 8948	378644,694	9734771,026	-2,080
A - 8949	378657,144	9734776,869	-2,110
A - 8950	378669,621	9734782,725	-2,110
A - 8951	378682,110	9734788,586	-2,120
A - 8952	378694,537	9734794,419	-2,140
A - 8953	378706,921	9734800,231	-2,230
A - 8954	378719,324	9734806,052	-2,250
A - 8955	378731,742	9734811,880	-2,220
A - 8956	378744,296	9734817,772	-2,230
A - 8957	378756,832	9734823,655	-2,330
A - 8958	378769,288	9734829,501	-2,390
A - 8959	378781,836	9734835,390	-2,580
A - 8960	378794,318	9734841,248	-2,500
A - 8961	378806,650	9734847,036	-2,290
A - 8962	378818,781	9734852,730	-2,370
A - 8963	378831,105	9734858,513	-2,390
A - 8964	378843,424	9734864,295	-2,490
A - 8965	378855,491	9734869,959	-2,450
A - 8966	378867,685	9734875,682	-2,450
A - 8967	378879,917	9734881,422	-2,520
A - 8968	378892,172	9734887,174	-2,490
A - 8969	378904,503	9734892,961	-2,670
A - 8970	378916,832	9734898,748	-2,630
A - 8971	378929,139	9734904,524	-2,730
A - 8972	378941,492	9734910,321	-2,670

A - 8973	378953,820	9734916,107	-2,630
A - 8974	378966,183	9734921,909	-2,660
A - 8975	378978,660	9734927,765	-2,760
A - 8976	378991,100	9734933,603	-2,800
A - 8977	379003,483	9734939,415	-2,790
A - 8978	379015,845	9734945,217	-2,860
A - 8979	379028,206	9734951,018	-2,860
A - 8980	379040,584	9734956,828	-2,890
A - 8981	379052,899	9734962,607	-2,900
A - 8982	379065,145	9734968,355	-2,960
A - 8983	379077,494	9734974,150	-2,970
A - 8984	379089,865	9734979,956	-3,070
A - 8985	379102,495	9734985,884	-3,150
A - 8986	379115,130	9734991,814	-3,190
A - 8987	379127,490	9734997,615	-3,170
A - 8988	379139,692	9735003,341	-3,070
A - 8989	379152,074	9735009,153	-3,250
A - 8990	379164,565	9735015,015	-3,120
A - 8991	379177,073	9735020,886	-3,190
A - 8992	379189,361	9735026,652	-3,260
A - 8993	379201,703	9735032,445	-3,490
A - 8994	379214,206	9735038,313	-3,600
A - 8995	379226,527	9735044,095	-3,510
A - 8996	379238,752	9735049,833	-3,400
A - 8997	379250,939	9735055,553	-3,500
A - 8998	379263,312	9735061,360	-3,510
A - 8999	379275,614	9735067,133	-3,610
A - 9000	379287,806	9735072,855	-3,630
A - 9001	379300,002	9735078,579	-3,760
A - 9002	379312,169	9735084,289	-3,740
A - 9003	379324,368	9735090,015	-3,850
A - 9004	379336,569	9735095,741	-3,870
A - 9005	379348,936	9735101,545	-3,720
A - 9006	379361,479	9735107,432	-3,950
A - 9007	379374,111	9735113,361	-3,970
A - 9008	379386,725	9735119,281	-4,040
A - 9009	379399,187	9735125,129	-4,030
A - 9010	379411,854	9735131,074	-4,090
A - 9011	379424,502	9735137,010	-4,090
A - 9012	379437,112	9735142,929	-4,150
A - 9013	379449,526	9735148,755	-4,320
A - 9014	379461,881	9735154,553	-4,250
A - 9015	379474,163	9735160,318	-4,310
A - 9016	379486,327	9735166,026	-4,280
A - 9017	379498,434	9735171,708	-4,360
A - 9018	379510,624	9735177,430	-4,370
A - 9019	379522,909	9735183,195	-4,380
A - 9020	379535,308	9735189,014	-4,410
A - 9021	379547,707	9735194,834	-4,440
A - 9022	379560,085	9735200,643	-4,460
A - 9023	379572,332	9735206,391	-4,400
A - 9024	379584,655	9735212,175	-4,450
A - 9025	379596,927	9735217,934	-4,400
A - 9026	379609,246	9735223,715	-4,380
A - 9027	379621,594	9735229,511	-4,450
A - 9028	379633,978	9735235,323	-4,370
A - 9029	379646,433	9735241,169	-4,330
A - 9030	379658,942	9735247,039	-4,230
A - 9031	379671,470	9735252,919	-4,250
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A - 9033	379696,324	9735264,584	-4,340
A - 9034	379708,593	9735270,342	-4,210
A - 9035	379720,886	9735276,111	-4,180
A - 9036	379733,355	9735281,963	-4,030
A - 9037	379745,829	9735287,818	-4,030
A - 9038	379758,286	9735293,664	-3,940
A - 9039	379770,762	9735299,519	-3,910
A - 9040	379783,283	9735305,396	-3,780
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A - 9042	379808,313	9735317,143	-3,620
A - 9043	379820,872	9735323,037	-3,620
A - 9044	379833,491	9735328,960	-3,560
A - 9045	379846,084	9735334,870	-3,500
A - 9046	379858,660	9735340,772	-3,410
A - 9047	379871,122	9735346,621	-3,270
A - 9048	379883,514	9735352,437	-3,170
A - 9049	379895,813	9735358,209	-3,080
A - 9050	379907,977	9735363,918	-2,970
A - 9051	379920,091	9735369,603	-2,920
A - 9052	379932,189	9735375,281	-2,860
A - 9053	379944,170	9735380,904	-2,710
A - 9054	379956,274	9735386,585	-2,670
A - 9055	379968,517	9735392,331	-2,610
A - 9056	379980,833	9735398,111	-2,560
A - 9057	379993,087	9735403,862	-2,480
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A - 9060	380029,768	9735421,077	-2,370
A - 9061	380041,977	9735426,808	-2,290
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A - 9063	380066,854	9735438,483	-2,130
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A - 9066	380104,356	9735456,084	-2,030
A - 9067	380116,575	9735461,819	-1,920
A - 9068	380128,611	9735467,467	-1,850
A - 9069	380140,761	9735473,170	-1,820
A - 9070	380152,942	9735478,886	-1,790
A - 9071	380165,136	9735484,609	-1,830
A - 9072	380177,349	9735490,341	-1,750
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A - 9075	380213,720	9735507,411	-1,620
A - 9076	380225,791	9735513,076	-1,610
A - 9077	380237,970	9735518,792	-1,600
A - 9078	380250,091	9735524,481	-1,750
A - 9079	380262,013	9735530,076	-1,630
A - 9080	380274,025	9735535,714	-1,590
A - 9081	380285,999	9735541,334	-1,570
A - 9082	380298,077	9735547,002	-1,570
A - 9083	380310,223	9735552,702	-1,560
A - 9084	380322,459	9735558,445	-1,540
A - 9085	380334,555	9735564,122	-1,490
A - 9086	380346,594	9735569,772	-1,490
A - 9087	380358,723	9735575,465	-1,490
A - 9088	380370,963	9735581,209	-1,480
A - 9089	380383,239	9735586,971	-1,440
A - 9090	380395,708	9735592,823	-1,400
A - 9091	380408,144	9735598,659	-1,400
A - 9092	380420,415	9735604,419	-1,450
A - 9093	380432,692	9735610,180	-1,420
A - 9094	380444,853	9735615,888	-1,400
A - 9095	380457,068	9735621,621	-1,420
A - 9096	380469,524	9735627,467	-1,540
A - 9097	380482,207	9735633,419	-1,540
A - 9098	380494,895	9735639,374	-1,580
A - 9099	380507,773	9735645,418	-1,590
A - 9100	380520,434	9735651,360	-1,580
A - 9101	380532,992	9735657,254	-1,630
A - 9102	380545,092	9735662,933	-1,590
A - 9103	380556,890	9735668,470	-1,570
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A - 9105	380580,544	9735679,571	-1,580
A - 9106	380592,584	9735685,222	-1,610
A - 9107	380604,576	9735690,850	-1,690
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A - 9109	380628,957	9735702,293	-1,730
A - 9110	380641,225	9735708,050	-1,820
A - 9111	380653,559	9735713,839	-1,810
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A - 9113	380678,460	9735725,526	-1,780
A - 9114	380690,964	9735731,394	-1,840
A - 9115	380703,543	9735737,298	-1,880
A - 9116	380716,086	9735743,185	-1,910
A - 9117	380728,619	9735749,067	-1,960
A - 9118	380741,163	9735754,954	-1,970
A - 9119	380753,588	9735760,785	-1,960
A - 9120	380765,962	9735766,593	-2,150
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A - 9128	380864,891	9735813,023	-2,400
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A - 9130	380889,405	9735824,528	-2,420
A - 9131	380901,547	9735830,227	-2,530
A - 9132	380913,895	9735836,021	-2,590
A - 9133	380926,166	9735841,781	-2,620
A - 9134	380938,425	9735847,534	-2,680
A - 9135	380950,697	9735853,294	-2,940
A - 9136	380962,982	9735859,060	-2,780
A - 9137	380975,210	9735864,798	-2,870
A - 9138	380987,527	9735870,579	-2,930
A - 9139	380999,877	9735876,375	-2,950
A - 9140	381012,043	9735882,085	-3,020
A - 9141	381024,144	9735887,764	-3,050
A - 9142	381036,239	9735893,441	-3,130
A - 9143	381048,430	9735899,162	-3,170
A - 9144	381060,596	9735904,872	-3,240
A - 9145	381072,853	9735910,625	-3,370
A - 9146	381085,164	9735916,403	-3,430
A - 9147	381097,457	9735922,172	-3,420
A - 9148	381109,683	9735927,910	-3,380
A - 9149	381121,797	9735933,596	-3,420
A - 9150	381133,947	9735939,298	-3,520
A - 9151	381145,938	9735944,925	-3,710
A - 9152	381157,845	9735950,514	-3,740
A - 9153	381169,894	9735956,169	-3,830
A - 9154	381181,973	9735961,838	-3,870
A - 9155	381194,175	9735967,564	-3,740
A - 9156	381206,506	9735973,352	-3,810
A - 9157	381219,059	9735979,243	-3,850
A - 9158	381231,504	9735985,084	-4,090
A - 9159	381243,877	9735990,891	-4,130
A - 9160	381256,439	9735996,787	-4,180
A - 9161	381268,882	9736002,626	-4,330
A - 9162	381281,180	9736008,398	-4,460
A - 9163	381293,303	9736014,088	-4,560
A - 9164	381305,593	9736019,856	-4,500
A - 9165	381317,908	9736025,636	-4,660
A - 9166	381330,119	9736031,366	-4,630
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A - 9170	381379,053	9736054,332	-4,830
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A - 9174	381427,972	9736077,291	-4,990
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A - 9176	381452,431	9736088,771	-5,080
A - 9177	381464,656	9736094,508	-5,260
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A - 9179	381489,485	9736106,161	-5,330
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A - 9182	381526,304	9736123,441	-5,600
A - 9183	381538,442	9736129,138	-5,580
A - 9184	381550,453	9736134,775	-5,590
A - 9185	381562,584	9736140,468	-5,790
A - 9186	381574,883	9736146,240	-5,940
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A - 9188	381599,728	9736157,901	-5,960
A - 9189	381612,082	9736163,699	-5,990
A - 9190	381624,565	9736169,558	-5,830
A - 9191	381637,130	9736175,455	-5,970
A - 9192	381649,683	9736181,346	-6,030
A - 9193	381662,236	9736187,237	-6,180
A - 9194	381674,792	9736193,130	-6,180
A - 9195	381687,399	9736199,048	-6,260
A - 9196	381699,964	9736204,944	-6,270
A - 9197	381712,278	9736210,723	-6,300
A - 9198	381724,449	9736216,436	-6,310
A - 9199	381736,745	9736222,207	-6,390
A - 9200	381749,111	9736228,010	-6,400
A - 9201	381761,380	9736233,768	-6,400
A - 9202	381773,544	9736239,477	-6,410
A - 9203	381785,699	9736245,182	-6,430
A - 9204	381797,948	9736250,931	-6,420
A - 9205	381810,297	9736256,726	-6,420
A - 9206	381822,659	9736262,529	-6,450
A - 9207	381835,017	9736268,328	-6,560
A - 9208	381847,548	9736274,210	-6,560
A - 9209	381860,054	9736280,079	-6,600
A - 9210	381872,447	9736285,895	-6,560
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A - 9212	381897,191	9736297,508	-6,680
A - 9213	381909,466	9736303,269	-6,760
A - 9214	381921,647	9736308,986	-6,880
A - 9215	381933,932	9736314,752	-6,860
A - 9216	381946,284	9736320,549	-6,850
A - 9217	381958,809	9736326,427	-6,850
A - 9218	381971,631	9736332,445	-6,950
A - 9219	381984,588	9736338,526	-6,910
A - 9220	381997,619	9736344,642	-6,980
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A - 9222	382023,786	9736356,923	-7,180
A - 9223	382036,942	9736363,097	-7,320
A - 9224	382049,990	9736369,221	-7,330

A - 9225	382063,033	9736375,342	-7,440
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A - 9228	382102,226	9736393,736	-7,470
A - 9229	382115,170	9736399,812	-7,490
A - 9230	382128,312	9736405,980	-7,420
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A - 9237	382221,013	9736449,486	-7,510
A - 9238	382234,285	9736455,715	-7,610
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A - 9241	382273,279	9736474,016	-7,690
A - 9242	382286,305	9736480,129	-7,690
A - 9243	382299,348	9736486,251	-7,760
A - 9244	382312,460	9736492,405	-7,920
A - 9245	382325,512	9736498,530	-7,960
A - 9246	382338,486	9736504,620	-7,890
A - 9247	382351,424	9736510,692	-7,880
A - 9248	382364,428	9736516,795	-7,710
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A - 9259	382508,227	9736584,283	-7,910
A - 9260	382521,165	9736590,355	-7,770
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A - 9262	382547,059	9736602,508	-7,820
A - 9263	382560,100	9736608,629	-7,980
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A - 9266	382598,918	9736626,847	-7,970
A - 9267	382612,053	9736633,012	-7,970
A - 9268	382625,246	9736639,204	-7,950
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A - 9273	382691,884	9736670,479	-7,960
A - 9274	382704,951	9736676,611	-8,100
A - 9275	382718,009	9736682,740	-8,090
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A - 9277	382744,197	9736695,030	-8,040
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A - 9284	382834,810	9736737,557	-8,040
A - 9285	382847,838	9736743,672	-8,070
A - 9286	382860,892	9736749,799	-8,160
A - 9287	382873,911	9736755,909	-8,160
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A - 9289	382899,818	9736768,067	-8,360
A - 9290	382912,787	9736774,154	-8,360
A - 9291	382925,750	9736780,238	-8,380
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A - 9294	382964,803	9736798,567	-8,380
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A - 9297	383004,189	9736817,052	-8,440
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A - 9299	383030,872	9736829,574	-8,470
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A - 9318	383281,714	9736947,301	-8,660
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A - 9333	383479,648	9737040,197	-7,790
A - 9334	383492,833	9737046,385	-7,670
A - 9335	383506,150	9737052,635	-7,590
A - 9336	383519,392	9737058,850	-7,430
A - 9337	383532,509	9737065,006	-7,430
A - 9338	383545,596	9737071,148	-7,240
A - 9339	383558,772	9737077,332	-7,010
A - 9340	383571,994	9737083,537	-6,850
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A - 9343	383611,504	9737102,080	-6,570
A - 9344	383624,700	9737108,274	-6,500
A - 9345	383637,845	9737114,443	-6,390
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A - 9350	383703,103	9737145,070	-5,700
A - 9351	383716,148	9737151,192	-5,530
A - 9352	383729,179	9737157,308	-5,430
A - 9353	383742,332	9737163,481	-5,250
A - 9354	383755,542	9737169,681	-5,230
A - 9355	383768,747	9737175,878	-5,130
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A - 9358	383808,460	9737194,517	-4,400
A - 9359	383821,826	9737200,790	-4,360
A - 9360	383835,162	9737207,049	-4,270
A - 9361	383848,477	9737213,298	-4,170
A - 9362	383861,596	9737219,455	-3,890
A - 9363	383874,789	9737225,647	-3,600
A - 9364	383887,881	9737231,791	-3,520
A - 9365	383900,911	9737237,907	-3,210
A - 9366	383913,988	9737244,044	-3,000
A - 9367	383927,125	9737250,209	-2,920
A - 9368	383940,180	9737256,337	-2,750
A - 9369	383953,281	9737262,485	-2,540
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A - 9371	383979,370	9737274,729	-2,200
A - 9372	383992,425	9737280,857	-2,050
A - 9373	384005,596	9737287,038	-1,890
A - 9374	384018,901	9737293,282	-1,820
A - 9375	384032,278	9737299,560	-1,640
A - 9376	384045,634	9737305,829	-1,380
A - 9377	384059,067	9737312,133	-1,250
A - 9378	384072,409	9737318,395	-1,110
A - 9379	384085,693	9737324,630	-0,960
A - 9380	384098,932	9737330,843	-0,870
A - 9381	384112,394	9737337,161	-0,770
A - 9382	384126,022	9737343,557	-0,660
A - 9383	384139,649	9737349,952	-0,480
A - 9384	384153,259	9737356,340	-0,410
A - 9385	384166,790	9737362,691	-0,210
A - 9386	384180,159	9737368,965	-0,120
A - 9387	384193,443	9737375,199	-0,060
A - 9388	384206,646	9737381,396	0,090
A - 9389	384219,803	9737387,571	0,200
A - 9390	384232,865	9737393,701	0,300
A - 9391	384246,019	9737399,875	0,360
A - 9392	384259,186	9737406,054	0,410
A - 9393	384272,596	9737412,348	0,460
A - 9394	384285,982	9737418,631	0,520
A - 9395	384299,474	9737424,963	0,550
A - 9396	384313,022	9737431,321	0,650
A - 9397	384326,577	9737437,683	0,650
A - 9398	384339,984	9737443,975	0,670
A - 9399	384353,332	9737450,240	0,640
A - 9400	384366,808	9737456,564	0,680
A - 9401	384380,239	9737462,868	0,640
A - 9402	384393,548	9737469,114	0,630
A - 9403	384406,758	9737475,314	0,650
A - 9404	384419,868	9737481,467	0,660
A - 9405	384433,055	9737487,656	0,690
A - 9406	384446,375	9737493,907	0,700
A - 9407	384459,867	9737500,239	0,730
A - 9408	384473,181	9737506,488	0,740
A - 9409	384486,394	9737512,689	0,740
A - 9410	384499,618	9737518,895	0,720
A - 9411	384513,102	9737525,224	0,730
A - 9412	384526,663	9737531,589	0,710
A - 9413	384540,159	9737537,922	0,730
A - 9414	384553,652	9737544,255	0,750
A - 9415	384567,199	9737550,613	0,710
A - 9416	384580,844	9737557,017	0,700
A - 9417	384594,383	9737563,371	0,700
A - 9418	384607,795	9737569,666	0,700
A - 9419	384621,174	9737575,945	0,570
A - 9420	384634,390	9737582,147	0,350
A - 9421	384647,581	9737588,339	-0,010
A - 9422	384660,803	9737594,544	-0,520
A - 9423	384674,123	9737600,796	-0,810
A - 9424	384687,409	9737607,031	-1,210
A - 9425	384700,666	9737613,253	-1,540
A - 9426	384713,901	9737619,464	-1,640
A - 9427	384727,187	9737625,700	-1,840
A - 9428	384740,400	9737631,901	-2,380
A - 9429	384753,664	9737638,126	-2,620
A - 9430	384767,218	9737644,487	-2,830
A - 9431	384780,640	9737650,787	-2,990
A - 9432	384793,760	9737656,944	-3,300
A - 9433	384806,792	9737663,060	-3,680
A - 9434	384819,820	9737669,175	-4,040
A - 9435	384832,955	9737675,339	-4,170
A - 9436	384846,145	9737681,530	-4,330
A - 9437	384859,418	9737687,759	-4,410
A - 9438	384872,751	9737694,017	-4,470
A - 9439	384885,969	9737700,220	-4,620
A - 9440	384899,015	9737706,343	-4,890
A - 9441	384911,972	9737712,424	-4,910
A - 9442	384924,683	9737718,390	-5,020
A - 9443	384937,341	9737724,330	-4,940
A - 9444	384950,101	9737730,319	-4,980
A - 9445	384963,053	9737736,398	-4,930
A - 9446	384976,145	9737742,542	-4,740
A - 9447	384989,298	9737748,715	-4,570
A - 9448	385002,374	9737754,852	-4,530
A - 9449	385015,359	9737760,946	-4,370
A - 9450	385028,326	9737767,032	-4,160
A - 9451	385041,391	9737773,164	-4,070
A - 9452	385054,577	9737779,353	-3,930
A - 9453	385067,964	9737785,635	-3,860
A - 9454	385081,560	9737792,016	-3,730
A - 9455	385094,974	9737798,312	-3,530
A - 9456	385108,420	9737804,622	-3,320
A - 9457	385121,967	9737810,980	-3,230
A - 9458	385135,540	9737817,351	-3,110
A - 9459	385148,981	9737823,659	-2,960
A - 9460	385162,298	9737829,908	-2,940
A - 9461	385175,729	9737836,212	-2,650
A - 9462	385189,077	9737842,477	-2,530
A - 9463	385202,390	9737848,725	-2,380
A - 9464	385215,665	9737854,955	-2,190
A - 9465	385228,878	9737861,156	-1,930
A - 9466	385242,079	9737867,352	-1,660
A - 9467	385255,364	9737873,587	-1,510
A - 9468	385268,872	9737879,926	-1,370
A - 9469	385282,393	9737886,273	-1,270
A - 9470	385295,821	9737892,575	-1,060
A - 9471	385309,114	9737898,813	-0,820
A - 9472	385322,587	9737905,136	-0,750
A - 9473	385336,102	9737911,480	-0,600
A - 9474	385349,657	9737917,841	-0,280
A - 9475	385363,113	9737924,157	0,020
A - 9476	385376,404	9737930,394	0,350

A - 9477	385389,657	9737936,614	0,690
A - 9478	385403,034	9737942,892	0,910
A - 9479	385416,489	9737949,207	1,140
A - 9480	385429,677	9737955,397	1,320
A - 9481	385442,777	9737961,545	1,370
A - 9482	385455,920	9737967,713	1,470
A - 9483	385469,083	9737973,891	1,550
A - 9484	385482,176	9737980,036	1,570
A - 9485	385495,063	9737986,084	1,640
A - 9486	385507,139	9737991,751	1,680
A - 9487	385517,945	9737996,823	1,690
A - 9488	385527,984	9738001,535	1,700
A - 9489	385537,385	9738005,947	1,790
A - 9490	385545,379	9738009,699	1,870
A - P18D9 - SU	385603,364	9738036,913	3,049
A - P18D8 - SU	385609,704	9738039,888	3,149
A - P18D7 - SU	385616,121	9738042,900	3,357
A - P18D6 - SU	385621,376	9738045,366	3,425
A - P18D5 - NA	385630,201	9738049,508	3,620
A - P18D4	385637,064	9738052,729	3,613
A - S18D	385645,753	9738056,807	3,706
A - P18D3	385654,631	9738060,973	3,599
A - P18D2	385663,724	9738065,241	4,247
A - P18D1	385672,312	9738069,271	4,627
A - S18DA	385680,267	9738073,005	4,209

PONTO	E	N	COTA
A - P19E13	370120,913	9742186,452	5,505
A - P19E12	370124,417	9742188,267	5,590
A - P19E11	370131,577	9742191,976	5,691
A - P19E10	370137,712	9742195,154	5,792
A - P19E9	370144,596	9742198,719	5,869
A - P19E8	370153,257	9742203,206	5,890
A - P19E7	370159,872	9742206,633	6,093
A - P19E6	370167,584	9742210,627	5,954
A - P19E5	370172,512	9742213,180	5,574
A - S19E	370177,790	9742215,914	4,987
A - P19E2 - NA	370183,615	9742218,931	4,462
A - P19E3 -SU	370187,908	9742221,155	3,879
A - 7724	370189,606	9742222,034	3,852
A - P19E4 -SU	370191,250	9742222,886	3,725
A - 7728	370207,752	9742231,434	2,462
A - 7729	370211,100	9742233,168	2,392
A - 7730	370214,693	9742235,030	2,332
A - 7731	370218,044	9742236,765	2,312
A - 7732	370221,836	9742238,729	2,262
A - 7733	370225,873	9742240,821	2,222
A - 7734	370230,393	9742243,162	2,152
A - 7735	370235,102	9742245,601	2,102
A - 7736	370239,895	9742248,084	2,072
A - 7737	370244,728	9742250,587	1,982
A - 7738	370249,514	9742253,067	1,892
A - 7739	370254,266	9742255,528	1,812
A - 7740	370259,018	9742257,990	1,672
A - 7741	370263,649	9742260,388	1,562
A - 7742	370268,831	9742263,072	1,422
A - 7743	370274,568	9742266,044	1,242
A - 7744	370280,908	9742269,328	1,062
A - 7745	370287,680	9742272,836	0,872
A - 7746	370294,694	9742276,470	0,792
A - 7747	370301,894	9742280,199	0,642
A - 7748	370309,151	9742283,958	0,612
A - 7749	370316,275	9742287,648	0,552
A - 7750	370323,336	9742291,306	0,472
A - 7751	370330,286	9742294,906	0,332
A - 7752	370337,220	9742298,497	0,232
A - 7753	370344,232	9742302,130	0,072
A - 7754	370351,276	9742305,778	0,142
A - 7755	370358,391	9742309,464	0,162
A - 7756	370365,614	9742313,205	0,122
A - 7757	370372,964	9742317,013	0,142
A - 7758	370380,283	9742320,804	0,152
A - 7759	370387,720	9742324,656	0,202
A - 7760	370395,520	9742328,696	0,242
A - 7761	370403,552	9742332,857	0,342
A - 7762	370411,627	9742337,040	0,342
A - 7763	370419,890	9742341,320	0,382
A - 7764	370428,247	9742345,649	0,382
A - 7765	370436,530	9742349,939	0,352
A - 7766	370444,783	9742354,215	0,372
A - 7767	370453,093	9742358,519	0,382
A - 7768	370461,436	9742362,840	0,302
A - 7769	370469,839	9742367,193	0,362
A - 7770	370478,281	9742371,566	0,402
A - 7771	370486,722	9742375,939	0,412
A - 7772	370494,964	9742380,208	0,362
A - 7773	370502,809	9742384,272	0,342
A - 7774	370510,094	9742388,045	0,372
A - 7775	370516,897	9742391,569	0,422
A - 7776	370523,636	9742395,060	0,432
A - 7777	370530,773	9742398,757	0,422
A - 7778	370537,702	9742402,346	0,422
A - 7779	370544,380	9742405,805	0,372
A - 7780	370551,260	9742409,369	0,412
A - 7781	370558,138	9742412,931	0,412
A - 7782	370565,098	9742416,537	0,442
A - 7783	370572,111	9742420,170	0,432
A - 7784	370579,122	9742423,801	0,402
A - 7785	370586,114	9742427,423	0,432
A - 7786	370592,984	9742430,982	0,432
A - 7787	370599,728	9742434,475	0,462
A - 7788	370606,432	9742437,948	0,442
A - 7789	370613,057	9742441,380	0,442
A - 7790	370619,745	9742444,843	0,452
A - 7791	370626,328	9742448,254	0,402
A - 7792	370632,905	9742451,660	0,402
A - 7793	370639,649	9742455,154	0,402
A - 7794	370646,350	9742458,625	0,412
A - 7795	370652,934	9742462,035	0,342
A - 7796	370659,517	9742465,446	0,372

PONTO	E	N	COTA
A - 7797	370666,129	9742468,870	0,302
A - 7798	370672,904	9742472,380	0,212
A - 7799	370679,770	9742475,936	0,322
A - 7800	370686,680	9742479,515	0,352
A - 7801	370693,674	9742483,139	0,372
A - 7802	370700,660	9742486,757	0,352
A - 7803	370707,724	9742490,416	0,352
A - 7804	370714,752	9742494,057	0,282
A - 7805	370721,762	9742497,688	0,312
A - 7806	370728,663	9742501,263	0,322
A - 7807	370735,403	9742504,754	0,282
A - 7808	370741,980	9742508,161	0,282
A - 7809	370748,588	9742511,583	0,292
A - 7810	370754,946	9742514,877	0,212
A - 7811	370761,071	9742518,050	0,212
A - 7812	370767,182	9742521,215	0,192
A - 7813	370773,521	9742524,499	0,152
A - 7814	370780,066	9742527,889	0,182
A - 7815	370786,970	9742531,465	0,122
A - 7816	370793,974	9742535,093	0,162
A - 7817	370800,962	9742538,713	0,082
A - 7818	370807,736	9742542,222	0,082
A - 7819	370814,448	9742545,699	0,012
A - 7820	370821,443	9742549,322	0,032
A - 7821	370828,650	9742553,055	0,042
A - 7822	370835,884	9742556,802	0,052
A - 7823	370843,206	9742560,595	-0,088
A - 7824	370850,367	9742564,304	-0,048
A - 7825	370857,652	9742568,078	-0,078
A - 7826	370865,288	9742572,033	-0,108
A - 7827	370873,059	9742576,059	-0,138
A - 7828	370880,940	9742580,141	-0,118
A - 7829	370888,923	9742584,276	-0,188
A - 7830	370896,971	9742588,445	-0,208
A - 7831	370904,950	9742592,578	-0,208
A - 7832	370912,948	9742596,721	-0,298
A - 7833	370920,800	9742600,789	-0,348
A - 7834	370928,691	9742604,876	-0,488
A - 7835	370936,620	9742608,983	-0,518
A - 7836	370944,570	9742613,101	-0,488
A - 7837	370952,612	9742617,267	-0,488
A - 7838	370960,721	9742621,467	-0,898
A - 7839	370968,734	9742625,618	-0,818
A - 7840	370976,852	9742629,823	-0,758
A - 7841	370985,082	9742634,086	-0,678
A - 7842	370993,373	9742638,381	-0,728
A - 7843	371001,747	9742642,719	-0,758
A - 7844	371010,103	9742647,047	-0,838
A - 7845	371018,374	9742651,331	-0,798
A - 7846	371026,728	9742655,658	-0,808
A - 7847	371035,024	9742659,956	-0,938
A - 7848	371043,311	9742664,248	-0,918
A - 7849	371051,510	9742668,495	-0,978
A - 7850	371059,354	9742672,558	-0,998
A - 7851	371067,227	9742676,637	-1,058
A - 7852	371074,755	9742680,536	-1,178
A - 7853	371082,372	9742684,482	-1,218
A - 7854	371090,160	9742688,516	-1,238
A - 7855	371098,144	9742692,651	-1,468
A - 7856	371106,407	9742696,932	-1,418
A - 7857	371114,680	9742701,217	-1,448
A - 7858	371123,432	9742705,751	-1,518
A - 7859	371132,461	9742710,427	-1,648
A - 7860	371141,632	9742715,178	-1,668
A - 7861	371150,980	9742720,020	-1,808
A - 7862	371160,451	9742724,926	-1,858
A - 7863	371170,086	9742729,917	-1,948
A - 7864	371179,802	9742734,950	-2,058
A - 7865	371189,572	9742740,010	-2,128
A - 7866	371199,154	9742744,974	-2,188
A - 7867	371208,849	9742749,996	-2,228
A - 7868	371218,892	9742755,198	-2,318
A - 7869	371229,177	9742760,526	-2,428
A - 7870	371239,674	9742765,963	-2,508
A - 7871	371250,291	9742771,463	-2,678
A - 7872	371261,004	9742777,012	-2,808
A - 7873	371271,610	9742782,506	-2,838
A - 7874	371282,389	9742788,089	-2,958
A - 7875	371293,202	9742793,690	-3,048
A - 7876	371304,006	9742799,287	-3,178
A - 7877	371314,905	9742804,932	-3,258
A - 7878	371325,862	9742810,608	-3,248
A - 7879	371336,811	9742816,279	-3,378

PONTO	E	N	COTA
A - 7880	371347,681	9742821,910	-3,248
A - 7881	371358,641	9742827,587	-3,288
A - 7882	371369,531	9742833,228	-3,448
A - 7883	371380,482	9742838,900	-3,458
A - 7884	371391,517	9742844,617	-3,458
A - 7885	371402,592	9742850,354	-3,708
A - 7886	371413,701	9742856,108	-3,838
A - 7887	371424,759	9742861,836	-3,948
A - 7888	371435,860	9742867,586	-4,018
A - 7889	371446,896	9742873,303	-4,128
A - 7890	371457,819	9742878,961	-4,288
A - 7891	371468,646	9742884,569	-4,358
A - 7892	371479,468	9742890,175	-4,398
A - 7893	371490,439	9742895,857	-4,368
A - 7894	371501,562	9742901,619	-4,528
A - 7895	371512,542	9742907,307	-4,758
A - 7896	371523,553	9742913,011	-4,808
A - 7897	371534,450	9742918,655	-4,808
A - 7898	371545,399	9742924,326	-4,668
A - 7899	371556,486	9742930,070	-4,598
A - 7900	371567,513	9742935,782	-4,798
A - 7901	371578,627	9742941,538	-5,008
A - 7902	371589,760	9742947,305	-5,028
A - 7903	371600,901	9742953,076	-5,008
A - 7904	371611,893	9742958,770	-5,068
A - 7905	371622,818	9742964,429	-5,138
A - 7906	371633,848	9742970,143	-5,208
A - 7907	371644,813	9742975,823	-5,288
A - 7908	371655,659	9742981,441	-5,398
A - 7909	371666,485	9742987,049	-5,398
A - 7910	371677,385	9742992,694	-5,498
A - 7911	371688,418	9742998,409	-5,528
A - 7912	371699,422	9743004,110	-5,538
A - 7913	371710,433	9743009,813	-5,568
A - 7914	371721,576	9743015,585	-5,608
A - 7915	371732,696	9743021,345	-5,888
A - 7916	371743,668	9743027,029	-5,728
A - 7917	371754,550	9743032,666	-5,768
A - 7918	371765,289	9743038,228	-5,768
A - 7919	371776,114	9743043,836	-5,898
A - 7920	371786,907	9743049,426	-5,898
A - 7921	371797,726	9743055,030	-5,878
A - 7922	371808,662	9743060,695	-5,708
A - 7923	371819,662	9743066,393	-5,828
A - 7924	371830,658	9743072,089	-5,908
A - 7925	371841,761	9743077,841	-6,038
A - 7926	371852,716	9743083,515	-6,138
A - 7927	371863,630	9743089,168	-6,158
A - 7928	371874,548	9743094,824	-6,148
A - 7929	371885,477	9743100,485	-6,328
A - 7930	371896,600	9743106,246	-6,308
A - 7931	371907,737	9743112,016	-6,328
A - 7932	371918,947	9743117,822	-6,418
A - 7933	371930,005	9743123,550	-6,488
A - 7934	371940,967	9743129,229	-6,518
A - 7935	371951,873	9743134,878	-6,518
A - 7936	371962,423	9743140,343	-6,548
A - 7937	371972,915	9743145,777	-6,638
A - 7938	371983,527	9743151,274	-6,848
A - 7939	371994,447	9743156,931	-6,958
A - 7940	372005,394	9743162,601	-6,948
A - 7941	372016,428	9743168,317	-6,878
A - 7942	372027,415	9743174,008	-7,048
A - 7943	372038,486	9743179,743	-7,198
A - 7944	372049,295	9743185,341	-7,188
A - 7945	372059,931	9743190,851	-7,148
A - 7946	372070,476	9743196,313	-7,058
A - 7947	372081,159	9743201,847	-7,148
A - 7948	372091,999	9743207,462	-7,258
A - 7949	372103,018	9743213,170	-7,248
A - 7950	372114,086	9743218,903	-7,298
A - 7951	372125,082	9743224,599	-7,328
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A - 7953	372146,937	9743235,920	-7,468
A - 7954	372157,839	9743241,567	-7,478
A - 7955	372168,492	9743247,085	-7,688
A - 7956	372178,718	9743252,382	-7,928
A - 7957	372188,755	9743257,581	-7,888
A - 7958	372198,856	9743262,813	-7,828
A - 7959	372209,184	9743268,163	-7,838
A - 7960	372219,633	9743273,575	-7,848
A - 7961	372230,312	9743279,107	-7,918
A - 7962	372241,151	9743284,722	-7,808

A - 7963	372252,147	9743290,418	-7,748
A - 7964	372263,232	9743296,160	-7,858
A - 7965	372274,284	9743301,885	-7,878
A - 7966	372285,301	9743307,591	-7,898
A - 7967	372296,092	9743313,181	-8,038
A - 7968	372306,994	9743318,828	-8,038
A - 7969	372317,877	9743324,466	-8,078
A - 7970	372328,734	9743330,089	-8,128
A - 7971	372339,617	9743335,727	-8,228
A - 7972	372350,570	9743341,400	-8,198
A - 7973	372361,560	9743347,093	-8,178
A - 7974	372372,535	9743352,778	-8,178
A - 7975	372383,534	9743358,475	-8,258
A - 7976	372394,627	9743364,222	-8,258
A - 7977	372405,914	9743370,068	-8,218
A - 7978	372416,925	9743375,772	-8,258
A - 7979	372427,940	9743381,477	-8,348
A - 7980	372438,799	9743387,102	-8,478
A - 7981	372449,569	9743392,681	-8,568
A - 7982	372460,373	9743398,277	-8,558
A - 7983	372471,326	9743403,951	-8,478
A - 7984	372482,397	9743409,686	-8,688
A - 7985	372493,467	9743415,420	-8,718
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A - 7987	372515,294	9743426,726	-8,848
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A - 7990	372559,894	9743449,829	-9,088
A - 7991	372571,021	9743455,592	-9,118
A - 7992	372581,706	9743461,127	-9,208
A - 7993	372592,252	9743466,590	-9,178
A - 7994	372603,294	9743472,309	-9,208
A - 7995	372614,445	9743478,086	-9,278
A - 7996	372625,725	9743483,929	-9,388
A - 7997	372637,019	9743489,779	-9,318
A - 7998	372648,384	9743495,666	-9,258
A - 7999	372659,863	9743501,612	-9,278
A - 8000	372671,195	9743507,482	-9,408
A - 8001	372682,314	9743513,241	-9,418
A - 8002	372693,346	9743518,956	-9,418
A - 8003	372727,085	9743536,433	-9,538
A - 8004	372738,510	9743542,351	-9,548
A - 8005	372749,880	9743548,240	-9,598
A - 8006	372761,025	9743554,013	-9,578
A - 8007	372772,263	9743559,834	-9,558
A - 8008	372783,626	9743565,720	-9,638
A - 8009	372795,049	9743571,637	-9,628
A - 8010	372806,516	9743577,577	-9,608
A - 8011	372817,997	9743583,524	-9,578
A - 8012	372829,475	9743589,470	-9,608
A - 8013	372840,917	9743595,397	-9,648
A - 8014	372852,066	9743601,172	-9,628
A - 8015	372863,119	9743606,897	-9,418
A - 8016	372873,799	9743612,430	-9,628
A - 8017	372884,620	9743618,035	-9,628
A - 8018	372895,865	9743623,860	-9,548
A - 8019	372907,372	9743629,820	-9,568
A - 8020	372918,922	9743635,803	-9,558
A - 8021	372930,208	9743641,649	-9,388
A - 8022	372941,433	9743647,463	-9,418
A - 8023	372952,712	9743653,306	-9,318
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A - 8025	372975,101	9743664,903	-9,298
A - 8026	372985,902	9743670,498	-9,248
A - 8027	372996,943	9743676,217	-9,148
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A - 8030	373030,754	9743693,731	-8,908
A - 8031	373042,320	9743699,722	-8,918
A - 8032	373053,628	9743705,580	-8,938
A - 8033	373064,266	9743711,090	-8,788
A - 8034	373074,902	9743716,600	-8,678
A - 8035	373086,038	9743722,368	-8,648
A - 8036	373097,232	9743728,166	-8,628
A - 8037	373108,278	9743733,888	-8,358
A - 8038	373119,254	9743739,574	-8,348
A - 8039	373130,456	9743745,376	-8,298
A - 8040	373141,757	9743751,230	-8,138
A - 8041	373153,175	9743757,144	-7,988
A - 8042	373164,782	9743763,157	-7,888
A - 8043	373176,356	9743769,152	-7,868
A - 8044	373187,941	9743775,153	-7,738
A - 8045	373199,796	9743781,294	-7,618
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A - 8049	373245,494	9743804,965	-7,258
A - 8050	373256,966	9743810,908	-6,998
A - 8051	373268,311	9743816,784	-6,828
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A - 8054	373301,584	9743834,019	-6,558
A - 8055	373312,608	9743839,730	-6,518
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A - 8058	373344,191	9743856,090	-5,968
A - 8059	373354,803	9743861,586	-5,838
A - 8060	373365,240	9743866,993	-5,678
A - 8061	373375,947	9743872,539	-5,518
A - 8062	373387,025	9743878,277	-5,398
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A - 8064	373409,362	9743889,848	-5,178
A - 8065	373420,609	9743895,673	-4,928
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A - 8067	373443,422	9743907,491	-4,688
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A - 8070	373477,865	9743925,332	-4,288
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A - 8075	373533,507	9743954,154	-3,948
A - 8076	373544,507	9743959,852	-3,478
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A - 8079	373579,159	9743977,801	-3,348
A - 8080	373590,568	9743983,711	-3,228
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A - 8082	373613,442	9743995,560	-2,948
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A - 8084	373636,429	9744007,467	-2,968
A - 8085	373648,003	9744013,462	-2,898
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A - 8088	373683,171	9744031,679	-2,888
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A - 8090	373706,069	9744043,540	-2,638
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A - 8092	373729,014	9744055,425	-2,608
A - 8093	373740,393	9744061,320	-2,498
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A - 8095	373763,013	9744073,037	-2,458
A - 8096	373774,430	9744078,951	-2,578
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A - 8098	373796,067	9744090,158	-2,408
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A - 8100	373817,493	9744101,257	-2,338
A - 8101	373828,790	9744107,109	-2,378
A - 8102	373839,918	9744112,873	-2,348
A - 8103	373850,761	9744118,490	-2,318
A - 8104	373861,679	9744124,145	-2,268
A - 8105	373872,979	9744129,998	-2,178
A - 8106	373884,510	9744135,972	-2,318
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A - 8108	373907,147	9744147,697	-2,328
A - 8109	373917,944	9744153,290	-2,238
A - 8110	373928,494	9744158,755	-2,248
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A - 8112	373949,716	9744169,747	-2,218
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A - 8114	373972,034	9744181,308	-2,278
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A - 8116	373988,013	9744189,585	-2,148
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A - 8122	374033,080	9744212,930	-2,058
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A - 8125	374061,669	9744227,739	-2,128
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A - 8127	374081,974	9744238,257	-2,168
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A - 8129	374102,851	9744249,071	-2,078
A - 8130	374113,780	9744254,732	-2,098
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A - 8132	374135,255	9744265,856	-2,128
A - 8133	374145,975	9744271,409	-2,148
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A - 8149	374307,770	9744355,218	-2,098
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A - 8152	374338,184	9744370,972	-2,058
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A - 8156	374378,598	9744391,906	-2,038
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A - 8160	374420,430	9744413,574	-2,188
A - 8161	374430,824	9744418,959	-2,188
A - 8162	374441,105	9744424,284	-2,178
A - 8163	374451,607	9744429,724	-2,158
A - 8164	374462,519	9744435,376	-2,178
A - 8165	374473,510	9744441,070	-2,158
A - 8166	374484,157	9744446,585	-2,138
A - 8167	374494,551	9744451,969	-2,238
A - 8168	374505,058	9744457,411	-2,308
A - 8169	374515,317	9744462,725	-2,348
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A - 8171	374535,793	9744473,332	-2,228
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A - 8173	374556,778	9744484,202	-2,508
A - 8174	374566,861	9744489,425	-2,308
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A - 8197	374821,216	9744621,179	-1,798
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A - 8202	374880,522	9744651,899	-1,748
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A - 8257	375538,984	9744992,978	-2,318
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A - 8259	375563,385	9745005,618	-2,448
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A - 8261	375587,416	9745018,066	-2,428
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A - 8290	375613,861	9745031,764	-2,418
A - 8289	375622,077	9745036,020	-2,308
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A - 8285	375652,301	9745051,676	-2,238
A - 8284	375659,780	9745055,550	-2,258
A - 8283	375667,363	9745059,478	-2,298
A - 8282	375674,794	9745063,327	-2,198
A - 8281	375681,587	9745066,846	-2,258
A - 8280	375688,665	9745070,512	-2,178
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A - 8277	375710,727	9745081,940	-2,178
A - 8276	375717,572	9745085,486	-2,038
A - 8275	375724,412	9745089,029	-1,998
A - 8266	375728,616	9745091,207	-2,258
A - 8267	375741,231	9745097,741	-2,208
A - 8268	375765,995	9745110,569	-2,068
A - 8269	375778,159	9745116,870	-2,138
A - 8270	375790,113	9745123,062	-2,148
A - 8271	375801,896	9745129,165	-2,028
A - 8301	375803,907	9745130,207	-1,848
A - 8302	375812,230	9745134,518	-1,858
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A - 8304	375830,379	9745143,920	-1,598
A - 8305	375840,254	9745149,034	-1,588
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A - 8307	375860,528	9745159,537	-1,558
A - 8308	375870,315	9745164,606	-1,398
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A - 8310	375889,852	9745174,726	-1,348
A - 8311	375899,559	9745179,754	-1,258
A - 8312	375909,126	9745184,710	-1,118
A - 8313	375918,186	9745189,403	-1,128
A - 8314	375927,155	9745194,049	-1,138
A - 8315	375936,872	9745199,082	-1,068
A - 8316	375946,416	9745204,026	-1,018
A - 8317	375955,699	9745208,834	-1,038
A - 8318	375965,211	9745213,761	-1,038
A - 8319	375975,543	9745219,113	-1,158
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A - 8322	376006,735	9745235,271	-0,948
A - 8323	376017,128	9745240,654	-0,978
A - 8324	376027,402	9745245,976	-0,938
A - 8325	376036,818	9745250,853	-0,948
A - 8326	376045,147	9745255,168	-0,948
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A - 8330	376074,874	9745270,566	-0,988
A - 8331	376083,916	9745275,250	-1,048
A - 8332	376092,617	9745279,757	-1,018
A - 8333	376100,565	9745283,874	-0,948
A - 8334	376108,514	9745287,992	-0,968
A - 8335	376116,716	9745292,240	-1,008
A - 8336	376125,166	9745296,617	-1,098
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A - 8338	376141,961	9745305,317	-1,138
A - 8339	376150,168	9745309,568	-0,998
A - 8340	376157,252	9745313,237	-0,968
A - 8341	376164,079	9745316,774	-1,078
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A - 8343	376178,564	9745324,277	-1,048
A - 8344	376186,354	9745328,312	-1,108
A - 8345	376193,885	9745332,213	-1,138
A - 8346	376201,154	9745335,979	-0,998
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A - 8348	376216,468	9745343,911	-1,098
A - 8349	376225,197	9745348,433	-1,108
A - 8350	376234,686	9745353,348	-1,148
A - 8351	376244,274	9745358,314	-1,098
A - 8352	376253,522	9745363,105	-1,058
A - 8353	376262,663	9745367,840	-1,008
A - 8354	376271,815	9745372,581	-1,148
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A - 8356	376290,232	9745382,120	-1,128
A - 8357	376298,982	9745386,653	-1,188
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A - 8359	376315,659	9745395,291	-0,938
A - 8360	376323,497	9745399,351	-1,148
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A - 8364	376358,660	9745417,565	-1,038
A - 8365	376368,548	9745422,687	-1,038
A - 8366	376378,541	9745427,864	-0,958
A - 8367	376388,151	9745432,842	-0,928
A - 8368	376397,854	9745437,868	-0,968
A - 8369	376407,675	9745442,955	-0,968
A - 8370	376416,922	9745447,745	-0,938
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A - 8372	376434,375	9745456,785	-0,808
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A - 8378	376490,213	9745485,709	-0,928
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A - 8380	376510,042	9745495,981	-0,848
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A - 8382	376529,672	9745506,149	-0,828
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A - 8384	376547,813	9745515,546	-0,758
A - 8385	376557,120	9745520,366	-0,758
A - 8386	376566,632	9745525,293	-0,748
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A - 8390	376605,934	9745545,652	-0,658
A - 8391	376615,630	9745550,674	-0,648
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A - 8397	376679,940	9745583,987	-0,678
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A - 8400	376714,644	9745601,963	-0,648
A - 8401	376725,128	9745607,394	-0,588
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A - 8405	376765,952	9745628,540	-0,578
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A - 8407	376787,768	9745639,841	-0,688
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A - 8411	376828,956	9745661,176	-0,578
A - 8412	376839,452	9745666,613	-0,548
A - 8413	376849,696	9745671,919	-0,588
A - 8414	376859,956	9745677,234	-0,558
A - 8415	376870,403	9745682,645	-0,568
A - 8416	376880,987	9745688,127	-0,708
A - 8417	376891,553	9745693,601	-0,658
A - 8418	376901,826	9745698,922	-0,588
A - 8419	376911,507	9745703,937	-0,608
A - 8420	376921,943	9745709,343	-0,598
A - 8421	376932,891	9745715,014	-0,758
A - 8422	376944,100	9745720,820	-0,798
A - 8423	376955,742	9745726,850	-0,788
A - 8424	376967,359	9745732,868	-0,758
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A - 8426	376990,186	9745744,692	-0,718
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A - 8428	377012,346	9745756,171	-0,858
A - 8429	377024,131	9745762,275	-0,858
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A - 8431	377048,331	9745774,811	-0,898
A - 8432	377060,053	9745780,883	-0,828
A - 8433	377071,588	9745786,858	-0,878
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A - 8435	377093,111	9745798,007	-0,848
A - 8436	377103,639	9745803,460	-0,808
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A - 8438	377125,259	9745814,659	-0,868
A - 8439	377136,933	9745820,706	-0,928
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A - 8441	377160,653	9745832,993	-0,938
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A - 8443	377182,007	9745844,054	-0,948
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A - 8449	377246,628	9745877,527	-0,898
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A - 8454	377288,994	9745899,473	-0,768
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A - 8458	377323,091	9745917,135	-1,068
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A - 8460	377342,812	9745927,350	-0,848
A - 8461	377352,755	9745932,501	-0,798
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A - 8463	377373,909	9745943,458	-0,758
A - 8464	377384,897	9745949,150	-0,688
A - 8465	377396,022	9745954,913	-0,668
A - 8466	377407,332	9745960,771	-0,848
A - 8467	377418,944	9745966,786	-0,828
A - 8468	377430,698	9745972,875	-0,788
A - 8469	377442,144	9745978,804	-0,668
A - 8470	377453,372	9745984,619	-0,718
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A - 8473	377487,970	9746002,541	-0,768
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A - 8475	377511,083	9746014,513	-0,818
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A - 8479	377558,293	9746038,968	-0,678
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A - 8490	377688,665	9746106,500	-0,658
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A - 8492	377711,233	9746118,190	-0,718
A - 8493	377722,443	9746123,997	-0,718
A - 8494	377733,861	9746129,911	-0,728
A - 8495	377745,795	9746136,093	-0,728
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A - 8498	377782,381	9746155,044	-1,198
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A - 8512	377950,902	9746242,337	-1,148
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A - 8533	378196,396	9746369,501	-1,188
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A - 8538	378252,939	9746398,790	-0,978
A - 8539	378263,709	9746404,369	-1,058
A - 8540	378273,995	9746409,697	-1,028
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A - 8545	378326,043	9746436,658	-1,148
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A - 8643	379445,841	9747016,706	-5,708
A - 8644	379456,484	9747022,219	-5,708
A - 8645	379466,823	9747027,574	-5,668
A - 8646	379477,574	9747033,143	-5,488
A - 8647	379489,296	9747039,216	-5,508
A - 8648	379501,146	9747045,354	-5,508
A - 8649	379512,904	9747051,444	-5,558
A - 8650	379524,927	9747057,672	-5,608
A - 8651	379536,551	9747063,693	-5,618
A - 8652	379547,964	9747069,605	-5,568
A - 8653	379558,869	9747075,254	-5,568
A - 8654	379569,835	9747080,934	-5,528
A - 8655	379580,525	9747086,472	-5,528
A - 8656	379591,447	9747092,129	-5,458
A - 8657	379602,495	9747097,852	-5,398
A - 8658	379613,880	9747103,749	-5,398
A - 8659	379625,244	9747109,635	-5,448
A - 8660	379636,715	9747115,577	-5,398
A - 8661	379648,078	9747121,464	-5,348
A - 8662	379659,330	9747127,292	-5,268
A - 8663	379670,501	9747133,078	-5,418
A - 8664	379681,683	9747138,870	-5,298
A - 8665	379692,876	9747144,668	-5,178
A - 8666	379703,861	9747150,358	-5,128
A - 8667	379714,871	9747156,062	-5,118
A - 8668	379725,751	9747161,698	-5,038
A - 8669	379736,689	9747167,363	-4,988
A - 8670	379747,674	9747173,054	-4,968
A - 8671	379758,804	9747178,819	-4,998
A - 8672	379769,689	9747184,457	-4,738
A - 8673	379781,083	9747190,359	-4,678
A - 8674	379792,001	9747196,015	-4,748
A - 8675	379803,389	9747201,913	-4,648
A - 8676	379814,681	9747207,763	-4,648
A - 8677	379826,244	9747213,752	-4,708
A - 8678	379838,121	9747219,904	-4,668
A - 8679	379849,857	9747225,984	-4,538
A - 8680	379861,628	9747232,081	-4,538
A - 8681	379873,416	9747238,187	-4,488
A - 8682	379884,861	9747244,116	-4,418
A - 8683	379896,022	9747249,897	-4,368
A - 8684	379907,639	9747255,914	-4,328
A - 8685	379919,533	9747262,075	-4,018
A - 8686	379931,633	9747268,343	-3,958
A - 8687	379943,779	9747274,635	-3,958
A - 8688	379956,409	9747281,177	-3,798
A - 8689	379968,221	9747287,295	-3,728
A - 8690	379980,059	9747293,427	-3,598
A - 8691	379991,360	9747299,281	-3,408
A - 8692	380002,125	9747304,858	-3,248
A - 8693	380012,768	9747310,371	-3,158
A - 8694	380023,748	9747316,058	-2,998
A - 8695	380035,616	9747322,206	-2,918
A - 8696	380047,143	9747328,177	-2,768
A - 8697	380058,361	9747333,987	-2,518
A - 8698	380070,021	9747340,027	-2,358
A - 8699	380081,003	9747345,716	-2,248
A - 8700	380092,517	9747351,680	-1,958
A - 8701	380104,038	9747357,648	-1,768
A - 8702	380116,141	9747363,917	-1,618
A - 8703	380128,292	9747370,211	-1,388
A - 8704	380140,231	9747376,396	-1,068
A - 8705	380152,746	9747382,878	-0,978
A - 8706	380164,354	9747388,891	-0,688
A - 8707	380175,963	9747394,904	-0,488
A - 8708	380187,845	9747401,060	-0,198
A - 8709	380199,423	9747407,057	-0,048
A - 8710	380210,903	9747413,003	0,122
A - 8711	380222,094	9747418,800	0,282
A - 8712	380232,626	9747424,256	0,492
A - 8713	380243,523	9747429,900	0,692
A - 8714	380254,864	9747435,775	0,772
A - 8715	380266,960	9747442,040	0,822
A - 8716	380279,007	9747448,281	1,022
A - 8717	380291,093	9747454,541	1,142
A - 8718	380303,120	9747460,771	1,302
A - 8719	380314,627	9747466,732	1,422
A - 8720	380326,415	9747472,838	1,522
A - 8721	380338,114	9747478,898	1,572
A - 8722	380349,990	9747485,049	1,702
A - 8723	380361,418	9747490,969	1,782
A - 8724	380372,385	9747496,650	1,892
A - 8725	380383,688	9747502,505	2,052
A - 8726	380395,239	9747508,488	2,052
A - 8727	380406,288	9747514,212	2,122
A - 8728	380416,132	9747519,310	2,192
A - 8729	380424,914	9747523,860	2,252
A - 8730	380432,765	9747527,926	2,332
A - 8731	380440,434	9747531,899	2,382
A - 8732	380448,280	9747535,963	2,482
A - 8733	380455,683	9747539,798	2,542

A - 8734	380462,756	9747543,462	2,582
A - P19D6 - SU	380485,482	9747555,233	2,209
A - P19D5 - NA	380488,410	9747556,750	3,280
A - P19D4	380489,429	9747557,278	4,170
A - S19D	380491,102	9747558,145	4,285
A - P19D3	380502,470	9747564,033	4,944
A - P19D2	380509,951	9747567,908	4,939
A - P19D1	380517,715	9747571,930	5,518
A - S19DA	380523,134	9747574,737	5,920

PONTO	E	N	COTA
A - P20E12	363496,940	9755771,288	21,383
A - P20E11	363499,244	9755772,465	16,899
A - P20E10	363500,373	9755773,043	14,674
A - P20E9	363502,785	9755774,276	10,557
A - P20E8	363506,236	9755776,040	8,973
A - P20E7	363508,349	9755777,121	5,544
A - P20E6	363512,040	9755779,008	4,712
A - S20E	363515,300	9755780,674	4,522
A - P20E5	363519,201	9755782,669	4,141
A - P20E2 - NA	363521,759	9755783,977	4,063
A - P20E3 - SU	363526,265	9755786,281	3,443
A - P20E4 - SU	363529,439	9755787,903	3,181
A - 6809	363544,159	9755795,429	2,403
A - 6810	363549,769	9755798,297	2,313
A - 6811	363553,240	9755800,072	2,293
A - 6812	363557,291	9755802,143	2,303
A - 6813	363562,348	9755804,729	2,283
A - 6814	363567,962	9755807,599	2,243
A - 6815	363573,832	9755810,600	2,233
A - 6816	363579,694	9755813,597	2,213
A - 6817	363585,676	9755816,656	2,203
A - 6818	363590,958	9755819,356	2,183
A - 6819	363595,908	9755821,887	2,163
A - 6820	363601,336	9755824,662	2,163
A - 6821	363607,179	9755827,650	2,143
A - 6822	363613,328	9755830,793	2,113
A - 6823	363619,544	9755833,971	2,093
A - 6824	363625,902	9755837,222	2,093
A - 6825	363632,209	9755840,447	2,063
A - 6826	363638,554	9755843,690	2,053
A - 6827	363644,880	9755846,925	2,033
A - 6828	363650,797	9755849,950	2,023
A - 6829	363656,537	9755852,885	1,993
A - 6830	363662,280	9755855,821	1,983
A - 6831	363668,261	9755858,879	1,983
A - 6832	363674,430	9755862,033	1,933
A - 6833	363680,623	9755865,199	1,913
A - 6834	363686,847	9755868,381	1,893
A - 6835	363692,953	9755871,503	1,873
A - 6836	363699,117	9755874,654	1,863
A - 6837	363705,331	9755877,831	1,833
A - 6838	363711,734	9755881,105	1,833
A - 6839	363717,776	9755884,194	1,813
A - 6840	363723,599	9755887,171	1,793
A - 6841	363729,896	9755890,391	1,793
A - 6842	363736,405	9755893,718	1,793
A - 6843	363741,869	9755896,512	1,773
A - 6844	363747,165	9755899,220	1,773
A - 6845	363752,842	9755902,122	1,753
A - 6846	363759,130	9755905,337	1,733
A - 6847	363766,033	9755908,866	1,723
A - 6848	363773,248	9755912,555	1,713
A - 6849	363780,472	9755916,249	1,693
A - 6850	363787,586	9755919,886	1,733
A - 6851	363794,667	9755923,506	1,723
A - 6852	363801,120	9755926,806	1,713
A - 6853	363807,073	9755929,849	1,713
A - 6854	363812,921	9755932,839	1,683
A - 6855	363819,040	9755935,967	1,683
A - 6856	363825,378	9755939,208	1,663
A - 6857	363831,937	9755942,561	1,643
A - 6858	363838,559	9755945,947	1,613
A - 6859	363845,022	9755949,251	1,573
A - 6860	363851,329	9755952,475	1,563
A - 6861	363857,758	9755955,763	1,533
A - 6862	363864,359	9755959,138	1,443
A - 6863	363871,229	9755962,650	1,303
A - 6864	363878,138	9755966,182	1,073
A - 6865	363885,268	9755969,828	0,823
A - 6866	363892,512	9755973,531	0,353
A - 6867	363899,728	9755977,221	-0,517
A - 6868	363906,908	9755980,892	-1,147
A - 6869	363913,966	9755984,500	-2,717
A - 6870	363920,719	9755987,953	-3,497
A - 6871	363927,442	9755991,390	-3,957
A - 6872	363934,077	9755994,782	-4,047
A - 6873	363940,547	9755998,090	-4,137
A - 6874	363947,237	9756001,510	-4,267
A - 6875	363953,813	9756004,872	-4,507
A - 6876	363960,530	9756008,307	-4,627
A - 6877	363967,400	9756011,819	-4,767
A - 6878	363974,086	9756015,238	-4,837
A - 6879	363980,881	9756018,711	-4,987

PONTO	E	N	COTA
A - 6880	363987,079	9756021,880	-5,107
A - 6881	363994,002	9756025,420	-5,217
A - 6882	364001,700	9756029,355	-5,217
A - 6883	364008,937	9756033,056	-5,417
A - 6884	364016,391	9756036,867	-5,567
A - 6885	364023,833	9756040,671	-5,637
A - 6886	364031,415	9756044,548	-5,837
A - 6887	364038,935	9756048,393	-5,927
A - 6888	364046,066	9756052,039	-6,067
A - 6889	364053,306	9756055,740	-6,087
A - 6890	364060,857	9756059,601	-6,277
A - 6891	364068,321	9756063,417	-6,257
A - 6892	364075,441	9756067,057	-6,337
A - 6893	364082,333	9756070,581	-6,407
A - 6894	364089,312	9756074,149	-6,597
A - 6895	364096,317	9756077,730	-6,667
A - 6896	364103,356	9756081,329	-6,817
A - 6897	364110,322	9756084,891	-7,117
A - 6898	364116,942	9756088,275	-6,867
A - 6899	364123,908	9756091,837	-6,847
A - 6900	364131,049	9756095,488	-6,937
A - 6901	364138,190	9756099,139	-6,977
A - 6902	364145,470	9756102,861	-7,047
A - 6903	364152,710	9756106,562	-7,027
A - 6904	364160,099	9756110,340	-7,107
A - 6905	364167,475	9756114,111	-7,087
A - 6906	364174,725	9756117,818	-7,037
A - 6907	364182,041	9756121,558	-7,087
A - 6908	364189,401	9756125,321	-7,257
A - 6909	364196,838	9756129,123	-7,347
A - 6910	364204,051	9756132,811	-7,247
A - 6911	364211,201	9756136,467	-7,327
A - 6912	364218,359	9756140,126	-7,447
A - 6913	364225,808	9756143,935	-7,517
A - 6914	364233,031	9756147,628	-7,587
A - 6915	364240,067	9756151,225	-7,627
A - 6916	364247,005	9756154,772	-7,667
A - 6917	364253,460	9756158,073	-7,707
A - 6918	364260,575	9756161,710	-7,817
A - 6919	364268,307	9756165,663	-7,877
A - 6920	364276,007	9756169,600	-7,917
A - 6921	364283,966	9756173,669	-7,947
A - 6922	364292,078	9756177,817	-8,017
A - 6923	364300,355	9756182,049	-8,057
A - 6924	364308,209	9756186,064	-8,297
A - 6925	364315,521	9756189,802	-8,187
A - 6926	364323,072	9756193,663	-8,267
A - 6927	364330,833	9756197,631	-8,257
A - 6928	364338,725	9756201,666	-8,347
A - 6929	364346,495	9756205,638	-8,407
A - 6930	364353,633	9756209,288	-8,647
A - 6931	364360,058	9756212,573	-8,667
A - 6932	364365,865	9756215,542	-8,647
A - 6933	364372,310	9756218,837	-8,697
A - 6934	364379,387	9756222,455	-8,707
A - 6935	364386,993	9756226,343	-8,627
A - 6936	364394,957	9756230,415	-8,827
A - 6937	364403,341	9756234,702	-8,697
A - 6938	364412,012	9756239,135	-8,897
A - 6939	364420,934	9756243,697	-9,087
A - 6940	364429,900	9756248,281	-9,147
A - 6941	364438,522	9756252,689	-9,167
A - 6942	364446,179	9756256,604	-9,227
A - 6943	364454,051	9756260,628	-9,277
A - 6944	364462,736	9756265,068	-9,357
A - 6945	364471,829	9756269,718	-9,687
A - 6946	364480,957	9756274,385	-9,617
A - 6947	364489,759	9756278,885	-9,627
A - 6948	364498,315	9756283,259	-9,787
A - 6949	364506,719	9756287,556	-9,767
A - 6950	364515,205	9756291,894	-9,817
A - 6951	364524,352	9756296,571	-9,967
A - 6952	364533,910	9756301,458	-9,967
A - 6953	364543,787	9756306,507	-9,997
A - 6954	364553,926	9756311,691	-10,127
A - 6955	364564,033	9756316,859	-10,237
A - 6956	364573,905	9756321,906	-10,257
A - 6957	364583,712	9756326,920	-10,327
A - 6958	364592,647	9756331,488	-10,407
A - 6959	364601,142	9756335,831	-10,457
A - 6960	364610,237	9756340,481	-10,457
A - 6961	364619,430	9756345,181	-10,517
A - 6962	364627,731	9756349,426	-10,617

PONTO	E	N	COTA
A - 6963	364635,297	9756353,294	-10,667
A - 6964	364642,725	9756357,091	-10,717
A - 6965	364650,832	9756361,236	-10,787
A - 6966	364659,023	9756365,424	-10,907
A - 6967	364667,516	9756369,766	-10,947
A - 6968	364676,470	9756374,344	-11,047
A - 6969	364685,177	9756378,796	-11,147
A - 6970	364692,944	9756382,767	-11,227
A - 6971	364700,141	9756386,446	-11,247
A - 6972	364707,873	9756390,399	-11,307
A - 6973	364716,226	9756394,670	-11,427
A - 6974	364725,082	9756399,198	-11,507
A - 6975	364734,216	9756403,868	-11,507
A - 6976	364743,642	9756408,687	-11,537
A - 6977	364753,236	9756413,592	-11,677
A - 6978	364763,075	9756418,623	-11,737
A - 6979	364772,879	9756423,635	-11,727
A - 6980	364782,541	9756428,575	-11,797
A - 6981	364791,607	9756433,210	-11,927
A - 6982	364799,872	9756437,436	-12,057
A - 6983	364807,901	9756441,541	-12,157
A - 6984	364815,988	9756445,675	-12,197
A - 6985	364823,947	9756449,745	-12,137
A - 6986	364832,301	9756454,016	-12,307
A - 6987	364840,634	9756458,276	-12,437
A - 6988	364849,638	9756462,879	-12,487
A - 6989	364858,120	9756467,216	-12,507
A - 6990	364865,390	9756470,933	-12,587
A - 6991	364872,808	9756474,726	-12,597
A - 6992	364881,324	9756479,080	-12,677
A - 6993	364890,829	9756483,939	-12,737
A - 6994	364900,983	9756489,130	-12,737
A - 6995	364911,193	9756494,351	-12,807
A - 6996	364921,186	9756499,460	-12,837
A - 6997	364930,712	9756504,330	-13,067
A - 6998	364939,949	9756509,053	-13,177
A - 6999	364948,802	9756513,579	-13,337
A - 7000	364957,050	9756517,796	-13,237
A - 7001	364964,544	9756521,627	-13,237
A - 7002	364972,620	9756525,756	-13,317
A - 7003	364981,489	9756530,291	-13,357
A - 7004	364990,486	9756534,891	-13,497
A - 7005	364999,725	9756539,614	-13,577
A - 7006	365009,318	9756544,519	-13,517
A - 7007	365019,092	9756549,516	-13,577
A - 7008	365028,772	9756554,465	-13,557
A - 7009	365038,426	9756559,401	-13,657
A - 7010	365048,050	9756564,321	-13,737
A - 7011	365057,683	9756569,246	-13,877
A - 7012	365067,155	9756574,089	-13,867
A - 7013	365076,743	9756578,991	-13,817
A - 7014	365086,193	9756583,823	-13,897
A - 7015	365094,970	9756588,310	-13,947
A - 7016	365103,946	9756592,899	-14,177
A - 7017	365112,335	9756597,188	-14,177
A - 7018	365120,414	9756601,318	-14,197
A - 7019	365129,057	9756605,738	-14,317
A - 7020	365138,118	9756610,370	-14,287
A - 7021	365147,288	9756615,058	-14,287
A - 7022	365155,683	9756619,351	-14,357
A - 7023	365162,649	9756622,912	-14,557
A - 7024	365169,136	9756626,228	-14,647
A - 7025	365176,113	9756629,796	-14,687
A - 7026	365184,164	9756633,912	-14,667
A - 7027	365193,082	9756638,471	-14,637
A - 7028	365202,136	9756643,100	-14,657
A - 7029	365210,786	9756647,523	-14,717
A - 7030	365218,718	9756651,578	-14,757
A - 7031	365226,430	9756655,521	-14,917
A - 7032	365233,395	9756659,082	-14,947
A - 7033	365239,653	9756662,282	-14,977
A - 7034	365245,918	9756665,485	-14,957
A - 7035	365252,118	9756668,655	-15,017
A - 7036	365257,575	9756671,445	-14,947
A - 7037	365262,658	9756674,043	-14,937
A - 7038	365269,526	9756677,555	-15,057
A - 7039	365277,159	9756681,457	-15,237
A - 7040	365284,070	9756684,991	-15,117
A - 7041	365291,729	9756688,907	-15,087
A - 7042	365299,534	9756692,897	-15,207
A - 7043	365307,024	9756696,727	-15,127
A - 7044	365314,563	9756700,581	-15,077
A - 7045	365320,818	9756703,779	-15,067

A - 7046	365327,623	9756707,258	-15,127
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A - 7397	368545,182	9758352,294	-16,277
A - 7398	368553,226	9758356,407	-16,207
A - 7399	368560,951	9758360,357	-16,167
A - 7400	368569,032	9758364,488	-16,107
A - 7401	368577,120	9758368,623	-16,217
A - 7402	368584,951	9758372,627	-16,117
A - 7403	368592,928	9758376,705	-16,137
A - 7404	368600,990	9758380,827	-16,187
A - 7405	368608,857	9758384,849	-16,087
A - 7406	368616,795	9758388,908	-16,137
A - 7407	368624,930	9758393,067	-16,187
A - 7408	368633,031	9758397,208	-16,277
A - 7409	368641,112	9758401,340	-16,197
A - 7410	368649,406	9758405,581	-16,137
A - 7411	368657,737	9758409,840	-16,167
A - 7412	368666,183	9758414,158	-16,127
A - 7413	368674,347	9758418,332	-16,167
A - 7414	368682,427	9758422,463	-16,137
A - 7415	368690,371	9758426,525	-16,207
A - 7416	368698,077	9758430,465	-16,137
A - 7417	368705,298	9758434,156	-16,317
A - 7418	368712,532	9758437,855	-16,507
A - 7419	368720,409	9758441,882	-16,327
A - 7420	368728,846	9758446,196	-16,087
A - 7421	368737,767	9758450,757	-16,347
A - 7422	368746,904	9758455,428	-16,127
A - 7423	368755,711	9758459,931	-16,057
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A - 7425	368771,854	9758468,185	-16,017
A - 7426	368779,219	9758471,950	-16,197
A - 7427	368786,090	9758475,463	-16,067
A - 7428	368792,919	9758478,954	-16,037
A - 7429	368800,223	9758482,688	-15,997
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A - 7431	368815,179	9758490,335	-16,037
A - 7432	368822,508	9758494,082	-15,947
A - 7433	368829,792	9758497,807	-16,067
A - 7434	368837,392	9758501,692	-16,047
A - 7435	368845,124	9758505,645	-16,017
A - 7436	368852,863	9758509,602	-15,997
A - 7437	368860,648	9758513,582	-16,097
A - 7438	368868,454	9758517,573	-16,007
A - 7439	368876,088	9758521,476	-15,977
A - 7440	368883,811	9758525,424	-15,997
A - 7441	368891,696	9758529,456	-16,147
A - 7442	368899,731	9758533,564	-15,997
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A - 7444	368915,107	9758541,425	-15,937
A - 7445	368923,035	9758545,479	-15,897
A - 7446	368931,282	9758549,695	-15,927
A - 7447	368939,220	9758553,753	-16,067
A - 7448	368946,998	9758557,730	-15,937
A - 7449	368955,241	9758561,944	-15,917
A - 7450	368963,809	9758566,325	-15,887
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A - 7456	369015,068	9758592,532	-15,837
A - 7457	369023,589	9758596,889	-15,827
A - 7458	369031,850	9758601,112	-15,847
A - 7459	369040,195	9758605,379	-15,827
A - 7460	369048,328	9758609,537	-15,787
A - 7461	369056,291	9758613,608	-15,787
A - 7462	369064,183	9758617,643	-15,887
A - 7463	369072,102	9758621,692	-15,917
A - 7464	369080,453	9758625,961	-15,967
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A - 7466	369097,284	9758634,567	-15,907
A - 7467	369106,117	9758639,083	-15,907
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A - 7469	369123,830	9758648,139	-16,197
A - 7470	369131,945	9758652,288	-16,107
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A - 7472	369146,472	9758659,715	-16,067
A - 7473	369154,302	9758663,718	-16,007
A - 7474	369162,335	9758667,825	-16,027
A - 7475	369170,186	9758671,839	-16,017
A - 7476	369177,871	9758675,768	-16,007
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A - 7478	369193,982	9758684,005	-16,177
A - 7479	369201,819	9758688,012	-16,267
A - 7480	369208,971	9758691,669	-16,097
A - 7481	369215,410	9758694,961	-16,307
A - 7482	369221,655	9758698,154	-16,297
A - 7483	369227,643	9758701,215	-16,237
A - 7484	369233,542	9758704,231	-16,207
A - 7485	369239,871	9758707,467	-16,217
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A - 7487	369253,683	9758714,528	-16,367
A - 7488	369260,905	9758718,221	-16,647
A - 7489	369268,296	9758722,000	-16,497
A - 7490	369276,032	9758725,954	-16,437
A - 7491	369283,640	9758729,844	-16,497
A - 7492	369291,054	9758733,635	-16,507
A - 7493	369297,557	9758736,960	-16,437
A - 7494	369303,259	9758739,875	-16,607
A - 7495	369308,663	9758742,638	-16,767
A - 7496	369312,418	9758744,558	-16,657
A - 7497	369316,450	9758746,619	-16,687
A - 7498	369320,521	9758748,700	-16,717
A - 7499	369324,212	9758750,588	-16,747
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A - 7502	369330,280	9758753,690	-16,767
A - 7503	369333,263	9758755,215	-16,677
A - 7504	369337,771	9758757,520	-16,667
A - 7505	369342,453	9758759,914	-16,867
A - 7506	369347,595	9758762,542	-16,807
A - 7507	369353,398	9758765,509	-16,777
A - 7508	369359,662	9758768,712	-16,907
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A - 7512	369389,763	9758784,102	-16,967
A - 7513	369397,282	9758787,946	-16,847
A - 7514	369404,374	9758791,572	-16,907
A - 7515	369411,504	9758795,217	-16,977
A - 7516	369417,746	9758798,408	-17,007
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A - 7518	369430,019	9758804,684	-16,927
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A - 7527	369496,602	9758838,725	-17,047
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A - 7532	369538,505	9758860,149	-17,247
A - 7533	369547,549	9758864,773	-17,167
A - 7534	369556,354	9758869,274	-17,097
A - 7535	369564,789	9758873,587	-17,097
A - 7536	369572,917	9758877,743	-17,117
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A - 7538	369589,751	9758886,349	-17,057
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A - 7540	369607,238	9758895,290	-17,297
A - 7541	369615,840	9758899,688	-17,137
A - 7542	369624,703	9758904,219	-17,117
A - 7543	369633,183	9758908,554	-17,267
A - 7544	369641,670	9758912,894	-17,217
A - 7545	369649,033	9758916,659	-17,257
A - 7546	369655,875	9758920,157	-17,267
A - 7547	369662,834	9758923,714	-17,167
A - 7548	369670,052	9758927,405	-17,327
A - 7549	369678,215	9758931,578	-17,267

A - 7550	369686,285	9758935,704	-17,207
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A - 7554	369720,725	9758953,312	-17,177
A - 7555	369729,751	9758957,927	-17,257
A - 7556	369738,344	9758962,320	-17,267
A - 7557	369746,163	9758966,318	-17,297
A - 7558	369753,300	9758969,967	-17,247
A - 7559	369759,584	9758973,180	-17,247
A - 7560	369765,366	9758976,136	-17,367
A - 7561	369770,517	9758978,769	-17,427
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A - 7566	369794,150	9758990,852	-17,667
A - 7567	369800,655	9758994,178	-17,667
A - 7568	369808,079	9758997,973	-17,567
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A - 7570	369824,314	9759006,274	-17,597
A - 7571	369833,176	9759010,805	-17,497
A - 7572	369842,747	9759015,698	-17,807
A - 7573	369852,823	9759020,850	-17,917
A - 7574	369863,153	9759026,131	-17,867
A - 7575	369873,209	9759031,272	-17,877
A - 7576	369882,938	9759036,246	-18,017
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A - 7578	369901,427	9759045,699	-18,007
A - 7579	369910,211	9759050,191	-18,057
A - 7580	369918,920	9759054,643	-18,267
A - 7581	369927,675	9759059,119	-18,367
A - 7582	369936,318	9759063,538	-18,417
A - 7583	369945,374	9759068,168	-18,437
A - 7584	369954,834	9759073,004	-18,477
A - 7585	369964,318	9759077,853	-18,517
A - 7586	369973,612	9759082,605	-18,857
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A - 7589	370000,009	9759096,101	-18,967
A - 7590	370008,328	9759100,355	-18,927
A - 7591	370016,760	9759104,666	-18,907
A - 7592	370025,258	9759109,010	-18,827
A - 7593	370033,840	9759113,398	-18,977
A - 7594	370042,173	9759117,658	-19,137
A - 7595	370050,757	9759122,047	-19,197
A - 7596	370059,596	9759126,566	-19,177
A - 7597	370068,326	9759131,029	-19,237
A - 7598	370076,964	9759135,446	-19,367
A - 7599	370085,626	9759139,875	-19,387
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A - 7601	370103,057	9759148,787	-19,697
A - 7602	370111,789	9759153,251	-19,847
A - 7603	370120,450	9759157,679	-20,077
A - 7604	370129,570	9759162,342	-20,157
A - 7605	370139,263	9759167,297	-20,257
A - 7606	370149,163	9759172,359	-20,607
A - 7607	370158,629	9759177,199	-20,577
A - 7608	370167,735	9759181,854	-20,787
A - 7609	370176,478	9759186,324	-21,047
A - 7610	370185,197	9759190,782	-21,147
A - 7611	370194,357	9759195,465	-21,287
A - 7612	370203,860	9759200,324	-21,547
A - 7613	370213,638	9759205,323	-21,687
A - 7614	370223,616	9759210,424	-21,737
A - 7615	370233,533	9759215,495	-21,957
A - 7616	370242,663	9759220,162	-22,277
A - 7617	370251,321	9759224,589	-22,447
A - 7618	370259,940	9759228,996	-22,617
A - 7619	370268,688	9759233,468	-23,117
A - 7620	370277,371	9759237,907	-23,297
A - 7621	370285,893	9759242,265	-23,377
A - 7622	370294,179	9759246,501	-23,797
A - 7623	370302,558	9759250,785	-23,867
A - 7624	370311,364	9759255,287	-24,147
A - 7625	370320,534	9759259,976	-24,457
A - 7626	370330,102	9759264,867	-24,737
A - 7627	370340,265	9759270,063	-25,177
A - 7628	370350,908	9759275,505	-25,757
A - 7629	370361,725	9759281,035	-25,797
A - 7630	370372,501	9759286,544	-26,187
A - 7631	370382,966	9759291,895	-26,337
A - 7632	370392,497	9759296,768	-26,917
A - 7633	370401,822	9759301,536	-27,007
A - 7634	370411,084	9759306,271	-27,347
A - 7635	370420,284	9759310,975	-27,537
A - 7636	370429,589	9759315,732	-28,057
A - 7637	370438,688	9759320,384	-28,357
A - 7638	370447,137	9759324,703	-28,597
A - 7639	370455,255	9759328,854	-28,937
A - 7640	370462,877	9759332,751	-28,927
A - 7641	370470,728	9759336,765	-29,217
A - 7642	370478,960	9759340,974	-29,577
A - 7643	370485,722	9759344,431	-29,927
A - 7644	370492,742	9759348,020	-29,997
A - 7645	370500,777	9759352,128	-30,307
A - 7646	370509,658	9759356,669	-30,357
A - 7647	370518,516	9759361,197	-30,447
A - 7648	370527,684	9759365,885	-30,867
A - 7649	370536,960	9759370,627	-31,307
A - 7650	370545,587	9759375,038	-31,447
A - 7651	370554,584	9759379,638	-31,587
A - 7652	370563,619	9759384,257	-31,677
A - 7653	370572,335	9759388,713	-31,857
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A - 7656	370593,959	9759399,769	-32,697
A - 7657	370599,273	9759402,486	-32,927
A - 7658	370604,935	9759405,381	-33,017
A - 7659	370610,521	9759408,236	-33,087
A - 7660	370615,040	9759410,547	-33,537
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A - 7664	370638,710	9759422,649	-33,797
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A - 7669	370686,615	9759447,141	-34,847
A - 7670	370696,517	9759452,204	-34,817
A - 7671	370705,831	9759456,966	-35,197
A - 7672	370714,775	9759461,539	-35,197
A - 7673	370723,418	9759465,957	-35,137
A - 7674	370732,421	9759470,560	-35,037
A - 7675	370742,083	9759475,500	-34,887
A - 7676	370752,116	9759480,630	-35,117
A - 7677	370762,433	9759485,905	-35,147
A - 7678	370773,079	9759491,347	-35,207
A - 7679	370783,540	9759496,696	-35,467
A - 7680	370793,885	9759501,985	-35,837
A - 7681	370803,568	9759506,935	-35,537
A - 7682	370812,588	9759511,547	-35,467
A - 7683	370821,981	9759516,349	-35,527
A - 7684	370832,018	9759521,481	-35,557
A - 7685	370842,477	9759526,828	-35,557
A - 7686	370853,171	9759532,296	-35,957
A - 7687	370864,017	9759537,841	-36,367
A - 7688	370875,127	9759543,521	-36,927
A - 7689	370885,538	9759548,844	-37,347
A - 7690	370896,307	9759554,350	-38,207
A - 7691	370907,074	9759559,855	-38,037
A - 7692	370917,540	9759565,206	-38,147
A - 7693	370927,057	9759570,072	-37,927
A - 7694	370936,704	9759575,004	-37,797
A - 7695	370946,736	9759580,133	-37,637
A - 7696	370956,742	9759585,249	-34,567
A - 7697	370966,695	9759590,337	-34,517
A - 7698	370976,448	9759595,324	-34,287
A - 7699	370986,292	9759600,357	-33,837
A - 7700	370996,061	9759605,351	-33,317
A - 7701	371005,979	9759610,422	-32,837
A - 7702	371016,328	9759615,713	-32,567
A - 7703	371026,816	9759621,075	-32,637
A - 7704	371036,933	9759626,247	-32,477
A - 7705	371046,809	9759631,297	-32,187
A - 7706	371056,221	9759636,109	-32,107
A - 7707	371065,495	9759640,851	-31,527
A - 7708	371073,439	9759644,912	-31,417
A - 7709	371081,314	9759648,938	-31,087
A - 7710	371089,904	9759653,330	-30,697
A - 7711	371098,605	9759657,778	-30,287
A - 7712	371107,546	9759662,350	-29,577
A - 7713	371116,267	9759666,809	-27,917
A - 7714	371124,436	9759670,985	-23,717
A - 7715	371133,569	9759675,655	-22,907
A - 7716	371142,532	9759680,237	-17,907
A - 7717	371150,501	9759684,311	-12,677
A - 7718	371157,895	9759688,092	-8,267
A - 7719	371164,417	9759691,426	-4,437
A - 7720	371169,854	9759694,206	-3,207
A - 7721	371174,017	9759696,335	-1,897
A - 7722	371178,434	9759698,593	-1,037
A - 7723	371182,988	9759700,921	-0,437
A - P20D5 - SUB	371202,771	9759711,035	2,272
A - P20D4 - NA	371208,752	9759714,093	3,201
A - P20D3	371219,153	9759719,411	4,601
A - S20D	371220,740	9759720,222	5,512
A - P20D2	371231,704	9759725,828	5,586
A - P20D1	371239,277	9759729,700	5,721
A - S20DA	371244,551	9759732,396	5,459

PONTO	E	N	COTA
A - P21E9	360318,943	9769968,777	17,283
A - P21E8	360319,806	9769968,778	15,320
A - P21E7	360320,637	9769968,779	11,242
A - P21E6	360321,218	9769968,780	8,085
A - P21E5	360321,905	9769968,781	4,205
A - S21E	360324,274	9769968,783	3,476
A - P21E2 - NA	360327,050	9769968,786	3,234
A - P21E3 - SU	360330,566	9769968,790	2,635
A - P21E4 - SU	360332,192	9769968,792	2,484
A - 6050	360369,015	9769968,832	0,704
A - 6051	360374,864	9769968,839	0,474
A - 6052	360381,634	9769968,846	0,314
A - 6053	360389,384	9769968,855	0,174
A - 6054	360397,915	9769968,864	0,014
A - 6055	360407,017	9769968,874	-0,126
A - 6056	360416,339	9769968,885	-0,246
A - 6057	360425,672	9769968,895	-0,406
A - 6058	360435,205	9769968,905	-0,576
A - 6059	360444,908	9769968,916	-0,826
A - 6060	360454,700	9769968,927	-1,046
A - 6061	360464,651	9769968,938	-1,396
A - 6062	360474,700	9769968,949	-1,926
A - 6063	360484,860	9769968,960	-2,726
A - 6064	360495,100	9769968,971	-3,326
A - 6065	360505,449	9769968,983	-4,636
A - 6066	360515,927	9769968,994	-5,816
A - 6067	360526,486	9769969,006	-6,786
A - 6068	360537,116	9769969,018	-7,386
A - 6069	360547,867	9769969,029	-7,766
A - 6070	360558,637	9769969,041	-8,056
A - 6071	360569,748	9769969,053	-8,476
A - 6072	360580,228	9769969,065	-8,566
A - 6073	360591,049	9769969,077	-8,876
A - 6074	360601,929	9769969,089	-9,146
A - 6075	360612,789	9769969,101	-9,236
A - 6076	360623,487	9769969,113	-9,786
A - 6077	360634,016	9769969,124	-9,996
A - 6078	360644,855	9769969,136	-10,016
A - 6079	360655,006	9769969,147	-10,176
A - 6080	360665,318	9769969,159	-10,386
A - 6081	360675,650	9769969,170	-10,536
A - 6082	360686,072	9769969,181	-10,616
A - 6083	360696,643	9769969,193	-10,686
A - 6084	360707,161	9769969,205	-10,746
A - 6085	360717,869	9769969,216	-10,826
A - 6086	360727,997	9769969,228	-10,926
A - 6087	360738,406	9769969,239	-10,816
A - 6088	360748,876	9769969,251	-10,796
A - 6089	360759,446	9769969,262	-10,876
A - 6090	360770,107	9769969,274	-10,886
A - 6091	360780,819	9769969,286	-10,876
A - 6092	360791,870	9769969,298	-11,116
A - 6093	360802,401	9769969,309	-11,116
A - 6094	360813,300	9769969,321	-11,246
A - 6095	360824,109	9769969,333	-11,286
A - 6096	360834,556	9769969,345	-11,326
A - 6097	360845,146	9769969,357	-11,316
A - 6098	360855,846	9769969,368	-11,416
A - 6099	360866,835	9769969,380	-11,516
A - 6100	360877,185	9769969,392	-11,736
A - 6101	360887,944	9769969,404	-11,756
A - 6102	360898,693	9769969,415	-11,866
A - 6103	360909,363	9769969,427	-11,846
A - 6104	360919,834	9769969,439	-11,846
A - 6105	360930,346	9769969,450	-11,776
A - 6106	360941,537	9769969,463	-11,956
A - 6107	360952,277	9769969,474	-11,956
A - 6108	360963,827	9769969,487	-11,996
A - 6109	360974,816	9769969,499	-12,106
A - 6110	360986,235	9769969,512	-12,146
A - 6111	360997,694	9769969,524	-12,196
A - 6112	361009,193	9769969,537	-12,076
A - 6113	361020,952	9769969,550	-11,776
A - 6114	361032,032	9769969,562	-11,846

PONTO	E	N	COTA
A - 6115	361043,343	9769969,575	-11,866
A - 6116	361054,584	9769969,587	-12,026
A - 6117	361065,836	9769969,599	-12,026
A - 6118	361077,258	9769969,612	-12,086
A - 6119	361088,748	9769969,625	-12,086
A - 6120	361100,487	9769969,638	-12,246
A - 6121	361111,526	9769969,650	-12,216
A - 6122	361123,226	9769969,663	-12,306
A - 6123	361134,306	9769969,675	-12,256
A - 6124	361145,797	9769969,687	-12,296
A - 6125	361157,317	9769969,700	-12,236
A - 6126	361168,858	9769969,713	-12,336
A - 6127	361180,769	9769969,726	-12,446
A - 6128	361192,018	9769969,738	-12,446
A - 6129	361203,477	9769969,751	-12,596
A - 6130	361215,235	9769969,764	-12,416
A - 6131	361226,706	9769969,776	-12,366
A - 6132	361238,187	9769969,789	-12,456
A - 6133	361249,747	9769969,802	-12,366
A - 6134	361261,337	9769969,815	-12,486
A - 6135	361272,917	9769969,827	-12,566
A - 6137	361296,117	9769969,853	-12,576
A - 6138	361307,737	9769969,866	-12,576
A - 6139	361319,308	9769969,878	-12,586
A - 6140	361330,868	9769969,891	-12,626
A - 6141	361342,387	9769969,904	-12,696
A - 6142	361353,866	9769969,916	-12,696
A - 6143	361365,244	9769969,929	-12,696
A - 6144	361399,603	9769969,967	-12,846
A - 6145	361411,004	9769969,979	-12,846
A - 6146	361422,446	9769969,992	-13,186
A - 6147	361434,017	9769970,005	-13,176
A - 6148	361445,536	9769970,017	-13,436
A - 6149	361456,924	9769970,030	-13,246
A - 6150	361468,213	9769970,042	-13,216
A - 6151	361479,492	9769970,055	-13,216
A - 6152	361490,792	9769970,067	-13,276
A - 6153	361502,093	9769970,080	-13,306
A - 6154	361513,394	9769970,092	-13,436
A - 6155	361524,785	9769970,105	-13,456
A - 6156	361536,225	9769970,117	-13,476
A - 6157	361547,655	9769970,130	-13,796
A - 6158	361559,084	9769970,142	-13,926
A - 6159	361570,524	9769970,155	-13,846
A - 6160	361581,913	9769970,167	-13,796
A - 6161	361593,272	9769970,180	-13,836
A - 6162	361604,631	9769970,192	-13,906
A - 6163	361616,021	9769970,205	-13,986
A - 6164	361627,290	9769970,217	-13,986
A - 6165	361638,470	9769970,230	-13,976
A - 6166	361649,442	9769970,242	-13,976
A - 6167	361660,195	9769970,254	-14,136
A - 6168	361671,226	9769970,266	-14,136
A - 6169	361682,406	9769970,278	-14,246
A - 6170	361693,575	9769970,290	-14,256
A - 6171	361704,442	9769970,302	-14,376
A - 6172	361715,480	9769970,314	-14,376
A - 6173	361726,449	9769970,326	-14,406
A - 6174	361737,450	9769970,339	-14,606
A - 6175	361748,412	9769970,351	-14,856
A - 6176	361759,533	9769970,363	-14,766
A - 6177	361770,693	9769970,375	-14,816
A - 6178	361781,764	9769970,387	-14,756
A - 6179	361792,215	9769970,399	-14,756
A - 6180	361801,887	9769970,410	-14,756
A - 6181	361810,969	9769970,420	-14,946
A - 6182	361819,702	9769970,429	-14,906
A - 6183	361828,504	9769970,439	-15,096
A - 6184	361837,976	9769970,449	-15,246
A - 6185	361847,878	9769970,460	-15,226
A - 6186	361858,207	9769970,472	-15,196
A - 6187	361868,596	9769970,483	-15,246
A - 6188	361878,834	9769970,494	-15,356
A - 6189	361889,472	9769970,506	-15,206

PONTO	E	N	COTA
A - 6190	361900,159	9769970,518	-15,216
A - 6191	361910,717	9769970,529	-15,516
A - 6192	361921,556	9769970,541	-15,516
A - 6193	361932,495	9769970,553	-15,516
A - 6194	361943,344	9769970,565	-15,416
A - 6195	361954,213	9769970,577	-15,416
A - 6196	361965,043	9769970,589	-15,486
A - 6197	361975,804	9769970,601	-15,486
A - 6198	361986,645	9769970,613	-15,506
A - 6199	361997,495	9769970,625	-15,616
A - 6200	362008,424	9769970,637	-15,656
A - 6201	362019,423	9769970,649	-15,666
A - 6202	362030,091	9769970,661	-15,556
A - 6203	362040,750	9769970,672	-15,586
A - 6204	362051,262	9769970,684	-15,606
A - 6205	362061,464	9769970,695	-15,646
A - 6206	362071,478	9769970,706	-15,926
A - 6207	362081,859	9769970,718	-16,096
A - 6208	362092,419	9769970,729	-16,176
A - 6209	362102,977	9769970,741	-16,076
A - 6210	362113,394	9769970,752	-16,016
A - 6211	362123,731	9769970,764	-16,036
A - 6212	362134,110	9769970,775	-15,996
A - 6213	362144,512	9769970,787	-15,996
A - 6214	362155,062	9769970,798	-16,116
A - 6215	362165,742	9769970,810	-16,266
A - 6216	362176,411	9769970,822	-16,346
A - 6217	362187,031	9769970,833	-16,476
A - 6218	362197,652	9769970,845	-16,326
A - 6219	362208,204	9769970,857	-16,126
A - 6220	362218,786	9769970,868	-16,366
A - 6221	362229,466	9769970,880	-16,466
A - 6222	362240,045	9769970,892	-16,386
A - 6223	362250,623	9769970,903	-16,486
A - 6224	362261,161	9769970,915	-16,556
A - 6225	362271,590	9769970,926	-16,546
A - 6226	362282,021	9769970,938	-16,556
A - 6227	362292,482	9769970,949	-16,486
A - 6228	362303,325	9769970,961	-16,486
A - 6229	362314,758	9769970,974	-16,286
A - 6230	362326,688	9769970,987	-16,226
A - 6231	362338,768	9769971,000	-16,316
A - 6232	362350,805	9769971,014	-16,566
A - 6233	362362,934	9769971,027	-16,416
A - 6234	362375,224	9769971,041	-16,386
A - 6235	362387,485	9769971,054	-16,416
A - 6236	362399,986	9769971,068	-17,036
A - 6237	362412,656	9769971,082	-16,816
A - 6238	362425,305	9769971,096	-16,626
A - 6239	362438,115	9769971,110	-16,496
A - 6240	362451,023	9769971,124	-16,616
A - 6241	362463,580	9769971,138	-16,566
A - 6242	362475,968	9769971,151	-16,566
A - 6243	362488,307	9769971,165	-16,656
A - 6244	362500,588	9769971,179	-16,656
A - 6245	362512,859	9769971,192	-17,056
A - 6246	362525,279	9769971,206	-17,076
A - 6247	362537,768	9769971,219	-17,046
A - 6248	362550,238	9769971,233	-16,976
A - 6249	362563,028	9769971,247	-16,876
A - 6250	362575,827	9769971,261	-16,826
A - 6251	362588,457	9769971,275	-16,826
A - 6252	362600,848	9769971,289	-16,766
A - 6253	362613,050	9769971,302	-16,766
A - 6254	362625,014	9769971,315	-16,766
A - 6255	362637,038	9769971,329	-16,866
A - 6256	362649,429	9769971,342	-16,886
A - 6257	362661,647	9769971,356	-16,856
A - 6258	362673,724	9769971,369	-16,856
A - 6259	362685,962	9769971,383	-16,856
A - 6260	362698,231	9769971,396	-16,706
A - 6261	362710,509	9769971,410	-16,866
A - 6262	362722,788	9769971,423	-16,866
A - 6263	362734,829	9769971,436	-16,866

A - 6264	362759,323	9769971,463	-17,196
A - 6265	362771,702	9769971,477	-17,106
A - 6266	362784,051	9769971,491	-17,016
A - 6267	362796,580	9769971,504	-17,166
A - 6268	362809,110	9769971,518	-17,176
A - 6269	362821,480	9769971,532	-17,076
A - 6270	362833,820	9769971,545	-17,026
A - 6271	362845,619	9769971,558	-16,896
A - 6272	362857,016	9769971,571	-16,866
A - 6273	362868,355	9769971,583	-16,936
A - 6274	362879,896	9769971,596	-17,076
A - 6275	362891,458	9769971,609	-17,226
A - 6276	362903,340	9769971,622	-17,526
A - 6277	362915,690	9769971,635	-17,886
A - 6278	362928,208	9769971,649	-17,866
A - 6279	362940,376	9769971,663	-17,866
A - 6280	362952,227	9769971,676	-17,736
A - 6281	362964,099	9769971,689	-17,746
A - 6282	362976,010	9769971,702	-17,576
A - 6283	362987,870	9769971,715	-17,576
A - 6284	363000,069	9769971,728	-17,496
A - 6285	363012,548	9769971,742	-17,406
A - 6286	363024,979	9769971,756	-17,406
A - 6287	363037,610	9769971,770	-17,406
A - 6288	363050,171	9769971,783	-17,686
A - 6289	363062,480	9769971,797	-17,686
A - 6290	363074,908	9769971,811	-17,686
A - 6291	363087,287	9769971,824	-17,606
A - 6292	363099,677	9769971,838	-17,516
A - 6293	363112,007	9769971,851	-17,446
A - 6294	363124,298	9769971,865	-17,576
A - 6295	363136,529	9769971,878	-17,826
A - 6296	363148,940	9769971,892	-18,056
A - 6297	363161,309	9769971,906	-17,966
A - 6298	363173,509	9769971,919	-17,916
A - 6299	363185,628	9769971,932	-17,826
A - 6300	363197,689	9769971,946	-17,786
A - 6301	363210,108	9769971,959	-17,786
A - 6302	363222,748	9769971,973	-17,876
A - 6303	363235,368	9769971,987	-17,976
A - 6304	363248,059	9769972,001	-17,996
A - 6305	363260,749	9769972,015	-18,066
A - 6306	363273,318	9769972,029	-18,066
A - 6307	363285,947	9769972,043	-18,186
A - 6308	363298,675	9769972,057	-18,036
A - 6309	363311,294	9769972,071	-18,096
A - 6310	363323,823	9769972,085	-18,096
A - 6311	363348,917	9769972,112	-18,646
A - 6312	363361,298	9769972,126	-18,646
A - 6313	363373,667	9769972,139	-18,546
A - 6314	363385,917	9769972,153	-18,386
A - 6315	363398,427	9769972,167	-18,386
A - 6316	363411,337	9769972,181	-18,596
A - 6317	363424,328	9769972,195	-18,596
A - 6318	363437,398	9769972,210	-18,866
A - 6319	363450,508	9769972,224	-18,876
A - 6320	363463,439	9769972,238	-18,976
A - 6321	363476,388	9769972,253	-19,016
A - 6322	363489,348	9769972,267	-19,136
A - 6323	363501,956	9769972,281	-19,136
A - 6324	363514,515	9769972,294	-19,236
A - 6325	363526,965	9769972,308	-19,326
A - 6326	363539,366	9769972,322	-19,196
A - 6327	363552,047	9769972,336	-19,186
A - 6328	363564,837	9769972,350	-19,316
A - 6329	363577,867	9769972,364	-19,296
A - 6330	363590,917	9769972,379	-19,346
A - 6331	363604,067	9769972,393	-19,686
A - 6332	363617,257	9769972,408	-19,696
A - 6333	363630,318	9769972,422	-19,456
A - 6334	363643,157	9769972,436	-19,436
A - 6335	363655,776	9769972,450	-19,656
A - 6336	363668,326	9769972,464	-19,696
A - 6337	363680,846	9769972,478	-19,556
A - 6338	363693,406	9769972,491	-19,636
A - 6339	363706,007	9769972,505	-19,736
A - 6340	363718,688	9769972,519	-19,796
A - 6341	363731,208	9769972,533	-19,956
A - 6342	363743,728	9769972,547	-19,786
A - 6343	363756,418	9769972,561	-19,836
A - 6344	363769,038	9769972,575	-19,786
A - 6345	363781,707	9769972,589	-19,906
A - 6346	363794,346	9769972,602	-19,886
A - 6347	363807,025	9769972,616	-19,936
A - 6348	363819,595	9769972,630	-20,036
A - 6349	363832,305	9769972,644	-19,986
A - 6350	363845,264	9769972,658	-20,126
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A - 6352	363871,315	9769972,687	-20,236
A - 6353	363884,096	9769972,701	-20,296
A - 6354	363896,748	9769972,715	-20,246
A - 6355	363909,379	9769972,729	-20,336
A - 6356	363922,130	9769972,743	-20,316
A - 6357	363934,980	9769972,757	-20,516
A - 6358	363947,419	9769972,771	-20,386
A - 6359	363959,538	9769972,784	-20,406
A - 6360	363971,885	9769972,798	-20,406
A - 6361	363984,503	9769972,812	-20,526
A - 6362	363997,104	9769972,826	-20,706
A - 6363	364009,804	9769972,840	-20,916
A - 6364	364022,686	9769972,854	-20,706
A - 6365	364035,577	9769972,868	-20,676
A - 6366	364048,557	9769972,882	-20,946
A - 6367	364061,537	9769972,897	-20,806
A - 6368	364074,095	9769972,910	-20,746
A - 6369	364086,515	9769972,924	-20,756
A - 6370	364098,785	9769972,938	-20,816
A - 6371	364111,096	9769972,951	-20,766
A - 6372	364123,088	9769972,964	-20,716
A - 6373	364135,151	9769972,978	-20,586
A - 6374	364147,364	9769972,991	-20,786
A - 6375	364159,936	9769973,005	-20,606
A - 6376	364172,886	9769973,019	-20,596
A - 6377	364185,865	9769973,033	-20,756
A - 6378	364198,595	9769973,047	-20,786
A - 6379	364211,015	9769973,061	-20,736
A - 6380	364223,334	9769973,075	-20,916
A - 6381	364235,683	9769973,088	-20,776
A - 6382	364248,211	9769973,102	-20,636
A - 6383	364260,728	9769973,116	-20,546
A - 6384	364273,196	9769973,129	-20,596
A - 6385	364285,752	9769973,143	-20,596
A - 6386	364298,742	9769973,158	-20,596
A - 6387	364311,843	9769973,172	-20,596
A - 6388	364324,923	9769973,186	-20,536
A - 6389	364338,113	9769973,201	-20,556
A - 6390	364351,234	9769973,215	-20,526
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A - 6392	364377,174	9769973,244	-20,446
A - 6393	364390,143	9769973,258	-20,526
A - 6394	364402,813	9769973,272	-20,486
A - 6395	364415,442	9769973,286	-20,586
A - 6396	364428,022	9769973,300	-20,526
A - 6397	364440,472	9769973,314	-20,446
A - 6398	364453,104	9769973,327	-20,576
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A - 6401	364490,495	9769973,369	-20,476
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A - 6408	364578,027	9769973,465	-20,716
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A - 6413	364641,097	9769973,534	-21,026
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A - 6415	364666,202	9769973,562	-20,966
A - 6416	364678,781	9769973,576	-20,766
A - 6417	364691,122	9769973,589	-20,656
A - 6418	364703,373	9769973,603	-20,956
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A - 6420	364728,234	9769973,630	-20,786
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A - 6430	364854,851	9769973,770	-20,786
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A - 6437	364944,302	9769973,868	-20,956
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A - 6459	365220,157	9769974,172	-21,586
A - 6460	365233,006	9769974,186	-21,586
A - 6461	365246,037	9769974,200	-21,636
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A - 6464	365284,068	9769974,242	-21,946
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A - 6616	367181,989	9769976,331	-28,186
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A - 6715	368272,768	9769977,531	-5,906
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A - 6731	368469,408	9769977,748	-5,116
A - 6732	368481,558	9769977,761	-5,116
A - 6733	368493,819	9769977,775	-5,036
A - 6734	368506,079	9769977,788	-5,036
A - 6735	368518,388	9769977,802	-5,026
A - 6736	368530,667	9769977,815	-5,026
A - 6737	368543,057	9769977,829	-5,026
A - 6738	368555,358	9769977,842	-5,306
A - 6739	368567,619	9769977,856	-5,116
A - 6740	368579,920	9769977,870	-5,076
A - 6741	368592,261	9769977,883	-5,076
A - 6742	368604,560	9769977,897	-4,796
A - 6743	368616,829	9769977,910	-4,376
A - 6744	368629,059	9769977,924	-4,096
A - 6745	368641,259	9769977,937	-3,856
A - 6746	368653,469	9769977,950	-3,716
A - 6747	368665,779	9769977,964	-3,616
A - 6748	368678,129	9769977,978	-3,556
A - 6749	368690,519	9769977,991	-3,556
A - 6750	368702,949	9769978,005	-3,516
A - 6751	368715,429	9769978,019	-3,516
A - 6752	368727,959	9769978,032	-3,586
A - 6753	368740,439	9769978,046	-3,646
A - 6754	368752,938	9769978,060	-3,746
A - 6755	368765,477	9769978,074	-3,766
A - 6756	368777,936	9769978,087	-3,756
A - 6757	368790,316	9769978,101	-3,756
A - 6758	368802,657	9769978,115	-3,816
A - 6759	368814,987	9769978,128	-3,856
A - 6760	368827,378	9769978,142	-3,836
A - 6761	368839,818	9769978,156	-3,836
A - 6762	368852,278	9769978,169	-3,786
A - 6763	368864,758	9769978,183	-3,686
A - 6764	368877,437	9769978,197	-3,486
A - 6765	368890,036	9769978,211	-3,426
A - 6766	368902,505	9769978,225	-3,046
A - 6767	368914,986	9769978,238	-2,926
A - 6768	368927,446	9769978,252	-2,426
A - 6769	368939,916	9769978,266	-1,686
A - 6770	368952,436	9769978,280	-0,366
A - 6771	368964,897	9769978,293	0,084
A - 6772	368977,308	9769978,307	0,394
A - 6773	368989,739	9769978,321	0,624
A - 6774	369002,330	9769978,334	0,724
A - 6775	369015,030	9769978,348	0,804
A - 6776	369027,769	9769978,362	0,854
A - 6777	369040,589	9769978,377	0,844
A - 6778	369053,509	9769978,391	0,854
A - 6779	369066,449	9769978,405	0,874
A - 6781	369092,489	9769978,434	0,924
A - 6782	369105,529	9769978,448	0,924
A - 6783	369118,560	9769978,462	0,934
A - 6784	369131,560	9769978,477	0,944
A - 6785	369144,559	9769978,491	0,944
A - 6786	369157,519	9769978,505	0,954
A - 6787	369170,428	9769978,519	0,964
A - 6788	369183,398	9769978,534	0,964
A - 6789	369196,437	9769978,548	0,974
A - 6790	369209,506	9769978,562	1,004
A - 6791	369222,556	9769978,577	1,034
A - 6792	369235,566	9769978,591	1,034
A - 6793	369248,586	9769978,605	1,054
A - 6794	369261,627	9769978,620	1,084
A - 6795	369274,597	9769978,634	1,134
A - 6796	369287,517	9769978,648	1,144
A - 6797	369300,376	9769978,662	1,194
A - 6798	369313,195	9769978,677	1,214
A - 6799	369326,015	9769978,691	1,184
A - 6800	369338,797	9769978,705	1,244
A - 6801	369351,588	9769978,719	1,284
A - 6802	369364,489	9769978,733	1,314
A - 6803	369377,019	9769978,747	1,314
A - 6804	369388,748	9769978,760	1,344
A - 6805	369399,367	9769978,771	1,374
A - 6806	369408,997	9769978,782	1,414
A - 6807	369417,887	9769978,792	1,484
A - 6808	369426,157	9769978,801	1,514
A - P21D6 -	369444,893	9769978,822	2,441
A - P21D5 -	369451,864	9769978,829	3,162
A - S21D	369455,426	9769978,833	6,331
A - P21D4	369470,117	9769978,849	6,469
A - P21D3	369479,915	9769978,860	6,423
A - P21D2	369488,715	9769978,870	6,453
A - P21D1	369499,518	9769978,882	6,617
A - S21DA	369506,925	9769978,890	6,678

PONTO	E	N	COTA
A - S22EA	359414,799	9777332,881	19,748
A - P22E2	359422,029	9777332,992	19,383
A - P22E3	359429,382	9777333,104	18,918
A - P22E4	359436,974	9777333,220	18,632
A - P22E5	359444,297	9777333,332	18,098
A - P22E6	359453,324	9777333,469	17,753
A - P22E7	359462,459	9777333,609	17,310
A - P22E8	359471,196	9777333,742	17,114
A - P22E9	359479,699	9777333,872	16,790
A - P22E10	359488,157	9777334,001	16,301
A - P22E11	359496,308	9777334,125	16,166
A - P22E12	359504,891	9777334,257	15,395
A - P22E13	359512,967	9777334,380	14,649
A - S22E	359520,359	9777334,493	13,724
A - P22E14	359526,040	9777334,579	13,247
A - P22E15	359528,021	9777334,610	12,091
A - P22E16	359532,384	9777334,676	9,778
A - P22E17	359536,241	9777334,735	7,126
A - P22E18	359541,407	9777334,814	4,826
A - P22E19 - N	359545,953	9777334,883	4,088
A - P22E20 - S	359553,405	9777334,997	3,498
A - 4811	359563,066	9777335,145	2,898
A - 4812	359563,288	9777335,148	2,818
A - 4808	359571,412	9777335,272	2,798
A - 4807	359575,424	9777335,333	2,748
A - 4816	359577,545	9777335,366	2,618
A - 4817	359582,370	9777335,439	2,588
A - 4818	359587,317	9777335,515	2,538
A - 4819	359592,267	9777335,590	2,498
A - 4820	359597,633	9777335,672	2,458
A - 4821	359603,342	9777335,759	2,448
A - 4822	359609,067	9777335,847	2,418
A - 4823	359614,790	9777335,934	2,358
A - 4824	359620,414	9777336,020	2,348
A - 4825	359625,748	9777336,101	2,288
A - 4826	359630,969	9777336,181	2,268
A - 4827	359636,145	9777336,260	2,218
A - 4828	359640,913	9777336,333	2,168
A - 4829	359645,659	9777336,405	2,148
A - 4830	359649,899	9777336,470	2,148
A - 4831	359653,934	9777336,532	2,118
A - 4832	359657,655	9777336,588	2,108
A - 4833	359660,437	9777336,631	2,158
A - 4834	359663,282	9777336,674	2,148
A - 4835	359667,114	9777336,733	2,168
A - 4836	359671,803	9777336,804	2,098
A - 4837	359677,084	9777336,885	2,048
A - 4838	359682,401	9777336,966	2,048
A - 4839	359688,003	9777337,052	2,018
A - 4840	359693,755	9777337,139	1,928
A - 4841	359699,732	9777337,231	1,858
A - 4842	359705,768	9777337,323	1,788
A - 4843	359711,962	9777337,417	1,738
A - 4844	359718,155	9777337,512	1,658
A - 4845	359724,499	9777337,609	1,598
A - 4846	359730,957	9777337,707	1,558
A - 4847	359737,626	9777337,809	1,508
A - 4848	359744,524	9777337,914	1,488
A - 4849	359751,735	9777338,024	1,428
A - 4850	359759,159	9777338,138	1,348
A - 4851	359766,685	9777338,253	1,328
A - 4852	359774,165	9777338,367	1,318
A - 4853	359781,571	9777338,480	1,298
A - 4854	359788,941	9777338,592	1,238
A - 4855	359796,381	9777338,706	1,198
A - 4856	359803,647	9777338,817	1,228
A - 4857	359810,421	9777338,920	1,228
A - 4858	359816,909	9777339,019	1,218
A - 4859	359823,104	9777339,114	1,188
A - 4860	359829,062	9777339,205	1,178
A - 4861	359834,857	9777339,293	1,128
A - 4862	359840,581	9777339,381	1,138
A - 4863	359846,222	9777339,467	1,138
A - 4864	359852,021	9777339,555	1,128
A - 4865	359857,959	9777339,646	1,148
A - 4866	359864,192	9777339,741	1,158
A - 4867	359870,767	9777339,841	1,138
A - 4868	359877,556	9777339,945	1,128
A - 4869	359884,452	9777340,050	1,068
A - 4870	359891,453	9777340,157	1,128
A - 4871	359898,612	9777340,267	1,118
A - 4872	359905,948	9777340,379	1,138
A - 4873	359913,521	9777340,494	1,108

PONTO	E	N	COTA
A - 4874	359921,101	9777340,610	1,128
A - 4875	359928,580	9777340,724	1,158
A - 4876	359936,084	9777340,839	1,108
A - 4877	359943,647	9777340,954	1,148
A - 4878	359951,311	9777341,071	1,128
A - 4879	359958,987	9777341,188	1,108
A - 4880	359966,598	9777341,304	1,118
A - 4881	359974,081	9777341,419	1,108
A - 4882	359981,368	9777341,530	1,128
A - 4883	359988,629	9777341,641	1,108
A - 4884	359995,912	9777341,752	1,138
A - 4885	360003,216	9777341,863	1,098
A - 4886	360010,737	9777341,978	1,098
A - 4887	360018,316	9777342,094	1,008
A - 4888	360025,825	9777342,208	1,028
A - 4889	360033,349	9777342,323	1,088
A - 4890	360041,138	9777342,442	1,098
A - 4891	360048,944	9777342,561	1,068
A - 4892	360056,703	9777342,680	1,058
A - 4893	360064,394	9777342,797	1,088
A - 4894	360072,015	9777342,913	1,098
A - 4895	360079,683	9777343,031	1,028
A - 4896	360087,383	9777343,148	1,038
A - 4897	360095,133	9777343,266	1,038
A - 4898	360103,013	9777343,387	1,018
A - 4899	360111,008	9777343,509	1,038
A - 4900	360118,992	9777343,631	0,918
A - 4901	360127,048	9777343,754	0,938
A - 4902	360135,203	9777343,878	0,958
A - 4903	360143,435	9777344,004	0,988
A - 4904	360151,814	9777344,132	0,928
A - 4905	360160,285	9777344,261	0,908
A - 4906	360168,738	9777344,390	0,898
A - 4907	360177,145	9777344,518	0,898
A - 4908	360185,433	9777344,645	0,878
A - 4909	360193,523	9777344,768	0,918
A - 4910	360201,563	9777344,891	0,928
A - 4911	360209,704	9777345,015	0,828
A - 4912	360217,876	9777345,140	0,878
A - 4913	360226,008	9777345,264	0,858
A - 4914	360234,053	9777345,387	0,858
A - 4915	360241,976	9777345,508	0,788
A - 4916	360249,954	9777345,630	0,798
A - 4917	360257,973	9777345,752	0,798
A - 4918	360266,064	9777345,876	0,768
A - 4919	360274,286	9777346,001	0,768
A - 4920	360282,540	9777346,127	0,708
A - 4921	360290,819	9777346,253	0,648
A - 4922	360299,072	9777346,379	0,628
A - 4923	360307,356	9777346,506	0,578
A - 4924	360315,612	9777346,632	0,558
A - 4925	360323,795	9777346,757	0,528
A - 4926	360331,909	9777346,881	0,468
A - 4927	360340,012	9777347,004	0,438
A - 4928	360348,182	9777347,129	0,368
A - 4929	360356,412	9777347,255	0,268
A - 4930	360364,655	9777347,381	0,228
A - 4931	360372,830	9777347,505	0,118
A - 4932	360380,743	9777347,626	0,018
A - 4933	360388,422	9777347,743	-0,122
A - 4934	360396,137	9777347,861	-0,232
A - 4935	360403,792	9777347,978	-0,372
A - 4936	360411,328	9777348,093	-0,472
A - 4937	360418,784	9777348,207	-0,692
A - 4938	360426,322	9777348,322	-0,852
A - 4939	360433,830	9777348,436	-0,892
A - 4940	360441,279	9777348,550	-1,152
A - 4941	360448,886	9777348,666	-1,252
A - 4942	360456,714	9777348,786	-1,292
A - 4943	360464,639	9777348,907	-1,422
A - 4944	360472,693	9777349,030	-1,592
A - 4945	360480,717	9777349,152	-1,812
A - 4946	360488,742	9777349,275	-1,932
A - 4947	360496,691	9777349,396	-1,952
A - 4948	360504,585	9777349,516	-2,002
A - 4949	360512,340	9777349,635	-2,112
A - 4950	360520,107	9777349,753	-2,282
A - 4951	360528,081	9777349,875	-2,282
A - 4952	360536,185	9777349,999	-2,452
A - 4953	360544,306	9777350,123	-2,472
A - 4954	360552,217	9777350,244	-2,522
A - 4955	360560,177	9777350,365	-2,632
A - 4956	360568,069	9777350,486	-2,672

PONTO	E	N	COTA
A - 4957	360575,915	9777350,605	-2,812
A - 4958	360583,741	9777350,725	-2,822
A - 4959	360591,485	9777350,843	-2,882
A - 4960	360599,239	9777350,961	-3,022
A - 4961	360606,945	9777351,079	-3,102
A - 4962	360614,805	9777351,199	-3,172
A - 4963	360622,780	9777351,321	-3,292
A - 4964	360630,894	9777351,445	-3,212
A - 4965	360639,033	9777351,569	-3,382
A - 4966	360646,961	9777351,690	-3,312
A - 4967	360654,905	9777351,811	-3,362
A - 4968	360662,899	9777351,933	-3,532
A - 4969	360670,782	9777352,053	-3,552
A - 4970	360678,510	9777352,171	-3,592
A - 4971	360686,232	9777352,289	-3,672
A - 4972	360694,121	9777352,410	-3,722
A - 4973	360702,154	9777352,532	-3,782
A - 4974	360710,311	9777352,657	-3,832
A - 4975	360718,271	9777352,778	-3,852
A - 4976	360725,944	9777352,895	-3,842
A - 4977	360733,809	9777353,016	-3,972
A - 4978	360741,747	9777353,137	-4,022
A - 4979	360749,792	9777353,260	-4,012
A - 4980	360757,962	9777353,384	-4,112
A - 4981	360766,214	9777353,510	-4,162
A - 4982	360774,439	9777353,636	-4,162
A - 4983	360782,705	9777353,762	-4,302
A - 4984	360790,969	9777353,888	-4,352
A - 4985	360799,314	9777354,015	-4,292
A - 4986	360807,621	9777354,142	-4,322
A - 4987	360815,936	9777354,269	-4,442
A - 4988	360824,245	9777354,396	-4,442
A - 4989	360832,480	9777354,522	-4,632
A - 4990	360840,607	9777354,646	-4,612
A - 4991	360848,766	9777354,770	-4,712
A - 4992	360856,887	9777354,894	-4,862
A - 4993	360864,945	9777355,017	-4,902
A - 4994	360872,954	9777355,140	-4,872
A - 4995	360880,891	9777355,261	-4,952
A - 4996	360888,808	9777355,382	-4,962
A - 4997	360896,786	9777355,503	-4,932
A - 4998	360904,973	9777355,628	-4,812
A - 4999	360913,079	9777355,752	-5,012
A - 5000	360920,942	9777355,872	-5,032
A - 5001	360928,629	9777355,989	-5,262
A - 5002	360936,448	9777356,109	-5,222
A - 5003	360944,378	9777356,230	-5,322
A - 5004	360952,381	9777356,352	-5,422
A - 5005	360960,295	9777356,473	-5,642
A - 5006	360968,071	9777356,591	-5,682
A - 5007	360975,709	9777356,708	-5,942
A - 5008	360983,568	9777356,828	-5,792
A - 5009	360991,657	9777356,951	-5,762
A - 5010	360999,580	9777357,072	-5,762
A - 5011	361007,586	9777357,195	-5,792
A - 5012	361015,593	9777357,317	-5,772
A - 5013	361023,719	9777357,441	-5,872
A - 5014	361031,884	9777357,566	-5,902
A - 5015	361040,018	9777357,690	-5,912
A - 5016	361048,078	9777357,813	-6,052
A - 5017	361056,057	9777357,935	-6,102
A - 5018	361064,036	9777358,056	-6,162
A - 5019	361072,028	9777358,178	-6,212
A - 5020	361080,128	9777358,302	-6,512
A - 5021	361088,392	9777358,428	-6,452
A - 5022	361096,662	9777358,554	-6,422
A - 5023	361105,097	9777358,683	-6,392
A - 5024	361113,349	9777358,809	-6,472
A - 5025	361121,550	9777358,934	-6,532
A - 5026	361129,627	9777359,058	-6,712
A - 5027	361137,829	9777359,183	-6,762
A - 5028	361145,999	9777359,307	-6,732
A - 5029	361154,154	9777359,432	-6,772
A - 5030	361162,136	9777359,554	-6,752
A - 5031	361170,165	9777359,676	-6,772
A - 5032	361178,185	9777359,799	-6,952
A - 5033	361186,154	9777359,920	-7,192
A - 5034	361194,178	9777360,043	-7,292
A - 5035	361202,129	9777360,164	-7,252
A - 5036	361210,011	9777360,285	-7,352
A - 5037	361217,879	9777360,405	-7,222
A - 5038	361225,844	9777360,526	-7,502
A - 5039	361234,009	9777360,651	-7,412

A - 5040	361242,149	9777360,775	-7,422
A - 5041	361249,951	9777360,894	-7,292
A - 5042	361258,073	9777361,018	-7,482
A - 5043	361266,369	9777361,145	-7,512
A - 5044	361274,817	9777361,274	-7,572
A - 5045	361283,332	9777361,404	-7,582
A - 5046	361291,775	9777361,533	-7,632
A - 5047	361300,056	9777361,659	-7,822
A - 5048	361308,302	9777361,785	-7,862
A - 5049	361316,453	9777361,909	-7,842
A - 5050	361324,394	9777362,031	-7,862
A - 5051	361332,181	9777362,149	-8,032
A - 5052	361340,053	9777362,270	-8,012
A - 5053	361348,062	9777362,392	-8,202
A - 5054	361356,175	9777362,516	-8,072
A - 5055	361364,342	9777362,640	-8,362
A - 5056	361372,630	9777362,767	-8,262
A - 5057	361381,005	9777362,895	-8,282
A - 5058	361389,298	9777363,021	-8,222
A - 5059	361397,605	9777363,148	-8,222
A - 5060	361405,997	9777363,276	-8,402
A - 5061	361414,375	9777363,404	-8,462
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A - 5764	367037,006	9777449,232	-13,962
A - 5765	367045,180	9777449,356	-13,962
A - 5766	367053,165	9777449,478	-13,992
A - 5767	367061,084	9777449,599	-14,122
A - 5768	367069,125	9777449,722	-14,062
A - 5769	367077,171	9777449,845	-14,122
A - 5770	367085,081	9777449,966	-13,852
A - 5771	367093,031	9777450,087	-13,962
A - 5772	367101,084	9777450,210	-13,932
A - 5773	367109,053	9777450,331	-13,782
A - 5774	367117,101	9777450,454	-13,722
A - 5775	367125,199	9777450,578	-13,752
A - 5776	367133,257	9777450,701	-13,992
A - 5777	367141,389	9777450,825	-13,862
A - 5778	367149,572	9777450,950	-13,902
A - 5779	367157,667	9777451,074	-13,602
A - 5780	367165,674	9777451,196	-13,562
A - 5781	367173,757	9777451,319	-13,452
A - 5782	367181,848	9777451,443	-13,572
A - 5783	367189,796	9777451,564	-13,462
A - 5784	367197,296	9777451,678	-13,362
A - 5785	367204,804	9777451,793	-13,312
A - 5786	367212,467	9777451,910	-13,372
A - 5787	367220,117	9777452,027	-13,352
A - 5788	367227,706	9777452,143	-13,322
A - 5789	367235,315	9777452,259	-13,272
A - 5790	367243,034	9777452,377	-13,282
A - 5791	367250,856	9777452,496	-13,192
A - 5792	367258,729	9777452,616	-13,032
A - 5793	367266,594	9777452,736	-12,902
A - 5794	367274,514	9777452,857	-13,102
A - 5795	367282,591	9777452,980	-12,992
A - 5796	367290,558	9777453,102	-12,932
A - 5797	367298,637	9777453,225	-13,032
A - 5798	367306,602	9777453,347	-13,002
A - 5799	367314,448	9777453,467	-12,862
A - 5800	367322,317	9777453,587	-12,722
A - 5801	367330,121	9777453,706	-12,712
A - 5802	367338,005	9777453,826	-12,772

A - 5803	367345,853	9777453,946	-12,672
A - 5804	367353,610	9777454,065	-12,682
A - 5805	367361,385	9777454,183	-12,822
A - 5806	367369,372	9777454,305	-12,832
A - 5807	367377,470	9777454,429	-12,862
A - 5808	367385,607	9777454,553	-12,722
A - 5809	367393,795	9777454,678	-12,692
A - 5810	367401,938	9777454,802	-12,732
A - 5811	367410,034	9777454,926	-12,472
A - 5812	367417,941	9777455,047	-12,592
A - 5813	367425,927	9777455,168	-12,352
A - 5814	367433,938	9777455,291	-12,232
A - 5815	367441,963	9777455,413	-12,062
A - 5816	367450,013	9777455,536	-11,682
A - 5817	367458,095	9777455,660	-11,602
A - 5818	367466,204	9777455,783	-11,462
A - 5819	367474,229	9777455,906	-11,482
A - 5820	367482,343	9777456,030	-11,362
A - 5821	367490,469	9777456,154	-11,292
A - 5822	367498,597	9777456,278	-11,182
A - 5823	367506,663	9777456,401	-10,932
A - 5824	367514,608	9777456,522	-10,762
A - 5825	367522,488	9777456,642	-10,752
A - 5826	367530,203	9777456,760	-10,662
A - 5827	367537,986	9777456,879	-10,532
A - 5828	367545,930	9777457,000	-10,312
A - 5829	367553,983	9777457,123	-10,032
A - 5830	367562,086	9777457,247	-9,812
A - 5831	367570,224	9777457,371	-9,652
A - 5832	367578,316	9777457,495	-9,612
A - 5833	367586,386	9777457,618	-9,662
A - 5834	367594,568	9777457,743	-9,272
A - 5835	367602,658	9777457,866	-9,192
A - 5836	367610,741	9777457,990	-8,902
A - 5837	367618,727	9777458,111	-8,872
A - 5838	367626,732	9777458,234	-8,832
A - 5839	367634,856	9777458,358	-8,752
A - 5840	367643,041	9777458,483	-8,732
A - 5841	367651,199	9777458,607	-8,542
A - 5842	367659,356	9777458,732	-8,292
A - 5843	367667,384	9777458,854	-8,272
A - 5844	367675,370	9777458,976	-8,202
A - 5845	367683,206	9777459,096	-8,162
A - 5846	367691,166	9777459,217	-8,062
A - 5847	367699,283	9777459,341	-7,882
A - 5848	367707,428	9777459,465	-7,412
A - 5849	367715,660	9777459,591	-7,422
A - 5850	367723,952	9777459,718	-7,232
A - 5851	367732,256	9777459,844	-7,082
A - 5852	367740,605	9777459,972	-7,022
A - 5853	367748,914	9777460,099	-6,902
A - 5854	367757,095	9777460,224	-6,792
A - 5855	367765,226	9777460,348	-6,562
A - 5856	367773,304	9777460,471	-6,492
A - 5857	367781,352	9777460,594	-6,322
A - 5858	367789,442	9777460,717	-6,242
A - 5859	367797,616	9777460,842	-6,102
A - 5860	367805,793	9777460,967	-5,912
A - 5861	367814,051	9777461,093	-5,872
A - 5862	367822,379	9777461,220	-5,602
A - 5863	367830,785	9777461,348	-5,662
A - 5864	367839,150	9777461,476	-5,652
A - 5865	367847,569	9777461,605	-5,502
A - 5866	367855,943	9777461,733	-5,392
A - 5867	367864,295	9777461,860	-5,362
A - 5868	367872,593	9777461,987	-5,352
A - 5869	367880,885	9777462,113	-5,112
A - 5870	367889,271	9777462,241	-5,172
A - 5871	367897,565	9777462,368	-4,872
A - 5872	367905,807	9777462,494	-4,712
A - 5873	367914,148	9777462,621	-4,672
A - 5874	367922,577	9777462,750	-4,612
A - 5875	367930,940	9777462,877	-4,442
A - 5876	367939,437	9777463,007	-4,282
A - 5877	367947,940	9777463,137	-4,132
A - 5878	367956,320	9777463,265	-4,082
A - 5879	367964,639	9777463,392	-3,902
A - 5880	367972,947	9777463,519	-3,802
A - 5881	367981,299	9777463,646	-3,772
A - 5882	367989,652	9777463,774	-3,542
A - 5883	367997,980	9777463,901	-3,622
A - 5884	368006,290	9777464,028	-3,562
A - 5885	368014,531	9777464,153	-3,422
A - 5886	368022,838	9777464,280	-3,352
A - 5887	368031,276	9777464,409	-3,312
A - 5888	368039,703	9777464,538	-3,172
A - 5889	368048,193	9777464,667	-2,982
A - 5890	368056,708	9777464,797	-2,772
A - 5891	368065,222	9777464,927	-2,612
A - 5892	368073,817	9777465,058	-2,422
A - 5893	368082,312	9777465,188	-2,122
A - 5894	368090,755	9777465,317	-2,142
A - 5895	368099,290	9777465,447	-2,142
A - 5896	368107,772	9777465,577	-2,122
A - 5897	368116,224	9777465,706	-2,092
A - 5898	368124,746	9777465,836	-2,112
A - 5899	368133,271	9777465,966	-2,052
A - 5900	368141,753	9777466,095	-2,092
A - 5901	368150,239	9777466,225	-2,012
A - 5902	368158,720	9777466,354	-2,002
A - 5903	368167,221	9777466,484	-1,952
A - 5904	368175,744	9777466,614	-2,102
A - 5905	368184,228	9777466,744	-2,092
A - 5906	368192,773	9777466,874	-2,102
A - 5907	368201,257	9777467,004	-1,982
A - 5908	368209,678	9777467,132	-1,982
A - 5909	368218,083	9777467,260	-1,962
A - 5910	368226,542	9777467,390	-2,052
A - 5911	368235,013	9777467,519	-2,092
A - 5912	368243,461	9777467,648	-2,112
A - 5913	368251,962	9777467,778	-2,092
A - 5914	368260,467	9777467,907	-1,952
A - 5915	368268,993	9777468,038	-1,912
A - 5916	368277,538	9777468,168	-2,172
A - 5917	368286,042	9777468,298	-2,292
A - 5918	368294,516	9777468,427	-2,422
A - 5919	368302,990	9777468,557	-2,532
A - 5920	368311,351	9777468,684	-2,552
A - 5921	368319,730	9777468,812	-2,672
A - 5922	368328,236	9777468,942	-2,782
A - 5923	368336,778	9777469,072	-2,862
A - 5924	368345,227	9777469,201	-2,812
A - 5925	368353,648	9777469,330	-2,742
A - 5926	368362,103	9777469,459	-2,622
A - 5927	368370,549	9777469,588	-2,482
A - 5928	368379,073	9777469,718	-2,442
A - 5929	368387,620	9777469,848	-2,252
A - 5930	368396,187	9777469,979	-2,102
A - 5931	368404,712	9777470,109	-1,972
A - 5932	368413,271	9777470,240	-1,892
A - 5933	368421,823	9777470,370	-1,792
A - 5934	368430,255	9777470,499	-1,712
A - 5935	368438,733	9777470,629	-1,622
A - 5936	368447,180	9777470,758	-1,502
A - 5937	368455,654	9777470,887	-1,412
A - 5938	368464,139	9777471,016	-1,272
A - 5939	368472,730	9777471,148	-1,242
A - 5940	368481,247	9777471,278	-1,122
A - 5941	368489,728	9777471,407	-0,952
A - 5942	368498,218	9777471,537	-0,862
A - 5943	368506,683	9777471,666	-0,622
A - 5944	368515,116	9777471,795	-0,342
A - 5945	368523,472	9777471,922	-0,092
A - 5946	368531,834	9777472,050	0,118
A - 5947	368540,112	9777472,176	0,368
A - 5948	368548,198	9777472,300	0,528
A - 5949	368556,378	9777472,424	0,718
A - 5950	368564,599	9777472,550	0,938
A - 5951	368572,862	9777472,676	1,138
A - 5952	368581,181	9777472,803	1,398
A - 5954	368597,895	9777473,058	1,768
A - 5955	368606,308	9777473,187	1,978
A - 5956	368614,570	9777473,313	2,088
A - 5957	368622,597	9777473,435	2,138
A - 5958	368630,616	9777473,558	2,138
A - 5959	368638,635	9777473,680	2,178
A - 5960	368646,656	9777473,802	2,198
A - 5961	368654,694	9777473,925	2,188
A - 5962	368662,763	9777474,048	2,228
A - 5963	368670,915	9777474,173	2,218
A - 5964	368678,979	9777474,296	2,238
A - 5965	368687,042	9777474,419	2,228
A - 5966	368695,012	9777474,541	2,268
A - 5967	368702,918	9777474,661	2,308
A - 5968	368710,763	9777474,781	2,308
A - 5969	368718,570	9777474,900	2,258
A - 5970	368726,537	9777475,022	2,248
A - 5971	368734,587	9777475,145	2,278
A - 5972	368742,540	9777475,266	2,298
A - 5973	368750,539	9777475,388	2,308
A - 5974	368758,578	9777475,511	2,248
A - 5975	368766,676	9777475,635	2,238
A - 5976	368774,794	9777475,758	2,258
A - 5977	368782,992	9777475,884	2,258
A - 5978	368791,034	9777476,006	2,268
A - 5979	368799,093	9777476,129	2,248
A - 5980	368807,154	9777476,252	2,218
A - 5981	368815,189	9777476,375	2,208
A - 5982	368823,231	9777476,498	2,208
A - 5983	368831,336	9777476,622	2,208
A - 5984	368839,508	9777476,746	2,218
A - 5985	368847,662	9777476,871	2,188
A - 5986	368855,949	9777476,997	2,228
A - 5987	368864,237	9777477,124	2,238
A - 5988	368872,438	9777477,249	2,258
A - 5989	368880,593	9777477,373	2,248
A - 5990	368888,704	9777477,497	2,248
A - 5991	368896,822	9777477,621	2,248
A - 5992	368904,976	9777477,746	2,228
A - 5993	368913,108	9777477,870	2,238
A - 5994	368921,309	9777477,995	2,198
A - 5995	368929,494	9777478,120	2,238
A - 5996	368937,680	9777478,245	2,258
A - 5997	368945,706	9777478,367	2,308
A - 5998	368953,814	9777478,491	2,298
A - 5999	368961,831	9777478,614	2,328
A - 6000	368969,830	9777478,736	2,328
A - 6001	368977,884	9777478,859	2,328
A - 6002	368985,914	9777478,981	2,328
A - 6003	368993,922	9777479,103	2,318
A - 6004	369001,926	9777479,226	2,298
A - 6005	369009,929	9777479,348	2,288
A - 6006	369017,920	9777479,470	2,308
A - 6007	369025,891	9777479,591	2,368
A - 6008	369033,913	9777479,714	2,378
A - 6009	369042,068	9777479,838	2,368
A - 6010	369050,149	9777479,962	2,388
A - 6011	369058,305	9777480,086	2,408
A - 6012	369066,423	9777480,210	2,408
A - 6013	369074,454	9777480,333	2,448
A - 6014	369082,480	9777480,455	2,458
A - 6015	369090,518	9777480,578	2,468
A - 6016	369098,597	9777480,701	2,468
A - 6017	369106,656	9777480,824	2,478
A - 6018	369114,738	9777480,948	2,478
A - 6019	369122,872	9777481,072	2,478
A - 6020	369130,890	9777481,194	2,508
A - 6021	369138,800	9777481,315	2,538
A - 6022	369146,826	9777481,437	2,538
A - 6023	369154,828	9777481,560	2,528
A - 6024	369162,732	9777481,680	2,548
A - 6025	369170,676	9777481,801	2,568
A - 6026	369178,684	9777481,924	2,598
A - 6027	369186,617	9777482,045	2,628
A - 6028	369194,469	9777482,165	2,638
A - 6029	369202,495	9777482,287	2,658
A - 6030	369210,519	9777482,410	2,698
A - 6031	369218,628	9777482,533	2,698
A - 6032	369226,727	9777482,657	2,688
A - 6033	369233,635	9777482,763	2,728
A - 6034	369240,653	9777482,870	2,768
A - 6035	369249,289	9777483,001	2,788
A - 6036	369257,635	9777483,129	2,818
A - 6037	369264,725	9777483,237	2,858
A - 6038	369269,758	9777483,314	2,898
A - 6039	369274,166	9777483,381	2,858
A - 6040	369278,708	9777483,451	2,788
A - 6041	369283,241	9777483,520	2,818
A - 6042	369291,283	9777483,642	2,888
A - 6043	369298,520	9777483,753	2,898
A - 6044	369305,701	9777483,863	2,908
A - 6045	369309,992	9777483,928	2,958
A - 6046	369314,093	9777483,991	2,998
A - 6047	369321,486	9777484,104	3,038
A - 6048	369327,548	9777484,196	3,088
A - 6049	369332,431	9777484,271	3,128
A - P22D2 - NA	369346,555	9777484,486	3,103
A - S22D	369354,333	9777484,605	4,324
A - P22D1	369363,374	9777484,743	4,522

PONTO	E	N	COTA
A - Final	354373,270	9785490,997	2,842
A -	354392,176	9785491,390	2,742
A -	354411,083	9785491,782	2,542
A -	354429,990	9785492,174	2,322
A -	354448,896	9785492,566	2,072
A -	354467,803	9785492,959	1,972
A -	354486,709	9785493,351	2,342
A -	354505,616	9785493,743	2,442
A -	354524,522	9785494,136	1,932
A -	354543,429	9785494,528	1,942
A -	354562,336	9785494,920	1,992
A -	354581,242	9785495,312	2,292
A -	354600,149	9785495,705	2,272
A -	354619,055	9785496,097	2,342
A -	354637,962	9785496,489	2,542
A -	354656,868	9785496,881	2,042
A -	354675,775	9785497,274	2,292
A -	354694,682	9785497,666	2,542
A -	354713,588	9785498,058	2,442
A -	354732,495	9785498,451	2,292
A -	354751,401	9785498,843	2,342
A -	354770,308	9785499,235	2,142
A -	354789,215	9785499,627	1,862
A -	354808,121	9785500,020	2,092
A -	354827,028	9785500,412	2,042
A -	354845,934	9785500,804	2,292
A -	354864,841	9785501,196	2,272
A -	354883,747	9785501,589	2,242
A - S23E - 24	354902,654	9785501,981	2,042
A - 2779	354920,459	9785502,350	1,589
A - 2780	354924,862	9785502,442	1,519
A - 2781	354929,349	9785502,535	1,469
A - 2782	354935,768	9785502,668	1,439
A - 2783	354943,130	9785502,821	1,359
A - 2784	354947,144	9785502,904	1,349
A - 2785	354951,307	9785502,990	1,309
A - 2786	354955,514	9785503,078	1,289
A - 2787	354959,739	9785503,165	1,269
A - 2788	354964,013	9785503,254	1,219
A - 2789	354968,317	9785503,343	1,189
A - 2790	354972,551	9785503,431	1,209
A - 2791	354976,606	9785503,515	1,189
A - 2792	354980,555	9785503,597	1,169
A - 2793	354984,616	9785503,682	1,169
A - 2794	354988,733	9785503,767	1,159
A - 2795	354993,133	9785503,858	1,159
A - 2796	354997,659	9785503,952	1,139
A - 2797	355002,512	9785504,053	1,139
A - 2798	355007,371	9785504,154	1,089
A - 2799	355012,234	9785504,255	1,069
A - 2800	355017,070	9785504,355	1,069
A - 2801	355022,328	9785504,464	1,029
A - 2802	355027,897	9785504,580	1,019
A - 2803	355033,852	9785504,703	1,039
A - 2804	355039,776	9785504,826	0,999
A - 2805	355045,498	9785504,945	0,969
A - 2806	355051,076	9785505,060	0,889
A - 2807	355056,669	9785505,177	0,879
A - 2808	355062,298	9785505,293	0,899
A - 2809	355068,130	9785505,414	0,909
A - 2810	355073,975	9785505,536	0,879
A - 2811	355079,918	9785505,659	0,859
A - 2812	355085,962	9785505,784	0,839
A - 2813	355092,076	9785505,911	0,819
A - 2814	355098,146	9785506,037	0,739
A - 2815	355104,548	9785506,170	0,749
A - 2816	355110,814	9785506,300	0,699
A - 2817	355117,099	9785506,430	0,669
A - 2818	355123,381	9785506,561	0,579
A - 2819	355129,563	9785506,689	0,549
A - 2820	355135,967	9785506,822	0,459
A - 2821	355142,308	9785506,953	0,419
A - 2822	355148,747	9785507,087	0,409
A - 2823	355155,190	9785507,221	0,339
A - 2824	355161,619	9785507,354	0,289
A - 2825	355168,032	9785507,487	0,279
A - 2826	355174,289	9785507,617	0,299
A - 2827	355180,163	9785507,739	0,269
A - 2828	355185,893	9785507,858	0,189
A - 2829	355191,515	9785507,974	0,209
A - 2830	355197,231	9785508,093	0,139
A - 2831	355203,379	9785508,220	0,099
A - 2832	355209,909	9785508,356	0,029

PONTO	E	N	COTA
A - 2833	355216,604	9785508,495	0,019
A - 2834	355223,503	9785508,638	0,059
A - 2835	355230,354	9785508,780	0,039
A - 2836	355236,765	9785508,913	0,029
A - 2837	355242,672	9785509,036	0,019
A - 2838	355247,694	9785509,140	-0,031
A - 2839	355252,418	9785509,238	-0,051
A - 2840	355257,230	9785509,338	-0,021
A - 2841	355262,601	9785509,449	-0,041
A - 2842	355268,505	9785509,572	-0,011
A - 2843	355274,735	9785509,701	-0,001
A - 2844	355280,981	9785509,831	-0,021
A - 2845	355287,103	9785509,958	-0,051
A - 2846	355293,288	9785510,086	-0,021
A - 2847	355299,594	9785510,217	0,029
A - 2848	355305,976	9785510,349	-0,011
A - 2849	355312,237	9785510,479	0,059
A - 2850	355318,482	9785510,609	0,099
A - 2851	355324,777	9785510,739	0,089
A - 2852	355331,186	9785510,872	0,149
A - 2853	355337,600	9785511,005	0,169
A - 2854	355343,997	9785511,138	0,119
A - 2855	355350,402	9785511,271	0,099
A - 2856	355356,747	9785511,402	0,099
A - 2857	355363,054	9785511,533	0,049
A - 2858	355369,441	9785511,666	0,089
A - 2859	355375,835	9785511,799	0,129
A - 2860	355382,114	9785511,929	0,159
A - 2861	355388,379	9785512,059	0,129
A - 2862	355394,627	9785512,188	0,179
A - 2863	355400,928	9785512,319	0,189
A - 2864	355407,375	9785512,453	0,139
A - 2865	355413,869	9785512,588	0,169
A - 2866	355420,542	9785512,726	0,169
A - 2867	355427,118	9785512,863	0,239
A - 2868	355433,683	9785512,999	0,249
A - 2869	355440,286	9785513,136	0,209
A - 2870	355446,700	9785513,269	0,249
A - 2871	355453,240	9785513,405	0,239
A - 2872	355459,876	9785513,542	0,289
A - 2873	355466,493	9785513,680	0,279
A - 2874	355473,277	9785513,820	0,269
A - 2875	355479,839	9785513,956	0,229
A - 2876	355486,389	9785514,092	0,239
A - 2877	355492,992	9785514,229	0,259
A - 2878	355499,594	9785514,366	0,269
A - 2879	355505,972	9785514,499	0,249
A - 2880	355512,329	9785514,631	0,239
A - 2881	355518,780	9785514,764	0,199
A - 2882	355525,380	9785514,901	0,229
A - 2883	355532,046	9785515,040	0,239
A - 2884	355538,594	9785515,175	0,229
A - 2885	355545,170	9785515,312	0,229
A - 2886	355551,624	9785515,446	0,209
A - 2887	355558,229	9785515,583	0,209
A - 2888	355564,888	9785515,721	0,179
A - 2889	355571,656	9785515,861	0,119
A - 2890	355578,434	9785516,002	0,199
A - 2891	355585,165	9785516,142	0,239
A - 2892	355591,108	9785516,265	0,239
A - 2893	355596,361	9785516,374	0,219
A - 2894	355601,673	9785516,484	0,229
A - 2895	355607,459	9785516,604	0,209
A - 2896	355613,683	9785516,733	0,209
A - 2897	355620,215	9785516,869	0,189
A - 2898	355627,028	9785517,010	0,129
A - 2899	355633,888	9785517,153	0,129
A - 2900	355640,719	9785517,294	0,169
A - 2901	355647,566	9785517,436	0,159
A - 2902	355654,346	9785517,577	0,139
A - 2903	355661,189	9785517,719	0,149
A - 2904	355668,084	9785517,862	0,119
A - 2905	355675,029	9785518,006	0,149
A - 2906	355681,859	9785518,148	0,099
A - 2907	355688,808	9785518,292	0,099
A - 2908	355695,561	9785518,432	0,119
A - 2909	355702,332	9785518,573	0,149
A - 2910	355709,062	9785518,712	0,149
A - 2911	355715,676	9785518,850	0,159
A - 2912	355722,158	9785518,984	0,149
A - 2913	355728,830	9785519,122	0,179
A - 2914	355735,661	9785519,264	0,149
A - 2915	355742,212	9785519,400	0,109

PONTO	E	N	COTA
A - 2916	355749,048	9785519,542	-0,011
A - 2917	355755,657	9785519,679	0,019
A - 2918	355762,277	9785519,816	-0,031
A - 2919	355768,947	9785519,955	-0,031
A - 2920	355775,602	9785520,093	-0,041
A - 2921	355782,168	9785520,229	-0,031
A - 2922	355788,809	9785520,367	-0,101
A - 2923	355795,342	9785520,502	-0,031
A - 2924	355801,884	9785520,638	-0,021
A - 2925	355808,480	9785520,775	-0,021
A - 2926	355815,206	9785520,915	-0,131
A - 2927	355822,024	9785521,056	-0,141
A - 2928	355829,037	9785521,202	-0,121
A - 2929	355836,191	9785521,350	-0,161
A - 2930	355843,385	9785521,499	-0,171
A - 2931	355850,587	9785521,649	-0,151
A - 2932	355857,845	9785521,799	-0,121
A - 2933	355865,010	9785521,948	-0,191
A - 2934	355872,018	9785522,093	-0,171
A - 2935	355879,024	9785522,239	-0,221
A - 2936	355885,571	9785522,375	-0,201
A - 2937	355892,105	9785522,510	-0,191
A - 2938	355898,649	9785522,646	-0,191
A - 2939	355905,332	9785522,785	-0,221
A - 2940	355912,086	9785522,925	-0,241
A - 2941	355918,917	9785523,066	-0,251
A - 2942	355925,737	9785523,208	-0,271
A - 2943	355932,540	9785523,349	-0,251
A - 2944	355939,161	9785523,486	-0,281
A - 2945	355945,825	9785523,625	-0,281
A - 2946	355952,484	9785523,763	-0,291
A - 2947	355959,059	9785523,899	-0,291
A - 2948	355965,366	9785524,030	-0,331
A - 2949	355971,565	9785524,159	-0,381
A - 2950	355977,833	9785524,289	-0,391
A - 2951	355984,517	9785524,427	-0,391
A - 2952	355991,152	9785524,565	-0,371
A - 2953	355997,950	9785524,706	-0,351
A - 2954	356004,667	9785524,846	-0,381
A - 2955	356011,351	9785524,984	-0,391
A - 2956	356017,933	9785525,121	-0,371
A - 2957	356024,382	9785525,255	-0,451
A - 2958	356030,929	9785525,390	-0,421
A - 2959	356037,659	9785525,530	-0,431
A - 2960	356044,397	9785525,670	-0,461
A - 2961	356051,236	9785525,812	-0,431
A - 2962	356058,023	9785525,953	-0,421
A - 2963	356064,780	9785526,093	-0,401
A - 2964	356071,502	9785526,232	-0,411
A - 2965	356078,129	9785526,370	-0,411
A - 2966	356085,249	9785526,517	-0,411
A - 2967	356092,288	9785526,663	-0,411
A - 2968	356099,368	9785526,810	-0,401
A - 2969	356106,509	9785526,959	-0,441
A - 2970	356113,619	9785527,106	-0,441
A - 2971	356120,800	9785527,255	-0,421
A - 2972	356127,846	9785527,401	-0,431
A - 2973	356134,971	9785527,549	-0,451
A - 2974	356142,081	9785527,697	-0,451
A - 2975	356149,274	9785527,846	-0,481
A - 2976	356156,531	9785527,996	-0,471
A - 2977	356163,708	9785528,145	-0,541
A - 2978	356170,900	9785528,295	-0,521
A - 2979	356178,005	9785528,442	-0,591
A - 2980	356185,057	9785528,588	-0,571
A - 2981	356192,022	9785528,733	-0,591
A - 2982	356199,016	9785528,878	-0,591
A - 2983	356206,094	9785529,025	-0,571
A - 2984	356213,163	9785529,171	-0,641
A - 2985	356220,152	9785529,316	-0,641
A - 2986	356227,041	9785529,459	-0,601
A - 2987	356233,521	9785529,594	-0,611
A - 2988	356239,924	9785529,727	-0,611
A - 2989	356246,541	9785529,864	-0,631
A - 2990	356253,225	9785530,003	-0,621
A - 2991	356259,975	9785530,143	-0,641
A - 2992	356266,824	9785530,285	-0,621
A - 2993	356273,686	9785530,427	-0,601
A - 2994	356280,646	9785530,572	-0,621
A - 2995	356287,382	9785530,711	-0,621
A - 2996	356294,043	9785530,849	-0,591
A - 2997	356300,639	9785530,986	-0,591
A - 2998	356307,358	9785531,126	-0,581

A - 2999	356314,171	9785531,267	-0,631
A - 3000	356320,908	9785531,407	-0,641
A - 3001	356327,658	9785531,547	-0,621
A - 3002	356334,371	9785531,686	-0,591
A - 3003	356341,294	9785531,830	-0,671
A - 3004	356348,334	9785531,976	-0,671
A - 3005	356355,536	9785532,125	-0,661
A - 3006	356362,806	9785532,276	-0,661
A - 3008	356377,574	9785532,583	-0,701
A - 3009	356384,963	9785532,736	-0,741
A - 3010	356392,339	9785532,889	-0,721
A - 3011	356399,747	9785533,043	-0,701
A - 3012	356406,836	9785533,190	-0,701
A - 3013	356413,979	9785533,338	-0,671
A - 3014	356421,182	9785533,487	-0,661
A - 3015	356428,440	9785533,638	-0,651
A - 3016	356435,759	9785533,790	-0,681
A - 3017	356443,027	9785533,941	-0,671
A - 3018	356450,361	9785534,093	-0,671
A - 3019	356457,626	9785534,244	-0,641
A - 3020	356464,958	9785534,396	-0,671
A - 3021	356472,130	9785534,544	-0,681
A - 3022	356479,285	9785534,693	-0,701
A - 3023	356486,253	9785534,837	-0,611
A - 3024	356493,262	9785534,983	-0,671
A - 3025	356500,218	9785535,127	-0,611
A - 3026	356507,340	9785535,275	-0,571
A - 3027	356514,547	9785535,424	-0,591
A - 3028	356521,715	9785535,573	-0,681
A - 3029	356528,932	9785535,723	-0,631
A - 3030	356536,173	9785535,873	-0,601
A - 3031	356543,421	9785536,024	-0,601
A - 3032	356550,579	9785536,172	-0,691
A - 3033	356557,652	9785536,319	-0,641
A - 3034	356564,848	9785536,468	-0,631
A - 3035	356572,104	9785536,619	-0,621
A - 3036	356579,508	9785536,772	-0,631
A - 3037	356586,922	9785536,926	-0,621
A - 3038	356594,294	9785537,079	-0,611
A - 3039	356601,693	9785537,233	-0,611
A - 3040	356608,949	9785537,383	-0,651
A - 3041	356616,158	9785537,533	-0,611
A - 3042	356623,394	9785537,683	-0,601
A - 3043	356630,655	9785537,833	-0,611
A - 3044	356637,879	9785537,983	-0,641
A - 3045	356645,072	9785538,133	-0,631
A - 3046	356652,134	9785538,279	-0,611
A - 3047	356659,071	9785538,423	-0,621
A - 3048	356666,057	9785538,568	-0,611
A - 3049	356673,060	9785538,713	-0,621
A - 3050	356680,078	9785538,859	-0,631
A - 3051	356687,279	9785539,008	-0,611
A - 3052	356694,394	9785539,156	-0,651
A - 3053	356701,493	9785539,303	-0,681
A - 3054	356708,512	9785539,449	-0,651
A - 3055	356715,473	9785539,593	-0,651
A - 3056	356722,386	9785539,737	-0,661
A - 3057	356729,274	9785539,880	-0,661
A - 3058	356736,316	9785540,026	-0,691
A - 3059	356743,434	9785540,173	-0,671
A - 3060	356750,635	9785540,323	-0,691
A - 3061	356757,820	9785540,472	-0,671
A - 3062	356765,071	9785540,622	-0,721
A - 3063	356772,261	9785540,772	-0,721
A - 3064	356779,510	9785540,922	-0,771
A - 3065	356786,703	9785541,071	-0,811
A - 3066	356793,974	9785541,222	-0,891
A - 3067	356801,173	9785541,371	-0,881
A - 3068	356808,304	9785541,519	-1,011
A - 3069	356815,418	9785541,667	-1,061
A - 3070	356822,526	9785541,814	-1,141
A - 3071	356829,780	9785541,965	-1,161
A - 3072	356836,775	9785542,110	-1,371
A - 3073	356843,376	9785542,247	-1,531
A - 3074	356850,144	9785542,387	-1,801
A - 3075	356857,274	9785542,535	-2,341
A - 3076	356864,400	9785542,683	-2,211
A - 3077	356870,761	9785542,815	-1,801
A - 3078	356876,650	9785542,937	-1,501
A - 3079	356882,558	9785543,060	-1,331
A - 3080	356888,479	9785543,183	-1,291
A - 3081	356894,298	9785543,304	-1,171
A - 3082	356900,165	9785543,425	-1,101
A - 3083	356906,130	9785543,549	-1,041
A - 3084	356912,337	9785543,678	-1,031
A - 3085	356918,577	9785543,807	-1,061
A - 3086	356925,085	9785543,942	-1,211
A - 3087	356931,633	9785544,078	-1,201
A - 3088	356938,256	9785544,216	-1,131
A - 3089	356944,843	9785544,352	-1,161
A - 3090	356951,549	9785544,491	-1,211
A - 3091	356958,033	9785544,626	-1,371
A - 3092	356964,540	9785544,761	-1,601
A - 3093	356971,080	9785544,897	-1,641
A - 3094	356977,601	9785545,032	-1,451
A - 3095	356984,077	9785545,166	-1,231
A - 3096	356990,620	9785545,302	-1,121
A - 3097	356997,259	9785545,440	-1,031
A - 3098	357003,915	9785545,578	-1,001
A - 3099	357010,527	9785545,715	-0,961
A - 3100	357017,148	9785545,852	-1,021
A - 3101	357023,740	9785545,989	-1,031
A - 3102	357030,306	9785546,125	-0,961
A - 3103	357036,851	9785546,261	-0,961
A - 3104	357043,397	9785546,397	-0,951
A - 3105	357050,106	9785546,536	-0,971
A - 3106	357056,901	9785546,677	-0,981
A - 3107	357063,622	9785546,817	-0,981
A - 3108	357070,158	9785546,952	-0,971
A - 3109	357076,761	9785547,089	-0,991
A - 3110	357083,287	9785547,225	-0,971
A - 3111	357089,903	9785547,362	-0,941
A - 3112	357096,393	9785547,497	-1,001
A - 3113	357103,016	9785547,634	-1,001
A - 3114	357109,652	9785547,772	-0,981
A - 3115	357116,353	9785547,911	-0,961
A - 3116	357123,109	9785548,051	-1,011
A - 3117	357129,868	9785548,191	-1,021
A - 3118	357136,575	9785548,330	-1,011
A - 3119	357143,150	9785548,467	-1,061
A - 3120	357149,713	9785548,603	-0,971
A - 3121	357156,296	9785548,739	-1,041
A - 3122	357162,862	9785548,876	-1,091
A - 3123	357169,461	9785549,013	-1,041
A - 3124	357176,024	9785549,149	-1,021
A - 3125	357182,686	9785549,287	-1,001
A - 3126	357189,403	9785549,426	-1,001
A - 3127	357196,062	9785549,565	-1,031
A - 3128	357202,665	9785549,702	-1,031
A - 3129	357209,446	9785549,842	-1,051
A - 3130	357216,340	9785549,985	-1,061
A - 3131	357223,122	9785550,126	-1,051
A - 3132	357229,824	9785550,265	-1,031
A - 3133	357236,339	9785550,400	-1,091
A - 3134	357242,966	9785550,538	-1,071
A - 3135	357249,562	9785550,675	-1,061
A - 3136	357256,158	9785550,811	-1,041
A - 3137	357262,780	9785550,949	-1,071
A - 3138	357269,431	9785551,087	-1,061
A - 3139	357276,260	9785551,228	-1,061
A - 3140	357283,135	9785551,371	-1,061
A - 3141	357289,979	9785551,513	-1,101
A - 3142	357296,849	9785551,656	-1,081
A - 3143	357303,774	9785551,799	-1,061
A - 3144	357310,750	9785551,944	-1,061
A - 3145	357317,769	9785552,090	-1,051
A - 3146	357324,746	9785552,234	-1,031
A - 3147	357331,769	9785552,380	-1,031
A - 3148	357338,728	9785552,525	-1,031
A - 3149	357345,621	9785552,668	-1,071
A - 3150	357352,460	9785552,809	-1,071
A - 3151	357359,361	9785552,953	-1,051
A - 3152	357366,266	9785553,096	-1,051
A - 3153	357373,167	9785553,239	-1,081
A - 3154	357380,019	9785553,381	-1,101
A - 3155	357386,744	9785553,521	-1,081
A - 3156	357393,482	9785553,661	-1,051
A - 3157	357400,333	9785553,803	-1,061
A - 3158	357407,143	9785553,944	-1,081
A - 3159	357413,965	9785554,086	-1,031
A - 3160	357420,889	9785554,229	-1,091
A - 3161	357427,768	9785554,372	-1,061
A - 3162	357434,807	9785554,518	-1,031
A - 3163	357441,940	9785554,666	-1,031
A - 3164	357448,967	9785554,812	-1,001
A - 3165	357456,098	9785554,960	-0,981
A - 3166	357463,125	9785555,106	-0,981
A - 3167	357470,088	9785555,250	-0,991
A - 3168	357476,954	9785555,392	-1,031
A - 3169	357483,926	9785555,537	-1,001
A - 3170	357490,813	9785555,680	-1,031
A - 3171	357497,850	9785555,826	-1,011
A - 3172	357504,907	9785555,972	-1,001
A - 3173	357511,954	9785556,119	-1,071
A - 3174	357518,949	9785556,264	-1,081
A - 3175	357525,846	9785556,407	-1,121
A - 3176	357532,828	9785556,552	-1,071
A - 3177	357539,750	9785556,695	-1,101
A - 3179	357554,011	9785556,991	-1,011
A - 3180	357561,051	9785557,137	-0,981
A - 3181	357568,179	9785557,285	-1,001
A - 3182	357575,070	9785557,428	-1,001
A - 3183	357581,856	9785557,569	-0,981
A - 3184	357588,396	9785557,705	-0,971
A - 3185	357594,985	9785557,841	-1,031
A - 3186	357601,498	9785557,977	-0,961
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A - 3188	357615,172	9785558,260	-1,021
A - 3189	357622,277	9785558,408	-1,031
A - 3190	357629,264	9785558,553	-1,011
A - 3191	357636,214	9785558,697	-1,061
A - 3192	357643,104	9785558,840	-1,061
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A - 3194	357657,071	9785559,130	-1,101
A - 3195	357663,827	9785559,270	-1,071
A - 3196	357669,733	9785559,392	-1,091
A - 3197	357674,885	9785559,499	-1,091
A - 3198	357680,567	9785559,617	-1,111
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A - 3202	357708,430	9785560,195	-1,111
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A - 3205	357730,607	9785560,655	-1,131
A - 3206	357737,474	9785560,798	-1,121
A - 3207	357744,044	9785560,934	-1,111
A - 3208	357750,760	9785561,073	-1,071
A - 3209	357757,478	9785561,213	-1,081
A - 3210	357764,169	9785561,352	-1,101
A - 3211	357770,986	9785561,493	-1,051
A - 3212	357777,787	9785561,634	-1,081
A - 3213	357784,653	9785561,777	-1,131
A - 3214	357791,637	9785561,922	-1,091
A - 3215	357798,541	9785562,065	-1,121
A - 3216	357805,399	9785562,207	-1,101
A - 3217	357812,247	9785562,349	-1,041
A - 3218	357819,218	9785562,494	-1,211
A - 3219	357826,345	9785562,642	-1,401
A - 3220	357833,580	9785562,792	-1,551
A - 3221	357840,383	9785562,933	-1,591
A - 3222	357847,078	9785563,072	-1,431
A - 3223	357854,095	9785563,217	-1,171
A - 3224	357861,291	9785563,367	-1,101
A - 3225	357868,538	9785563,517	-1,051
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A - 3227	357883,167	9785563,821	-1,031
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A - 3232	357919,524	9785564,575	-1,031
A - 3233	357926,511	9785564,720	-1,011
A - 3234	357933,515	9785564,865	-0,951
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A - 3236	357947,862	9785565,163	-0,981
A - 3237	357955,124	9785565,314	-0,971
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A - 3241	357983,812	9785565,909	-0,971
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A - 3243	357997,993	9785566,203	-1,071
A - 3244	358005,286	9785566,354	-1,001
A - 3245	358012,431	9785566,503	-1,001
A - 3246	358019,736	9785566,654	-1,001
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A - 3250	358048,276	9785567,246	-0,981
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A - 3258	358102,712	9785568,376	-1,131
A - 3259	358109,640	9785568,519	-1,111
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A - 3262	358130,378	9785568,950	-1,131
A - 3263	358137,338	9785569,094	-1,091
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A - 3268	358171,304	9785569,799	-1,131
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A - 3270	358184,643	9785570,076	-1,101
A - 3271	358191,233	9785570,212	-1,171
A - 3272	358198,091	9785570,355	-1,201
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A - 3289	358295,954	9785572,385	-1,711
A - 3290	358301,749	9785572,505	-1,911
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A - 3300	358359,909	9785573,712	-3,231
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A - 3335	358573,798	9785578,150	-1,331
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A - 3337	358585,931	9785578,401	-1,331
A - 3338	358591,657	9785578,520	-1,331
A - 3339	358597,334	9785578,638	-1,371
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A - 3342	358615,244	9785579,010	-1,471
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A - 3344	358628,432	9785579,283	-1,521
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A - 3357	358720,083	9785581,185	-1,591
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A - 3361	358748,089	9785581,766	-1,451
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A - 3421	359121,464	9785589,513	-1,121
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A - 3429	359171,430	9785590,549	-1,151
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A - 3432	359190,141	9785590,938	-1,151
A - 3433	359196,304	9785591,065	-1,161
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A - 3458	359356,383	9785594,387	-1,641
A - 3459	359363,403	9785594,532	-1,671
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A - 4596	367162,192	9785756,341	-8,541
A - 4597	367168,779	9785756,478	-8,271
A - 4598	367175,585	9785756,619	-8,011

A - 4599	367182,654	9785756,766	-7,741
A - 4600	367189,795	9785756,914	-7,251
A - 4601	367197,108	9785757,066	-6,811
A - 4602	367204,597	9785757,221	-6,141
A - 4603	367212,161	9785757,378	-5,681
A - 4604	367219,793	9785757,537	-5,181
A - 4605	367227,349	9785757,693	-4,741
A - 4606	367234,617	9785757,844	-4,301
A - 4607	367241,646	9785757,990	-3,831
A - 4608	367248,558	9785758,133	-3,341
A - 4609	367255,626	9785758,280	-2,841
A - 4610	367262,992	9785758,433	-2,351
A - 4611	367270,515	9785758,589	-1,731
A - 4612	367278,152	9785758,747	-1,411
A - 4613	367285,694	9785758,904	-1,231
A - 4614	367293,155	9785759,059	-1,121
A - 4615	367300,445	9785759,210	-1,121
A - 4616	367307,633	9785759,359	-1,171
A - 4617	367314,698	9785759,506	-1,201
A - 4618	367321,814	9785759,653	-1,211
A - 4619	367328,696	9785759,796	-1,211
A - 4620	367335,548	9785759,938	-1,221
A - 4621	367342,459	9785760,082	-1,321
A - 4622	367349,418	9785760,226	-1,321
A - 4623	367356,628	9785760,376	-1,351
A - 4624	367363,973	9785760,528	-1,381
A - 4625	367371,111	9785760,676	-1,411
A - 4626	367377,890	9785760,817	-1,501
A - 4627	367384,543	9785760,955	-1,591
A - 4628	367391,094	9785761,091	-1,671
A - 4629	367398,189	9785761,238	-1,841
A - 4630	367405,563	9785761,391	-1,951
A - 4631	367412,963	9785761,544	-2,051
A - 4632	367420,163	9785761,694	-2,221
A - 4633	367427,107	9785761,838	-2,511
A - 4634	367433,912	9785761,979	-2,711
A - 4635	367440,693	9785762,120	-2,951
A - 4636	367447,541	9785762,262	-3,171
A - 4637	367454,400	9785762,404	-3,321
A - 4638	367461,259	9785762,546	-3,481
A - 4639	367468,127	9785762,689	-3,551
A - 4640	367475,006	9785762,832	-3,681
A - 4641	367482,039	9785762,978	-3,671
A - 4642	367489,104	9785763,124	-3,891
A - 4643	367496,429	9785763,276	-3,951
A - 4645	367511,194	9785763,583	-4,281
A - 4646	367518,608	9785763,736	-4,331
A - 4647	367526,057	9785763,891	-4,531
A - 4648	367533,593	9785764,047	-4,481
A - 4649	367541,080	9785764,203	-4,391
A - 4650	367548,554	9785764,358	-4,621
A - 4651	367555,863	9785764,509	-4,991
A - 4652	367563,149	9785764,660	-5,221
A - 4653	367570,353	9785764,810	-5,381
A - 4654	367577,448	9785764,957	-5,681
A - 4655	367584,520	9785765,104	-5,901
A - 4656	367591,596	9785765,251	-6,211
A - 4657	367598,706	9785765,398	-6,551
A - 4658	367605,775	9785765,545	-6,721
A - 4659	367612,897	9785765,693	-6,901
A - 4660	367619,988	9785765,840	-7,101
A - 4661	367627,047	9785765,986	-7,251
A - 4662	367634,145	9785766,133	-7,341
A - 4663	367641,287	9785766,282	-7,391
A - 4664	367648,402	9785766,429	-7,421
A - 4665	367655,455	9785766,576	-7,541
A - 4666	367662,537	9785766,723	-7,571
A - 4667	367669,635	9785766,870	-7,621
A - 4668	367676,703	9785767,016	-7,771
A - 4669	367683,799	9785767,164	-7,741
A - 4670	367690,938	9785767,312	-7,691
A - 4671	367698,057	9785767,460	-7,771
A - 4672	367705,134	9785767,606	-7,781
A - 4673	367712,236	9785767,754	-7,841
A - 4675	367726,215	9785768,044	-7,851
A - 4676	367733,251	9785768,190	-7,711
A - 4677	367740,201	9785768,334	-7,771
A - 4678	367747,136	9785768,478	-7,721
A - 4679	367754,123	9785768,623	-7,681
A - 4680	367761,168	9785768,769	-7,701
A - 4681	367768,198	9785768,915	-7,661
A - 4682	367775,251	9785769,061	-7,701
A - 4683	367782,295	9785769,207	-7,651
A - 4684	367789,311	9785769,353	-7,571

A - 4685	367796,351	9785769,499	-7,591
A - 4686	367803,324	9785769,644	-7,321
A - 4687	367810,291	9785769,788	-7,281
A - 4688	367817,310	9785769,934	-7,231
A - 4689	367824,079	9785770,074	-7,161
A - 4690	367831,177	9785770,222	-7,211
A - 4691	367838,033	9785770,364	-7,051
A - 4692	367844,953	9785770,507	-7,011
A - 4693	367851,941	9785770,652	-6,841
A - 4694	367858,781	9785770,794	-6,731
A - 4695	367865,652	9785770,937	-6,621
A - 4696	367872,509	9785771,079	-6,711
A - 4697	367879,484	9785771,224	-6,631
A - 4698	367886,416	9785771,368	-6,631
A - 4699	367893,353	9785771,512	-6,581
A - 4700	367900,142	9785771,652	-6,641
A - 4701	367906,981	9785771,794	-6,611
A - 4702	367913,882	9785771,937	-6,571
A - 4703	367920,677	9785772,078	-6,541
A - 4704	367927,308	9785772,216	-6,571
A - 4705	367933,761	9785772,350	-6,501
A - 4706	367940,214	9785772,484	-6,561
A - 4707	367946,885	9785772,622	-6,521
A - 4708	367953,557	9785772,761	-6,531
A - 4709	367960,229	9785772,899	-6,451
A - 4710	367966,612	9785773,032	-6,361
A - 4711	367973,054	9785773,165	-6,351
A - 4712	367979,857	9785773,306	-6,211
A - 4713	367986,921	9785773,453	-5,991
A - 4714	367993,998	9785773,600	-5,881
A - 4715	368001,221	9785773,750	-5,721
A - 4716	368008,527	9785773,901	-5,871
A - 4717	368015,777	9785774,052	-5,841
A - 4718	368023,047	9785774,202	-5,941
A - 4719	368030,296	9785774,353	-6,121
A - 4720	368037,545	9785774,503	-6,311
A - 4721	368044,784	9785774,653	-6,351
A - 4722	368052,050	9785774,804	-6,501
A - 4723	368059,284	9785774,954	-6,561
A - 4724	368066,558	9785775,105	-6,811
A - 4725	368073,911	9785775,258	-6,861
A - 4726	368081,224	9785775,409	-6,871
A - 4727	368088,539	9785775,561	-6,901
A - 4728	368095,883	9785775,714	-6,831
A - 4729	368103,188	9785775,865	-7,031
A - 4730	368110,567	9785776,018	-7,151
A - 4731	368117,833	9785776,169	-7,461
A - 4732	368125,051	9785776,319	-7,381
A - 4733	368132,108	9785776,465	-7,471
A - 4734	368139,170	9785776,612	-7,511
A - 4735	368146,207	9785776,758	-7,601
A - 4736	368153,110	9785776,901	-7,771
A - 4737	368160,170	9785777,047	-7,791
A - 4738	368167,208	9785777,193	-7,731
A - 4739	368174,213	9785777,339	-7,751
A - 4740	368181,114	9785777,482	-7,751
A - 4741	368187,892	9785777,623	-7,761
A - 4742	368194,691	9785777,764	-7,691
A - 4743	368201,511	9785777,905	-7,601
A - 4744	368208,258	9785778,045	-7,691
A - 4745	368215,015	9785778,185	-7,601
A - 4746	368221,885	9785778,328	-7,531
A - 4747	368228,717	9785778,470	-7,391
A - 4748	368235,706	9785778,615	-7,351
A - 4749	368242,813	9785778,762	-7,291
A - 4750	368250,036	9785778,912	-7,211
A - 4751	368257,394	9785779,065	-7,071
A - 4752	368264,776	9785779,218	-6,931
A - 4753	368272,168	9785779,371	-6,871
A - 4754	368279,499	9785779,523	-6,781
A - 4755	368286,898	9785779,677	-6,691
A - 4756	368294,323	9785779,831	-6,851
A - 4757	368301,800	9785779,986	-7,081
A - 4758	368309,384	9785780,143	-7,421
A - 4759	368316,884	9785780,299	-7,541
A - 4760	368324,460	9785780,456	-7,631
A - 4761	368331,980	9785780,612	-7,851
A - 4762	368339,494	9785780,768	-7,991
A - 4763	368346,930	9785780,922	-8,131
A - 4764	368354,407	9785781,077	-8,221
A - 4765	368361,922	9785781,233	-8,331
A - 4766	368369,408	9785781,389	-8,571
A - 4767	368376,962	9785781,545	-8,831
A - 4768	368384,460	9785781,701	-9,131

A - 4769	368391,922	9785781,856	-9,131
A - 4770	368399,472	9785782,012	-9,081
A - 4771	368407,017	9785782,169	-9,151
A - 4772	368414,556	9785782,325	-9,041
A - 4773	368422,190	9785782,484	-9,051
A - 4774	368430,044	9785782,647	-9,011
A - 4775	368437,846	9785782,809	-8,811
A - 4776	368445,593	9785782,969	-8,671
A - 4777	368453,243	9785783,128	-8,441
A - 4778	368460,766	9785783,284	-8,221
A - 4780	368475,839	9785783,597	-7,841
A - 4781	368483,324	9785783,752	-7,531
A - 4782	368490,876	9785783,909	-7,121
A - 4783	368498,567	9785784,068	-6,551
A - 4784	368506,336	9785784,230	-5,611
A - 4785	368514,020	9785784,389	-4,661
A - 4786	368521,585	9785784,546	-3,651
A - 4787	368528,969	9785784,699	-2,731
A - 4788	368536,300	9785784,851	-1,961
A - 4789	368543,496	9785785,001	-1,331
A - 4790	368550,660	9785785,149	-0,901
A - 4791	368557,872	9785785,299	-0,551
A - 4792	368565,083	9785785,449	-0,241
A - 4793	368572,283	9785785,598	0,019
A - 4794	368579,408	9785785,746	0,159
A - 4795	368586,533	9785785,894	0,289
A - 4796	368593,661	9785786,041	0,419
A - 4797	368600,814	9785786,190	0,419
A - 4798	368607,932	9785786,338	0,499
A - 4799	368615,047	9785786,485	0,559
A - 4800	368622,131	9785786,632	0,589
A - 4801	368629,117	9785786,777	0,639
A - 4802	368636,130	9785786,923	0,709
A - 4803	368643,037	9785787,066	0,769
A - 4806	368648,591	9785787,181	0,729
A - 4804	368649,729	9785787,205	0,819
A - 4805	368651,529	9785787,242	0,779
A - P23D5 - S	368667,597	9785787,575	2,299
A - P23D4 - I	368674,470	9785787,718	3,089
A - P23D3	368680,196	9785787,837	5,806
A - S23D	368683,544	9785787,906	6,070
A - P23D2	368691,014	9785788,061	6,027
A - P23D1	368698,601	9785788,219	6,231
A - S23DA	368702,833	9785788,307	6,363

PONTO	E	N	COTA
A - Final	360615,337	9798014,328	0,821
A -	360635,332	9798014,749	1,001
A -	360655,328	9798015,169	1,351
A -	360675,324	9798015,590	1,561
A -	360695,319	9798016,011	1,801
A -	360715,315	9798016,432	1,701
A -	360735,310	9798016,853	1,751
A -	360755,306	9798017,274	1,691
A -	360775,301	9798017,694	1,591
A -	360795,297	9798018,115	1,531
A -	360815,293	9798018,536	1,671
A -	360835,288	9798018,957	1,651
A -	360855,284	9798019,378	1,551
A -	360875,279	9798019,799	1,571
A -	360895,275	9798020,219	1,601
A -	360915,270	9798020,640	1,621
A - S24E	360935,266	9798021,061	2,101
A - 1961	360971,315	9798021,820	1,311
A - 1962	360974,687	9798021,891	1,301
A - 1963	360979,858	9798021,999	1,331
A - 1964	360983,948	9798022,086	1,311
A - 1965	360993,726	9798022,291	1,331
A - 1966	360998,690	9798022,396	1,361
A - 1967	361003,625	9798022,500	1,341
A - 1968	361008,648	9798022,605	1,351
A - 1969	361013,748	9798022,713	1,331
A - 1970	361018,822	9798022,820	1,331
A - 1971	361023,956	9798022,928	1,371
A - 1972	361029,079	9798023,035	1,361
A - 1973	361034,248	9798023,144	1,351
A - 1979	361038,841	9798023,241	1,351
A - 1980	361043,939	9798023,348	1,361
A - 1981	361049,080	9798023,456	1,331
A - 1974	361055,283	9798023,587	1,311
A - 1982	361059,468	9798023,675	1,331
A - 1983	361064,649	9798023,784	1,371
A - 1984	361069,876	9798023,894	1,341
A - 1985	361075,088	9798024,004	1,351
A - 1986	361080,282	9798024,113	1,351
A - 1987	361085,492	9798024,223	1,311
A - 1988	361090,720	9798024,333	1,341
A - 1989	361096,015	9798024,444	1,351
A - 1990	361101,310	9798024,556	1,321
A - 1991	361106,602	9798024,667	1,321
A - 1992	361111,872	9798024,778	1,341
A - 1993	361117,060	9798024,887	1,331
A - 1994	361122,261	9798024,996	1,311
A - 1995	361127,415	9798025,105	1,311
A - 1996	361132,652	9798025,215	1,271
A - 1997	361138,191	9798025,332	1,221
A - 1998	361144,213	9798025,458	1,231
A - 1999	361150,627	9798025,593	1,231
A - 2000	361157,273	9798025,733	1,181
A - 2001	361164,152	9798025,878	1,201
A - 2002	361171,204	9798026,027	1,171
A - 2003	361178,388	9798026,178	1,171
A - 2004	361185,645	9798026,330	1,151
A - 2005	361192,899	9798026,483	1,101
A - 2006	361199,987	9798026,632	1,101
A - 2007	361206,596	9798026,771	1,111
A - 2008	361212,833	9798026,903	1,091
A - 2009	361218,780	9798027,028	1,071
A - 2010	361224,607	9798027,150	1,061
A - 2011	361230,264	9798027,270	1,071
A - 2012	361235,789	9798027,386	1,031
A - 2013	361241,213	9798027,500	1,061
A - 2014	361246,072	9798027,602	1,061
A - 2015	361250,651	9798027,699	1,061
A - 2016	361255,340	9798027,797	1,051
A - 2017	361260,169	9798027,899	1,051
A - 2018	361265,069	9798028,002	1,041
A - 2019	361270,076	9798028,107	1,031
A - 2020	361275,023	9798028,211	1,011
A - 2021	361279,936	9798028,315	0,991
A - 2022	361284,907	9798028,420	1,001
A - 2023	361289,877	9798028,524	1,011
A - 2024	361294,990	9798028,632	0,981
A - 2025	361300,564	9798028,749	0,941
A - 2026	361306,569	9798028,875	0,971
A - 2027	361312,916	9798029,009	0,971
A - 2028	361319,466	9798029,147	0,951
A - 2029	361326,179	9798029,288	0,981
A - 2030	361332,964	9798029,431	0,991

PONTO	E	N	COTA
A - 2031	361339,871	9798029,576	0,951
A - 2032	361346,829	9798029,723	0,981
A - 2033	361353,869	9798029,871	0,981
A - 2034	361360,960	9798030,020	0,991
A - 2035	361368,072	9798030,170	0,991
A - 2036	361375,283	9798030,322	0,971
A - 2037	361382,460	9798030,473	0,991
A - 2038	361392,362	9798030,681	1,011
A - 2039	361411,072	9798031,075	1,021
A - 2040	361418,512	9798031,231	1,041
A - 2041	361425,781	9798031,384	1,041
A - 2042	361433,075	9798031,538	1,021
A - 2043	361440,413	9798031,692	1,011
A - 2044	361447,743	9798031,847	0,981
A - 2045	361455,095	9798032,001	0,991
A - 2046	361462,457	9798032,156	0,981
A - 2047	361469,838	9798032,312	0,971
A - 2048	361477,279	9798032,468	0,951
A - 2049	361484,702	9798032,624	0,961
A - 2050	361492,176	9798032,782	0,941
A - 2051	361499,621	9798032,938	0,911
A - 2052	361507,069	9798033,095	0,831
A - 2053	361514,527	9798033,252	0,731
A - 2054	361521,996	9798033,409	0,451
A - 2055	361529,494	9798033,567	-0,299
A - 2056	361537,011	9798033,725	-1,139
A - 2057	361544,614	9798033,885	-1,939
A - 2058	361552,170	9798034,044	-2,589
A - 2059	361559,761	9798034,204	-3,059
A - 2060	361567,380	9798034,364	-3,389
A - 2061	361575,030	9798034,525	-3,789
A - 2062	361582,732	9798034,688	-3,959
A - 2063	361590,450	9798034,850	-4,119
A - 2064	361598,213	9798035,013	-4,269
A - 2065	361605,951	9798035,176	-4,519
A - 2066	361613,691	9798035,339	-4,589
A - 2067	361621,401	9798035,501	-4,729
A - 2068	361629,101	9798035,663	-4,919
A - 2069	361636,799	9798035,825	-5,119
A - 2070	361644,289	9798035,983	-5,519
A - 2071	361651,585	9798036,137	-5,719
A - 2072	361658,823	9798036,289	-5,889
A - 2073	361666,189	9798036,444	-6,099
A - 2074	361673,647	9798036,601	-6,289
A - 2075	361681,160	9798036,759	-6,539
A - 2076	361688,683	9798036,917	-6,759
A - 2077	361696,147	9798037,074	-6,959
A - 2078	361703,709	9798037,234	-7,219
A - 2079	361711,282	9798037,393	-7,379
A - 2080	361718,906	9798037,553	-7,529
A - 2081	361726,552	9798037,714	-7,579
A - 2082	361734,231	9798037,876	-7,859
A - 2083	361741,932	9798038,038	-7,869
A - 2084	361749,615	9798038,200	-7,989
A - 2085	361757,301	9798038,361	-8,179
A - 2086	361764,927	9798038,522	-8,249
A - 2087	361772,554	9798038,683	-8,299
A - 2088	361780,172	9798038,843	-8,479
A - 2089	361787,812	9798039,004	-8,649
A - 2090	361795,472	9798039,165	-8,719
A - 2091	361803,103	9798039,325	-8,799
A - 2092	361810,649	9798039,484	-8,859
A - 2093	361818,105	9798039,641	-8,969
A - 2094	361825,626	9798039,799	-9,199
A - 2095	361833,167	9798039,958	-9,309
A - 2096	361840,731	9798040,117	-9,359
A - 2097	361848,327	9798040,277	-9,509
A - 2098	361855,887	9798040,436	-9,649
A - 2099	361863,507	9798040,597	-9,779
A - 2100	361871,128	9798040,757	-9,889
A - 2101	361878,749	9798040,917	-9,999
A - 2102	361886,390	9798041,078	-10,039
A - 2103	361894,022	9798041,239	-10,129
A - 2104	361901,673	9798041,400	-10,459
A - 2105	361909,324	9798041,561	-10,479
A - 2106	361917,016	9798041,723	-10,559
A - 2107	361924,657	9798041,884	-10,739
A - 2108	361932,308	9798042,045	-10,819
A - 2109	361939,960	9798042,206	-10,889
A - 2110	361947,602	9798042,367	-11,029
A - 2111	361955,266	9798042,528	-11,239
A - 2112	361962,921	9798042,689	-11,419
A - 2113	361970,596	9798042,850	-11,449

PONTO	E	N	COTA
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A - 2115	361985,799	9798043,170	-11,589
A - 2116	361993,398	9798043,330	-11,919
A - 2117	362001,047	9798043,491	-12,019
A - 2118	362008,717	9798043,653	-12,109
A - 2119	362016,389	9798043,814	-12,259
A - 2120	362024,091	9798043,976	-12,279
A - 2121	362031,753	9798044,138	-12,419
A - 2122	362039,426	9798044,299	-12,679
A - 2123	362047,099	9798044,461	-12,849
A - 2124	362054,781	9798044,622	-13,189
A - 2125	362062,473	9798044,784	-13,269
A - 2126	362070,127	9798044,945	-13,349
A - 2127	362077,770	9798045,106	-13,359
A - 2128	362085,333	9798045,265	-13,439
A - 2129	362092,884	9798045,424	-13,689
A - 2130	362100,412	9798045,583	-13,719
A - 2131	362107,917	9798045,741	-13,779
A - 2132	362115,398	9798045,898	-14,019
A - 2133	362122,845	9798046,055	-14,109
A - 2134	362130,312	9798046,212	-14,349
A - 2135	362137,781	9798046,369	-14,579
A - 2136	362145,227	9798046,526	-14,779
A - 2137	362152,566	9798046,680	-14,859
A - 2138	362160,142	9798046,840	-14,919
A - 2139	362167,722	9798046,999	-14,939
A - 2140	362175,283	9798047,158	-15,239
A - 2141	362182,905	9798047,319	-15,379
A - 2142	362190,498	9798047,479	-15,389
A - 2143	362198,112	9798047,639	-15,599
A - 2144	362205,715	9798047,799	-15,529
A - 2145	362213,279	9798047,958	-15,929
A - 2146	362220,812	9798048,117	-15,939
A - 2147	362228,335	9798048,275	-16,119
A - 2148	362235,897	9798048,434	-16,159
A - 2149	362243,420	9798048,592	-16,169
A - 2150	362250,944	9798048,751	-16,309
A - 2151	362258,447	9798048,909	-16,289
A - 2152	362265,941	9798049,066	-16,519
A - 2153	362273,443	9798049,224	-16,709
A - 2154	362280,915	9798049,381	-16,999
A - 2155	362288,426	9798049,540	-17,069
A - 2156	362295,926	9798049,697	-17,149
A - 2157	362303,426	9798049,855	-17,149
A - 2158	362310,913	9798050,013	-17,159
A - 2159	362318,419	9798050,171	-17,029
A - 2160	362325,921	9798050,329	-16,989
A - 2161	362333,403	9798050,486	-17,019
A - 2162	362340,926	9798050,644	-16,969
A - 2163	362348,419	9798050,802	-16,989
A - 2164	362355,913	9798050,960	-16,989
A - 2165	362363,429	9798051,118	-17,119
A - 2166	362370,946	9798051,276	-17,029
A - 2167	362378,524	9798051,436	-16,869
A - 2168	362386,095	9798051,595	-16,799
A - 2169	362393,710	9798051,755	-16,679
A - 2170	362401,265	9798051,914	-16,669
A - 2171	362408,804	9798052,073	-16,489
A - 2172	362416,365	9798052,232	-16,459
A - 2173	362423,929	9798052,391	-16,569
A - 2174	362431,515	9798052,551	-16,519
A - 2175	362439,093	9798052,710	-16,749
A - 2176	362446,613	9798052,869	-16,919
A - 2177	362454,102	9798053,026	-16,939
A - 2178	362461,555	9798053,183	-16,999
A - 2179	362469,019	9798053,340	-17,209
A - 2180	362476,465	9798053,497	-17,329
A - 2181	362483,915	9798053,654	-17,569
A - 2182	362491,400	9798053,811	-17,889
A - 2183	362498,924	9798053,970	-17,909
A - 2184	362506,419	9798054,127	-18,059
A - 2185	362513,937	9798054,286	-18,139
A - 2186	362521,436	9798054,443	-18,309
A - 2187	362528,918	9798054,601	-18,389
A - 2188	362536,390	9798054,758	-18,619
A - 2189	362543,887	9798054,916	-18,409
A - 2190	362551,436	9798055,075	-18,439
A - 2191	362558,946	9798055,233	-18,519
A - 2192	362566,415	9798055,390	-18,559
A - 2193	362573,904	9798055,548	-18,579
A - 2194	362581,383	9798055,705	-18,569
A - 2195	362588,895	9798055,863	-18,619
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A - 2199	362618,735	9798056,491	-18,599
A - 2200	362626,195	9798056,648	-18,779
A - 2201	362633,676	9798056,806	-18,659
A - 2202	362641,156	9798056,963	-18,649
A - 2203	362648,540	9798057,118	-18,519
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A - 2205	362663,322	9798057,430	-18,549
A - 2206	362670,732	9798057,586	-18,399
A - 2207	362678,142	9798057,741	-18,439
A - 2208	362685,565	9798057,898	-18,339
A - 2209	362692,998	9798058,054	-18,229
A - 2210	362700,410	9798058,210	-18,099
A - 2211	362707,823	9798058,366	-17,939
A - 2212	362715,205	9798058,521	-17,979
A - 2213	362722,638	9798058,678	-18,129
A - 2214	362730,041	9798058,834	-18,069
A - 2215	362737,476	9798058,990	-18,159
A - 2216	362744,892	9798059,146	-18,249
A - 2217	362752,269	9798059,302	-18,419
A - 2218	362759,721	9798059,458	-18,499
A - 2219	362767,132	9798059,614	-18,649
A - 2220	362774,557	9798059,771	-18,679
A - 2221	362781,994	9798059,927	-18,719
A - 2222	362789,436	9798060,084	-18,699
A - 2223	362796,900	9798060,241	-18,729
A - 2224	362804,319	9798060,397	-18,729
A - 2225	362811,751	9798060,553	-18,809
A - 2226	362819,143	9798060,709	-18,499
A - 2227	362826,520	9798060,864	-18,409
A - 2228	362833,922	9798061,020	-18,549
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A - 2230	362848,720	9798061,331	-18,979
A - 2231	362856,107	9798061,487	-18,899
A - 2232	362863,511	9798061,643	-18,919
A - 2233	362870,882	9798061,798	-19,359
A - 2234	362878,312	9798061,954	-19,659
A - 2235	362885,717	9798062,110	-19,499
A - 2236	362893,124	9798062,266	-19,689
A - 2237	362900,522	9798062,422	-19,469
A - 2238	362907,913	9798062,577	-19,489
A - 2239	362915,357	9798062,734	-19,429
A - 2240	362922,814	9798062,891	-19,389
A - 2241	362930,239	9798063,047	-19,159
A - 2242	362937,641	9798063,203	-18,979
A - 2243	362945,041	9798063,359	-18,879
A - 2244	362952,431	9798063,514	-18,739
A - 2245	362959,833	9798063,670	-18,689
A - 2246	362967,286	9798063,827	-18,229
A - 2247	362974,725	9798063,983	-17,959
A - 2248	362982,177	9798064,140	-17,739
A - 2249	362989,654	9798064,298	-17,629
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A - 2252	363012,034	9798064,769	-17,159
A - 2253	363019,549	9798064,927	-17,179
A - 2254	363027,045	9798065,084	-17,249
A - 2255	363034,563	9798065,243	-17,459
A - 2256	363042,074	9798065,401	-17,609
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A - 2260	363071,981	9798066,030	-17,279
A - 2261	363079,400	9798066,186	-17,109
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A - 2263	363094,269	9798066,499	-16,949
A - 2264	363101,754	9798066,657	-17,009
A - 2265	363109,233	9798066,814	-16,809
A - 2266	363116,693	9798066,971	-16,799
A - 2267	363124,193	9798067,129	-16,729
A - 2268	363131,673	9798067,286	-16,529
A - 2269	363139,163	9798067,444	-16,419
A - 2270	363146,694	9798067,603	-16,249
A - 2271	363154,158	9798067,760	-16,069
A - 2272	363161,602	9798067,916	-16,079
A - 2273	363169,006	9798068,072	-15,859
A - 2274	363176,429	9798068,228	-16,119
A - 2275	363183,792	9798068,383	-15,989
A - 2276	363191,143	9798068,538	-15,979
A - 2277	363198,471	9798068,692	-15,959
A - 2278	363205,797	9798068,846	-16,099
A - 2279	363213,130	9798069,001	-16,139
A - 2280	363220,410	9798069,154	-16,309
A - 2281	363227,760	9798069,309	-16,469
A - 2282	363235,110	9798069,463	-16,769
A - 2283	363242,462	9798069,618	-16,999
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A - 2286	363264,508	9798070,082	-17,539
A - 2287	363271,838	9798070,236	-17,559
A - 2288	363279,178	9798070,391	-17,689
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A - 2291	363301,279	9798070,856	-17,419
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A - 2294	363323,487	9798071,323	-16,869
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A - 2296	363338,310	9798071,635	-16,369
A - 2297	363345,740	9798071,792	-16,009
A - 2298	363353,192	9798071,949	-15,529
A - 2299	363360,635	9798072,105	-14,969
A - 2300	363368,068	9798072,262	-14,389
A - 2301	363375,519	9798072,418	-13,759
A - 2302	363383,049	9798072,577	-13,159
A - 2303	363390,499	9798072,734	-12,709
A - 2304	363397,947	9798072,890	-12,489
A - 2305	363405,394	9798073,047	-12,419
A - 2306	363412,851	9798073,204	-12,409
A - 2307	363420,327	9798073,361	-12,309
A - 2308	363427,772	9798073,518	-12,319
A - 2309	363435,207	9798073,675	-12,389
A - 2310	363442,604	9798073,830	-12,629
A - 2311	363450,022	9798073,986	-12,669
A - 2312	363457,422	9798074,142	-12,679
A - 2313	363464,835	9798074,298	-12,659
A - 2314	363472,239	9798074,454	-12,439
A - 2315	363479,637	9798074,610	-12,509
A - 2316	363487,070	9798074,766	-12,269
A - 2317	363494,482	9798074,922	-12,269
A - 2318	363501,865	9798075,077	-12,239
A - 2319	363509,275	9798075,233	-12,349
A - 2320	363516,733	9798075,390	-12,439
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A - 2322	363531,612	9798075,704	-12,289
A - 2323	363539,082	9798075,861	-12,169
A - 2324	363546,549	9798076,018	-11,969
A - 2325	363554,033	9798076,175	-11,879
A - 2326	363561,468	9798076,332	-11,649
A - 2327	363568,894	9798076,488	-11,539
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A - 2332	363605,850	9798077,266	-11,259
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A - 2334	363620,653	9798077,577	-11,219
A - 2335	363628,047	9798077,733	-11,319
A - 2336	363635,423	9798077,888	-11,549
A - 2337	363642,840	9798078,044	-11,559
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A - 2343	363681,328	9798078,854	-11,449
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A - 2349	363722,686	9798079,725	-12,729
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A - 2352	363738,459	9798080,057	-13,409
A - 2353	363746,338	9798080,223	-13,099
A - 2354	363754,277	9798080,390	-13,259
A - 2355	363759,740	9798080,505	-13,089
A - 2356	363765,077	9798080,617	-13,049
A - 2357	363771,025	9798080,742	-13,069
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A - 2360	363787,096	9798081,080	-11,969
A - 2361	363791,439	9798081,172	-11,969
A - 2362	363795,839	9798081,264	-11,839
A - 2363	363800,264	9798081,358	-11,789
A - 2364	363804,707	9798081,451	-12,009
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A - 2367	363818,077	9798081,732	-11,799
A - 2368	363822,550	9798081,827	-11,979
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A - 2370	363831,497	9798082,015	-12,009
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A - 2372	363840,517	9798082,205	-12,109
A - 2373	363845,054	9798082,300	-12,169
A - 2374	363849,604	9798082,396	-12,189
A - 2375	363853,856	9798082,485	-12,249
A - 2376	363858,019	9798082,573	-12,739
A - 2377	363868,405	9798082,792	-12,939
A - 2378	363874,283	9798082,915	-13,219
A - 2379	363880,410	9798083,044	-13,259
A - 2380	363886,626	9798083,175	-13,349
A - 2381	363892,871	9798083,307	-14,059
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A - 2385	363917,790	9798083,831	-14,979
A - 2386	363923,990	9798083,962	-15,189
A - 2387	363930,238	9798084,093	-15,499
A - 2388	363936,513	9798084,225	-15,729
A - 2389	363942,828	9798084,358	-16,049
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A - 2391	363955,608	9798084,627	-15,939
A - 2392	363962,043	9798084,762	-15,589
A - 2393	363968,543	9798084,899	-15,529
A - 2394	363975,046	9798085,036	-14,889
A - 2395	363981,554	9798085,173	-14,329
A - 2396	363988,074	9798085,310	-14,099
A - 2397	363994,562	9798085,447	-14,529
A - 2398	364001,100	9798085,584	-14,579
A - 2399	364007,650	9798085,722	-14,689
A - 2400	364014,240	9798085,861	-14,909
A - 2401	364020,812	9798085,999	-15,179
A - 2402	364027,367	9798086,137	-15,249
A - 2403	364033,955	9798086,276	-15,529
A - 2404	364040,547	9798086,415	-15,719
A - 2405	364047,221	9798086,555	-16,049
A - 2406	364053,855	9798086,695	-16,149
A - 2407	364060,469	9798086,834	-16,299
A - 2408	364067,082	9798086,973	-16,029
A - 2409	364073,640	9798087,111	-15,869
A - 2410	364080,226	9798087,250	-16,339
A - 2411	364086,757	9798087,387	-16,339
A - 2412	364093,314	9798087,525	-16,139
A - 2413	364099,870	9798087,663	-15,879
A - 2414	364106,413	9798087,801	-15,699
A - 2415	364112,962	9798087,939	-15,409
A - 2416	364119,507	9798088,076	-15,359
A - 2417	364126,050	9798088,214	-15,319
A - 2418	364132,573	9798088,351	-15,109
A - 2419	364139,139	9798088,490	-15,089
A - 2420	364145,710	9798088,628	-14,999
A - 2421	364152,333	9798088,767	-14,769
A - 2422	364159,021	9798088,908	-14,609
A - 2423	364165,582	9798089,046	-14,109
A - 2424	364172,135	9798089,184	-13,929
A - 2425	364178,687	9798089,322	-13,859
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A - 2427	364191,831	9798089,598	-13,059
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A - 2433	364231,298	9798090,429	-12,019
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A - 2443	364296,925	9798091,810	-9,339
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A - 2446	364316,571	9798092,224	-8,299
A - 2447	364323,196	9798092,363	-7,879
A - 2448	364329,793	9798092,502	-7,549

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A - 2777	366563,292	9798139,508	0,751
A - 2778	366570,688	9798139,664	0,921
A - P24D5	366579,345	9798139,846	1,966
A - P24D4	366586,733	9798140,001	2,951
A - S24D	366591,989	9798140,112	3,346
A - P24D1	366608,116	9798140,451	4,164
A - P24D2	366622,912	9798140,763	5,023
A - P24D3	366631,959	9798140,953	7,712

PONTO	E	N	COTA
A - Final	357735,979	9805237,081	3,248
A -	357753,311	9805247,062	3,258
A -	357770,643	9805257,042	3,298
A -	357787,975	9805267,022	3,198
A -	357805,307	9805277,002	3,288
A -	357822,639	9805286,982	3,138
A -	357839,971	9805296,963	3,218
A -	357857,303	9805306,943	3,348
A -	357874,635	9805316,923	3,278
A -	357891,967	9805326,903	3,418
A -	357909,298	9805336,883	3,538
A -	357926,630	9805346,864	3,538
A -	357943,962	9805356,844	3,518
A -	357961,294	9805366,824	3,158
A -	357978,626	9805376,804	3,268
A -	357995,958	9805386,784	3,168
A -	358013,290	9805396,765	3,068
A -	358030,622	9805406,745	3,068
A -	358047,954	9805416,725	2,958
A -	358065,286	9805426,705	3,018
A -	358082,618	9805436,685	3,228
A -	358099,950	9805446,666	3,148
A -	358117,282	9805456,646	3,108
A -	358134,614	9805466,626	3,528
A -	358151,945	9805476,606	3,248
A -	358169,277	9805486,586	3,468
A -	358186,609	9805496,567	3,368
A -	358203,941	9805506,547	3,348
A -	358221,273	9805516,527	3,298
A -	358238,605	9805526,507	3,328
A -	358255,937	9805536,487	3,258
A -	358273,269	9805546,467	3,168
A -	358290,601	9805556,448	3,138
A -	358307,933	9805566,428	3,418
A -	358325,265	9805576,408	3,028
A -	358342,597	9805586,388	3,008
A -	358359,929	9805596,368	2,998
A -	358377,261	9805606,349	2,958
A -	358394,592	9805616,329	3,018
A -	358411,924	9805626,309	2,938
A -	358429,256	9805636,289	2,958
A -	358446,588	9805646,269	2,918
A -	358463,920	9805656,250	2,888
A -	358481,252	9805666,230	2,918
A - S25E - 24	358498,584	9805676,210	2,418
A - 518	358501,294	9805677,771	1,278
A - 519	358503,782	9805679,203	1,248
A - 520	358506,719	9805680,895	1,238
A - 521	358509,103	9805682,267	1,198
A - 522	358511,581	9805683,694	1,198
A - 523	358515,282	9805685,825	1,228
A - 524	358517,769	9805687,257	1,228
A - 525	358520,507	9805688,834	1,228
A - 526	358523,237	9805690,406	1,178
A - 527	358526,479	9805692,272	1,148
A - 528	358528,342	9805693,345	1,118
A - 529	358530,196	9805694,413	1,128
A - 530	358532,094	9805695,506	1,128
A - 531	358534,088	9805696,654	1,098
A - 532	358535,899	9805697,697	1,108
A - 533	358537,736	9805698,755	1,088
A - 534	358539,539	9805699,793	1,088
A - 535	358541,454	9805700,896	1,088
A - 536	358543,577	9805702,118	1,048
A - 537	358545,596	9805703,281	1,048
A - 538	358547,668	9805704,474	1,048
A - 539	358549,704	9805705,646	1,038
A - 540	358551,672	9805706,779	0,988
A - 541	358553,665	9805707,927	1,028
A - 542	358555,667	9805709,080	1,028
A - 543	358557,669	9805710,233	1,008
A - 544	358559,671	9805711,385	1,008
A - 545	358561,699	9805712,553	0,948
A - 546	358563,762	9805713,741	0,908
A - 547	358565,851	9805714,944	0,948
A - 548	358567,965	9805716,162	0,948
A - 549	358570,149	9805717,419	0,938
A - 550	358572,359	9805718,692	0,918
A - 551	358574,656	9805720,014	0,908
A - 552	358576,952	9805721,336	0,908
A - 553	358579,179	9805722,619	0,888
A - 554	358581,337	9805723,861	0,878
A - 555	358583,400	9805725,049	0,868

PONTO	E	N	COTA
A - 556	358585,471	9805726,242	0,838
A - 557	358587,525	9805727,425	0,788
A - 558	358589,544	9805728,587	0,778
A - 559	358591,607	9805729,775	0,738
A - 560	358593,566	9805730,903	0,698
A - 561	358595,456	9805731,991	0,648
A - 562	358597,388	9805733,104	0,638
A - 563	358599,235	9805734,168	0,568
A - 564	358601,098	9805735,241	0,538
A - 565	358602,996	9805736,333	0,528
A - 566	358604,921	9805737,442	0,448
A - 567	358606,916	9805738,590	0,378
A - 568	358608,874	9805739,718	0,378
A - 569	358610,859	9805740,861	0,328
A - 570	358613,010	9805742,099	0,238
A - 571	358615,341	9805743,442	0,178
A - 572	358617,787	9805744,850	-0,172
A - 573	358620,167	9805746,221	-0,372
A - 574	358622,538	9805747,586	-0,552
A - 575	358624,802	9805748,890	-0,662
A - 576	358626,907	9805750,102	-0,962
A - 577	358628,907	9805751,254	-1,322
A - 578	358630,898	9805752,400	-1,912
A - 579	358632,911	9805753,559	-2,562
A - 580	358634,845	9805754,673	-3,422
A - 581	358636,543	9805755,650	-3,972
A - 582	358638,454	9805756,751	-4,922
A - 583	358640,225	9805757,771	-5,292
A - 584	358642,100	9805758,850	-5,772
A - 585	358644,187	9805760,052	-6,142
A - 586	358646,303	9805761,271	-6,382
A - 587	358648,586	9805762,585	-6,912
A - 588	358650,809	9805763,865	-7,072
A - 589	358653,134	9805765,204	-7,342
A - 590	358655,401	9805766,509	-7,622
A - 591	358657,457	9805767,693	-8,072
A - 592	358659,373	9805768,797	-8,142
A - 593	358661,248	9805769,877	-8,272
A - 594	358663,122	9805770,956	-8,372
A - 595	358665,007	9805772,041	-8,512
A - 596	358667,027	9805773,204	-8,582
A - 597	358669,112	9805774,405	-8,762
A - 598	358671,203	9805775,609	-8,882
A - 599	358673,320	9805776,828	-8,992
A - 600	358675,465	9805778,063	-9,152
A - 601	358677,532	9805779,253	-9,312
A - 602	358679,580	9805780,432	-9,432
A - 603	358681,573	9805781,580	-9,452
A - 604	358683,551	9805782,719	-9,342
A - 605	358685,599	9805783,898	-9,582
A - 606	358687,791	9805785,161	-9,652
A - 607	358689,967	9805786,413	-9,712
A - 608	358692,198	9805787,698	-9,862
A - 609	358694,529	9805789,040	-9,842
A - 610	358696,803	9805790,350	-9,982
A - 611	358698,957	9805791,590	-10,162
A - 612	358700,940	9805792,732	-10,352
A - 613	358702,692	9805793,741	-10,262
A - 614	358704,270	9805794,649	-10,242
A - 615	358705,821	9805795,543	-10,272
A - 616	358707,236	9805796,357	-10,472
A - 617	358708,588	9805797,136	-10,492
A - 618	358709,906	9805797,895	-10,442
A - 619	358711,431	9805798,773	-10,412
A - 620	358713,424	9805799,921	-10,432
A - 621	358715,565	9805801,154	-10,372
A - 622	358717,880	9805802,486	-10,332
A - 623	358720,297	9805803,879	-10,362
A - 624	358722,767	9805805,301	-10,402
A - 625	358725,169	9805806,684	-10,472
A - 626	358727,561	9805808,061	-10,472
A - 627	358729,960	9805809,442	-10,792
A - 628	358732,399	9805810,847	-10,622
A - 629	358734,523	9805812,070	-10,682
A - 630	358736,340	9805813,116	-10,842
A - 631	358737,960	9805814,049	-10,652
A - 632	358739,425	9805814,893	-10,602
A - 633	358741,119	9805815,868	-10,732
A - 634	358742,691	9805816,773	-10,852
A - 635	358744,218	9805817,653	-10,942
A - 636	358745,784	9805818,554	-10,782
A - 637	358747,497	9805819,541	-10,942
A - 638	358749,295	9805820,576	-11,092

PONTO	E	N	COTA
A - 639	358751,158	9805821,649	-11,092
A - 640	358753,100	9805822,767	-11,052
A - 641	358755,267	9805824,015	-11,002
A - 642	358757,460	9805825,278	-10,922
A - 643	358759,672	9805826,551	-11,012
A - 644	358761,886	9805827,826	-11,172
A - 645	358764,009	9805829,049	-11,202
A - 646	358766,119	9805830,264	-11,052
A - 647	358768,271	9805831,503	-11,172
A - 648	358770,394	9805832,726	-11,232
A - 649	358772,476	9805833,924	-11,322
A - 650	358774,526	9805835,105	-11,492
A - 651	358776,545	9805836,268	-11,472
A - 652	358778,550	9805837,422	-11,362
A - 653	358780,553	9805838,576	-11,462
A - 654	358782,564	9805839,733	-11,452
A - 655	358784,595	9805840,903	-11,592
A - 656	358786,693	9805842,111	-11,522
A - 657	358788,829	9805843,341	-11,672
A - 658	358790,979	9805844,579	-11,712
A - 659	358793,085	9805845,792	-11,782
A - 660	358795,165	9805846,989	-11,772
A - 661	358797,203	9805848,163	-11,872
A - 662	358799,206	9805849,316	-11,932
A - 663	358801,182	9805850,454	-11,962
A - 664	358803,100	9805851,558	-12,202
A - 665	358805,041	9805852,676	-12,192
A - 666	358806,940	9805853,770	-12,262
A - 667	358808,833	9805854,860	-12,122
A - 668	358810,855	9805856,024	-12,242
A - 669	358812,860	9805857,179	-12,382
A - 670	358814,864	9805858,332	-12,292
A - 671	358816,910	9805859,511	-12,362
A - 672	358818,913	9805860,664	-12,452
A - 673	358820,980	9805861,854	-12,722
A - 674	358823,060	9805863,052	-12,672
A - 675	358825,062	9805864,205	-12,672
A - 676	358827,087	9805865,371	-12,502
A - 677	358829,072	9805866,514	-12,582
A - 678	358831,049	9805867,652	-12,522
A - 679	358832,947	9805868,745	-12,502
A - 680	358834,868	9805869,852	-12,682
A - 681	358836,784	9805870,955	-12,702
A - 682	358838,622	9805872,013	-12,762
A - 683	358840,628	9805873,168	-12,922
A - 684	358842,605	9805874,306	-12,862
A - 685	358844,677	9805875,499	-12,802
A - 686	358846,728	9805876,681	-12,992
A - 687	358848,869	9805877,914	-12,992
A - 688	358851,062	9805879,176	-12,942
A - 689	358853,228	9805880,424	-13,162
A - 690	358855,291	9805881,611	-13,122
A - 691	358857,302	9805882,770	-13,192
A - 692	358859,359	9805883,954	-13,312
A - 693	358861,309	9805885,077	-13,382
A - 694	358863,310	9805886,229	-13,582
A - 695	358865,296	9805887,373	-13,502
A - 696	358867,246	9805888,496	-13,722
A - 697	358869,206	9805889,624	-13,782
A - 698	358871,212	9805890,779	-13,622
A - 699	358873,319	9805891,993	-13,702
A - 700	358875,452	9805893,221	-14,092
A - 701	358877,502	9805894,401	-13,932
A - 702	358879,433	9805895,513	-14,122
A - 703	358881,363	9805896,624	-13,942
A - 704	358883,219	9805897,693	-13,842
A - 705	358885,025	9805898,733	-13,962
A - 706	358886,939	9805899,835	-14,152
A - 707	358889,059	9805901,056	-13,962
A - 708	358891,195	9805902,286	-14,102
A - 709	358893,292	9805903,493	-14,322
A - 710	358895,406	9805904,711	-14,322
A - 711	358897,575	9805905,960	-14,212
A - 712	358899,706	9805907,187	-14,422
A - 713	358901,769	9805908,375	-14,462
A - 714	358903,771	9805909,528	-14,512
A - 715	358905,738	9805910,660	-14,512
A - 716	358907,718	9805911,801	-14,662
A - 717	358909,686	9805912,933	-14,652
A - 718	358911,567	9805914,017	-14,732
A - 719	358913,587	9805915,180	-14,752
A - 720	358915,704	9805916,399	-14,632
A - 721	358917,749	9805917,577	-14,852

A - 722	358919,820	9805918,769	-14,842
A - 723	358921,918	9805919,977	-14,792
A - 724	358924,217	9805921,301	-15,052
A - 725	358926,523	9805922,629	-15,132
A - 726	358928,776	9805923,926	-15,182
A - 727	358930,847	9805925,119	-15,172
A - 728	358932,857	9805926,276	-15,202
A - 729	358934,852	9805927,425	-15,272
A - 730	358936,796	9805928,545	-15,412
A - 731	358938,688	9805929,634	-15,182
A - 732	358940,501	9805930,678	-15,292
A - 733	358942,313	9805931,721	-15,332
A - 734	358944,181	9805932,797	-15,492
A - 735	358946,072	9805933,886	-15,592
A - 736	358948,057	9805935,029	-15,642
A - 737	358950,172	9805936,247	-15,672
A - 738	358952,416	9805937,539	-15,672
A - 739	358954,531	9805938,757	-15,682
A - 740	358956,568	9805939,929	-15,712
A - 741	358958,700	9805941,157	-15,782
A - 742	358960,815	9805942,375	-15,552
A - 743	358962,952	9805943,606	-15,722
A - 744	358965,080	9805944,831	-15,562
A - 745	358967,126	9805946,009	-15,622
A - 746	358969,246	9805947,230	-15,452
A - 747	358971,363	9805948,449	-15,332
A - 748	358973,414	9805949,630	-15,512
A - 749	358975,391	9805950,769	-15,612
A - 750	358977,343	9805951,892	-15,702
A - 751	358979,290	9805953,014	-15,882
A - 752	358981,249	9805954,141	-15,672
A - 753	358983,296	9805955,320	-15,782
A - 754	358985,307	9805956,478	-15,722
A - 755	358987,324	9805957,640	-15,542
A - 756	358989,337	9805958,799	-15,662
A - 757	358991,451	9805960,016	-15,452
A - 758	358993,637	9805961,275	-15,582
A - 759	358995,779	9805962,508	-15,512
A - 760	358997,885	9805963,721	-15,562
A - 761	358999,999	9805964,939	-15,572
A - 762	359002,091	9805966,143	-15,442
A - 763	359004,085	9805967,291	-15,382
A - 764	359006,073	9805968,436	-15,522
A - 765	359008,066	9805969,584	-15,552
A - 766	359010,051	9805970,726	-15,572
A - 767	359012,009	9805971,854	-15,572
A - 768	359013,960	9805972,978	-15,502
A - 769	359015,907	9805974,098	-15,772
A - 770	359017,935	9805975,266	-15,812
A - 771	359019,935	9805976,418	-15,622
A - 772	359021,969	9805977,589	-15,432
A - 773	359024,094	9805978,813	-15,522
A - 774	359026,323	9805980,096	-15,612
A - 775	359028,524	9805981,364	-15,622
A - 776	359030,742	9805982,641	-15,662
A - 777	359032,939	9805983,906	-15,812
A - 778	359034,950	9805985,064	-15,772
A - 779	359036,882	9805986,177	-15,752
A - 780	359038,824	9805987,295	-15,802
A - 781	359040,767	9805988,414	-15,692
A - 782	359042,730	9805989,544	-15,542
A - 783	359044,706	9805990,682	-15,552
A - 784	359046,746	9805991,856	-15,682
A - 785	359048,844	9805993,064	-15,912
A - 786	359050,910	9805994,254	-15,572
A - 787	359052,912	9805995,407	-15,522
A - 788	359054,931	9805996,570	-15,542
A - 789	359056,971	9805997,744	-15,672
A - 790	359059,147	9805998,997	-15,612
A - 791	359061,306	9806000,240	-15,542
A - 792	359063,464	9806001,483	-15,572
A - 793	359065,564	9806002,692	-15,442
A - 794	359067,556	9806003,839	-15,242
A - 795	359069,508	9806004,964	-15,362
A - 796	359071,460	9806006,087	-15,272
A - 797	359073,454	9806007,236	-15,202
A - 798	359075,423	9806008,369	-15,292
A - 799	359077,476	9806009,551	-15,662
A - 800	359079,614	9806010,783	-15,372
A - 801	359081,772	9806012,025	-15,432
A - 802	359083,979	9806013,296	-15,252
A - 803	359086,165	9806014,555	-15,592
A - 804	359088,376	9806015,828	-15,352
A - 805	359090,544	9806017,077	-15,262

A - 806	359092,733	9806018,337	-15,542
A - 807	359094,848	9806019,555	-15,592
A - 808	359096,958	9806020,770	-15,432
A - 809	359099,064	9806021,983	-15,482
A - 810	359101,083	9806023,146	-15,492
A - 811	359103,117	9806024,317	-15,672
A - 812	359105,094	9806025,455	-15,732
A - 813	359107,053	9806026,583	-15,512
A - 814	359109,038	9806027,726	-15,732
A - 815	359110,967	9806028,837	-15,572
A - 816	359112,884	9806029,941	-15,672
A - 817	359114,702	9806030,987	-15,492
A - 818	359116,478	9806032,010	-15,492
A - 819	359118,359	9806033,093	-15,482
A - 820	359120,342	9806034,235	-15,672
A - 821	359122,370	9806035,403	-15,652
A - 822	359124,377	9806036,559	-15,832
A - 823	359126,503	9806037,783	-15,952
A - 824	359128,652	9806039,020	-15,942
A - 825	359130,758	9806040,233	-15,932
A - 826	359132,855	9806041,441	-15,922
A - 827	359135,005	9806042,678	-15,962
A - 828	359137,163	9806043,921	-15,892
A - 829	359139,413	9806045,217	-16,182
A - 830	359141,693	9806046,530	-16,122
A - 831	359143,938	9806047,822	-16,062
A - 832	359146,157	9806049,100	-16,022
A - 833	359148,308	9806050,339	-16,122
A - 834	359150,389	9806051,537	-16,512
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A - 836	359154,457	9806053,880	-16,332
A - 837	359156,394	9806054,995	-16,472
A - 838	359158,240	9806056,058	-16,422
A - 839	359160,078	9806057,116	-16,492
A - 840	359161,946	9806058,192	-16,642
A - 841	359163,759	9806059,236	-16,742
A - 842	359165,602	9806060,297	-17,002
A - 843	359167,439	9806061,355	-16,952
A - 844	359169,467	9806062,522	-17,322
A - 845	359171,477	9806063,680	-17,262
A - 846	359173,593	9806064,898	-17,172
A - 847	359175,685	9806066,103	-17,432
A - 848	359177,835	9806067,341	-17,382
A - 849	359180,035	9806068,608	-17,602
A - 850	359182,228	9806069,871	-17,632
A - 851	359184,314	9806071,072	-17,822
A - 852	359186,459	9806072,307	-17,972
A - 853	359188,478	9806073,470	-17,932
A - 854	359190,427	9806074,592	-17,732
A - 855	359192,230	9806075,630	-17,772
A - 856	359194,034	9806076,669	-17,852
A - 857	359195,836	9806077,707	-17,842
A - 858	359197,607	9806078,726	-18,072
A - 859	359199,397	9806079,757	-17,912
A - 860	359201,210	9806080,801	-17,982
A - 861	359203,013	9806081,840	-18,062
A - 862	359204,909	9806082,931	-18,342
A - 863	359207,092	9806084,188	-18,142
A - 864	359209,297	9806085,458	-18,562
A - 865	359211,620	9806086,796	-18,492
A - 866	359213,978	9806088,153	-18,572
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A - 868	359218,724	9806090,886	-18,332
A - 869	359220,906	9806092,143	-18,542
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A - 871	359225,229	9806094,632	-18,342
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A - 873	359229,256	9806096,951	-18,512
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A - 877	359236,512	9806101,129	-18,722
A - 878	359238,238	9806102,123	-18,782
A - 879	359239,984	9806103,128	-19,032
A - 880	359241,715	9806104,125	-19,202
A - 881	359243,607	9806105,214	-19,082
A - 882	359245,502	9806106,306	-18,912
A - 883	359247,393	9806107,394	-18,992
A - 884	359249,338	9806108,514	-19,142
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A - 898	359277,358	9806124,649	-19,522
A - 899	359279,326	9806125,782	-19,542
A - 900	359281,265	9806126,899	-19,732
A - 901	359283,191	9806128,008	-19,632
A - 902	359285,095	9806129,104	-19,812
A - 903	359287,004	9806130,203	-19,712
A - 904	359288,843	9806131,262	-19,802
A - 905	359290,619	9806132,285	-19,782
A - 906	359292,405	9806133,314	-19,832
A - 907	359294,271	9806134,388	-19,702
A - 908	359296,139	9806135,464	-19,562
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A - 910	359300,429	9806137,934	-19,622
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A - 913	359306,715	9806141,554	-19,812
A - 914	359308,631	9806142,657	-19,742
A - 915	359310,489	9806143,727	-19,982
A - 916	359312,301	9806144,770	-19,932
A - 917	359314,121	9806145,818	-19,912
A - 918	359315,942	9806146,867	-20,132
A - 919	359317,693	9806147,875	-20,182
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A - 921	359321,195	9806149,892	-20,082
A - 922	359323,031	9806150,949	-20,362
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A - 926	359331,149	9806155,623	-20,832
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A - 928	359335,730	9806158,261	-20,452
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A - 947	359370,524	9806178,297	-21,332
A - 948	359372,599	9806179,492	-21,192
A - 949	359374,852	9806180,789	-21,182
A - 950	359377,209	9806182,146	-21,182
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A - 953	359384,855	9806186,549	-21,612
A - 954	359387,405	9806188,017	-21,742
A - 955	359389,728	9806189,355	-21,502
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A - 976	359431,490	9806213,402	-21,792
A - 977	359433,242	9806214,411	-22,012
A - 978	359434,955	9806215,398	-21,852
A - 979	359436,736	9806216,423	-21,712
A - 980	359438,512	9806217,446	-21,702
A - 981	359440,277	9806218,462	-21,862
A - 982	359442,143	9806219,537	-22,242
A - 983	359444,025	9806220,620	-22,022
A - 984	359446,079	9806221,803	-22,072
A - 985	359448,273	9806223,067	-21,982
A - 986	359450,657	9806224,439	-22,032
A - 987	359453,074	9806225,831	-22,052
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A - 992	359464,288	9806232,289	-21,862
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A - 994	359468,080	9806234,472	-21,662
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A - 996	359471,783	9806236,605	-21,832
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A - 998	359475,459	9806238,721	-21,862
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A - 1016	359536,212	9806273,704	-21,892
A - 1017	359538,276	9806274,893	-21,792
A - 1018	359540,343	9806276,083	-21,952
A - 1019	359542,411	9806277,274	-22,122
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A - 1021	359546,629	9806279,703	-21,762
A - 1022	359548,711	9806280,901	-21,852
A - 1023	359550,772	9806282,088	-22,152
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A - 1025	359554,939	9806284,488	-22,092
A - 1026	359556,997	9806285,673	-21,942
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A - 1035	359575,060	9806296,074	-21,802
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A - 1042	359588,931	9806304,061	-21,422
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A - 1044	359593,408	9806306,639	-21,072
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A - 1050	359605,067	9806313,353	-20,932
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A - 1052	359609,115	9806315,684	-20,662
A - 1053	359611,152	9806316,857	-20,632
A - 1054	359613,226	9806318,051	-20,762
A - 1055	359615,384	9806319,294	-20,722
A - 1056	359617,655	9806320,602	-20,642
A - 1057	359619,919	9806321,905	-20,732
A - 1058	359622,060	9806323,138	-20,962
A - 1059	359624,183	9806324,360	-20,952
A - 1060	359626,221	9806325,534	-20,712
A - 1061	359628,212	9806326,680	-20,302
A - 1062	359630,144	9806327,793	-20,292
A - 1063	359631,950	9806328,833	-20,412
A - 1064	359633,803	9806329,900	-20,222
A - 1065	359635,671	9806330,976	-19,962
A - 1066	359637,622	9806332,099	-20,042
A - 1067	359639,570	9806333,220	-20,222
A - 1068	359641,695	9806334,444	-19,972
A - 1069	359643,793	9806335,652	-19,932
A - 1070	359645,977	9806336,910	-19,892
A - 1071	359648,101	9806338,133	-19,812
A - 1072	359650,404	9806339,459	-20,112
A - 1073	359652,692	9806340,777	-20,052
A - 1074	359654,763	9806341,969	-19,982
A - 1075	359656,809	9806343,147	-19,942
A - 1076	359658,717	9806344,246	-19,712
A - 1077	359660,599	9806345,329	-19,932
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A - 1079	359664,370	9806347,501	-20,062
A - 1080	359666,390	9806348,664	-19,832
A - 1081	359668,477	9806349,866	-19,642
A - 1082	359670,611	9806351,095	-19,892
A - 1083	359672,795	9806352,352	-19,892
A - 1084	359674,967	9806353,603	-19,712
A - 1085	359677,064	9806354,811	-19,692
A - 1086	359679,135	9806356,003	-19,702
A - 1087	359681,181	9806357,181	-19,752
A - 1088	359683,290	9806358,396	-19,622
A - 1089	359685,408	9806359,616	-19,892
A - 1090	359687,523	9806360,833	-19,932
A - 1091	359689,621	9806362,041	-20,162
A - 1092	359691,748	9806363,266	-20,022
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A - 1094	359695,972	9806365,698	-19,942
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A - 1097	359701,998	9806369,168	-19,912
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A - 1099	359705,904	9806371,418	-20,022
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A - 1104	359716,188	9806377,340	-20,312
A - 1105	359718,260	9806378,532	-20,322
A - 1106	359720,376	9806379,751	-20,222
A - 1107	359722,449	9806380,944	-20,122
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A - 1109	359726,770	9806383,433	-20,372
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A - 1112	359732,887	9806386,955	-20,852
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A - 1114	359736,897	9806389,264	-21,202
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A - 1116	359740,922	9806391,582	-20,802
A - 1117	359742,983	9806392,769	-21,002
A - 1118	359744,986	9806393,922	-20,922
A - 1119	359747,049	9806395,110	-20,882
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A - 1121	359751,299	9806397,557	-21,442
A - 1122	359753,423	9806398,780	-21,502
A - 1123	359755,479	9806399,964	-21,612
A - 1124	359757,440	9806401,093	-21,852
A - 1125	359759,437	9806402,243	-21,702
A - 1126	359761,356	9806403,348	-21,842
A - 1127	359763,315	9806404,476	-21,802
A - 1128	359765,361	9806405,654	-21,872
A - 1129	359767,442	9806406,853	-22,112
A - 1130	359769,517	9806408,048	-22,452
A - 1131	359771,554	9806409,220	-22,442
A - 1132	359773,591	9806410,394	-22,372
A - 1133	359775,636	9806411,571	-22,802
A - 1134	359777,746	9806412,786	-22,642
A - 1135	359779,818	9806413,979	-22,862
A - 1136	359781,829	9806415,137	-22,932
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A - 1143	359795,696	9806423,122	-23,842
A - 1144	359797,664	9806424,255	-23,812
A - 1145	359799,501	9806425,313	-23,602
A - 1146	359801,371	9806426,390	-23,262
A - 1147	359803,307	9806427,505	-22,472
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A - 1149	359807,467	9806429,900	-20,952
A - 1150	359809,811	9806431,250	-19,872
A - 1151	359812,166	9806432,606	-18,832
A - 1152	359814,348	9806433,863	-17,852
A - 1153	359816,802	9806435,276	-16,382
A - 1154	359818,984	9806436,532	-15,232
A - 1155	359821,255	9806437,840	-14,012
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A - 1157	359825,851	9806440,486	-11,132
A - 1158	359828,178	9806441,826	-9,622
A - 1159	359830,431	9806443,124	-8,252
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A - 1161	359835,152	9806445,842	-5,122
A - 1162	359837,469	9806447,176	-3,742
A - 1163	359839,758	9806448,494	-2,462
A - 1164	359841,948	9806449,755	-1,392
A - P25D7- SUB	359859,450	9806459,833	2,275
A - P25D6 - NA	359864,854	9806462,945	3,088
A - P25D5	359868,985	9806465,324	3,661
A - P25D4	359874,212	9806468,334	4,571
A - S25D	359884,905	9806474,491	4,811
A - P25D3	359892,607	9806478,926	4,886
A - P25D2	359898,792	9806482,488	4,890
A - P25D1	359902,719	9806484,749	4,953
A - S25DA	359906,670	9806487,024	4,983

ANEXO 4

Análise das Amostras de Sedimentos

GRANULOMETRIA - PENEIRAMENTO

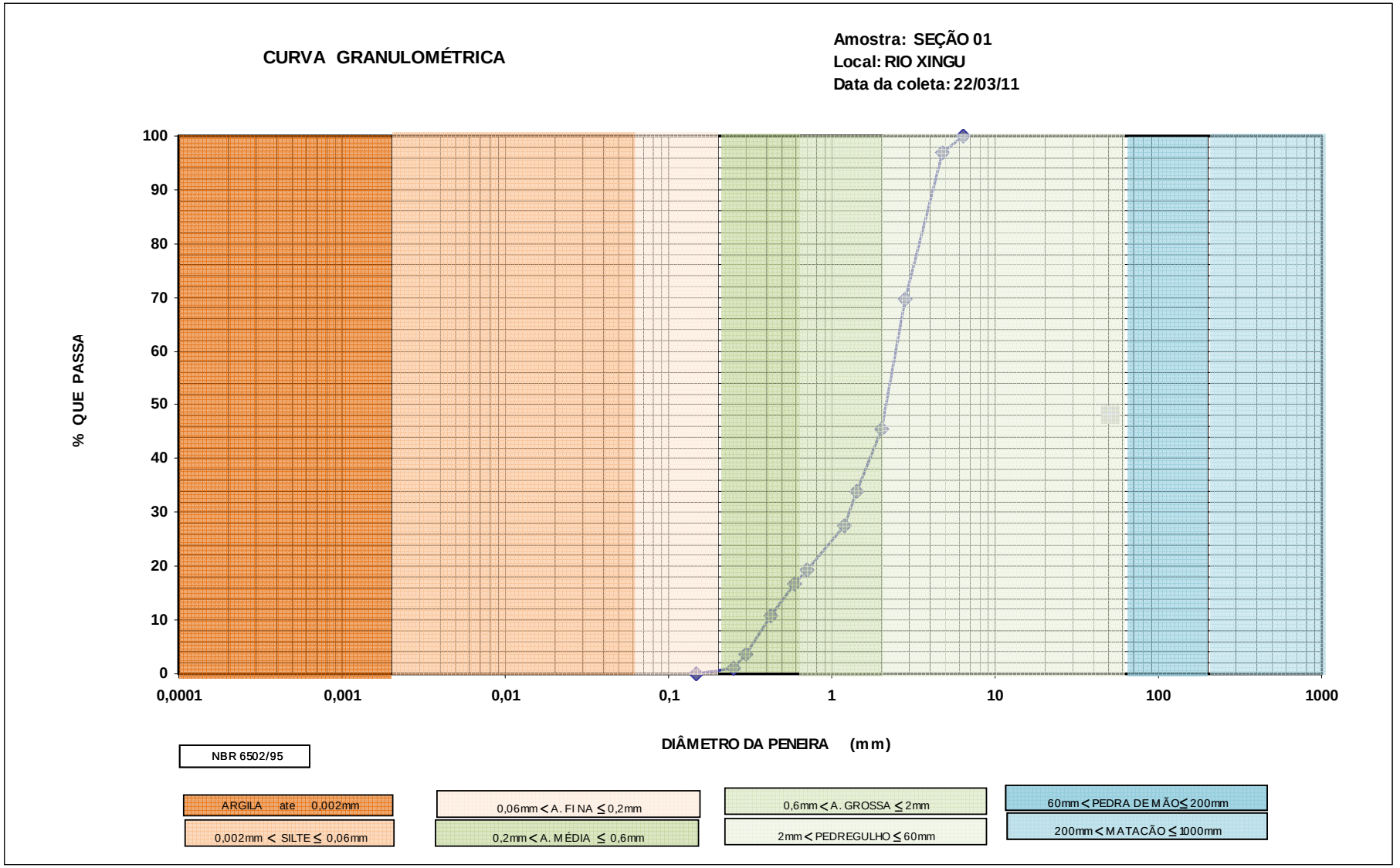
AMOSTRA: SEÇÃO 01

RIO: XINGU

Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35		0	0,00	100,00	
4	4,76		11,86	3,03	96,97	
7	2,83		118,6	30,32	69,68	30,32
10	2,00	areia grossa	213	54,45	45,55	
14	1,41		258,0	65,95	34,05	
16	1,20		283,4	72,44	27,56	
25	0,71		315,9	80,75	19,25	50,43
30	0,59	areia média	325,4	83,18	16,82	
40	0,42		349,2	89,26	10,74	
50	0,297		377,6	96,52	3,48	
60	0,250		387,3	99,00	1,00	18,25
100	0,149	areia fina	391,1	99,97	0,03	
200	0,075					0,97
Fundo	0		391,2	100,00	0,00	0,03

Obs.:


CURVA GRANULOMÉTRICA
Amostra: SEÇÃO 01
Local: RIO XINGU
Data da coleta: 22/03/11
% QUE PASSA
100
90
80
70
60
50
40
30
20
10
0
0,0001
0,001
0,01
0,1
1
10
100
1000
DIÂMETRO DA PENEIRA (mm)
NBR 6502/95
ARGILA ate 0,002mm
0,002mm < SILTE ≤ 0,06mm
0,06mm < A. FINA ≤ 0,2mm
0,2mm < A. MÉDIA ≤ 0,6mm
0,6mm < A. GROSSA ≤ 2mm
2mm < PEDREGULHO ≤ 60mm
60mm < PEDRA DE MÃO ≤ 200mm
200mm < MATACÃO ≤ 1000mm

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 02

RIO: XINGU

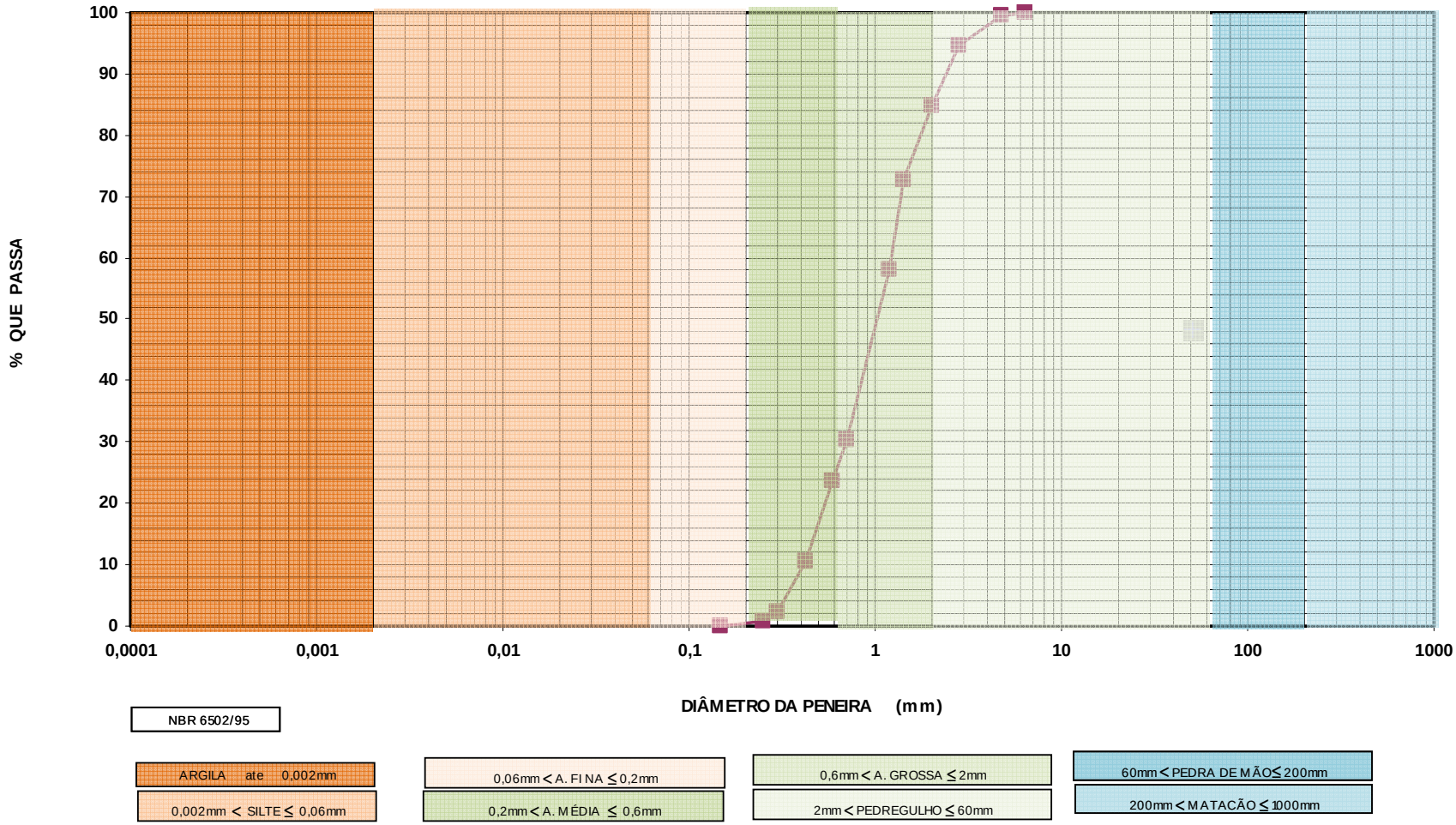
Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35		0	0,00	100,00	
4	4,76		2,19	0,52	99,48	
7	2,83		22,9	5,40	94,60	5,40
10	2,00	areia grossa	64,35	15,18	84,82	
14	1,41		115,3	27,20	72,80	
16	1,20		177,9	41,97	58,03	
25	0,71		295,6	69,73	30,27	64,33
30	0,59	areia média	323,8	76,39	23,61	
40	0,42		379,6	89,55	10,45	
50	0,297		414,1	97,69	2,31	
60	0,250		420,6	99,22	0,78	29,49
100	0,149	areia fina	423,6	99,93	0,07	
200	0,075					0,71
Fundo	0		423,9	100,00	0,00	0,07

Obs.:

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 02
Local: RIO XINGU
Data da coleta: 22/03/11



LEME

GRANULOMETRIA - PENEIRAMENTO

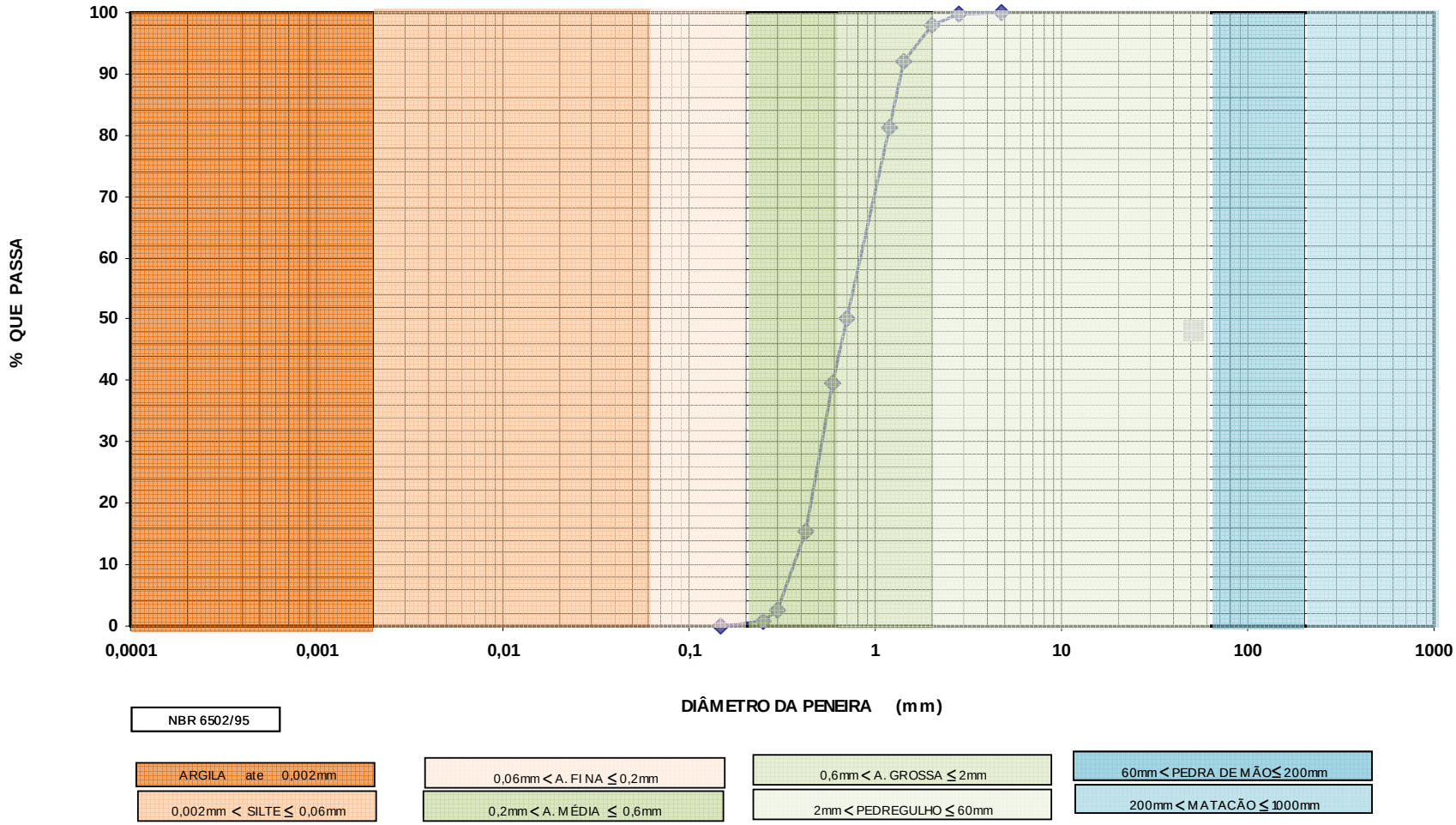
AMOSTRA: SEÇÃO 03
RIO: XINGU
Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		1,01	0,32	99,68	0,32
10	2,00	areia grossa	6,84	2,16	97,84	
14	1,41		25,01	7,88	92,12	
16	1,20		59,2	18,66	81,34	
25	0,71		158,2	49,87	50,13	49,56
30	0,59	areia média	191,3	60,31	39,69	
40	0,42		268	84,49	15,51	
50	0,297		309,4	97,54	2,46	
60	0,250		314,8	99,24	0,76	49,37
100	0,149	areia fina	316,8	99,87	0,13	
200	0,075					0,63
Fundo	0		317,2	100,00	0,00	0,13

Obs.:

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 03
Local: RIO XINGU
Data da coleta: 22/03/11



LEME

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 04
RIO: XINGU
Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

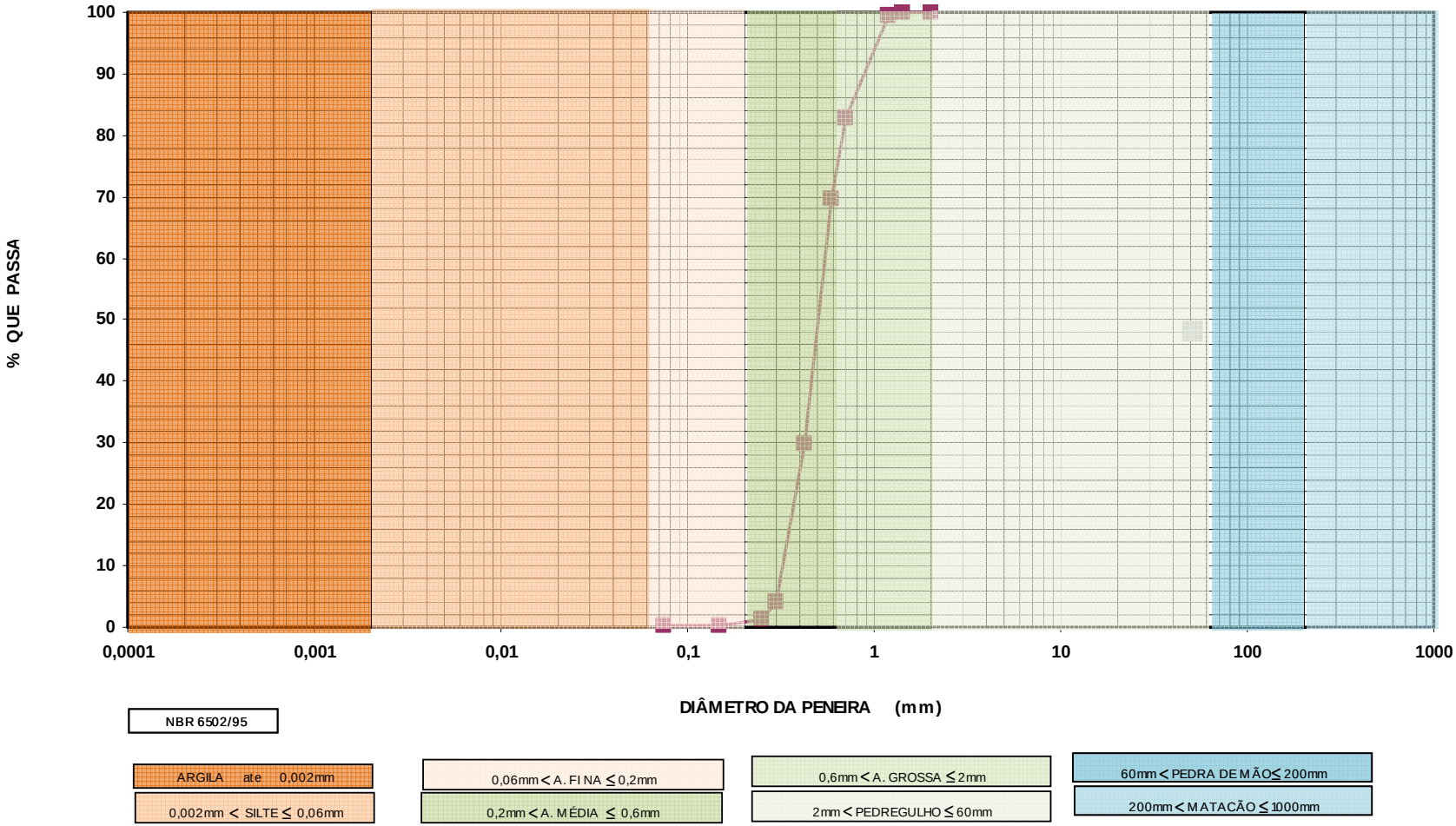
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa	0	0,00	100,00	
14	1,41		0,59	0,13	99,87	
16	1,20		2,95	0,63	99,37	
25	0,71		80,13	17,10	82,90	17,10
30	0,59	areia média	142	30,31	69,69	
40	0,42		328,6	70,14	29,86	
50	0,297		449,3	95,90	4,10	
60	0,250		462,9	98,80	1,20	81,70
100	0,149	areia fina	467,6	99,81	0,19	
200	0,075		467,7	99,83	0,17	1,02
Fundo	0		468,5	100,00	0,00	0,17

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 04
Local: RIO XINGU
Data da coleta: 22/03/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 05

RIO: XINGU

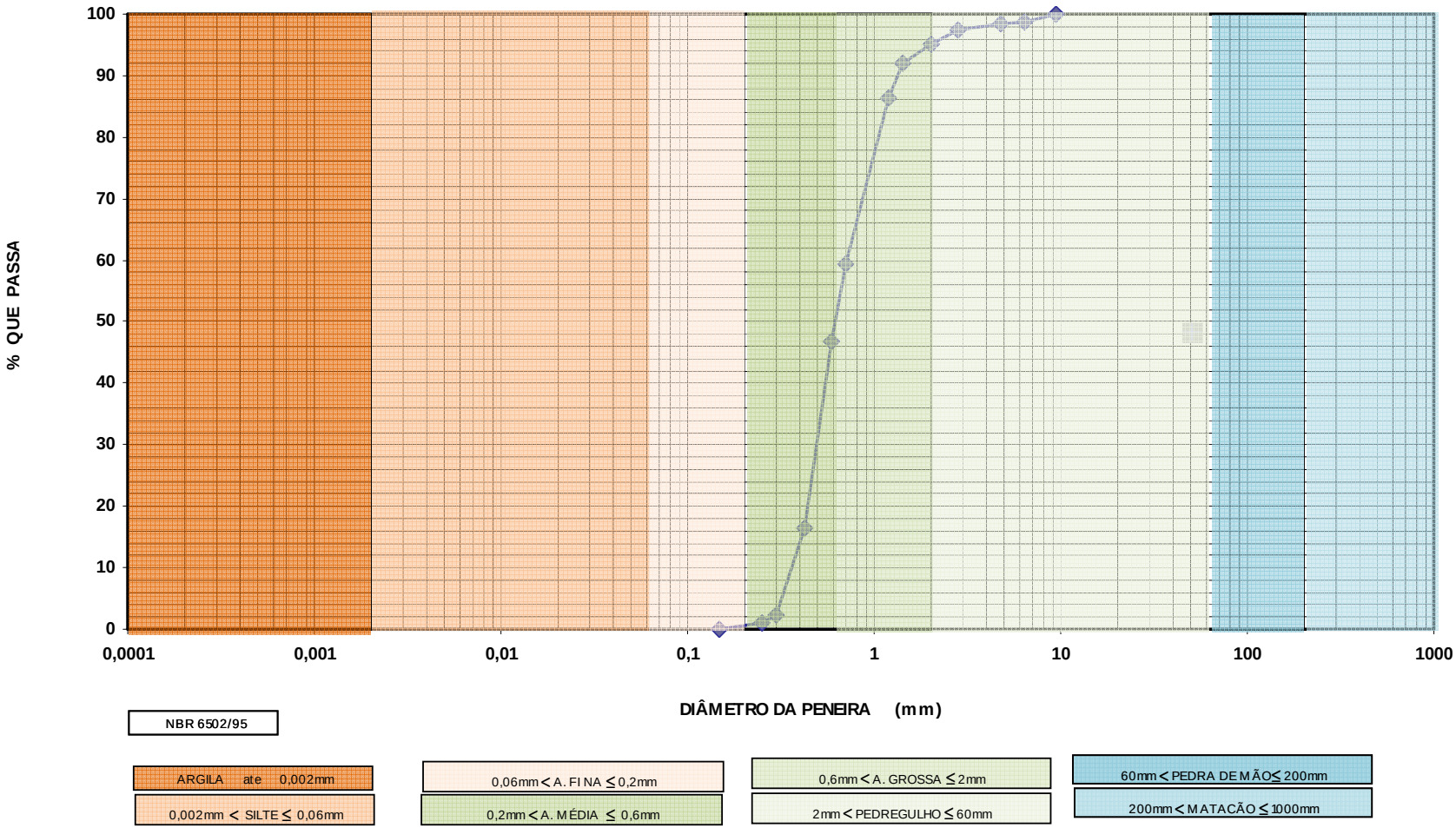
Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52		0	0,00	100,00	
3	6,35		5,49	1,21	98,79	
4	4,76		6,55	1,44	98,56	
7	2,83		11,8	2,60	97,40	2,60
10	2,00	areia grossa	22,19	4,89	95,11	
14	1,41		36,5	8,04	91,96	
16	1,20		62,2	13,70	86,30	
25	0,71		184,7	40,68	59,32	38,08
30	0,59	areia média	241,1	53,11	46,89	
40	0,42		379,1	83,50	16,50	
50	0,297		443,1	97,60	2,40	
60	0,250		449,9	99,10	0,90	58,41
100	0,149	areia fina	453,5	99,89	0,11	
200	0,075					0,79
Fundo	0		454,0	100,00	0,00	0,11

Obs.:

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 05
Local: RIO XINGU
Data da coleta: 22/03/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 06

RIO: XINGU

Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

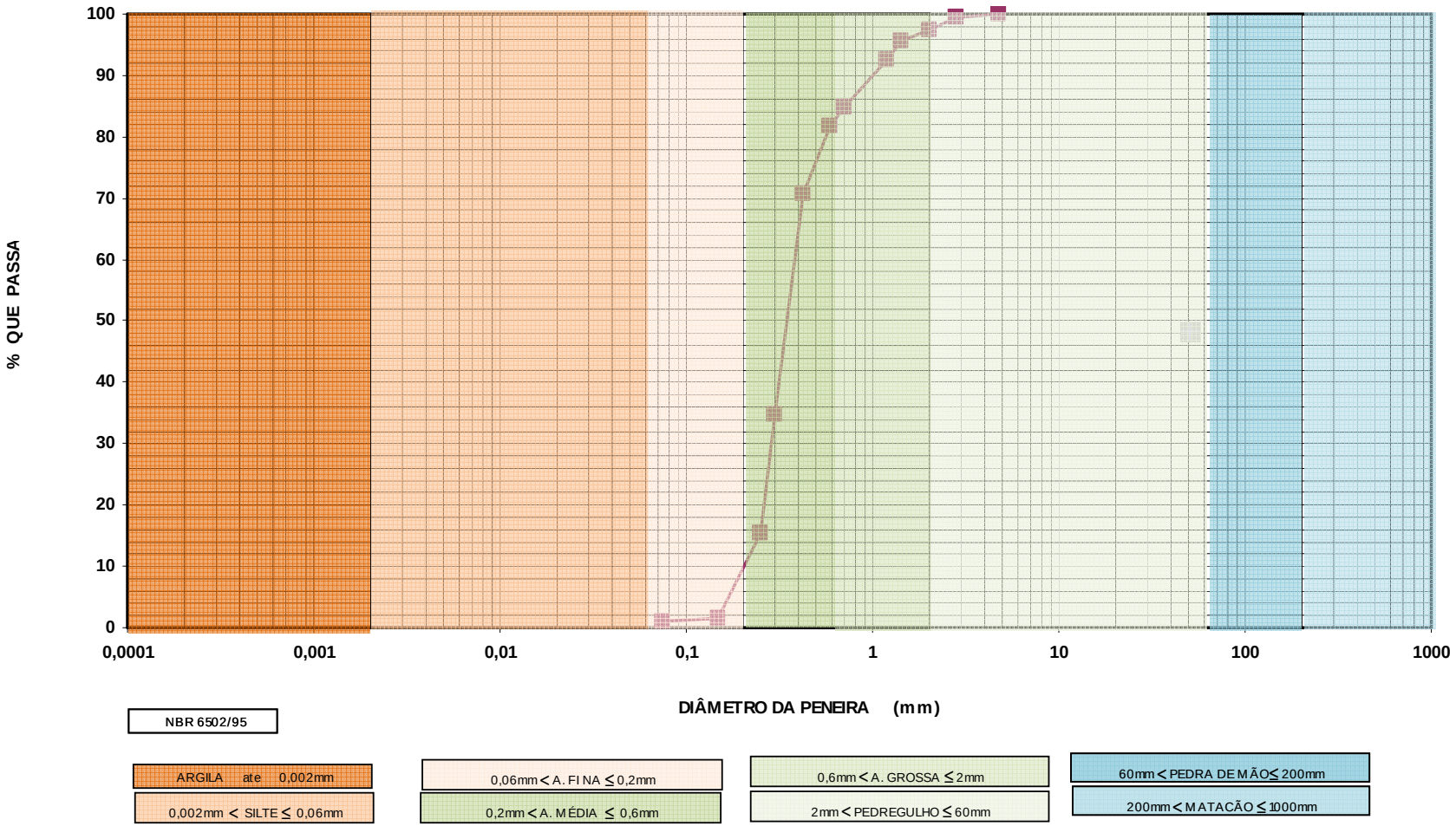
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		2,87	0,63	99,37	0,63
10	2,00	areia grossa	11,16	2,45	97,55	
14	1,41		20,0	4,40	95,60	
16	1,20		33,6	7,37	92,63	
25	0,71		69,6	15,28	84,72	14,65
30	0,59	areia média	83,6	18,35	81,65	
40	0,42		134,0	29,42	70,58	
50	0,297		297,1	65,23	34,77	
60	0,250		385,0	84,52	15,48	69,24
100	0,149	areia fina	448,2	98,40	1,60	
200	0,075		451,1	99,03	0,97	14,51
Fundo	0		455,5	100,00	0,00	0,97

Obs.:

LEME

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 06
Local: RIO XINGU
Data da coleta: 22/03/11



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 07

RIO: XINGU

Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

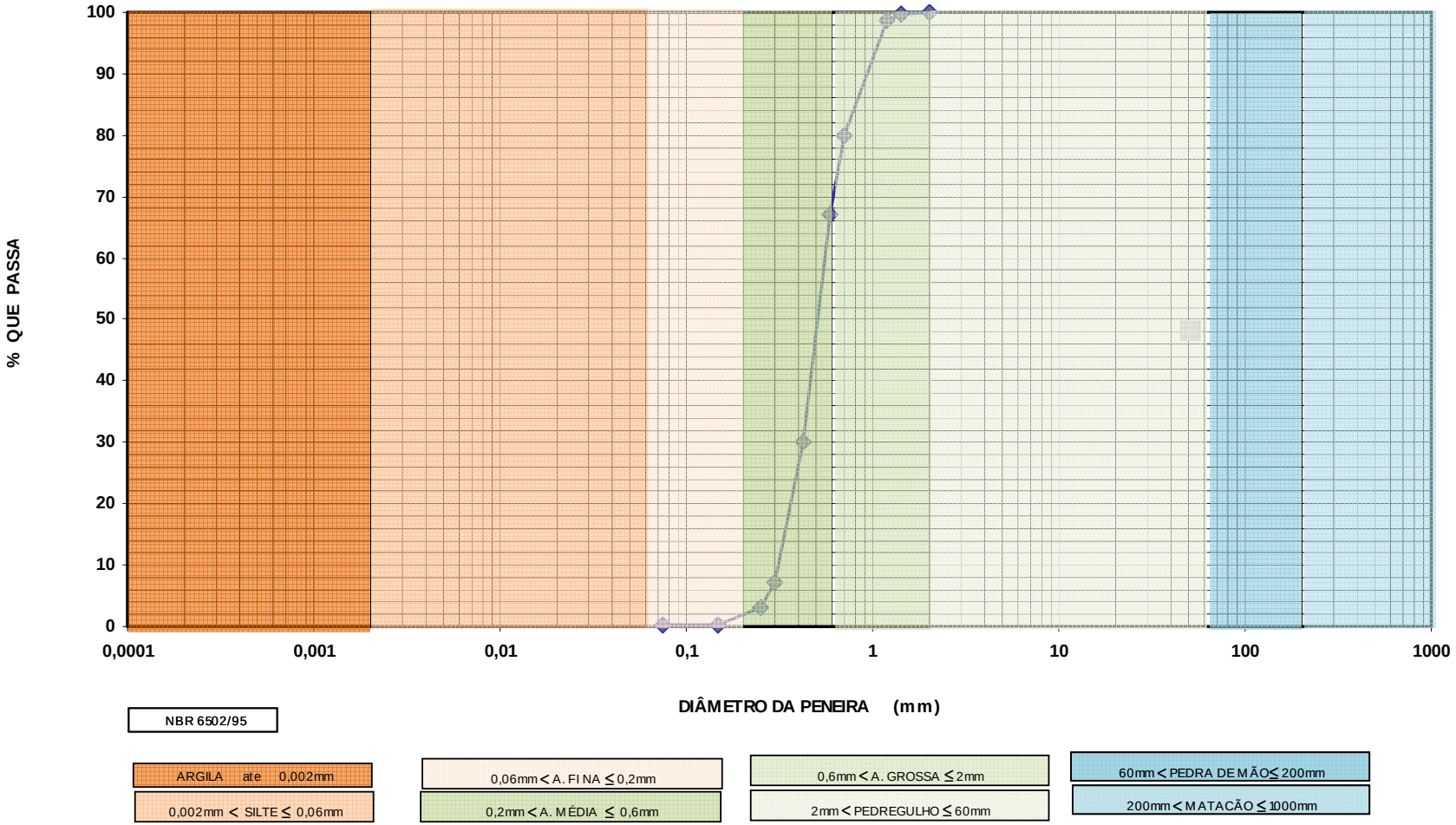
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa	0	0,00	100,00	
14	1,41		1,3	0,30	99,70	
16	1,20		5,9	1,41	98,59	
25	0,71		84,4	20,16	79,84	20,16
30	0,59	areia média	137,2	32,79	67,21	
40	0,42		292,7	69,96	30,04	
50	0,297		388,4	92,83	7,17	
60	0,250		406,0	97,04	2,96	76,88
100	0,149	areia fina	417,2	99,71	0,29	
200	0,075		417,4	99,76	0,24	2,72
Fundo	0		418,4	100,00	0,00	0,24

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 07
Local: RIO XINGU
Data da coleta: 22/03/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 08 - VERTICAL 05

RIO: XINGU

Data Coleta: 04/02/2011 **Data Análise:** 07/03/2011

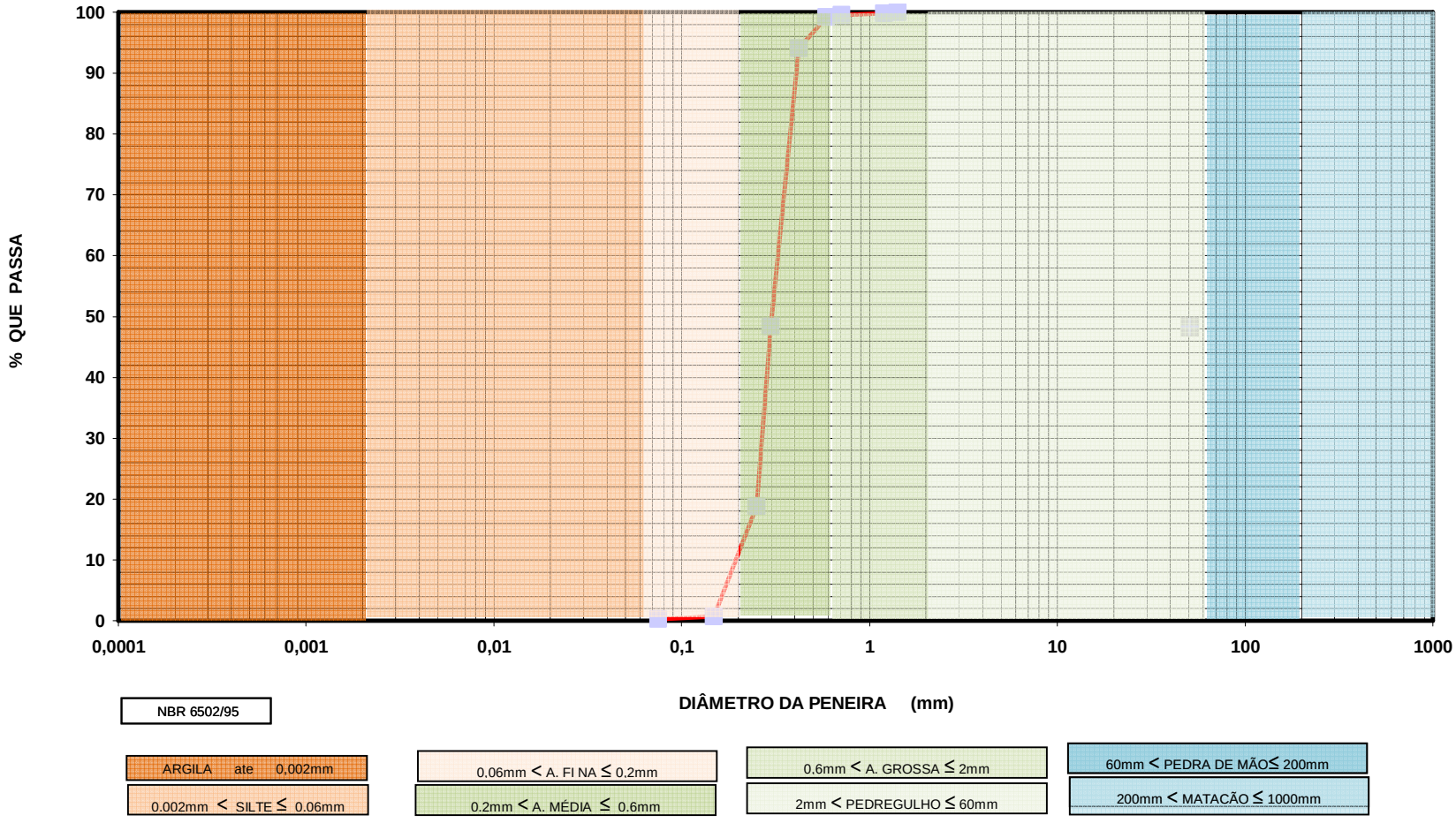
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41		0,0	0,00	100,00	
16	1,20		0,6	0,20	99,80	
25	0,71		1,4	0,46	99,54	0,46
30	0,59	areia média	2,5	0,82	99,18	
40	0,42		18,1	5,96	94,04	
50	0,297		156,8	51,65	48,35	
60	0,250		246,5	81,19	18,81	80,73
100	0,149	areia fina	301,4	99,28	0,72	
200	0,075		302,9	99,77	0,23	18,58
Fundo	0		303,6	100,00	0,00	0,23

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 08 - VERTICAL 05
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 08 - VERTICAL 04
RIO: XINGU
Data Coleta: 04/02/2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa	0	0,00	100,00	
14	1,41		0,5	0,13	99,87	
16	1,20		2,9	0,78	99,22	
25	0,71		28,4	7,67	92,33	7,67
30	0,59	areia média	51,2	13,82	86,18	
40	0,42		189,3	51,11	48,89	
50	0,297		354,6	95,73	4,27	
60	0,250		368,1	99,38	0,62	91,71
100	0,149	areia fina	370,2	99,95	0,05	
200	0,075		370,3	99,97	0,03	0,59
Fundo	0		370,4	100,00	0,00	0,03

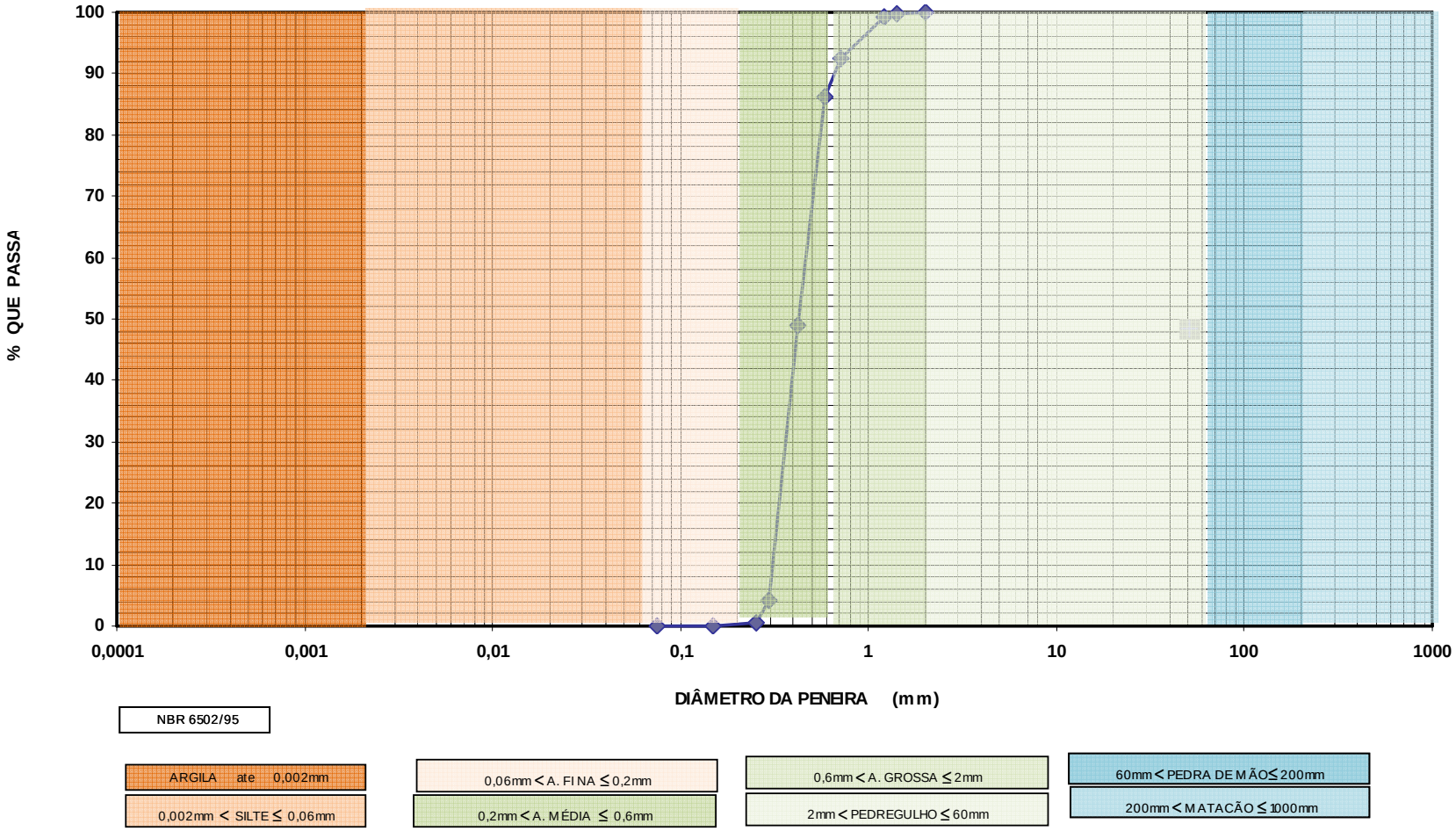
Obs.:

LEME

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 08 - VERTICAL 04
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

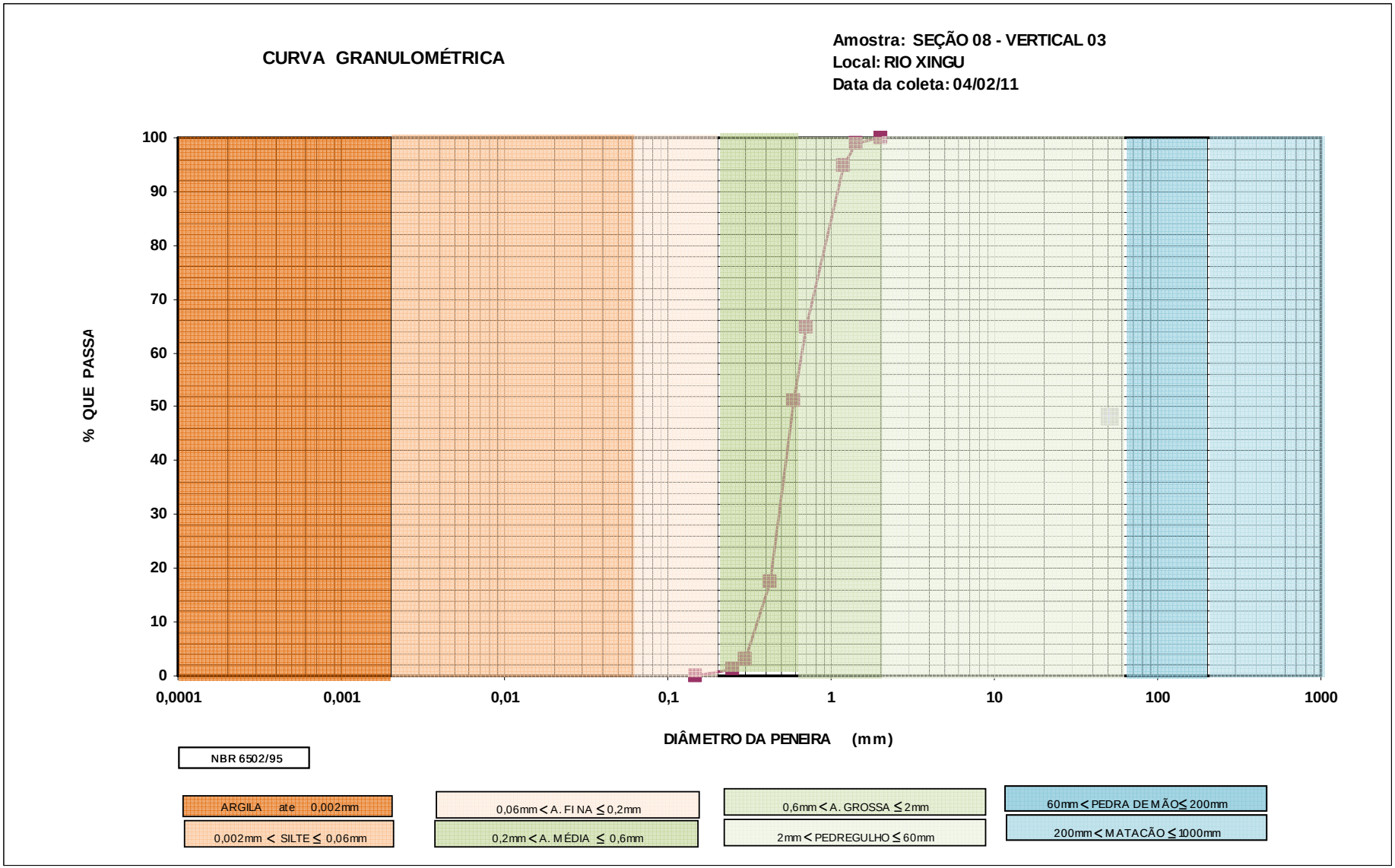
Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 08 - VERTICAL 03
RIO: XINGU
Data Coleta: 04/02/2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa	0	0,00	100,00	
14	1,41		3,6	1,08	98,92	
16	1,20		17,2	5,17	94,83	
25	0,71		117,4	35,29	64,71	35,29
30	0,59	areia média	162,4	48,81	51,19	
40	0,42		274,5	82,51	17,49	
50	0,297		322,3	96,87	3,13	
60	0,250		328,2	98,65	1,35	63,36
100	0,149	areia fina	332,4	99,91	0,09	
200	0,075					1,26
Fundo	0		332,7	100,00	0,00	0,09

Obs.:


CURVA GRANULOMÉTRICA
Amostra: SEÇÃO 08 - VERTICAL 03
Local: RIO XINGU
Data da coleta: 04/02/11
% QUE PASSA
100
90
80
70
60
50
40
30
20
10
0
0,0001
0,001
0,01
0,1
1
10
100
1000
DIÂMETRO DA PENEIRA (mm)
NBR 6502/95
ARGILA ate 0,002mm
0,002mm < SILTE ≤ 0,06mm
0,06mm < A. FINA ≤ 0,2mm
0,2mm < A. MÉDIA ≤ 0,6mm
0,6mm < A. GROSSA ≤ 2mm
2mm < PEDREGULHO ≤ 60mm
60mm < PEDRA DE MÃO ≤ 200mm
200mm < MATACÃO ≤ 1000mm

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 08 - VERTICAL 02
RIO: XINGU
Data Coleta: 04/02/2011 **Data Análise:** 07/03/2011

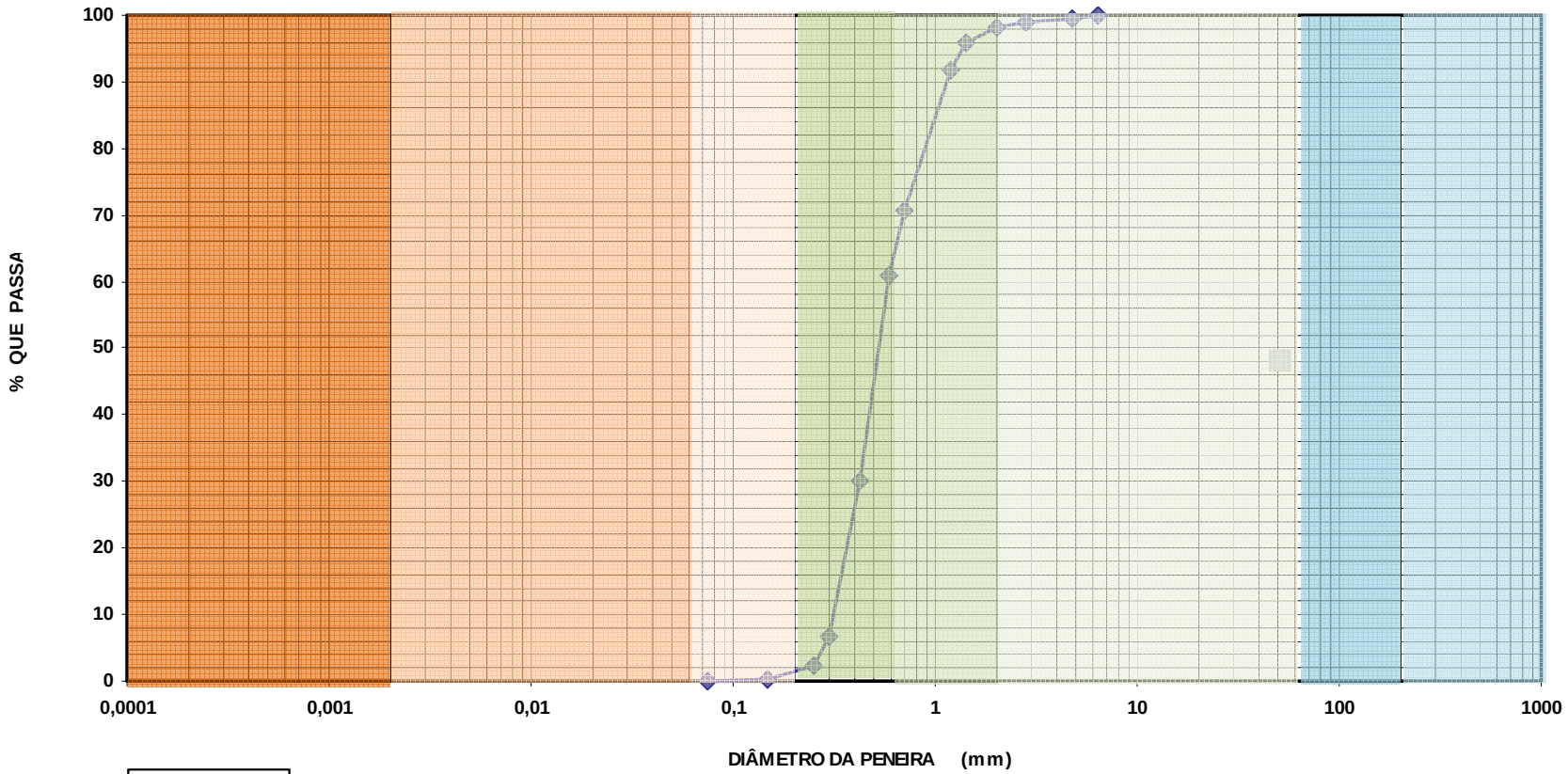
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35		0,0	0,00	100,00	
4	4,76		2,1	0,56	99,44	
7	2,83		3,8	1,02	98,98	1,02
10	2,00	areia grossa	6,4	1,72	98,28	
14	1,41		15,6	4,19	95,81	
16	1,20		30,8	8,28	91,72	
25	0,71		109,0	29,29	70,71	28,27
30	0,59	areia média	145,1	38,99	61,01	
40	0,42		259,8	69,82	30,18	
50	0,297		347,0	93,25	6,75	
60	0,250		363,9	97,80	2,20	68,50
100	0,149	areia fina	371,5	99,84	0,16	
200	0,075		371,7	99,89	0,11	2,10
Fundo	0		372,1	100,00	0,00	0,11

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 08 - VERTICAL 02
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

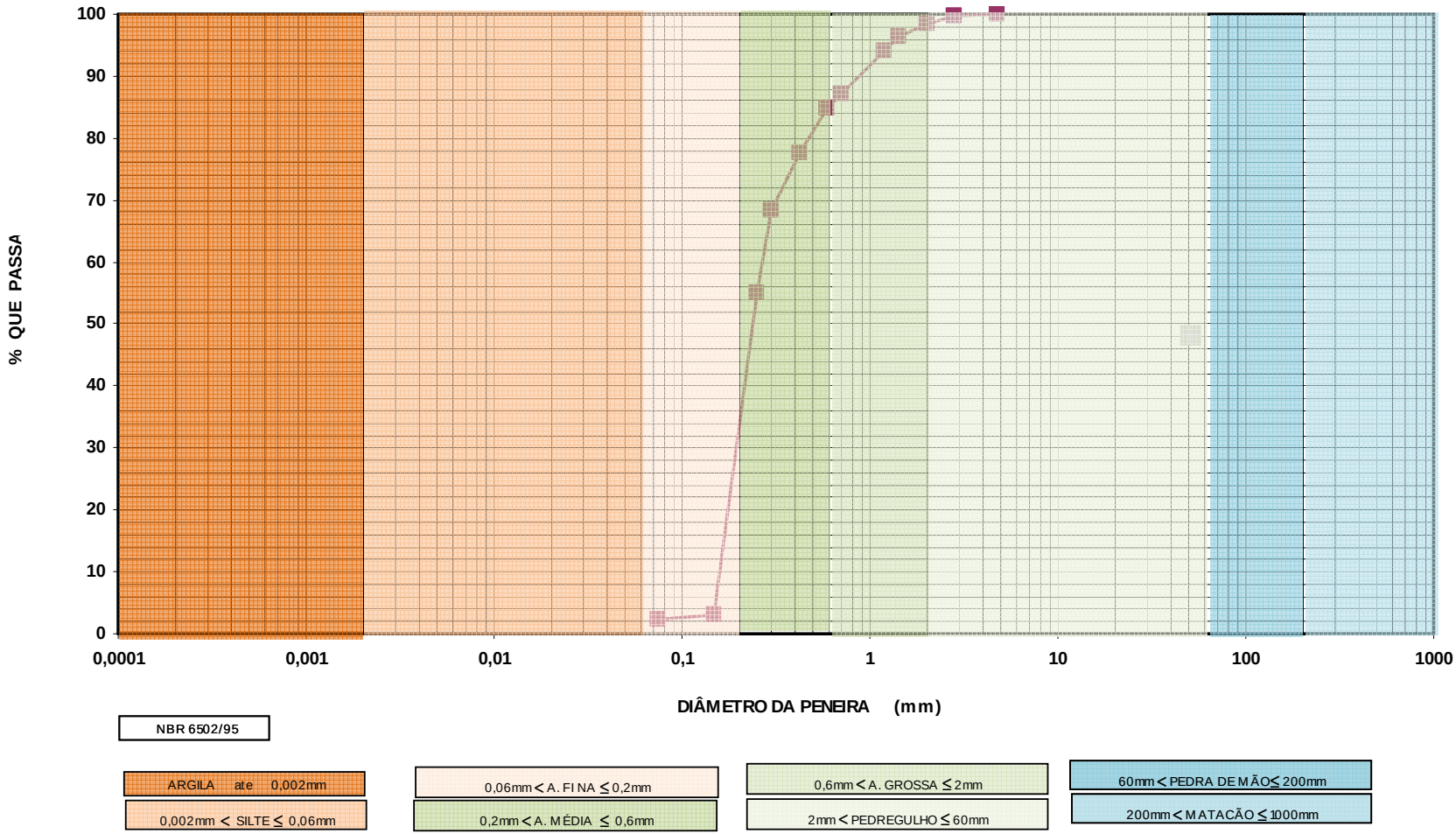
AMOSTRA: SEÇÃO 08 - VERTICAL 01
RIO: XINGU
Data Coleta: 04/02/2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		0,9	0,24	99,76	0,24
10	2,00	areia grossa	5,7	1,50	98,50	
14	1,41		13,6	3,57	96,43	
16	1,20		22,8	5,98	94,02	
25	0,71		48,5	12,73	87,27	12,49
30	0,59	areia média	58,2	15,27	84,73	
40	0,42		85,6	22,46	77,54	
50	0,297		120,3	31,57	68,43	
60	0,250		171,8	45,08	54,92	32,35
100	0,149	areia fina	369,4	96,93	3,07	
200	0,075		372,3	97,69	2,31	52,61
Fundo	0		381,1	100,00	0,00	2,31

Obs.:

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 08 - VERTICAL 01
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 09

RIO: XINGU

Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

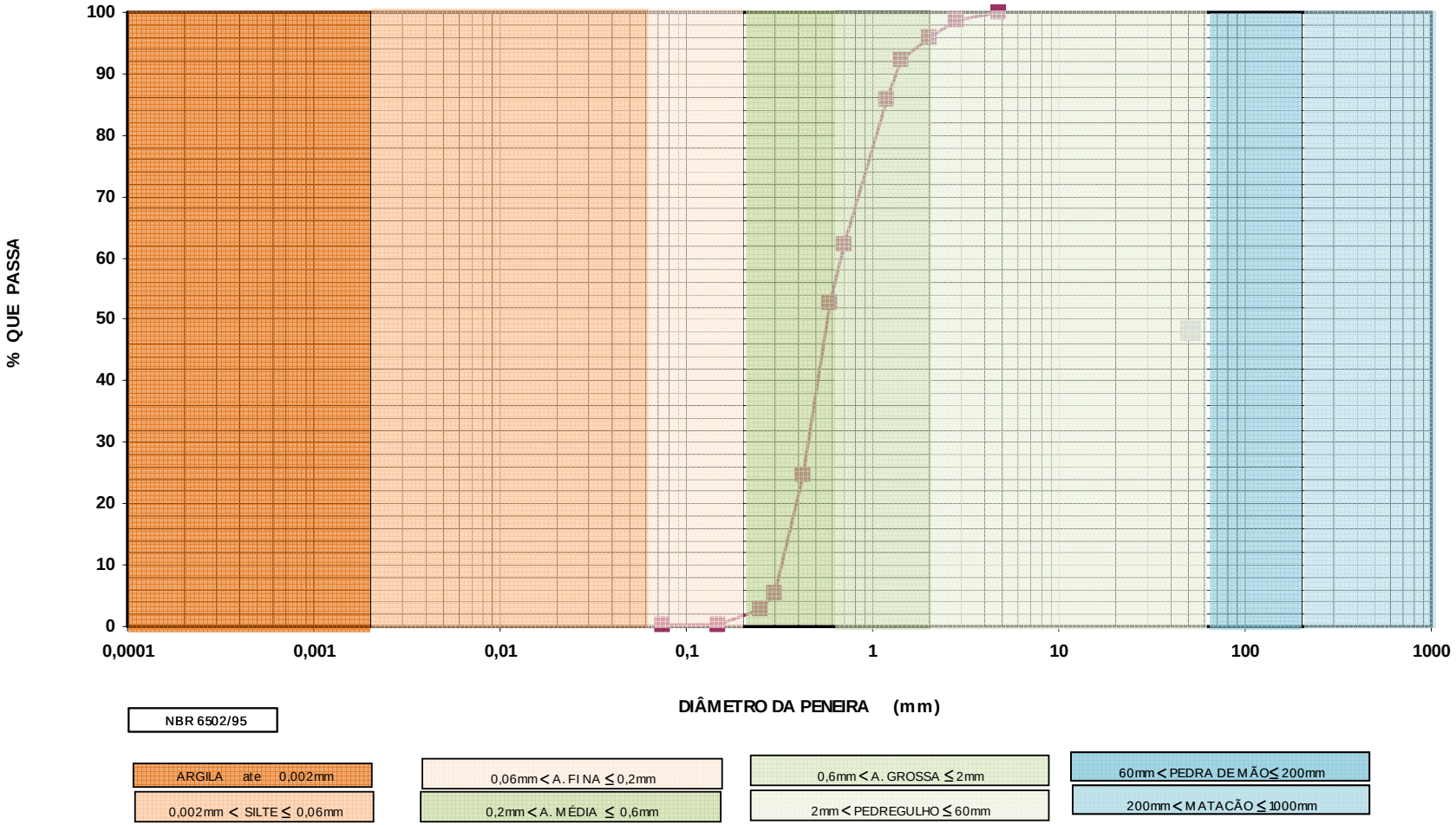
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		6,16	1,24	98,76	1,24
10	2,00	areia grossa	20,15	4,07	95,93	
14	1,41		38,6	7,80	92,20	
16	1,20		70,6	14,25	85,75	
25	0,71		186,8	37,71	62,29	36,47
30	0,59	areia média	234,8	47,41	52,59	
40	0,42		373,4	75,39	24,61	
50	0,297		468,0	94,49	5,51	
60	0,250		481,7	97,25	2,75	59,54
100	0,149	areia fina	494,0	99,74	0,26	
200	0,075		494,4	99,82	0,18	2,56
Fundo	0		495,3	100,00	0,00	0,18

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 09
Local: RIO XINGU
Data da coleta: 22/03/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 10

RIO: XINGU

Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83		0	0,00	100,00	0,00
10	2,00	areia grossa	1,66	0,40	99,60	
14	1,41		4,6	1,12	98,88	
16	1,20		11,4	2,77	97,23	
25	0,71		47,7	11,58	88,42	11,58
30	0,59	areia média	68,4	16,61	83,39	
40	0,42		154,3	37,49	62,51	
50	0,297		336,4	81,73	18,27	
60	0,250		386,5	93,90	6,10	82,33
100	0,149	areia fina	410,2	99,66	0,34	
200	0,075		410,5	99,73	0,27	5,83
Fundo	0		411,6	100,00	0,00	0,27

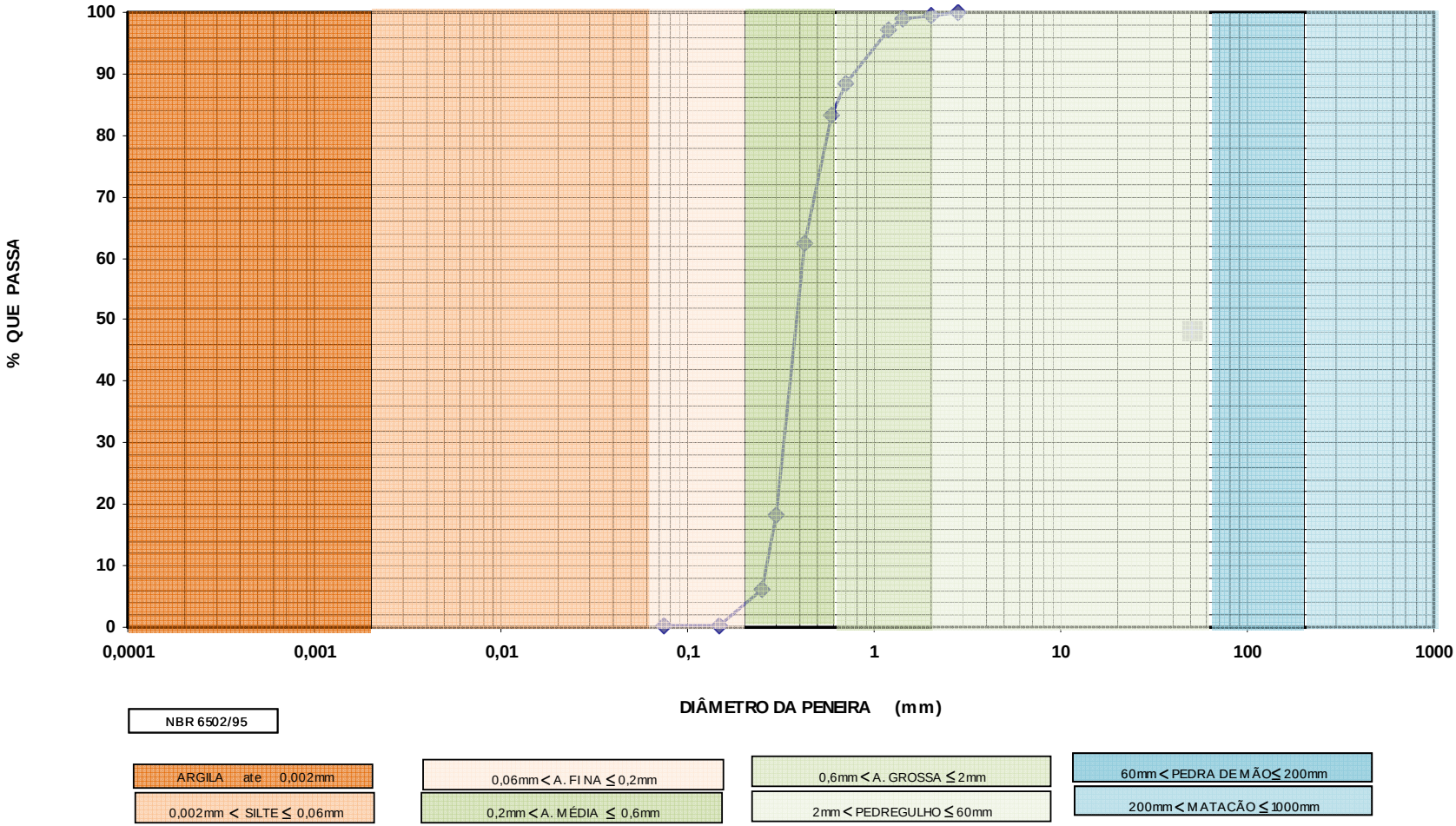
Obs.:

LEME

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 10
Local: RIO XINGU
Data da coleta: 22/03/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 11

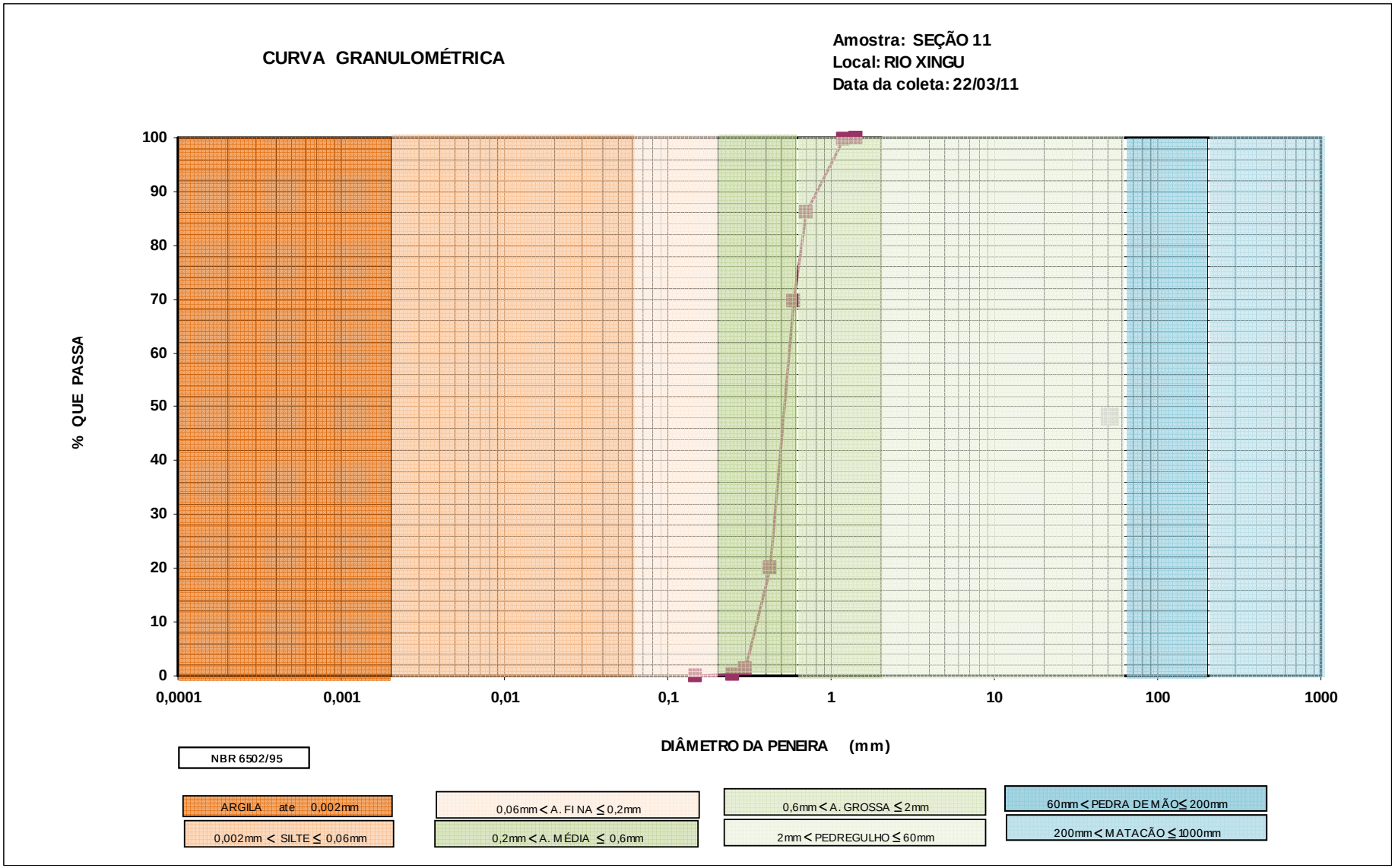
RIO: XINGU

Data Coleta: 22/03/2011 **Data Análise:** 24/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41		0,0	0,00	100,00	
16	1,20		1,3	0,29	99,71	
25	0,71		63,6	13,82	86,18	13,82
30	0,59	areia média	139,3	30,26	69,74	
40	0,42		367,8	79,90	20,10	
50	0,297		454,5	98,74	1,26	
60	0,250		458,8	99,67	0,33	85,85
100	0,149	areia fina	459,9	99,91	0,09	
200	0,075					0,24
Fundo	0		460,3	100,00	0,00	0,09

Obs.:

LEME


CURVA GRANULOMÉTRICA
Amostra: SEÇÃO 11
Local: RIO XINGU
Data da coleta: 22/03/11
% QUE PASSA
100
90
80
70
60
50
40
30
20
10
0
0,0001
0,001
0,01
0,1
1
10
100
1000
DIÂMETRO DA PENEIRA (mm)
NBR 6502/95
ARGILA ate 0,002mm
0,002mm < SILTE ≤ 0,06mm
0,06mm < A. FINA ≤ 0,2mm
0,2mm < A. MÉDIA ≤ 0,6mm
0,6mm < A. GROSSA ≤ 2mm
2mm < PEDREGULHO ≤ 60mm
60mm < PEDRA DE MÃO ≤ 200mm
200mm < MATACÃO ≤ 1000mm

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 12
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

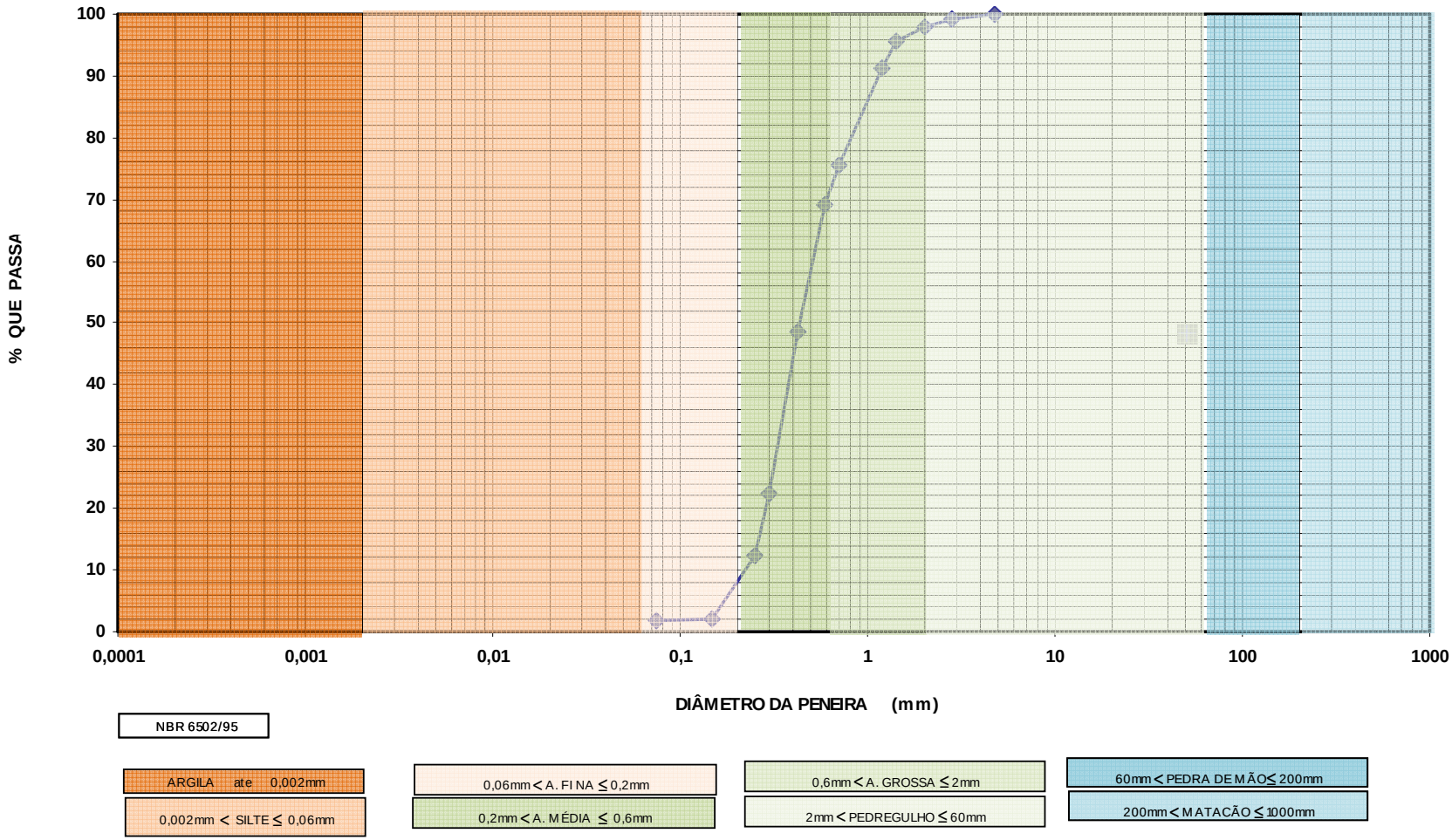
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		2,7	0,68	99,32	0,68
10	2,00	areia grossa	8,1	2,04	97,96	
14	1,41		17,8	4,48	95,52	
16	1,20		34,9	8,78	91,22	
25	0,71		97,1	24,42	75,58	23,74
30	0,59	areia média	122,9	30,91	69,09	
40	0,42		204,6	51,46	48,54	
50	0,297		308,9	77,69	22,31	
60	0,250		348,4	87,63	12,37	63,20
100	0,149	areia fina	389,8	98,04	1,96	
200	0,075		390,9	98,31	1,69	10,69
Fundo	0		397,6	100,00	0,00	1,69

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 12
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 13
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

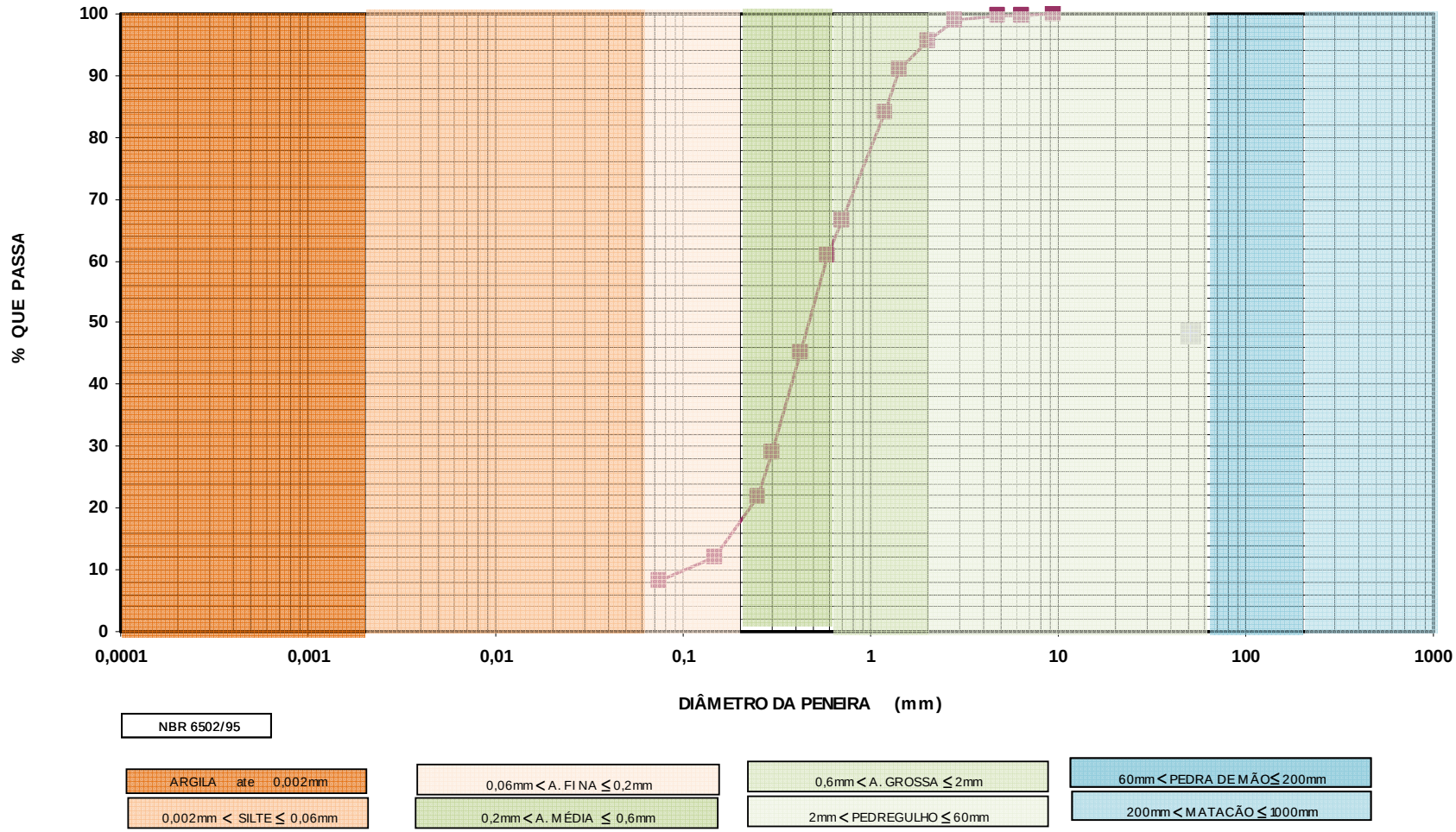
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52		0	0,00	100,00	
3	6,35		0,7	0,15	99,85	
4	4,76		0,9	0,20	99,80	
7	2,83		4,8	1,06	98,94	1,06
10	2,00	areia grossa	19,4	4,27	95,73	
14	1,41		41,2	9,06	90,94	
16	1,20		72	15,84	84,16	
25	0,71		151,8	33,39	66,61	32,34
30	0,59	areia média	177,7	39,09	60,91	
40	0,42		249,2	54,82	45,18	
50	0,297		322,8	71,01	28,99	
60	0,250		354,9	78,07	21,93	44,68
100	0,149	areia fina	399,8	87,95	12,05	
200	0,075		417,3	91,79	8,21	13,73
Fundo	0		454,6	100,00	0,00	8,21

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 13
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 14
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

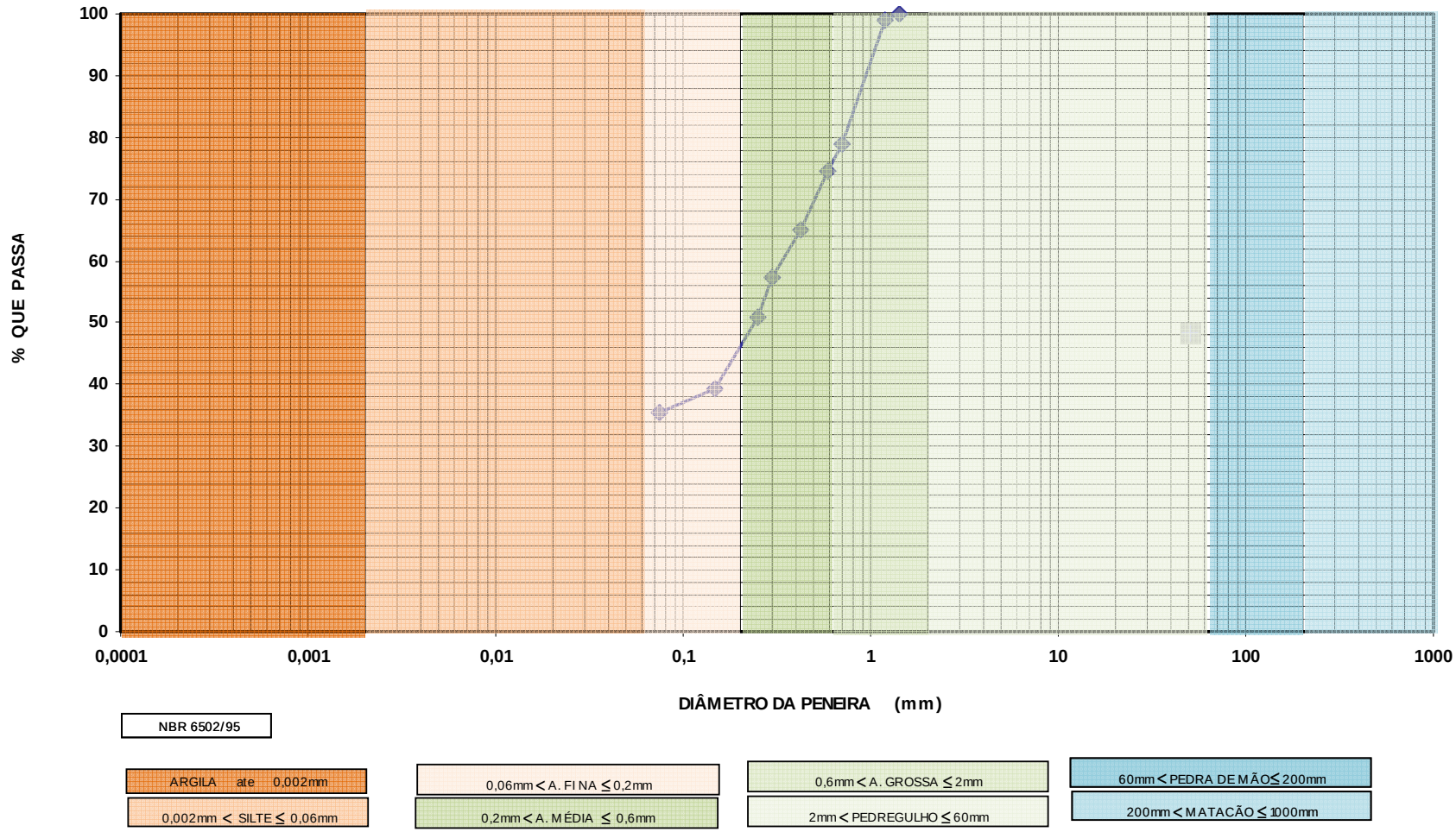
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41		0,0	0,00	100,00	
16	1,20		1,7	1,00	99,00	
25	0,71		35,3	21,07	78,93	21,07
30	0,59	areia média	42,7	25,47	74,53	
40	0,42		58,6	34,94	65,06	
50	0,297		71,6	42,71	57,29	
60	0,250		82,2	49,07	50,93	28,00
100	0,149	areia fina	101,6	60,62	39,38	
200	0,075		108,0	64,44	35,56	15,37
Fundo	0		167,6	100,00	0,00	35,56

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 14
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 15
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

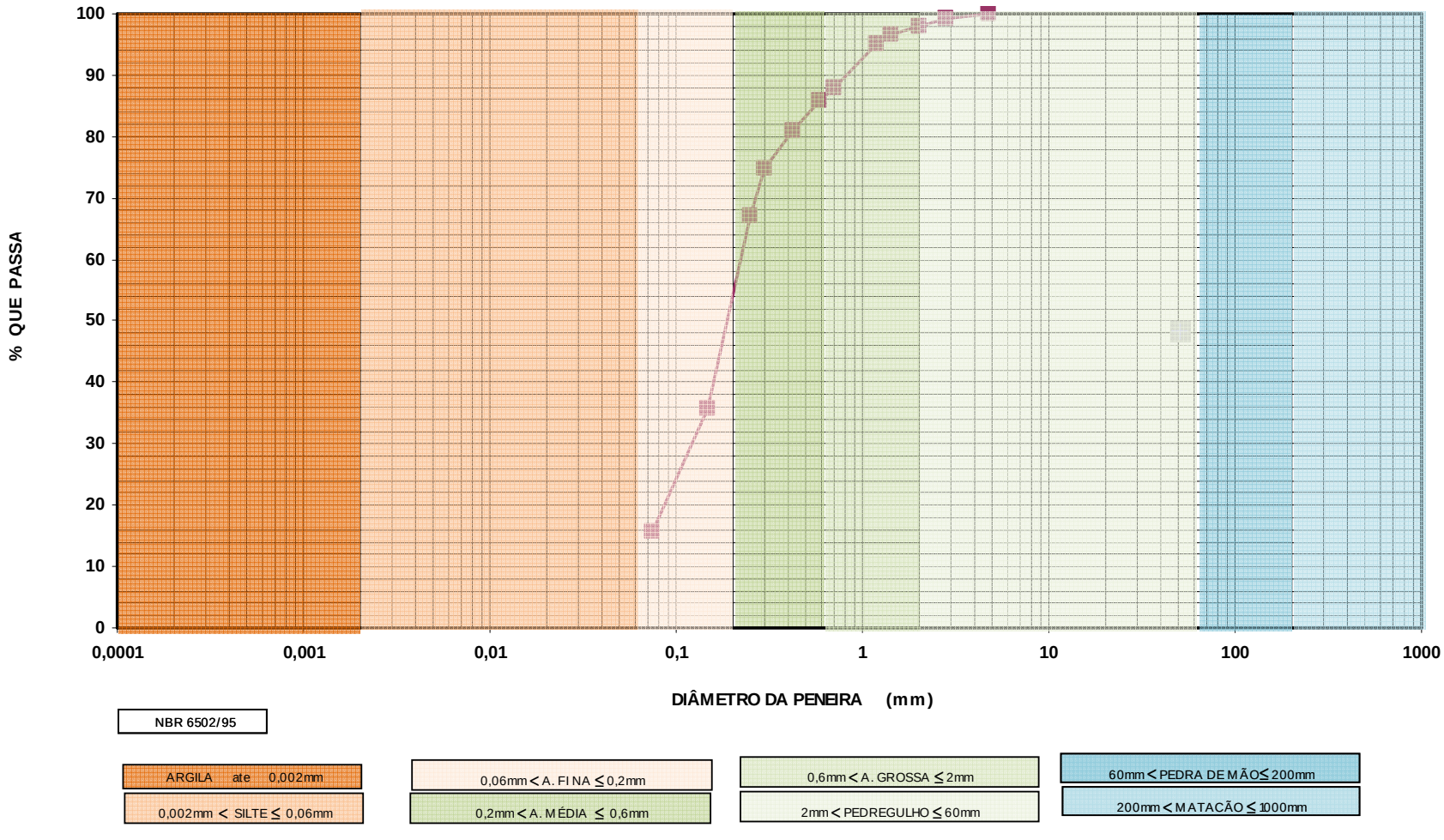
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		1,4	0,71	99,29	0,71
10	2,00	areia grossa	4,1	2,09	97,91	
14	1,41		6,5	3,31	96,69	
16	1,20		9,7	4,94	95,06	
25	0,71		23,6	12,02	87,98	11,31
30	0,59	areia média	27,8	14,16	85,84	
40	0,42		37,5	19,10	80,90	
50	0,297		49,7	25,32	74,68	
60	0,250		64,8	33,01	66,99	20,99
100	0,149	areia fina	126,1	64,24	35,76	
200	0,075		165,3	84,21	15,79	51,20
Fundo	0		196,3	100,00	0,00	15,79

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 15
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 16
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

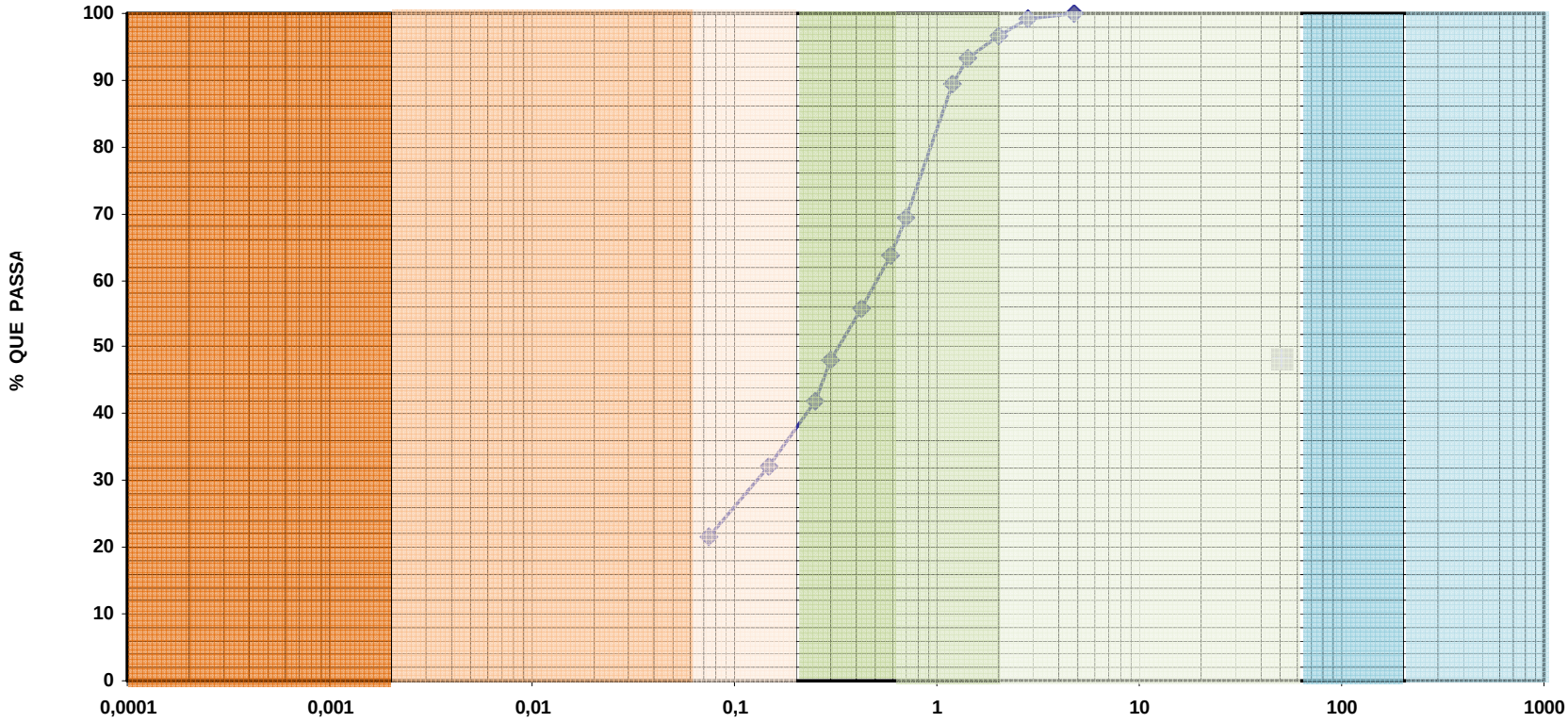
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		2,62	0,88	99,12	0,88
10	2,00	areia grossa	10,26	3,44	96,56	
14	1,41		19,85	6,65	93,35	
16	1,20		31,34	10,50	89,50	
25	0,71		91,63	30,71	69,29	29,83
30	0,59	areia média	108,1	36,23	63,77	
40	0,42		131,9	44,20	55,80	
50	0,297		154,9	51,91	48,09	
60	0,250		173,5	58,14	41,86	27,44
100	0,149	areia fina	202,5	67,86	32,14	
200	0,075		234,1	78,45	21,55	20,31
Fundo	0		298,4	100,00	0,00	21,55

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 16
Local: RIO XINGU
Data da coleta: 04/02/11



NBR 6502/95

ARGILA ate 0,002mm	0,06mm < A. FINA ≤ 0,2mm	0,6mm < A. GROSSA ≤ 2mm	60mm < PEDRA DE MÃO ≤ 200mm
0,002mm < SILTE ≤ 0,06mm	0,2mm < A. MÉDIA ≤ 0,6mm	2mm < PEDREGULHO ≤ 60mm	200mm < MATACÃO ≤ 1000mm

LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 17
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

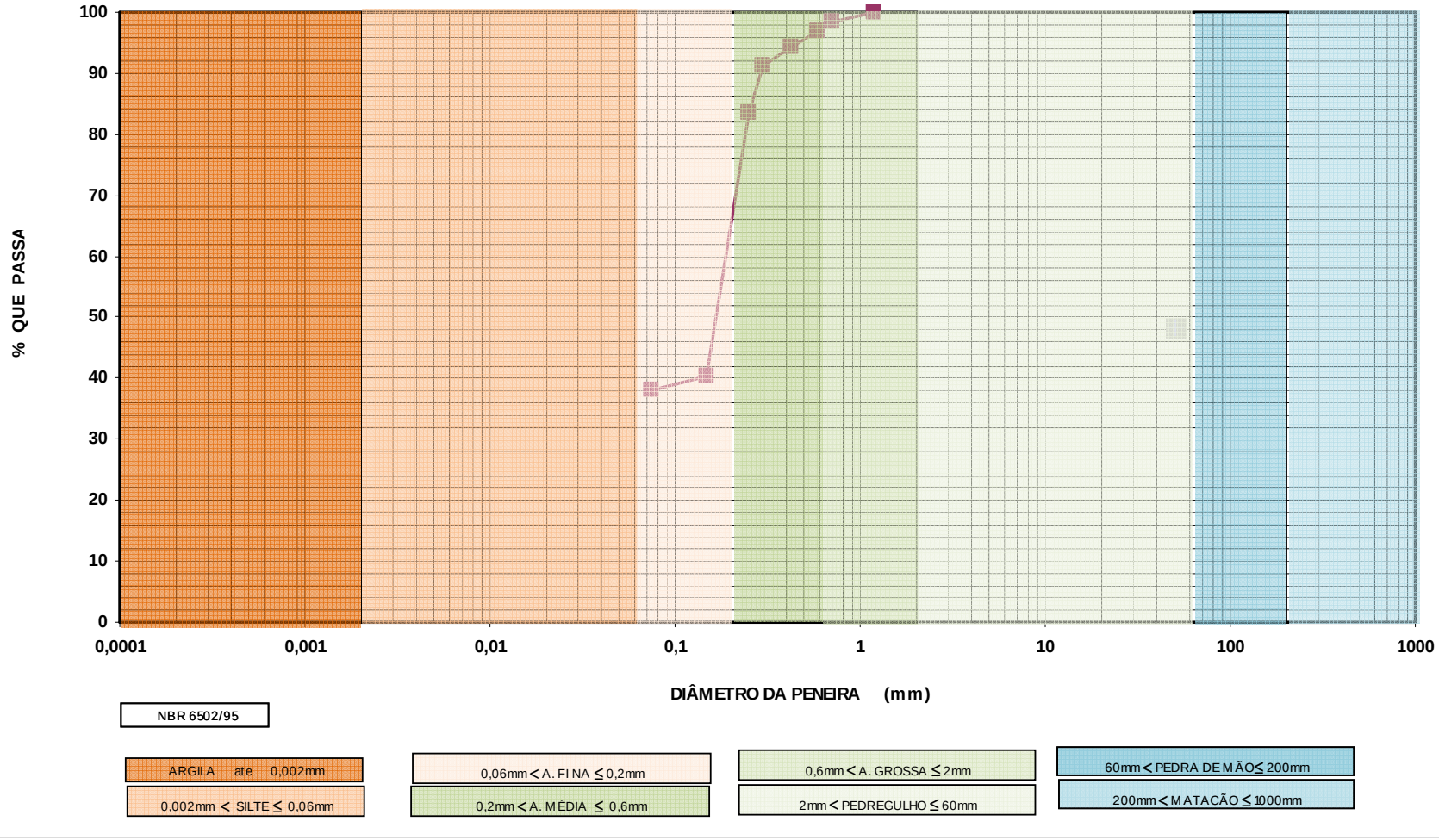
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		3,49	1,61	98,39	1,61
30	0,59	areia média	6,83	3,14	96,86	
40	0,42		12,19	5,61	94,39	
50	0,297		18,76	8,63	91,37	
60	0,250		35,51	16,34	83,66	14,74
100	0,149	areia fina	129,8	59,73	40,27	
200	0,075		134,8	62,03	37,97	45,69
Fundo	0		217,3	100,00	0,00	37,97

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 17
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 18
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41		0	0,00	100,00	
16	1,20		2,87	0,91	99,09	
25	0,71		25,28	8,03	91,97	8,03
30	0,59	areia média	31,53	10,02	89,98	
40	0,42		43,68	13,88	86,12	
50	0,297		60,46	19,21	80,79	
60	0,250		73,21	23,26	76,74	15,23
100	0,149	areia fina	150,2	47,73	52,27	
200	0,075		161,4	51,29	48,71	28,02
Fundo	0		314,7	100,00	0,00	48,71

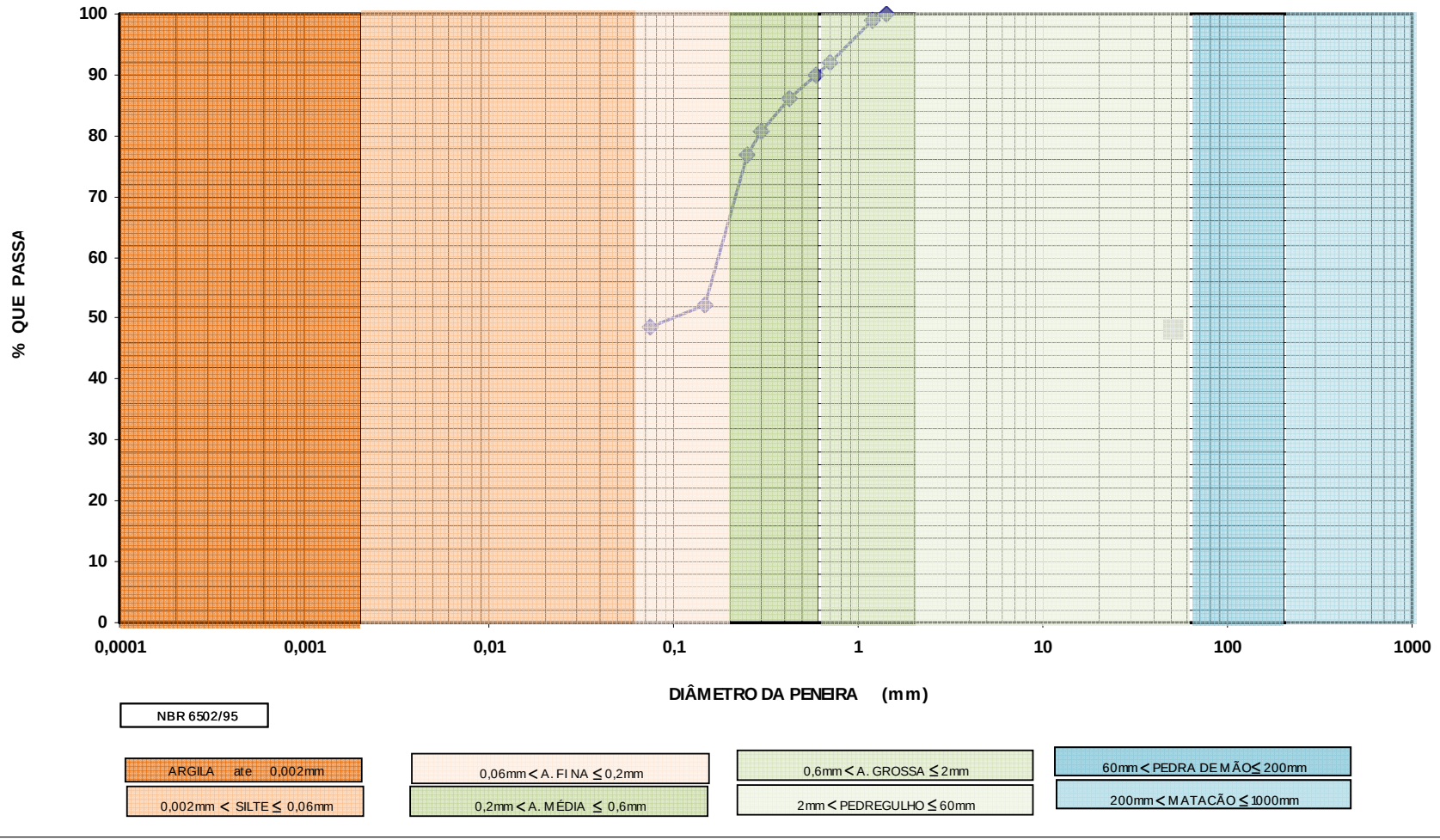
Obs.:

LEME

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 18
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 19
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

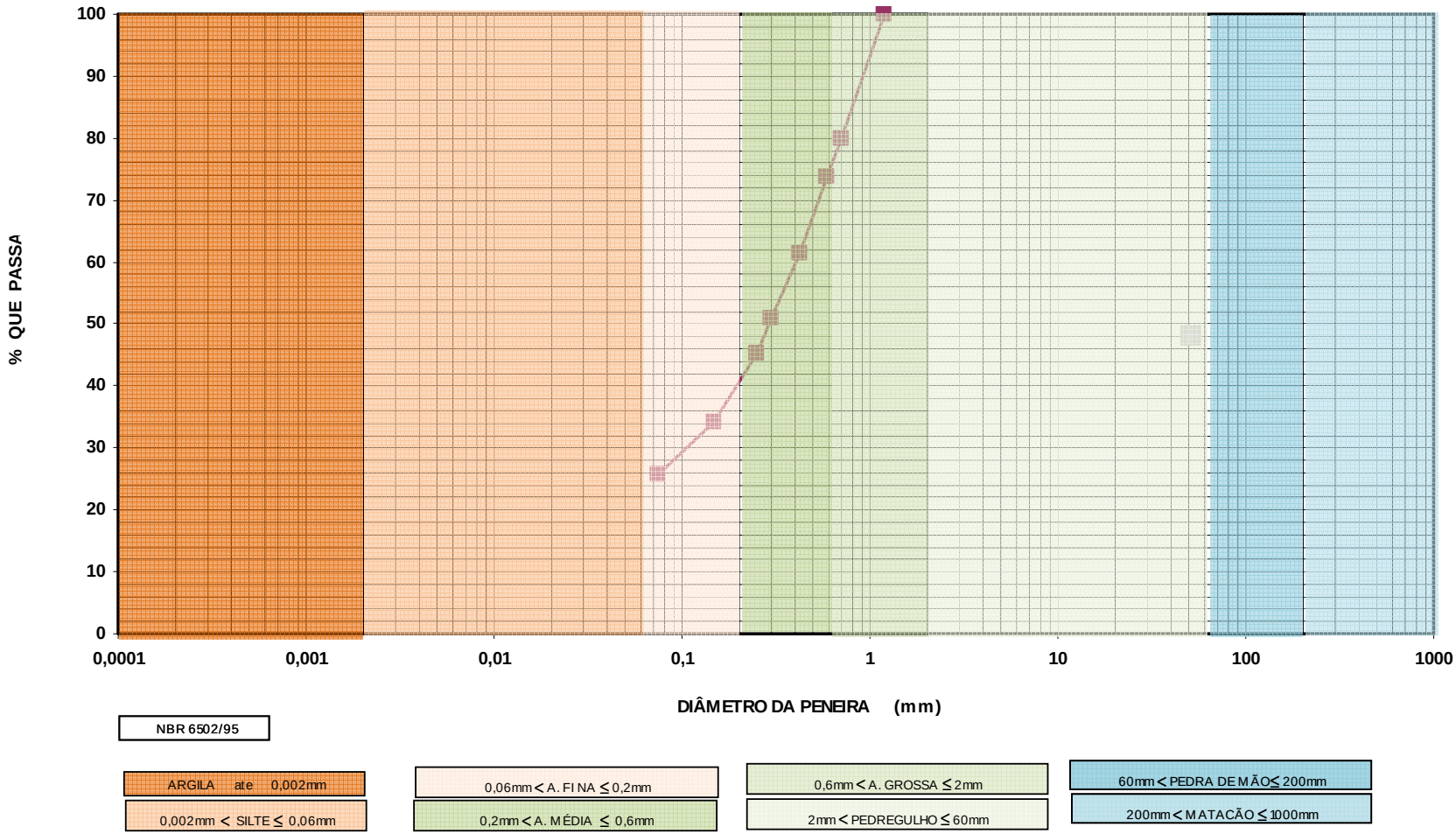
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		44,6	20,08	79,92	20,08
30	0,59	areia média	58,4	26,29	73,71	
40	0,42		85,8	38,63	61,37	
50	0,297		109,2	49,17	50,83	
60	0,250		121,8	54,84	45,16	34,76
100	0,149	areia fina	145,9	65,69	34,31	
200	0,075		164,9	74,25	25,75	19,41
Fundo	0		222,1	100,00	0,00	25,75

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 19
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 20
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

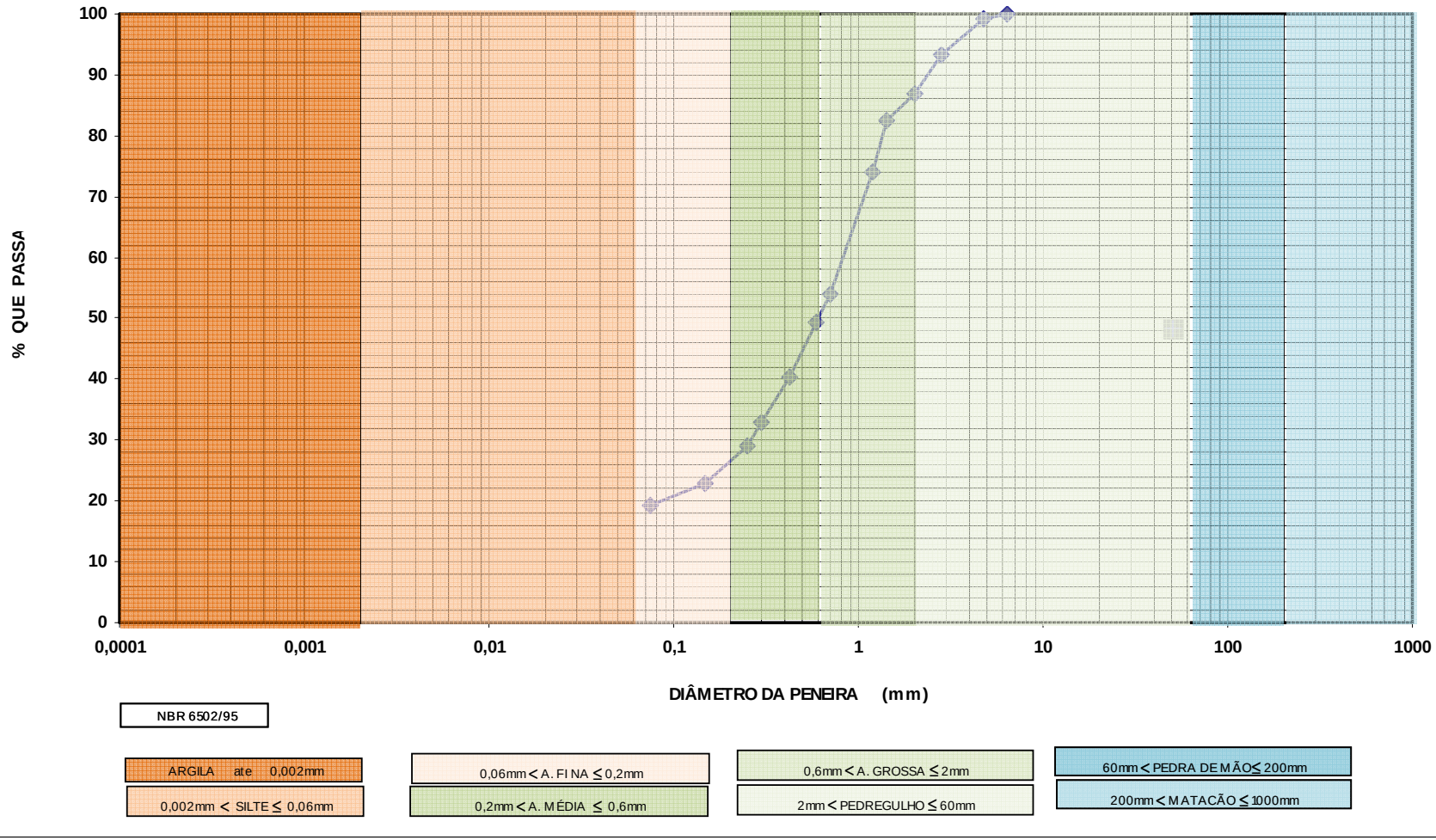
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35		0	0,00	100,00	
4	4,76		2,3	0,88	99,12	
7	2,83		17,8	6,81	93,19	6,81
10	2,00	areia grossa	34,1	13,05	86,95	
14	1,41		45,6	17,45	82,55	
16	1,20		68,1	26,06	73,94	
25	0,71		120,1	45,96	54,04	39,15
30	0,59	areia média	132,5	50,71	49,29	
40	0,42		155,6	59,55	40,45	
50	0,297		175,1	67,01	32,99	
60	0,250		185,3	70,91	29,09	24,95
100	0,149	areia fina	201,7	77,19	22,81	
200	0,075		211,2	80,83	19,17	9,91
Fundo	0		261,3	100,00	0,00	19,17

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 20
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 21
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		12,6	7,97	92,03	7,97
30	0,59	areia média	17,1	10,82	89,18	
40	0,42		26,9	17,01	82,99	
50	0,297		37,7	23,85	76,15	
60	0,250		44,4	28,08	71,92	20,11
100	0,149	areia fina	57,6	36,43	63,57	
200	0,075		76,8	48,58	51,42	20,49
Fundo	0		158,1	100,00	0,00	51,42

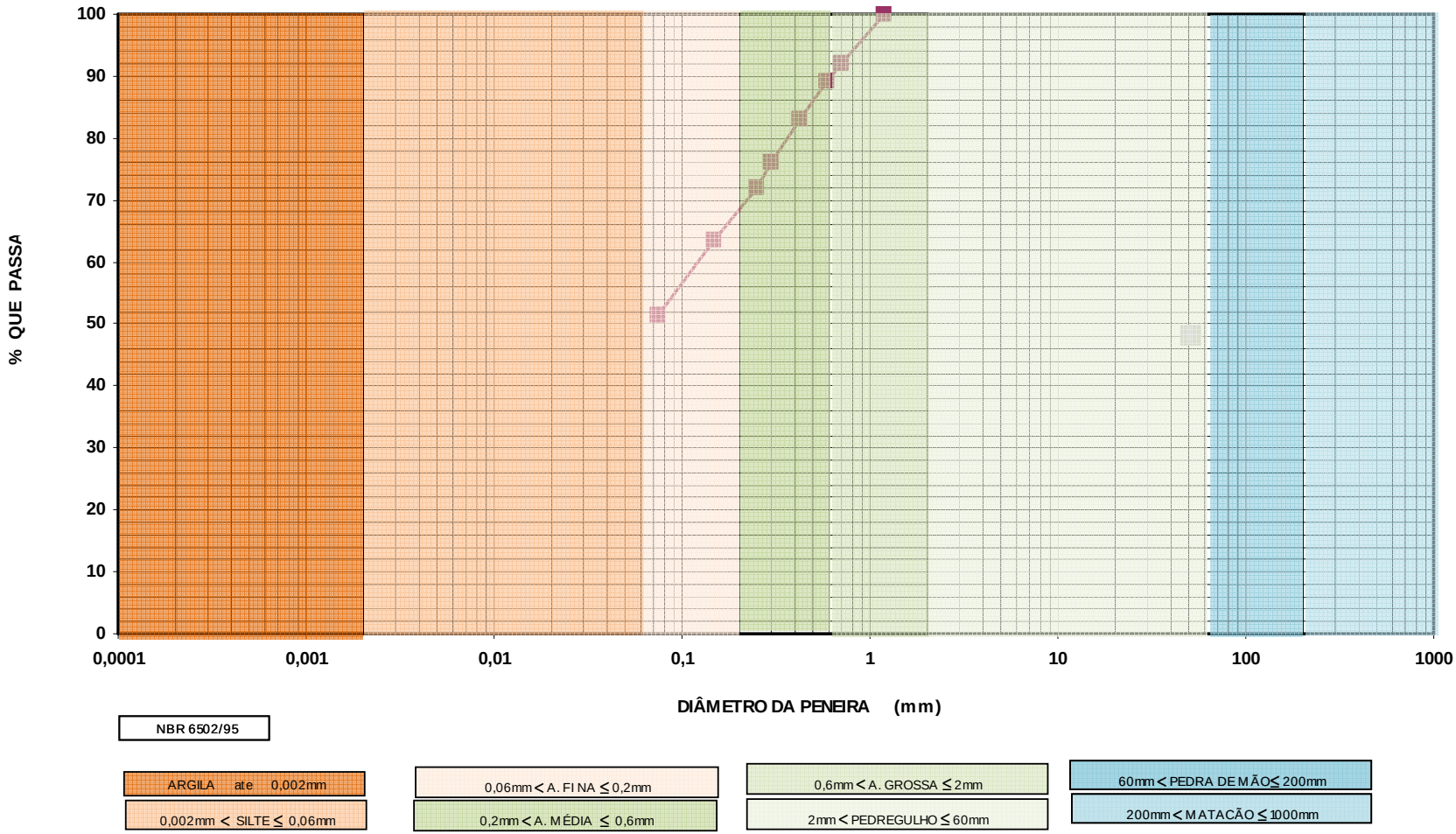
Obs.:

LEME

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 21
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 21 A
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

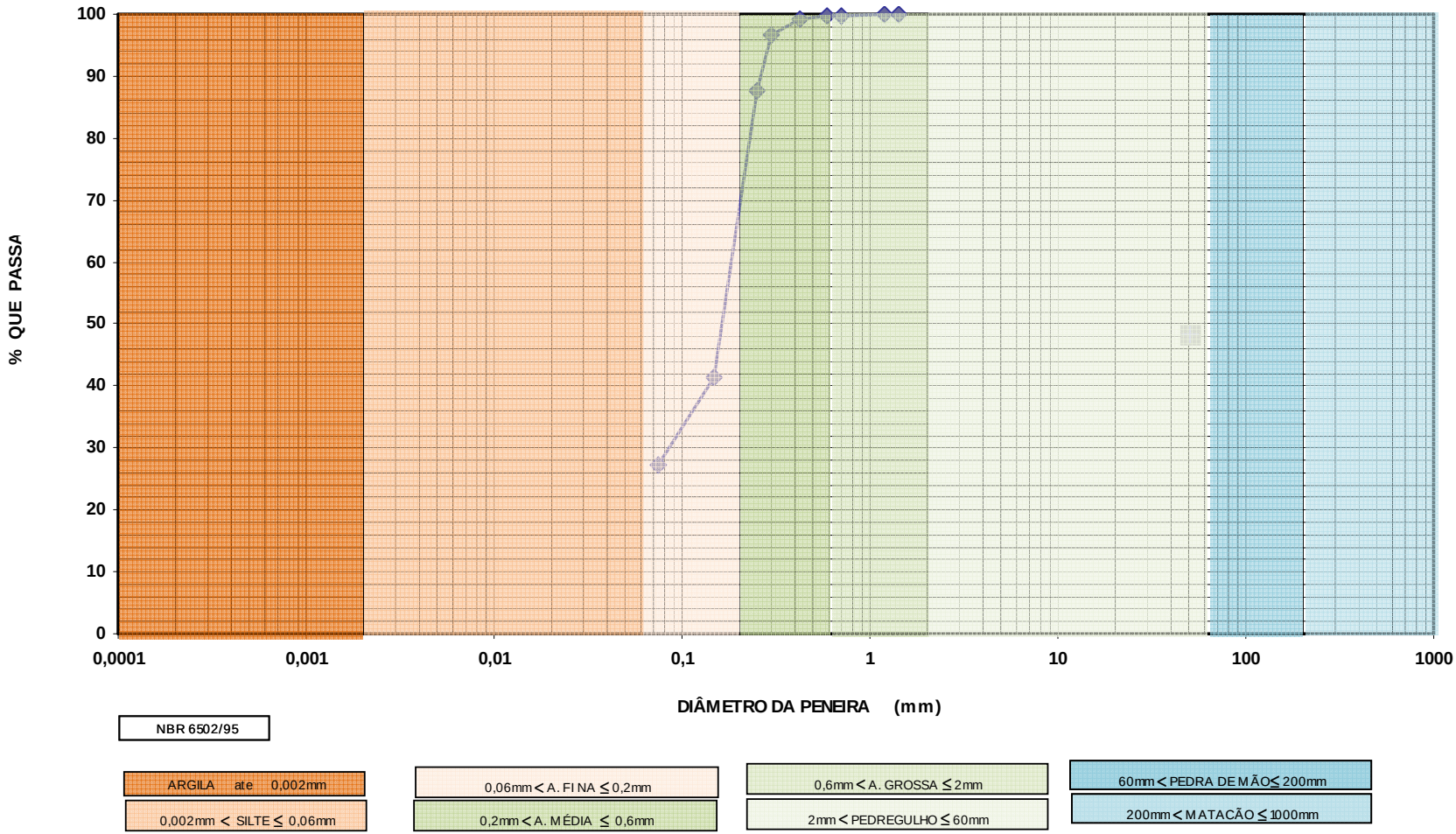
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41		0	0,00	100,00	
16	1,20		0,65	0,12	99,88	
25	0,71		1,52	0,29	99,71	0,29
30	0,59	areia média	1,99	0,38	99,62	
40	0,42		3,82	0,73	99,27	
50	0,297		16,95	3,22	96,78	
60	0,250		64,55	12,28	87,72	11,99
100	0,149	areia fina	308,2	58,64	41,36	
200	0,075		382,1	72,70	27,30	60,42
Fundo	0		525,6	100,00	0,00	27,30

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 21 A
Local: RIO XINGU
Data da coleta: 04/02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 22
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

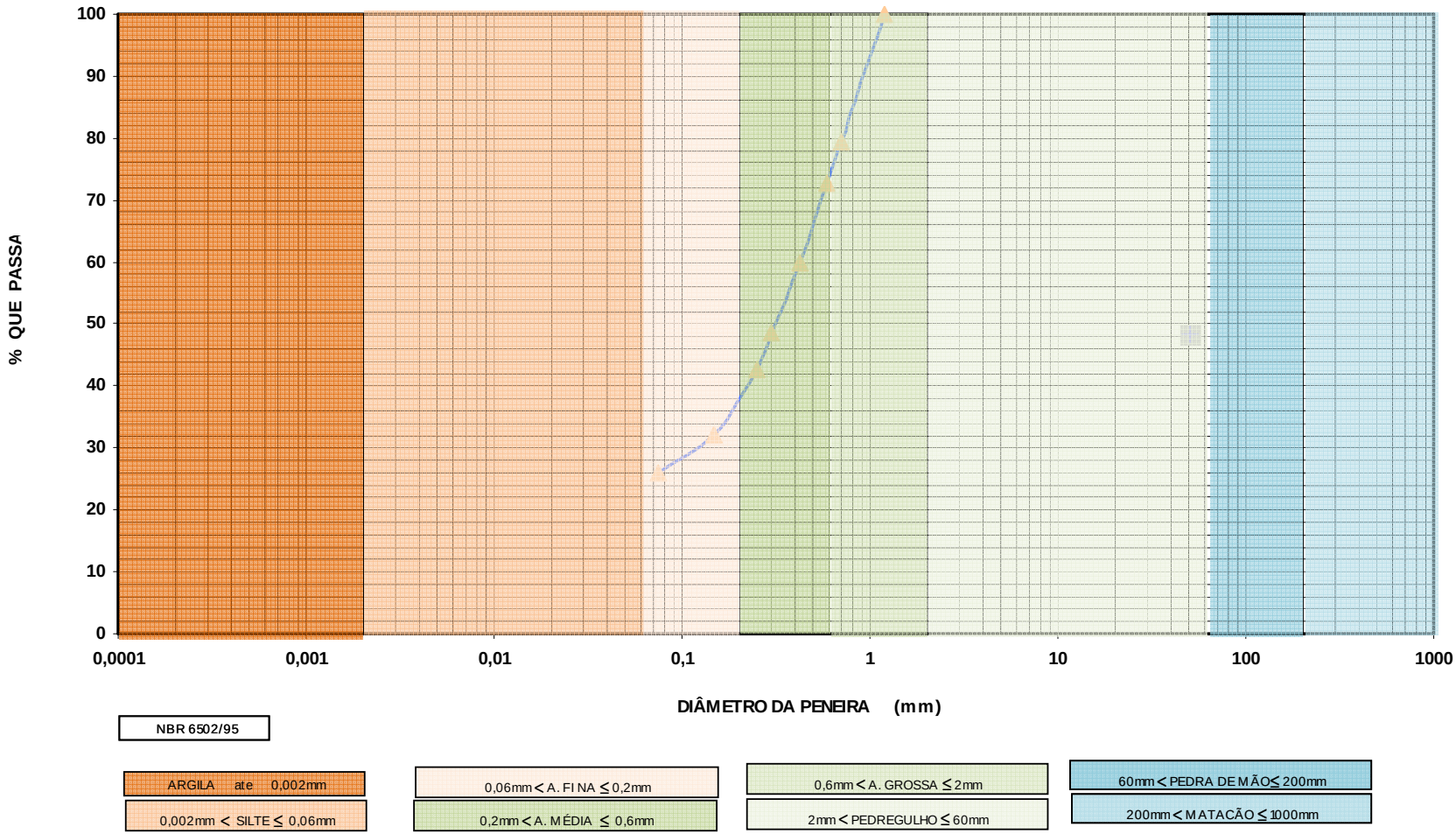
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		32,4	20,69	79,31	20,69
30	0,59	areia média	42,6	27,20	72,80	
40	0,42		62,9	40,17	59,83	
50	0,297		80,5	51,40	48,60	
60	0,250		89,8	57,34	42,66	36,65
100	0,149	areia fina	106,4	67,94	32,06	
200	0,075		115,9	74,01	25,99	16,67
Fundo	0		156,6	100,00	0,00	25,99

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 22
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 23
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

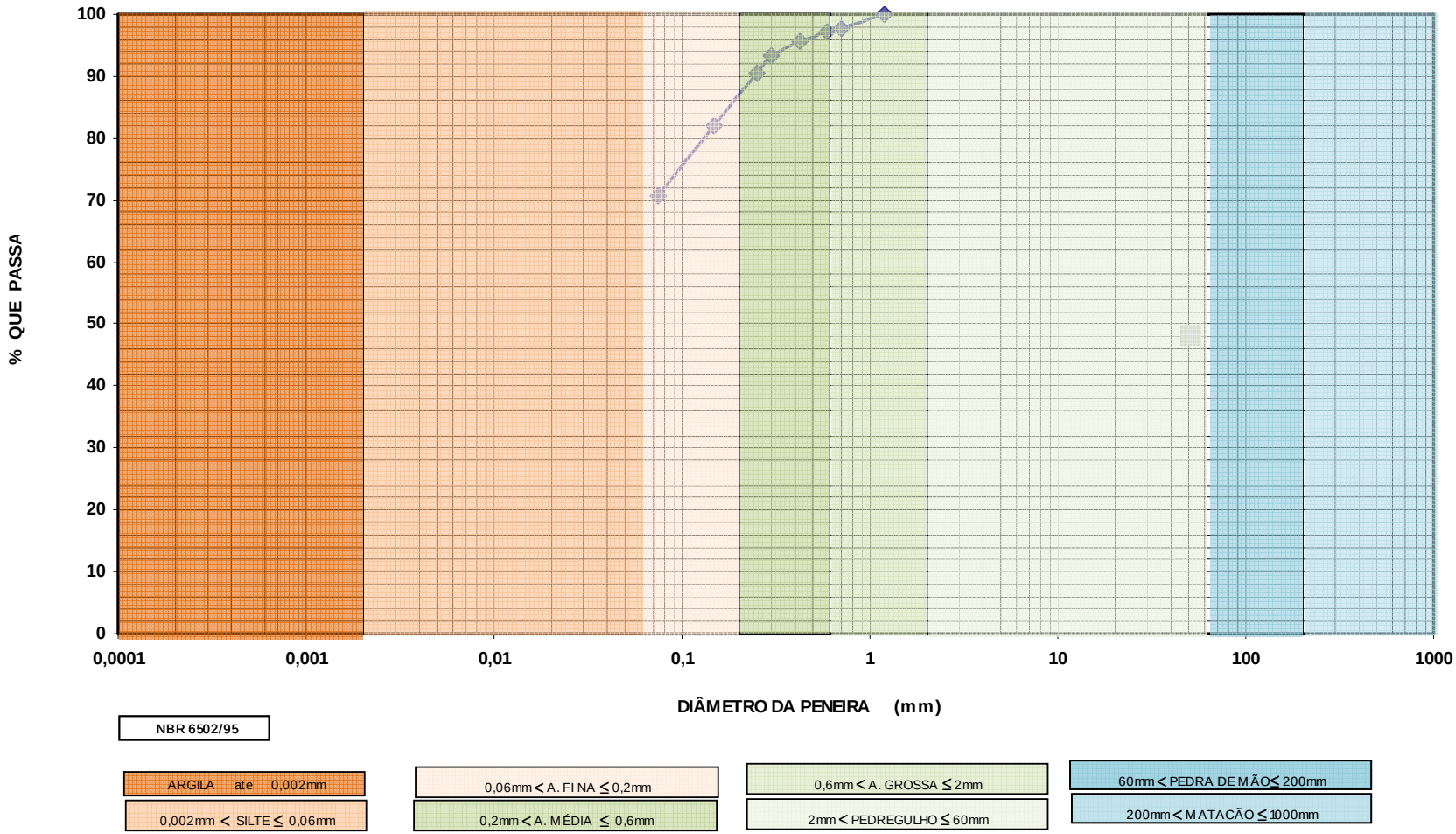
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		6,45	2,19	97,81	2,19
30	0,59	areia média	7,98	2,71	97,29	
40	0,42		12,8	4,34	95,66	
50	0,297		19,67	6,67	93,33	
60	0,250		27,86	9,44	90,56	7,26
100	0,149	areia fina	53,05	17,98	82,02	
200	0,075		86,65	29,37	70,63	19,93
Fundo	0		295	100,00	0,00	70,63

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 23
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 24
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

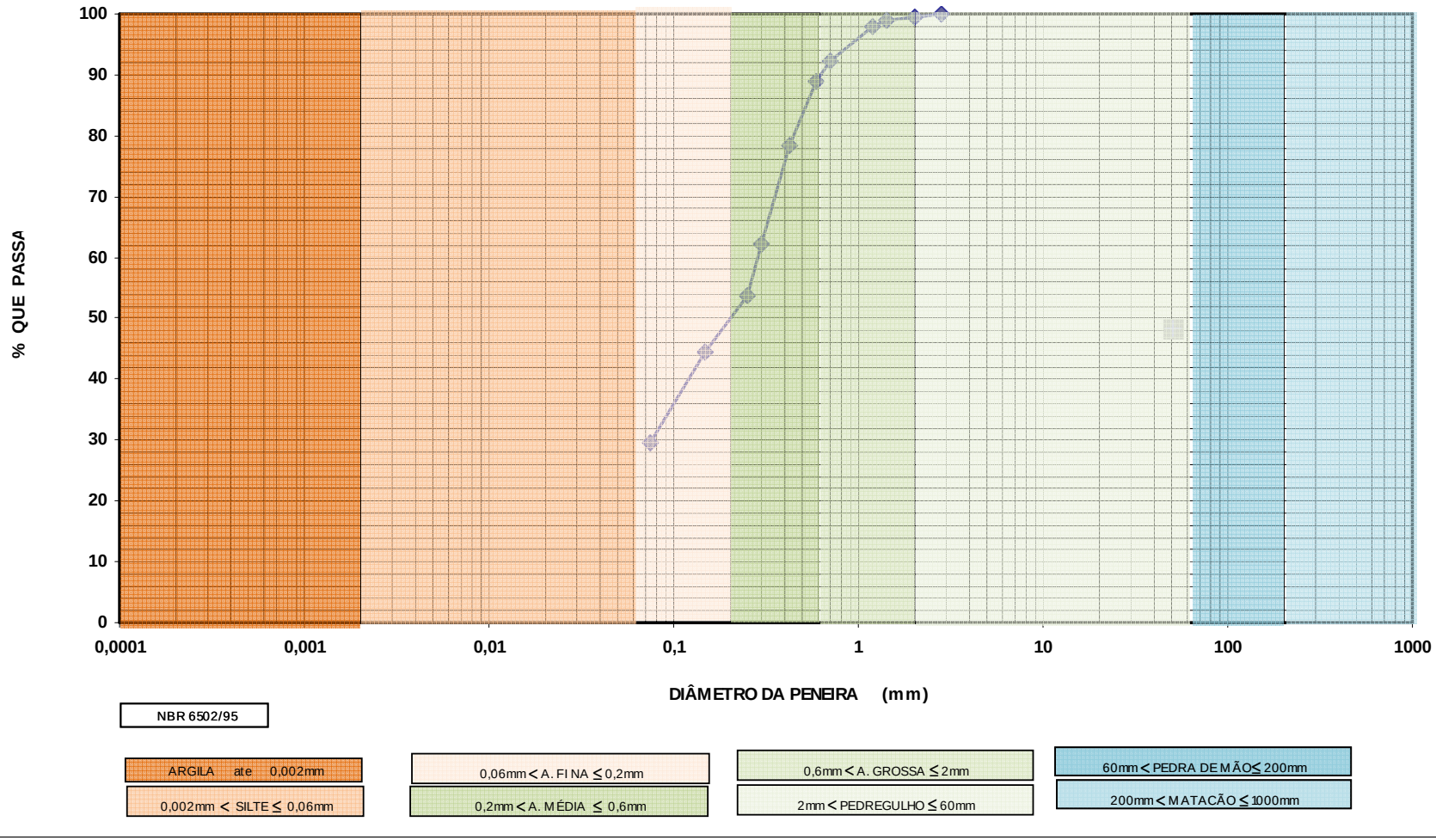
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83		0	0,00	100,00	0,00
10	2,00	areia grossa	1,7	0,46	99,54	
14	1,41		3,4	0,92	99,08	
16	1,20		7,3	1,97	98,03	
25	0,71		28,7	7,73	92,27	7,73
30	0,59	areia média	40,6	10,93	89,07	
40	0,42		80,3	21,62	78,38	
50	0,297		140,5	37,82	62,18	
60	0,250		172,2	46,35	53,65	38,63
100	0,149	areia fina	206,7	55,64	44,36	
200	0,075		261,4	70,36	29,64	24,01
Fundo	0		371,5	100,00	0,00	29,64

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 24
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 24 A
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

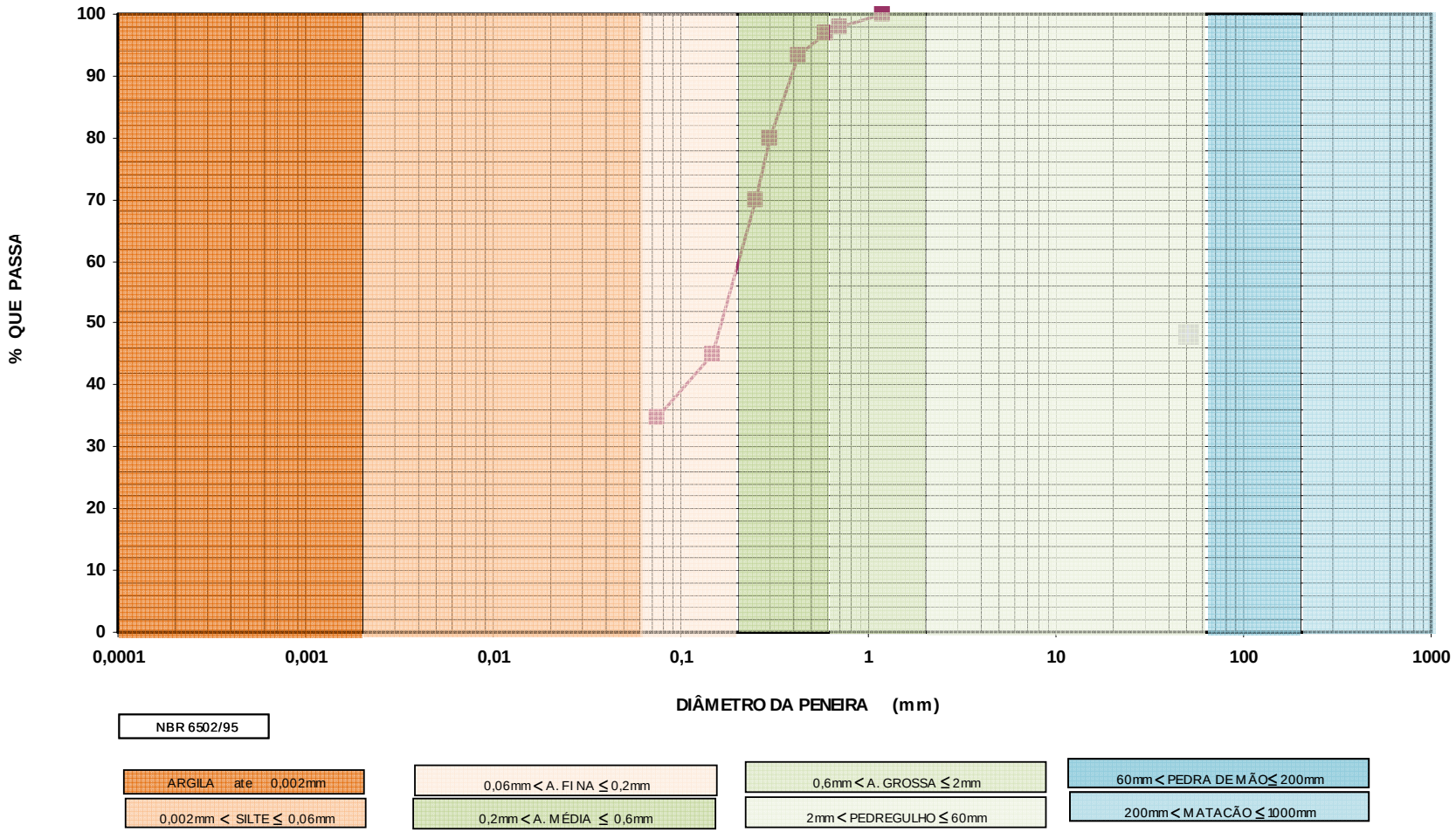
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		5,41	1,93	98,07	1,93
30	0,59	areia média	8,85	3,16	96,84	
40	0,42		18,61	6,64	93,36	
50	0,297		56,06	19,99	80,01	
60	0,250		84,43	30,11	69,89	28,18
100	0,149	areia fina	154,1	54,96	45,04	
200	0,075		183,2	65,34	34,66	35,22
Fundo	0		280,4	100,00	0,00	34,66

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 24 A
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 25
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

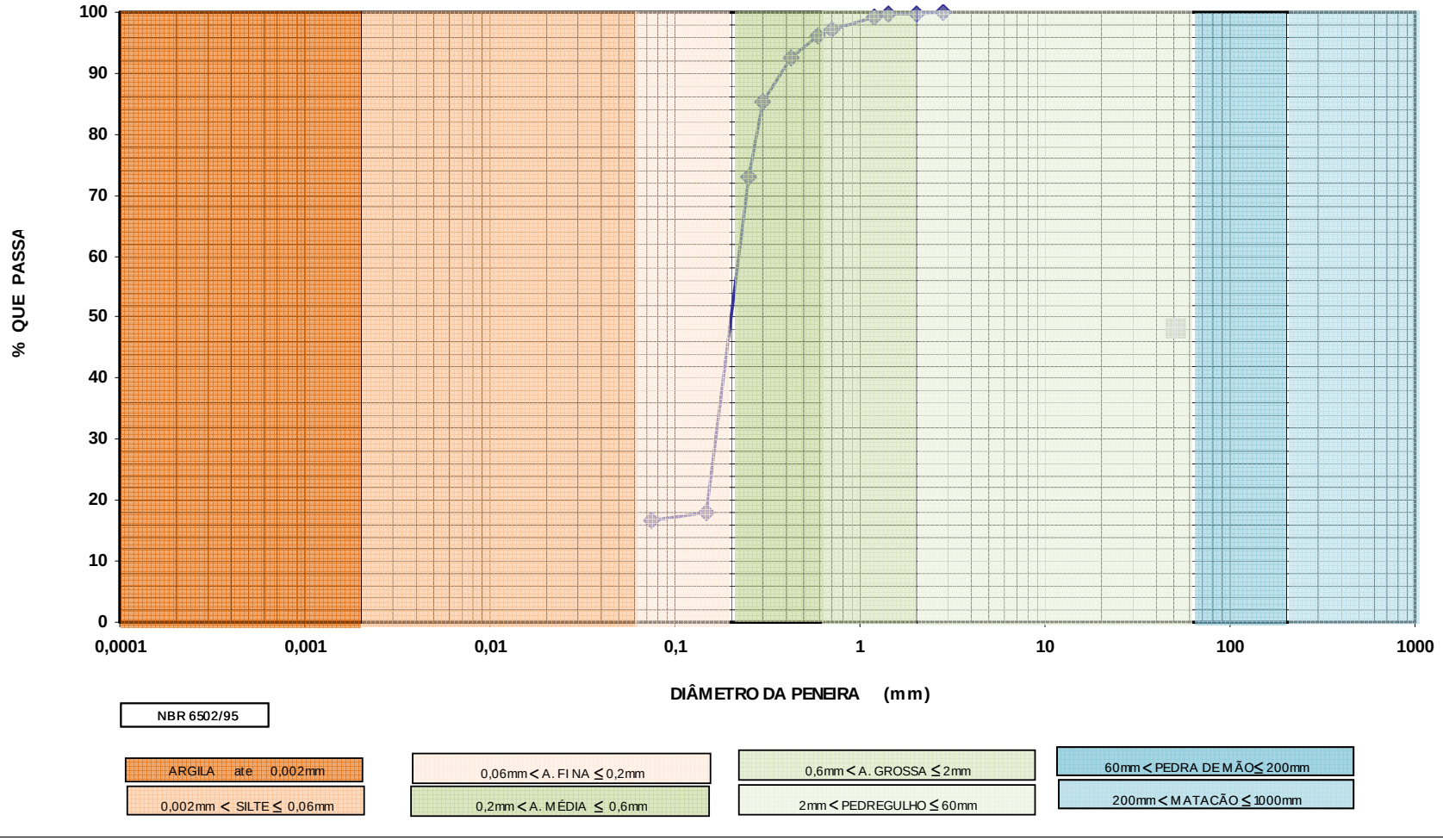
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83		0	0,00	100,00	0,00
10	2,00	areia grossa	0,52	0,13	99,87	
14	1,41		1,33	0,33	99,67	
16	1,20		2,57	0,64	99,36	
25	0,71		11,37	2,85	97,15	2,85
30	0,59	areia média	15,14	3,80	96,20	
40	0,42		29,38	7,37	92,63	
50	0,297		58,39	14,64	85,36	
60	0,250		108,1	27,10	72,90	24,25
100	0,149	areia fina	327,3	82,05	17,95	
200	0,075		332,5	83,35	16,65	56,25
Fundo	0		398,9	100,00	0,00	16,65

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 25
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 26
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

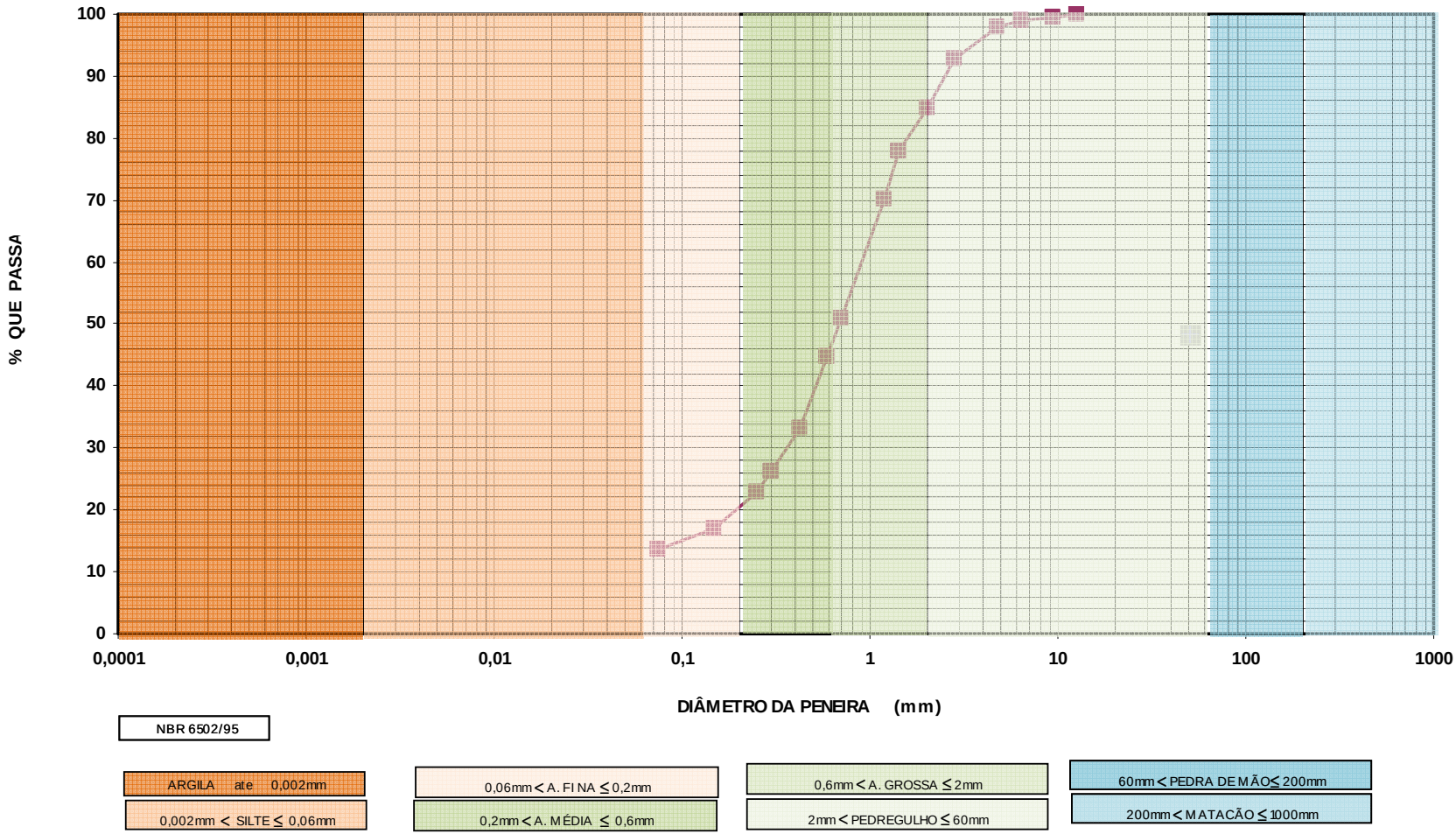
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7		0	0,00	100,00	
3/8"	9,52		2,8	0,49	99,51	
3	6,35		5,3	0,93	99,07	
4	4,76		11,4	2,00	98,00	
7	2,83		40,8	7,14	92,86	7,14
10	2,00	areia grossa	85,9	15,04	84,96	
14	1,41		126,2	22,10	77,90	
16	1,20		170,9	29,92	70,08	
25	0,71		280,5	49,12	50,88	41,97
30	0,59	areia média	315,3	55,21	44,79	
40	0,42		381,4	66,78	33,22	
50	0,297		421,2	73,75	26,25	
60	0,250		440,3	77,10	22,90	27,98
100	0,149	areia fina	474,3	83,05	16,95	
200	0,075		492,8	86,29	13,71	9,19
Fundo	0		571,1	100,00	0,00	13,71

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 26
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 27
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

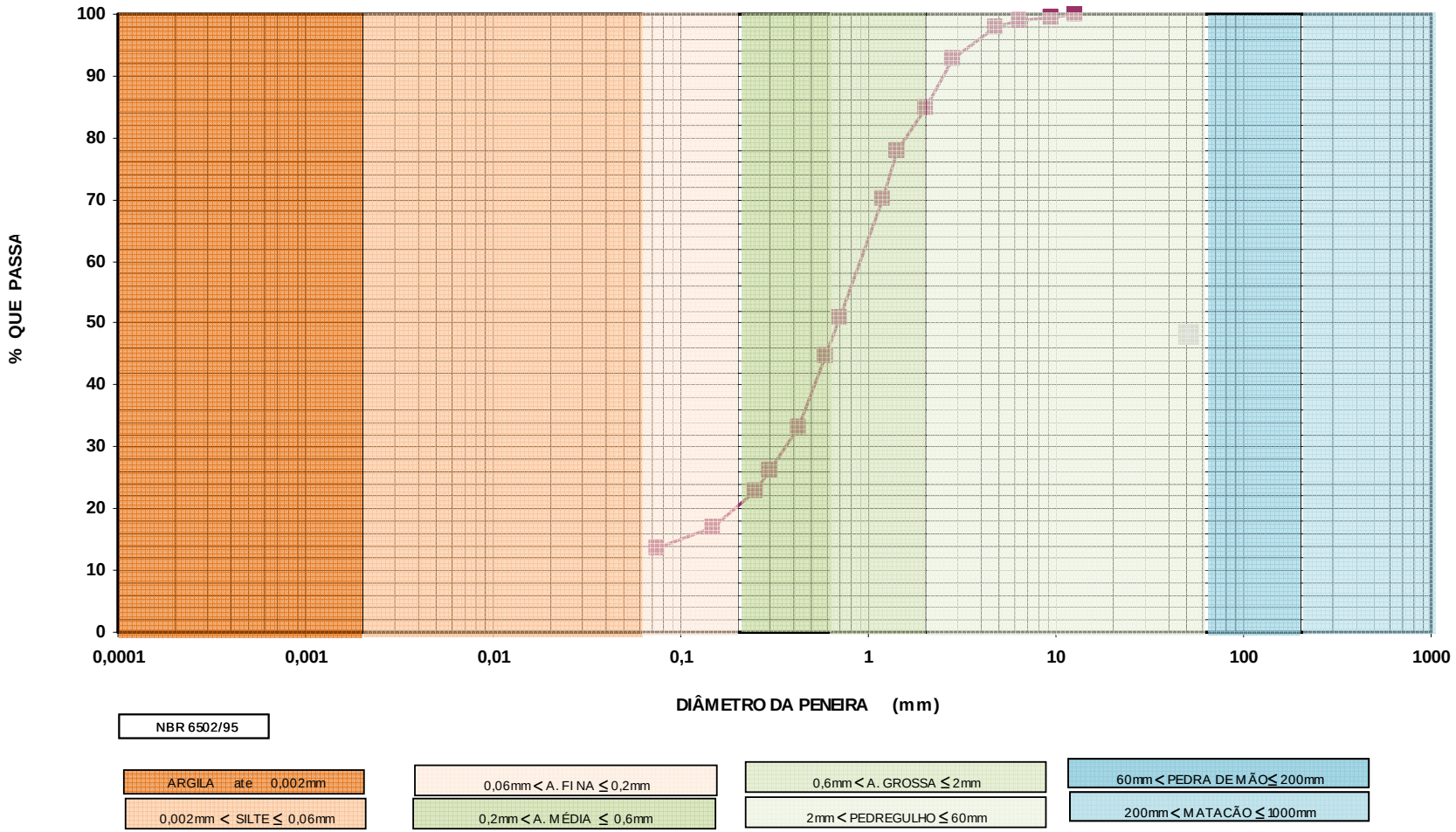
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		1,6	0,30	99,70	0,30
10	2,00	areia grossa	10,5	2,00	98,00	
14	1,41		27,1	5,15	94,85	
16	1,20		50,2	9,54	90,46	
25	0,71		114,5	21,76	78,24	21,46
30	0,59	areia média	136,2	25,89	74,11	
40	0,42		194	36,88	63,12	
50	0,297		286,6	54,48	45,52	
60	0,250		374,3	71,15	28,85	49,38
100	0,149	areia fina	505	95,99	4,01	
200	0,075		516,8	98,23	1,77	27,09
Fundo	0		526,1	100,00	0,00	1,77

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 27
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: SEÇÃO 28
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

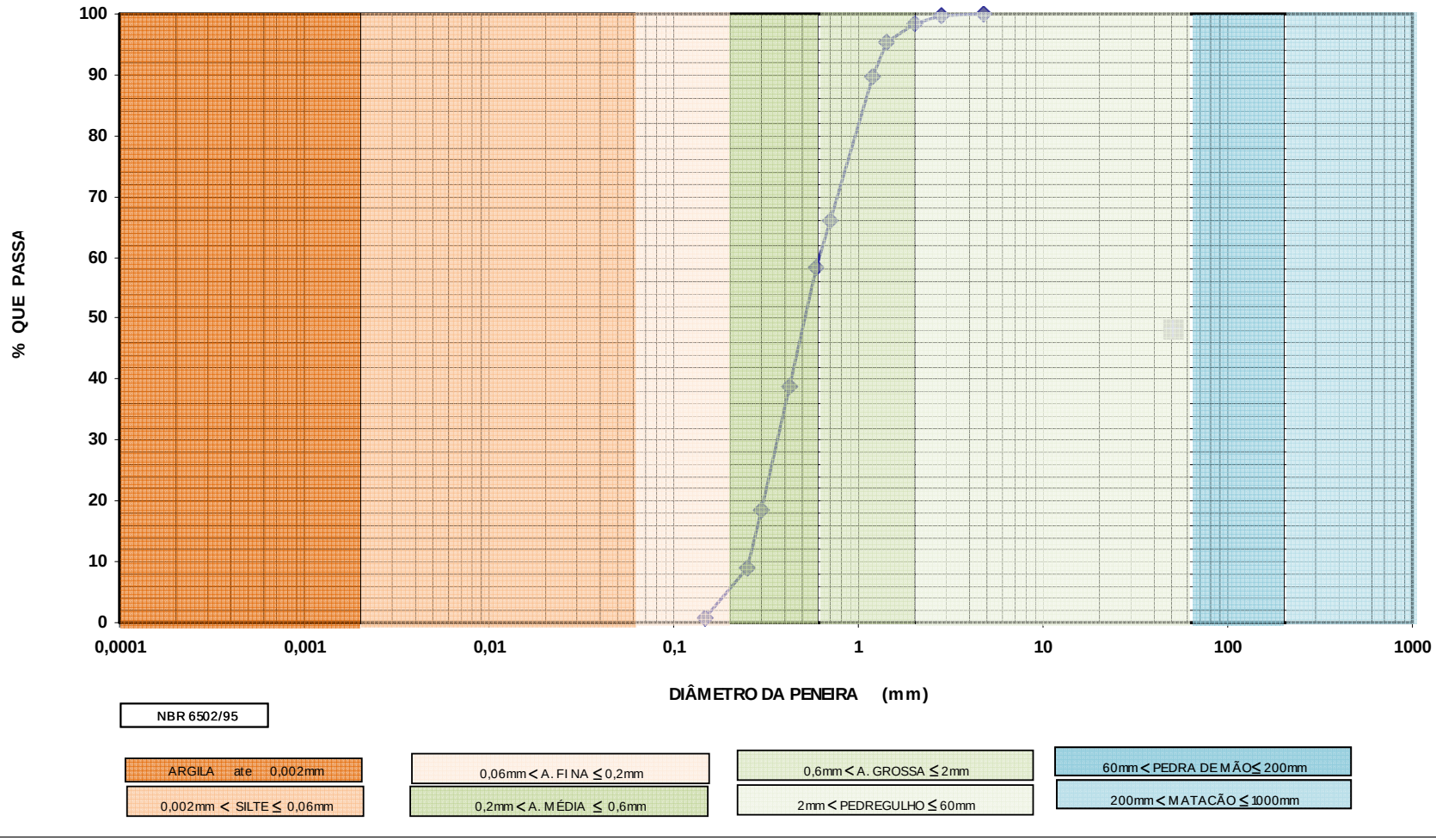
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		1,02	0,32	99,68	0,32
10	2,00	areia grossa	4,92	1,52	98,48	
14	1,41		14,73	4,55	95,45	
16	1,20		33,21	10,26	89,74	
25	0,71		109,5	33,82	66,18	33,50
30	0,59	areia média	134,9	41,66	58,34	
40	0,42		198,1	61,18	38,82	
50	0,297		264	81,53	18,47	
60	0,250		294,3	90,89	9,11	57,07
100	0,149	areia fina	321	99,14	0,86	
200	0,075					8,25
Fundo	0		323,8	100,00	0,00	0,86

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: SEÇÃO 28
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

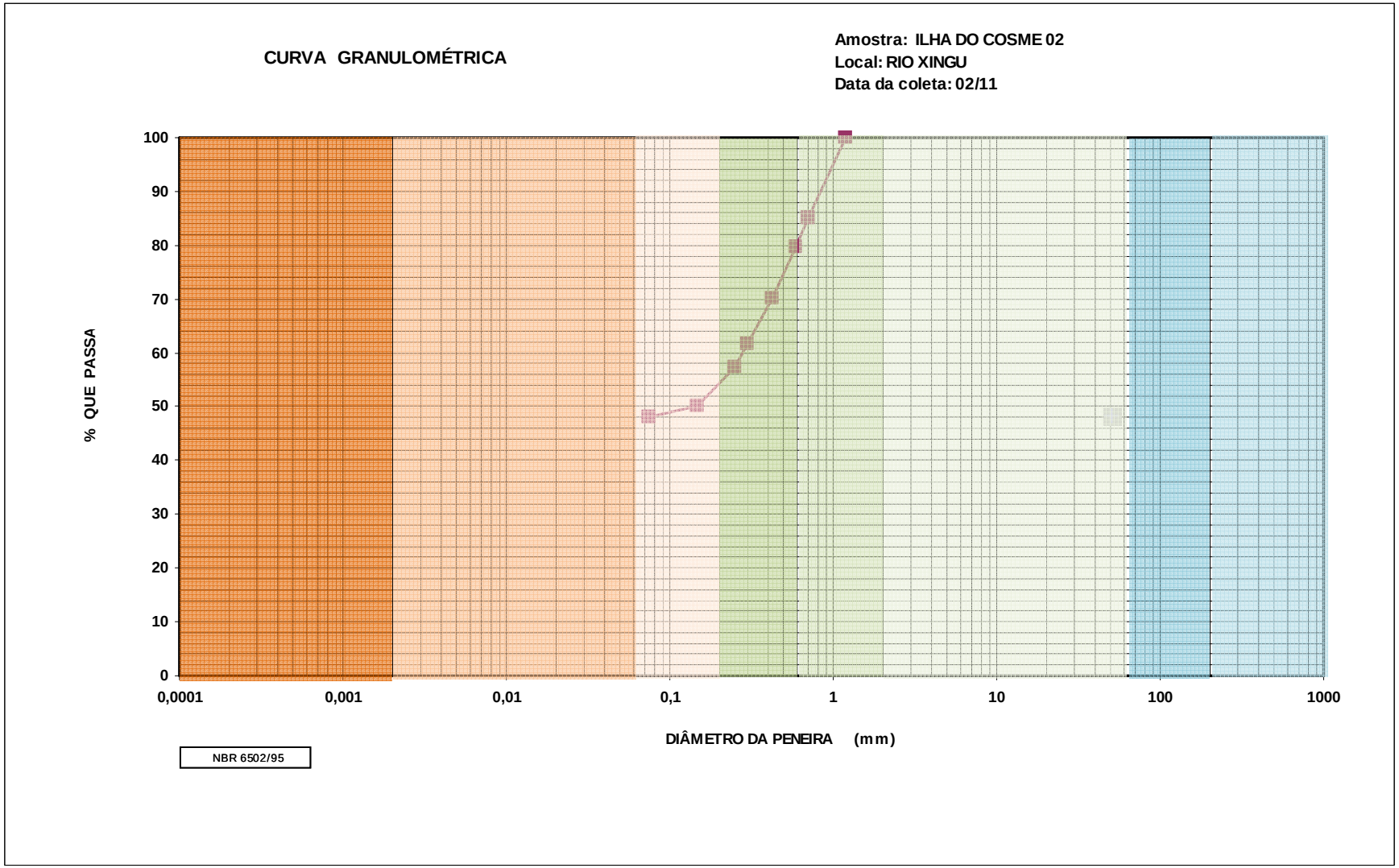
AMOSTRA: ILHA DO COSME 02
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		25,3	14,91	85,09	14,91
30	0,59	areia média	34,4	20,27	79,73	
40	0,42		50,7	29,88	70,12	
50	0,297		64,8	38,19	61,81	
60	0,250		72,2	42,55	57,45	27,64
100	0,149	areia fina	84,8	49,97	50,03	
200	0,075		88,3	52,03	47,97	9,49
Fundo	0		169,7	100,00	0,00	47,97

Obs.:

LEME

Norte Energia



Norte Energia

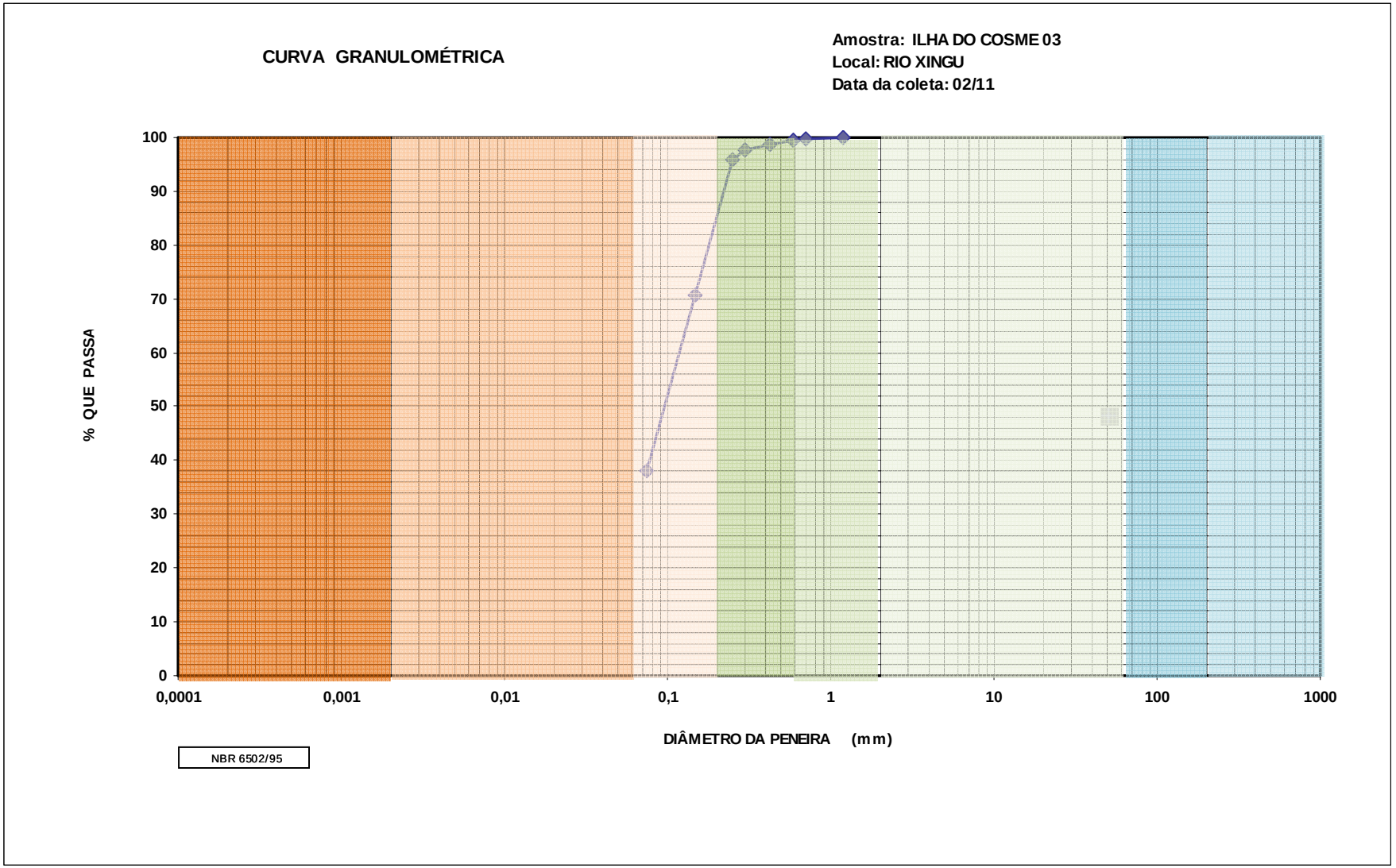
GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: ILHA DO COSME 03
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0,0	0,00	100,00	
25	0,71		1,2	0,38	99,62	0,38
30	0,59	areia média	1,7	0,54	99,46	
40	0,42		3,8	1,22	98,78	
50	0,297		7,2	2,30	97,70	
60	0,250		13,0	4,16	95,84	3,78
100	0,149	areia fina	91,6	29,32	70,68	
200	0,075		193,2	61,84	38,16	57,68
Fundo	0		312,4	100,00	0,00	38,16

Obs.:

Norte Energia



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: ILHA DO COSME 04
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

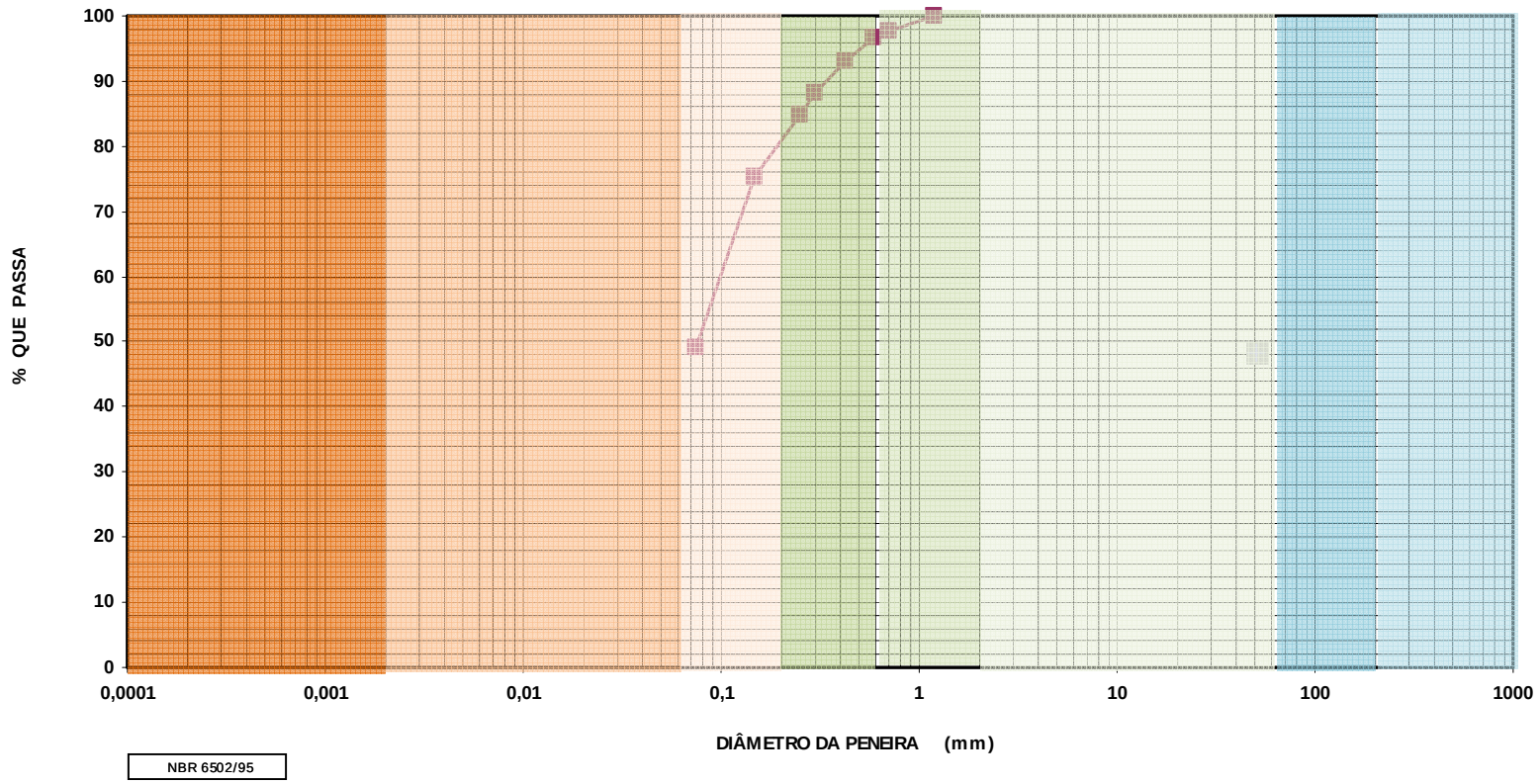
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		6,4	2,26	97,74	2,26
30	0,59	areia média	9,8	3,46	96,54	
40	0,42		19,7	6,95	93,05	
50	0,297		33,4	11,79	88,21	
60	0,250		43,2	15,24	84,76	12,99
100	0,149	areia fina	69,6	24,56	75,44	
200	0,075		144,4	50,95	49,05	35,71
Fundo	0		283,4	100,00	0,00	49,05

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: ILHA DO COSME 04
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

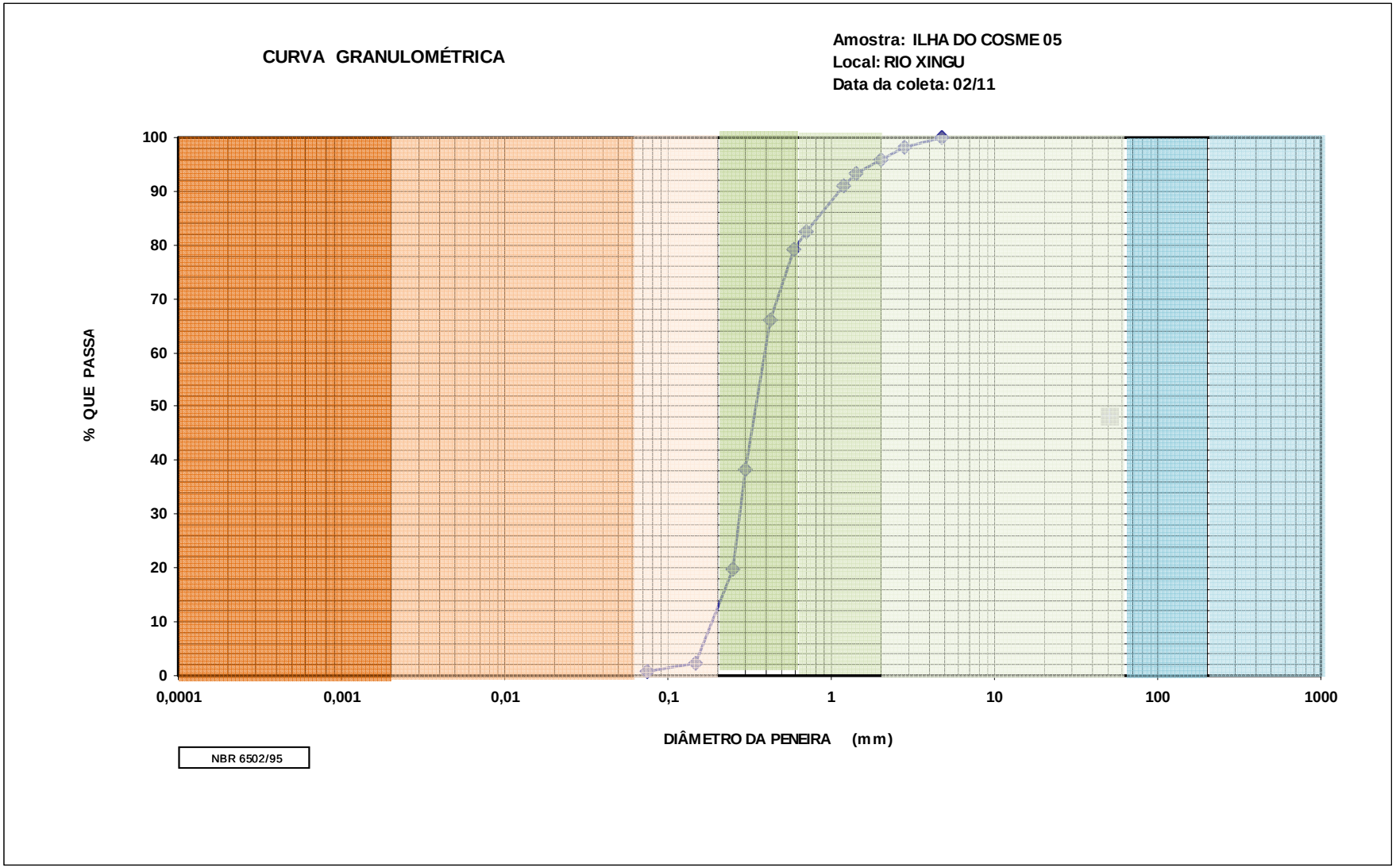
GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: ILHA DO COSME 05
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		7,5	1,82	98,18	1,82
10	2,00	areia grossa	16,9	4,11	95,89	
14	1,41		27,2	6,61	93,39	
16	1,20		37,4	9,09	90,91	
25	0,71		71,7	17,42	82,58	15,60
30	0,59	areia média	86,2	20,94	79,06	
40	0,42		139,6	33,92	66,08	
50	0,297		253,7	61,64	38,36	
60	0,250		329,8	80,13	19,87	62,71
100	0,149	areia fina	402,3	97,74	2,26	
200	0,075		408,7	99,30	0,70	19,17
Fundo	0		411,6	100,00	0,00	0,70

Obs.:

Norte Energia



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: ILHA DO COSME 06
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

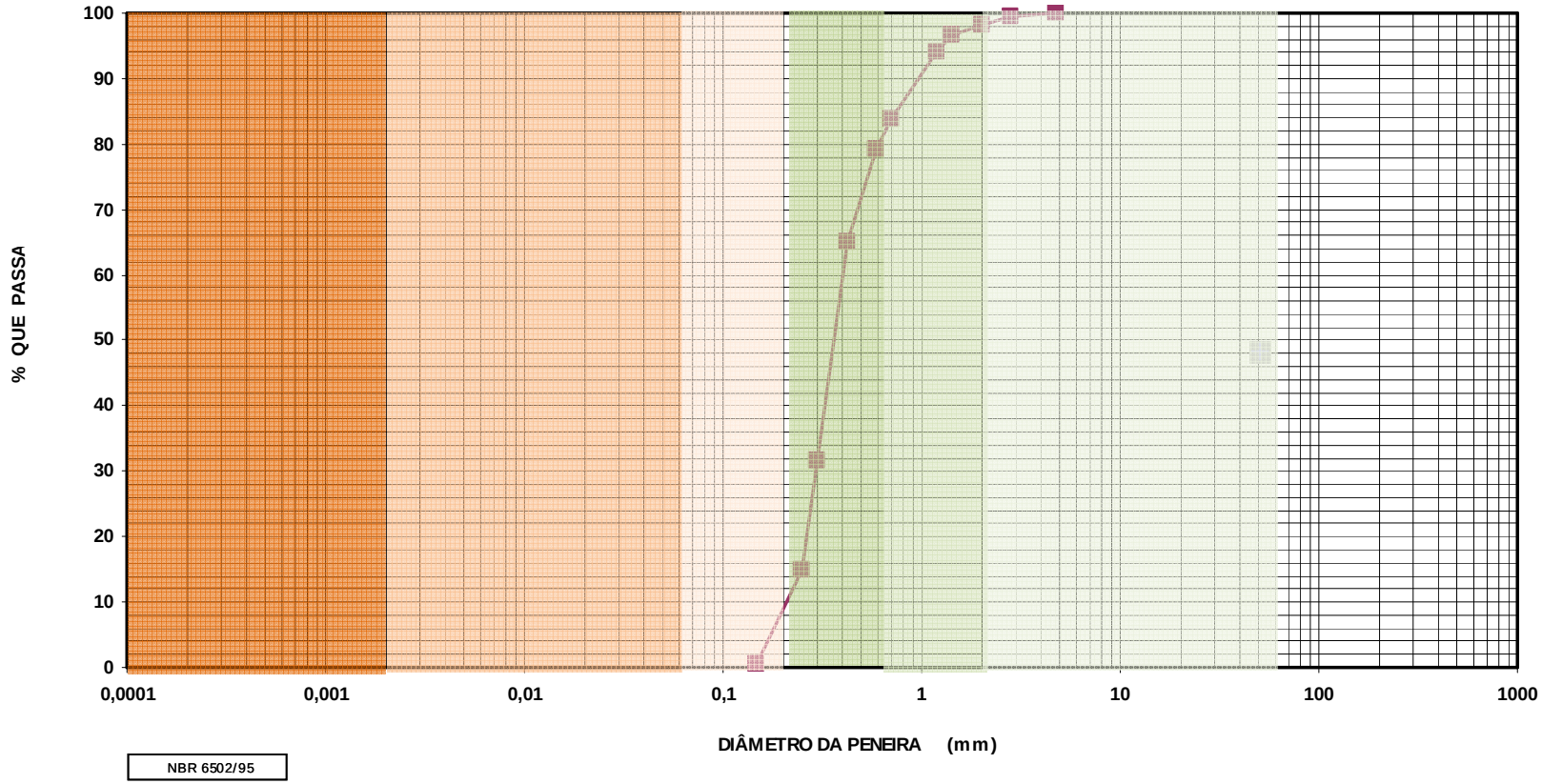
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		1,52	0,47	99,53	0,47
10	2,00	areia grossa	5,73	1,76	98,24	
14	1,41		10,98	3,37	96,63	
16	1,20		19,26	5,92	94,08	
25	0,71		52,62	16,17	83,83	15,70
30	0,59	areia média	67,76	20,82	79,18	
40	0,42		113,5	34,87	65,13	
50	0,297		222,5	68,36	31,64	
60	0,250		277,2	85,16	14,84	69,00
100	0,149	areia fina	323,6	99,42	0,58	
200	0,075					14,25
Fundo	0		325,5	100,00	0,00	0,58

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: ILHA DO COSME 06
Local: RIO XINGU
Data da coleta: 02/11



Norte Energia

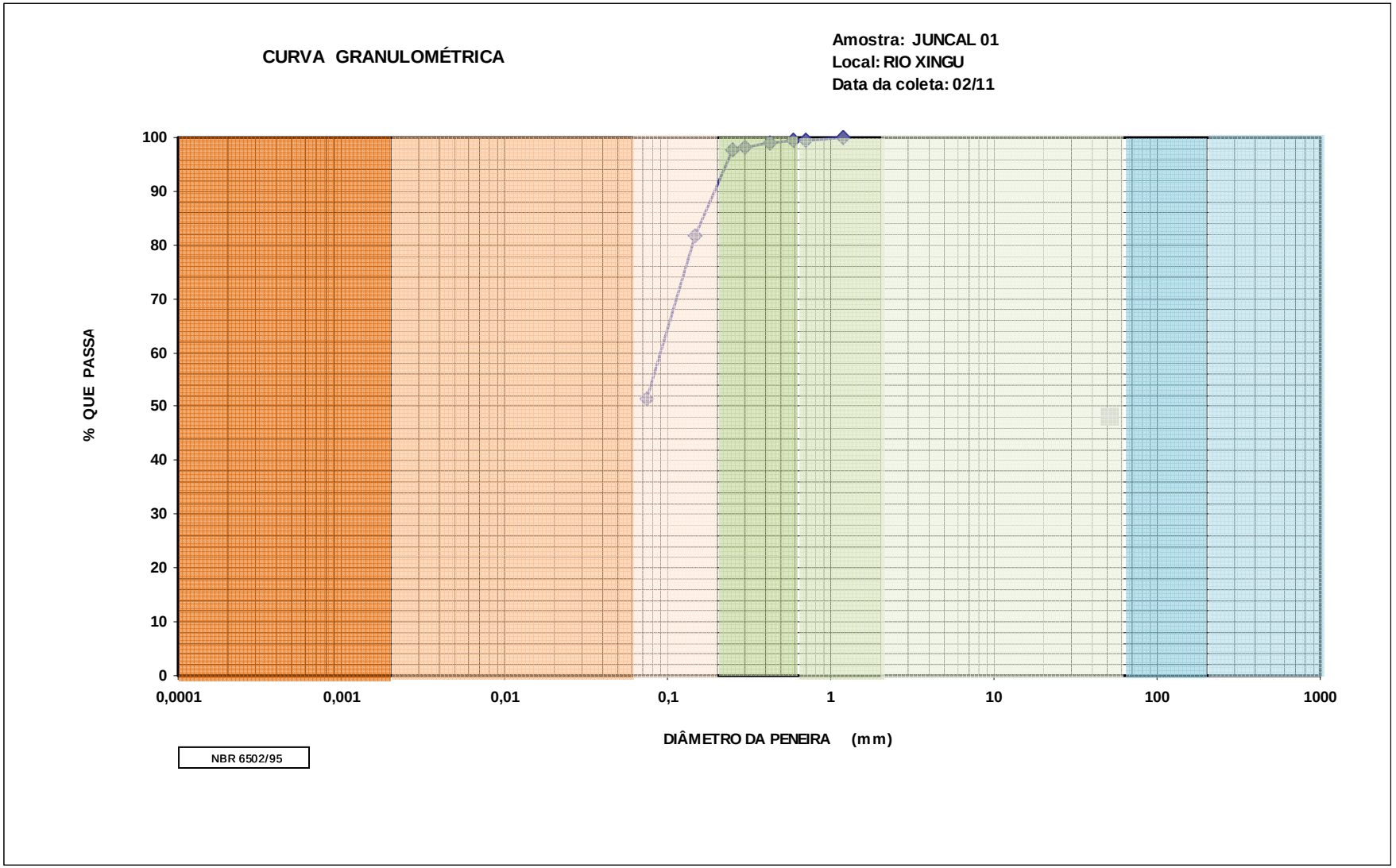
GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 01
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		1,2	0,46	99,54	0,46
30	0,59	areia média	1,4	0,54	99,46	
40	0,42		2,7	1,04	98,96	
50	0,297		4,5	1,74	98,26	
60	0,250		6,2	2,39	97,61	1,93
100	0,149	areia fina	47,1	18,19	81,81	
200	0,075		125,5	48,47	51,53	46,08
Fundo	0		258,9	100,00	0,00	51,53

Obs.:

Norte Energia



Norte Energia

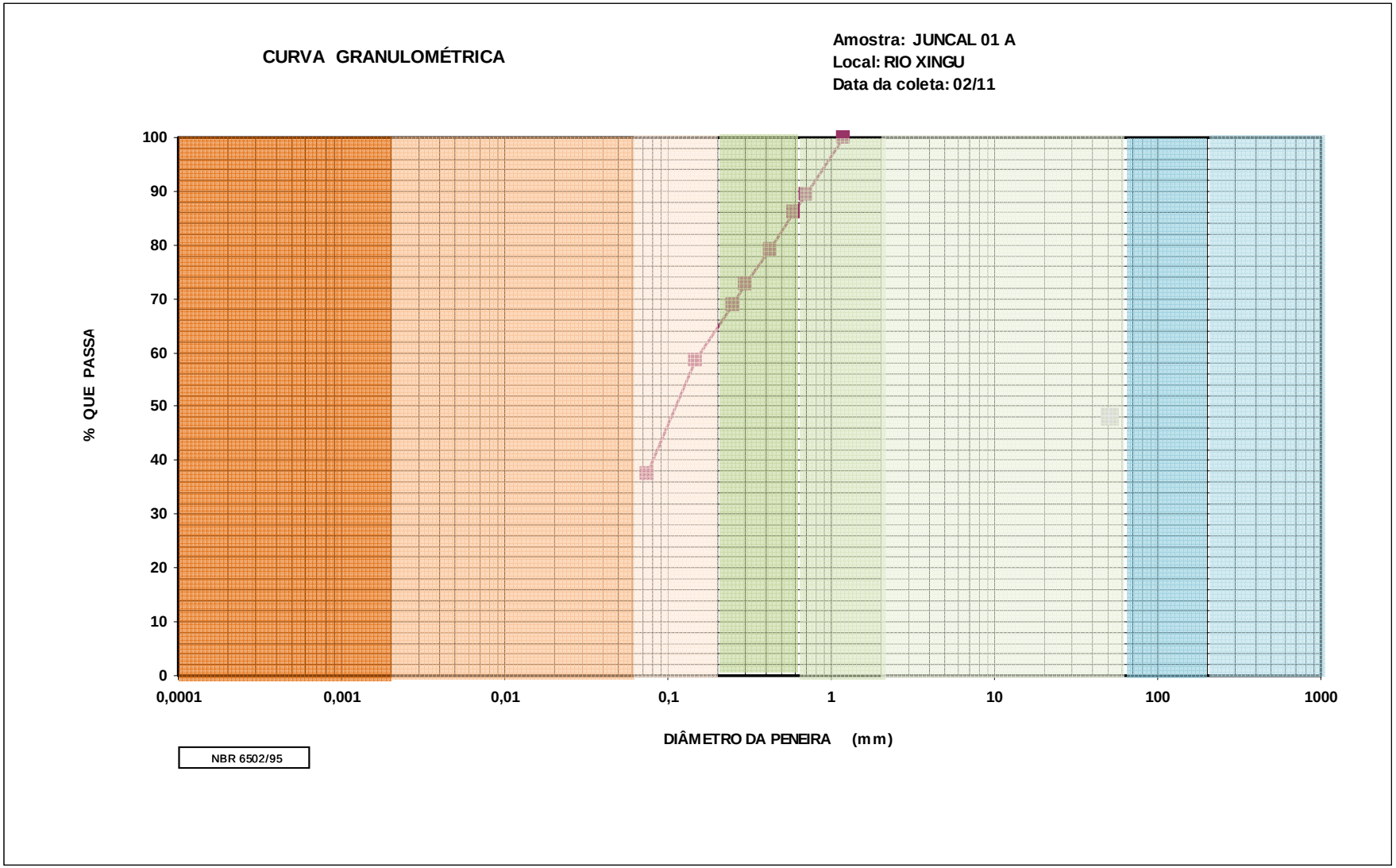
GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 01 A
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0,0	0,00	100,00	
25	0,71		22,1	10,51	89,49	10,51
30	0,59	areia média	29,3	13,93	86,07	
40	0,42		43,7	20,78	79,22	
50	0,297		57,3	27,25	72,75	
60	0,250		65,3	31,05	68,95	20,54
100	0,149	areia fina	87,0	41,37	58,63	
200	0,075		131,2	62,39	37,61	31,34
Fundo	0		210,3	100,00	0,00	37,61

Obs.:

Norte Energia



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 02
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

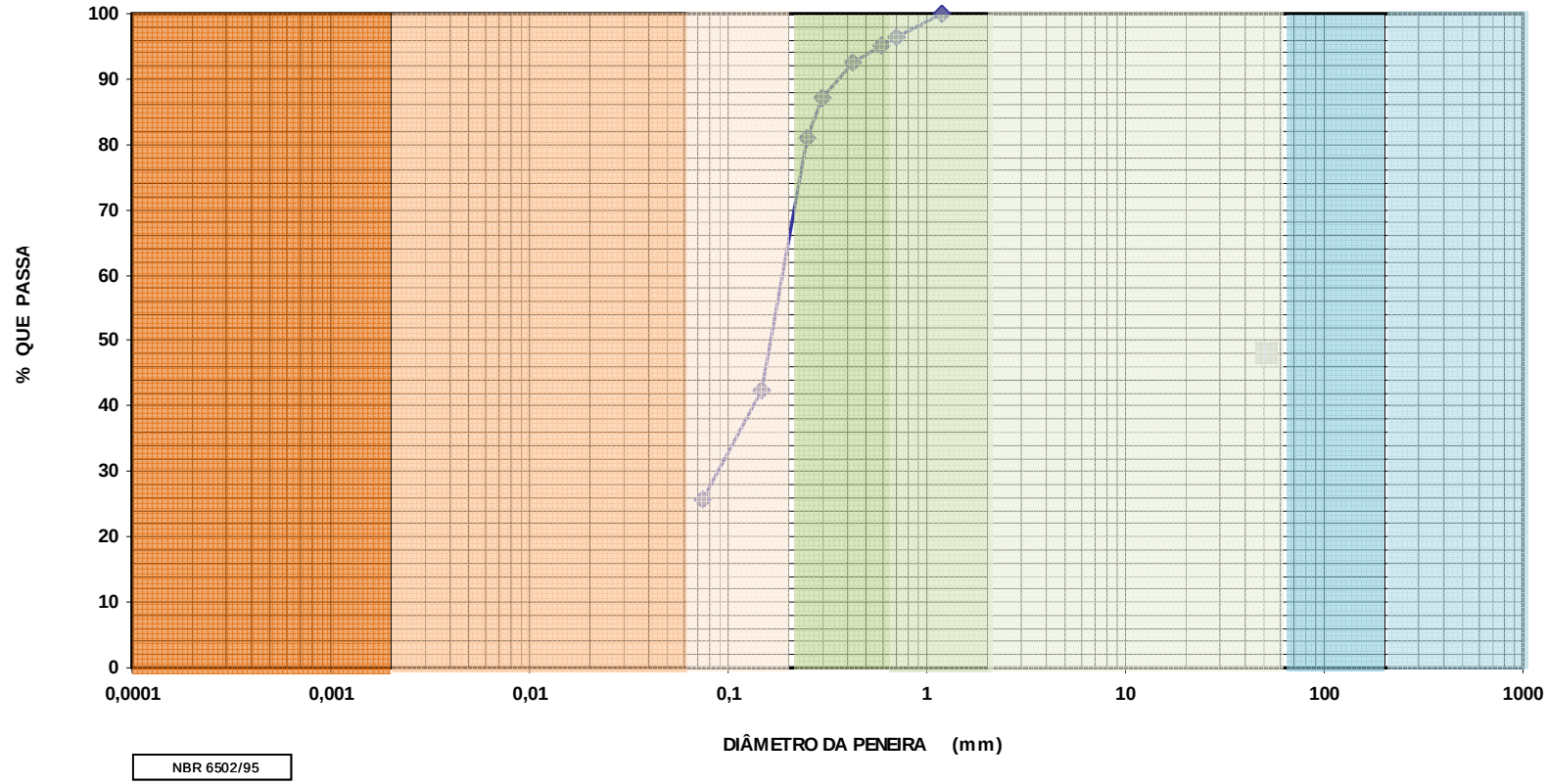
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41					
16	1,20		0	0,00	100,00	
25	0,71		9,98	3,66	96,34	3,66
30	0,59	areia média	13,56	4,98	95,02	
40	0,42		20,28	7,44	92,56	
50	0,297		35,11	12,88	87,12	
60	0,250		51,95	19,06	80,94	15,40
100	0,149	areia fina	157,1	57,65	42,35	
200	0,075		202,1	74,17	25,83	55,10
Fundo	0		272,5	100,00	0,00	25,83

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 02
Local: RIO XINGU
Data da coleta: 02/11



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 02 A
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

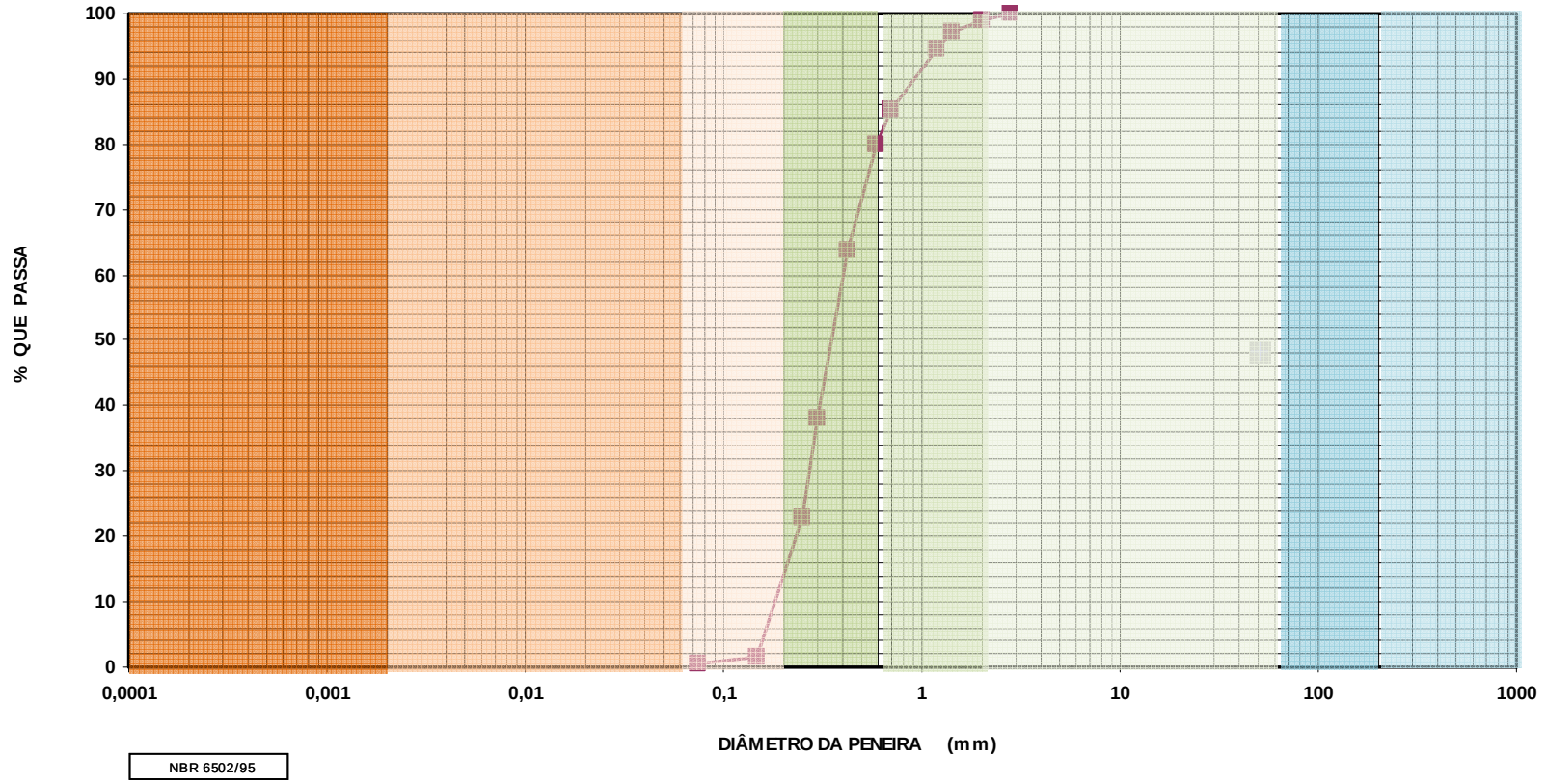
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83		0	0,00	100,00	0,00
10	2,00	areia grossa	3,05	1,08	98,92	
14	1,41		7,79	2,76	97,24	
16	1,20		15,41	5,45	94,55	
25	0,71		41,73	14,76	85,24	14,76
30	0,59	areia média	56,62	20,03	79,97	
40	0,42		102,5	36,26	63,74	
50	0,297		175,2	61,97	38,03	
60	0,250		217,8	77,04	22,96	62,28
100	0,149	areia fina	278	98,34	1,66	
200	0,075		281,3	99,50	0,50	22,46
Fundo	0		282,7	100,00	0,00	0,50

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 02 A
Local: RIO XINGU
Data da coleta: 02/11



Norte Energia

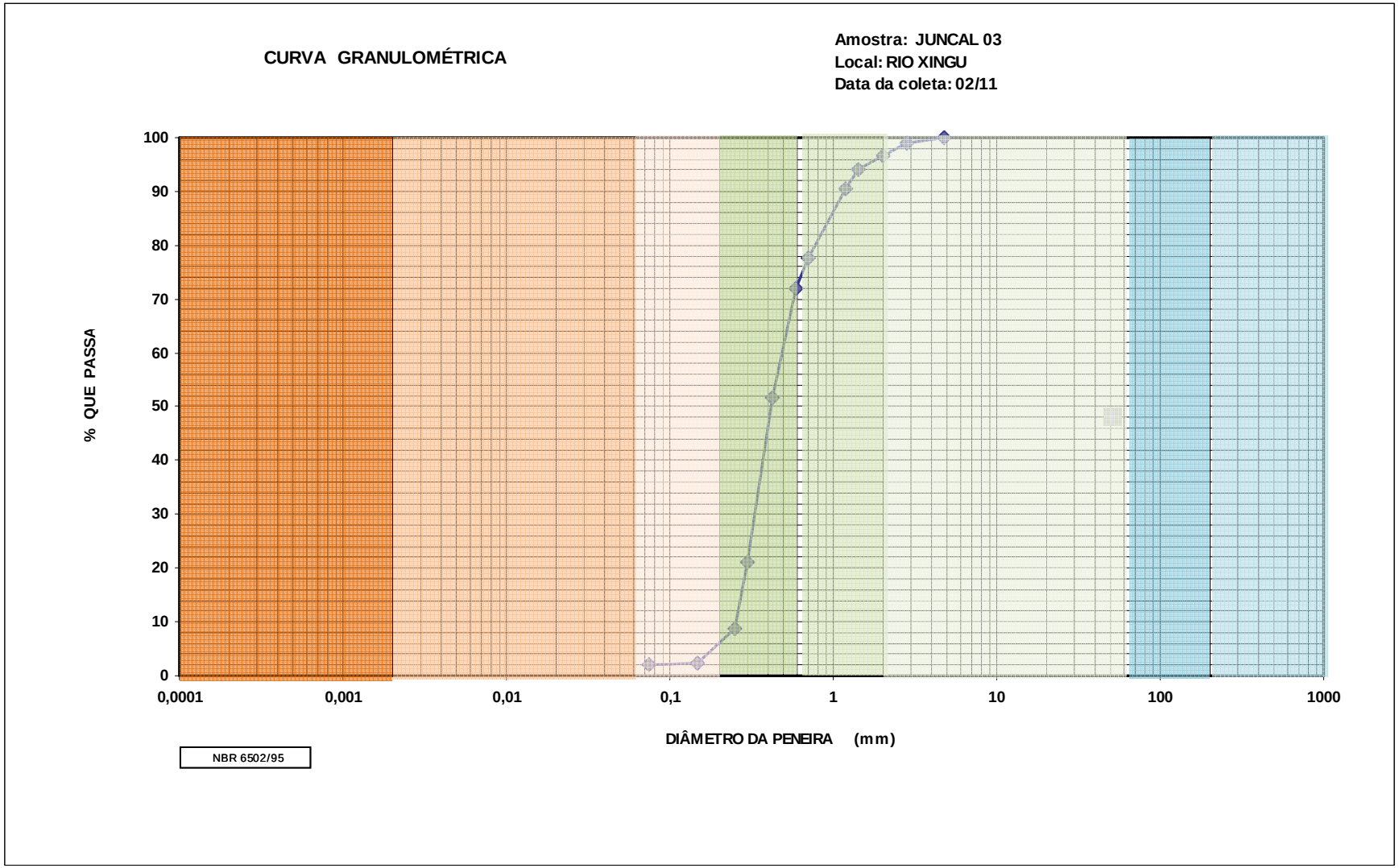
GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 03
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		4,54	0,92	99,08	0,92
10	2,00	areia grossa	16,15	3,28	96,72	
14	1,41		29,44	5,98	94,02	
16	1,20		46,75	9,50	90,50	
25	0,71		110,2	22,39	77,61	21,47
30	0,59	areia média	137,7	27,98	72,02	
40	0,42		237,6	48,28	51,72	
50	0,297		388,8	79,01	20,99	
60	0,250		448,5	91,14	8,86	68,75
100	0,149	areia fina	480,7	97,68	2,32	
200	0,075		481,6	97,87	2,13	6,73
Fundo	0		492,1	100,00	0,00	2,13

Obs.:

Norte Energia



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 03 A
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0,0	0,00	100,00	
7	2,83		0,3	0,10	99,90	0,10
10	2,00	areia grossa	1,9	0,63	99,37	
14	1,41		5,3	1,76	98,24	
16	1,20		12,4	4,11	95,89	
25	0,71		42,0	13,93	86,07	13,83
30	0,59	areia média	57,4	19,04	80,96	
40	0,42		112,9	37,45	62,55	
50	0,297		203,8	67,60	32,40	
60	0,250		244,9	81,23	18,77	67,30
100	0,149	areia fina	291,8	96,78	3,22	
200	0,075		298,1	98,87	1,13	17,65
Fundo	0		301,5	100,00	0,00	1,13

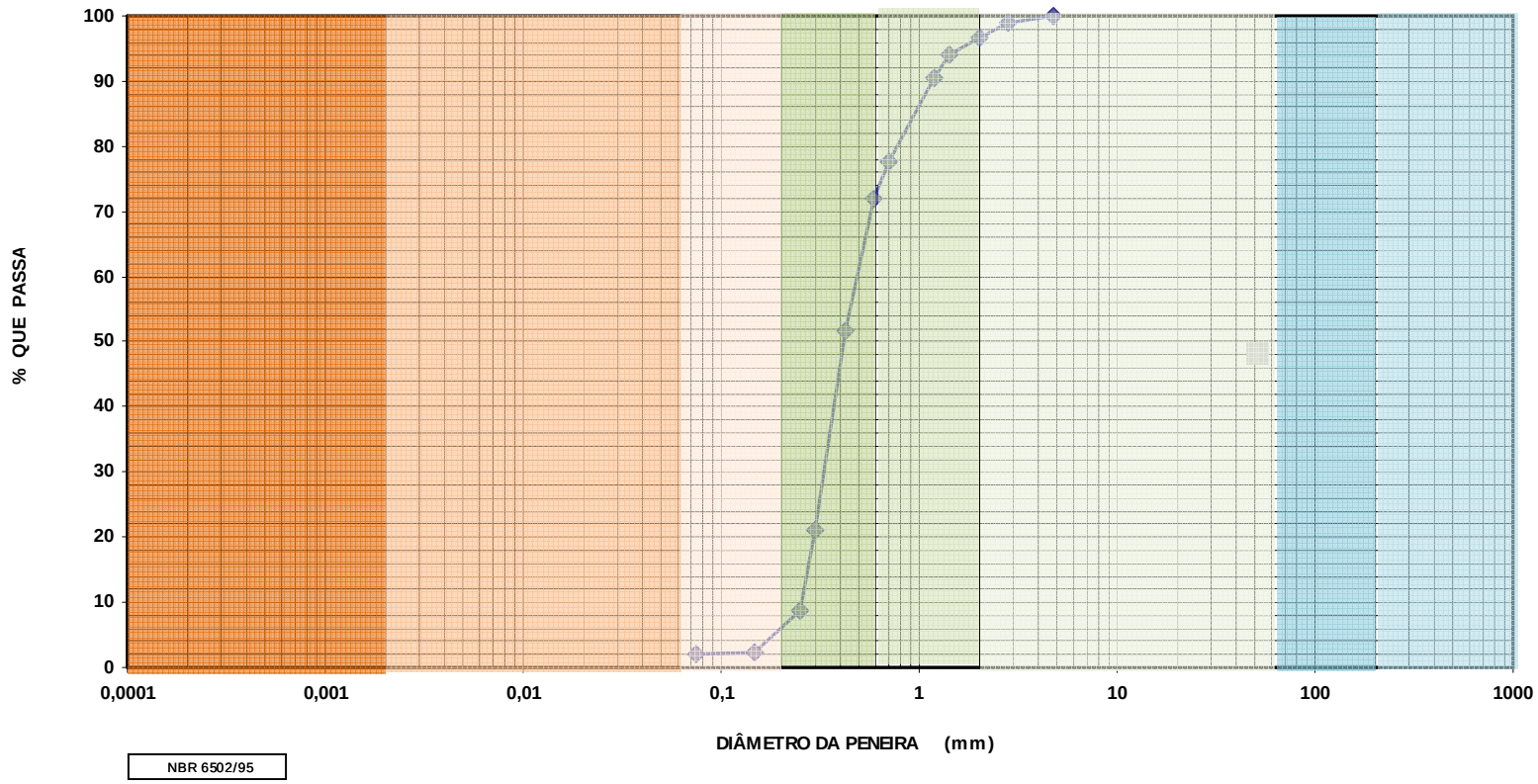
Obs.:

LEME

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 03 A
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 04
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

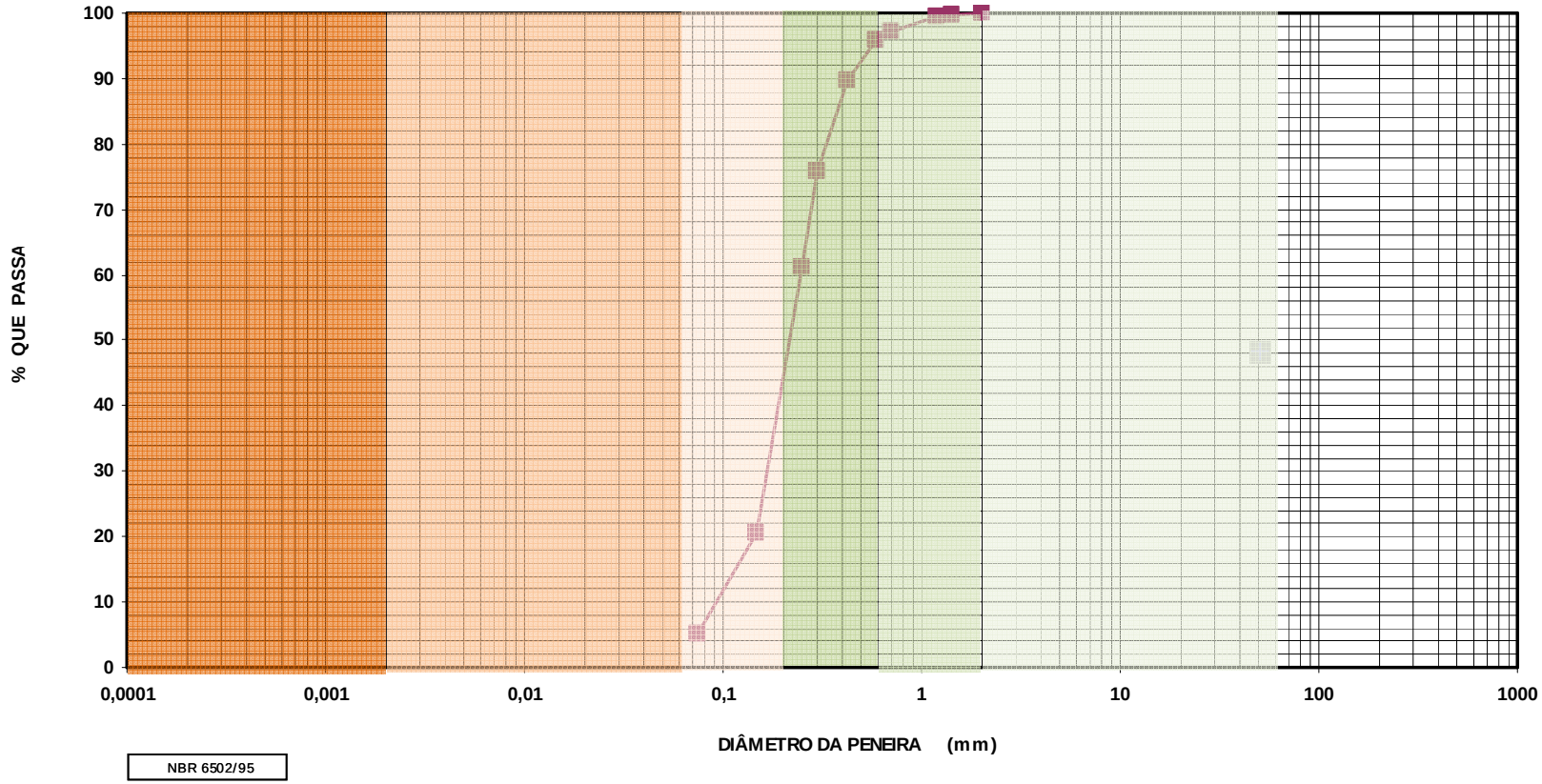
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa	0	0,00	100,00	
14	1,41		0,6	0,16	99,84	
16	1,20		1,9	0,51	99,49	
25	0,71		10,2	2,73	97,27	2,73
30	0,59	areia média	15,4	4,12	95,88	
40	0,42		38,2	10,22	89,78	
50	0,297		90,8	24,28	75,72	
60	0,250		145	38,78	61,22	36,05
100	0,149	areia fina	297,4	79,54	20,46	
200	0,075		354,7	94,86	5,14	56,08
Fundo	0		373,9	100,00	0,00	5,14

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 04
Local: RIO XINGU
Data da coleta: 02/11



LEME

Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 04 A
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83					0,00
10	2,00	areia grossa				
14	1,41		0	0,00	100,00	
16	1,20		1,16	0,57	99,43	
25	0,71		36,39	17,94	82,06	17,94
30	0,59	areia média	44,03	21,71	78,29	
40	0,42		59,64	29,41	70,59	
50	0,297		77,01	37,97	62,03	
60	0,250		93,98	46,34	53,66	28,40
100	0,149	areia fina	116,9	57,64	42,36	
200	0,075		132,1	65,14	34,86	18,80
Fundo	0		202,8	100,00	0,00	34,86

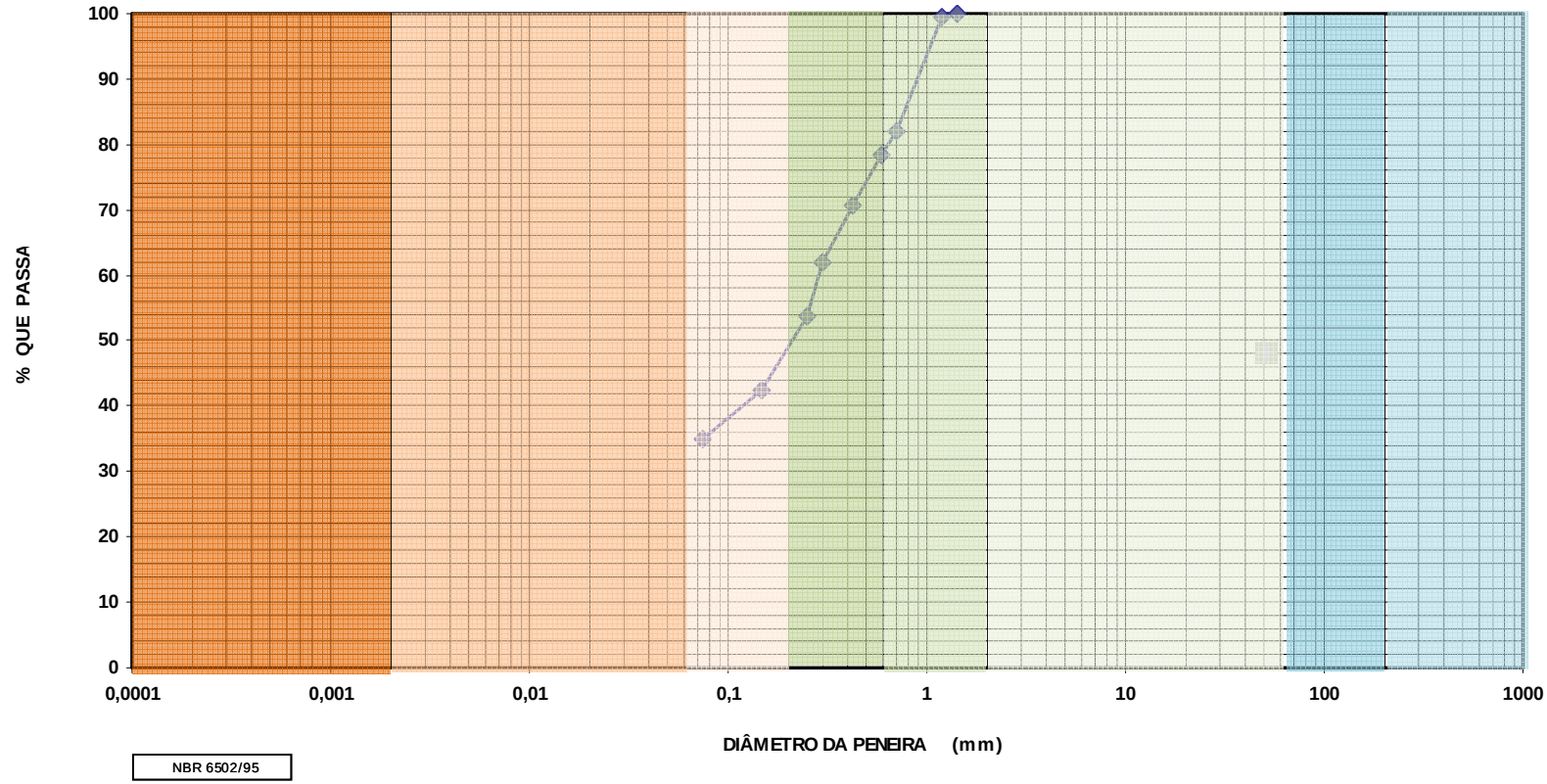
Obs.:

LEME

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 04 A
Local: RIO XINGU
Data da coleta: 02/11



Norte Energia

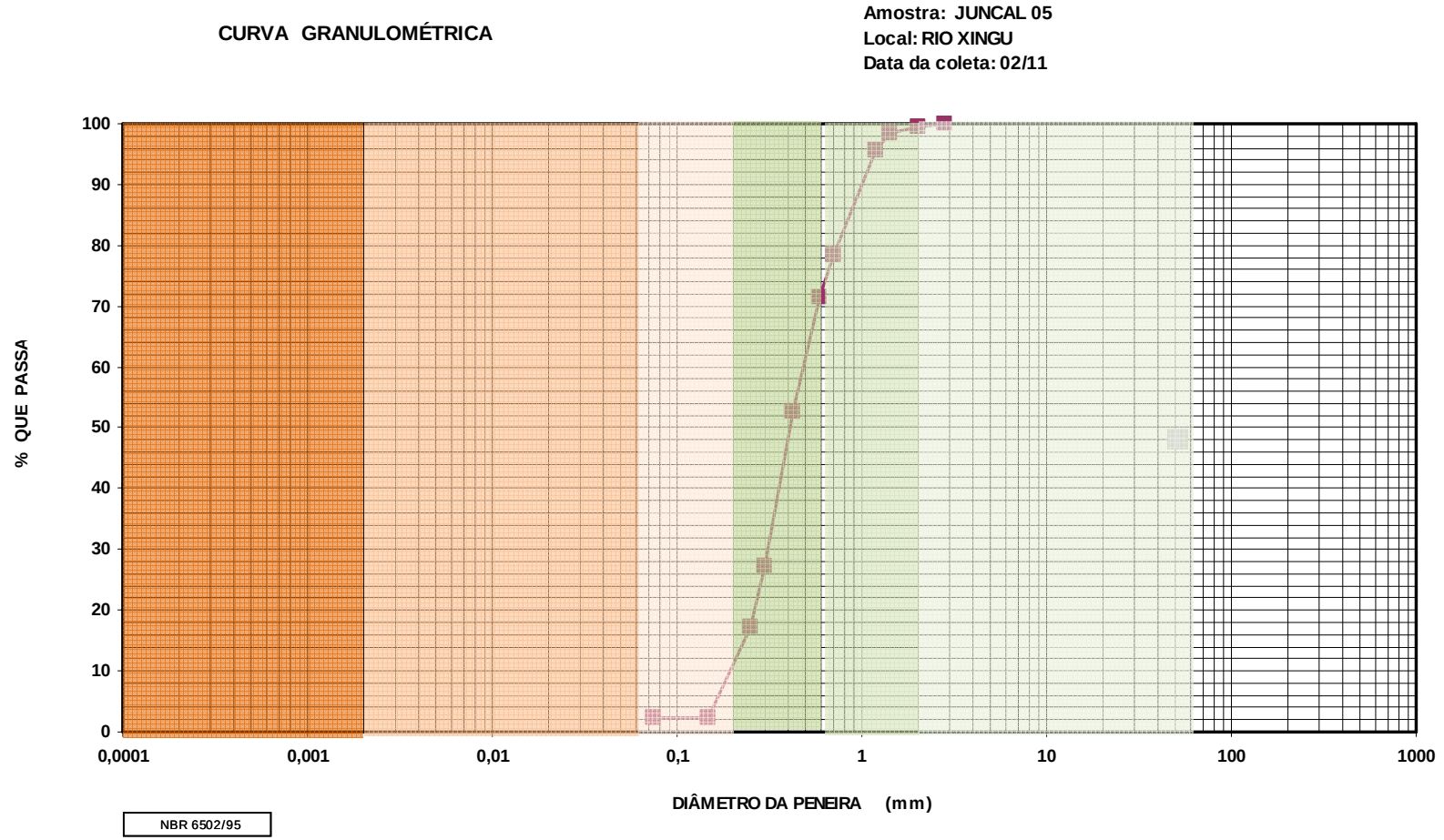
GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 05
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83		0	0,00	100,00	0,00
10	2,00	areia grossa	1,63	0,50	99,50	
14	1,41		5,27	1,61	98,39	
16	1,20		14,61	4,47	95,53	
25	0,71		70,18	21,49	78,51	21,49
30	0,59	areia média	92,97	28,47	71,53	
40	0,42		154,9	47,43	52,57	
50	0,297		237,4	72,69	27,31	
60	0,250		270,7	82,88	17,12	61,40
100	0,149	areia fina	318,8	97,61	2,39	
200	0,075		319,0	97,67	2,33	14,79
Fundo	0		326,6	100,00	0,00	2,33

Obs.:

Norte Energia



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 06
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

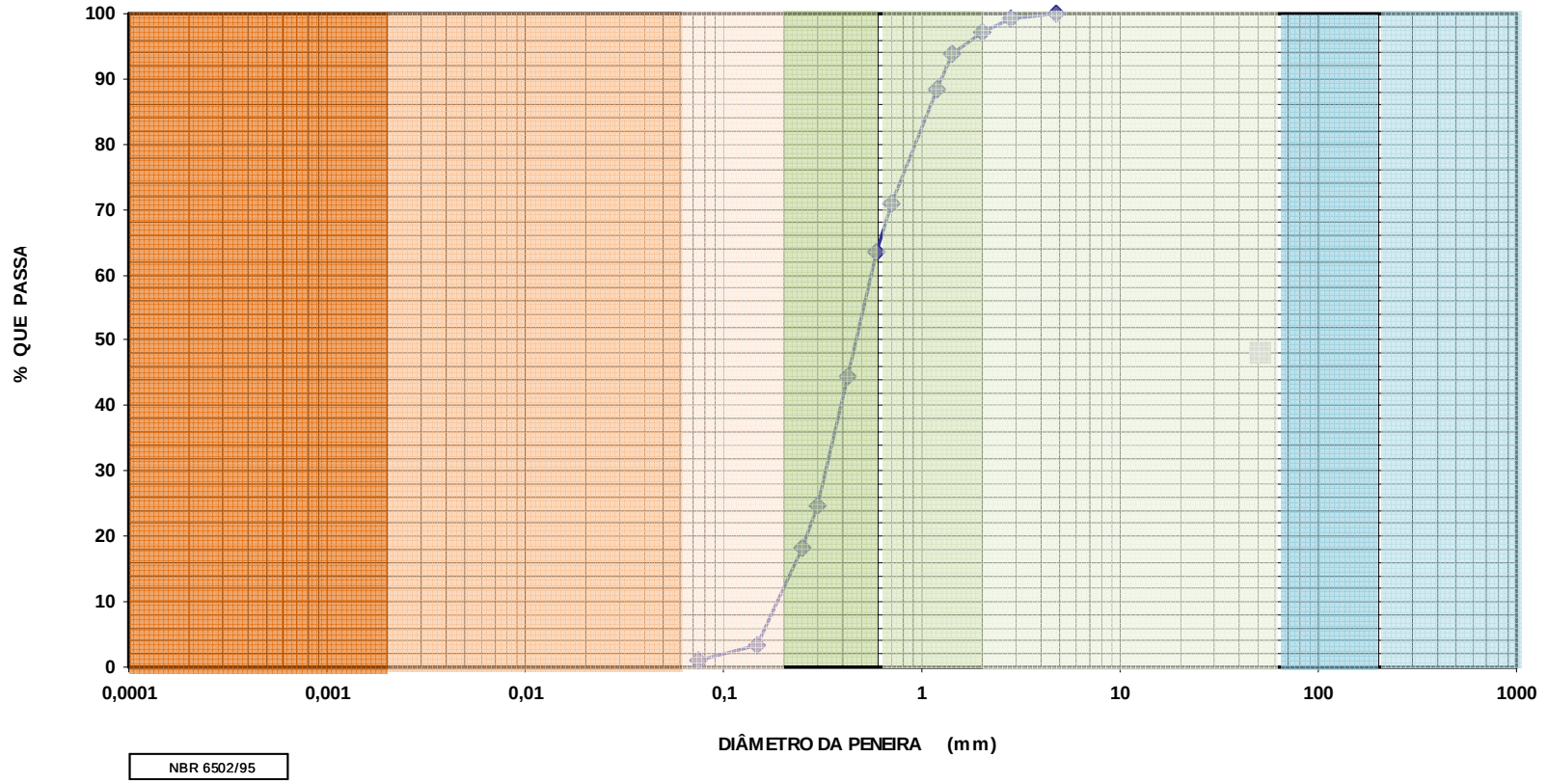
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		3,4	0,66	99,34	0,66
10	2,00	areia grossa	14,2	2,77	97,23	
14	1,41		32,2	6,27	93,73	
16	1,20		59,8	11,65	88,35	
25	0,71		149,6	29,13	70,87	28,47
30	0,59	areia média	186,9	36,40	63,60	
40	0,42		285,1	55,52	44,48	
50	0,297		387,4	75,44	24,56	
60	0,250		419,5	81,69	18,31	52,56
100	0,149	areia fina	496,1	96,61	3,39	
200	0,075		507,6	98,85	1,15	17,16
Fundo	0		513,5	100,00	0,00	1,15

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 06
Local: RIO XINGU
Data da coleta: 02/11



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 07
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

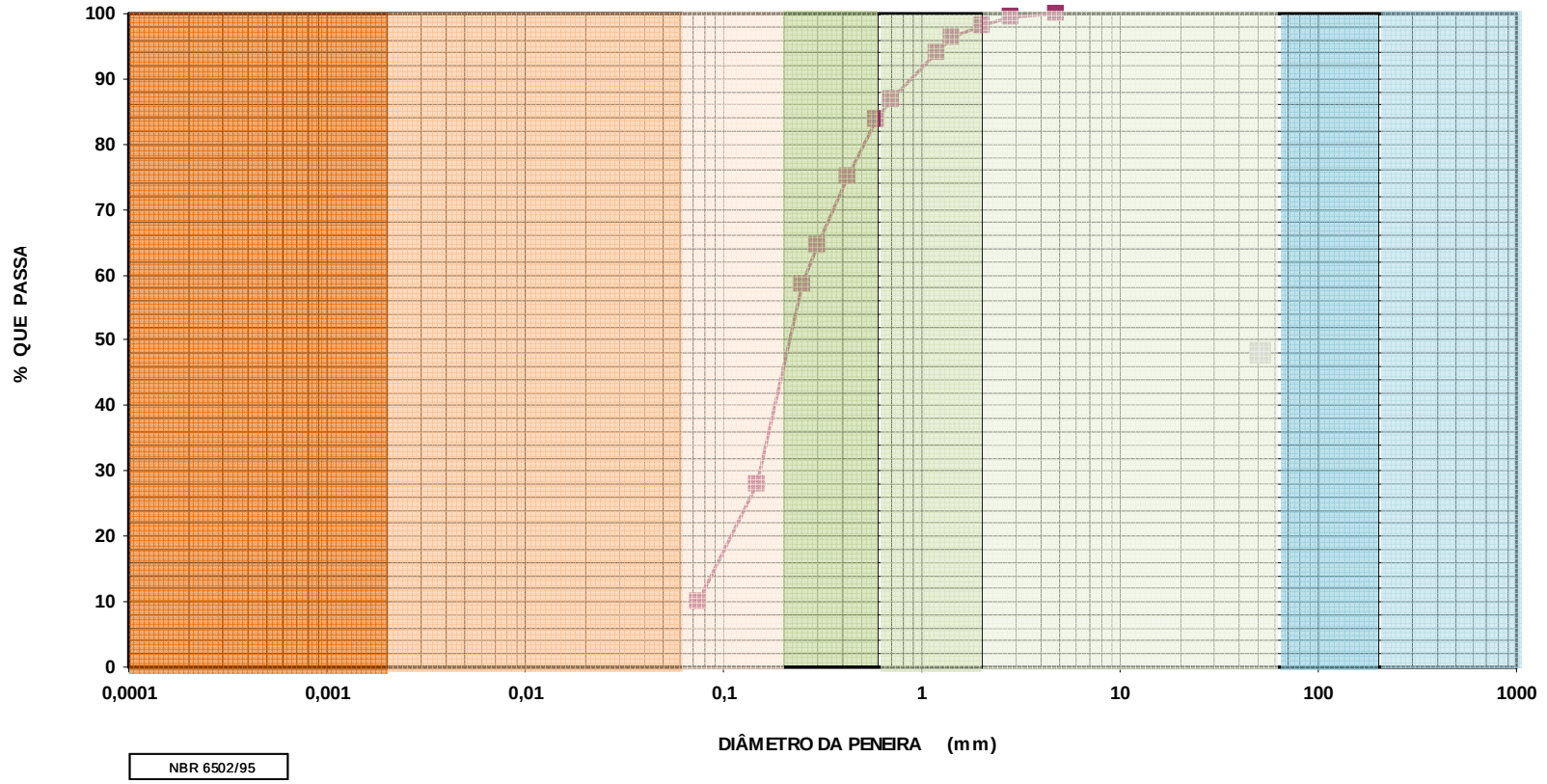
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		2,4	0,58	99,42	0,58
10	2,00	areia grossa	7,9	1,91	98,09	
14	1,41		14,9	3,60	96,40	
16	1,20		24,4	5,90	94,10	
25	0,71		54,3	13,13	86,87	12,55
30	0,59	areia média	66,7	16,13	83,87	
40	0,42		103,6	25,05	74,95	
50	0,297		146,2	35,35	64,65	
60	0,250		171,4	41,44	58,56	28,31
100	0,149	areia fina	297,7	71,98	28,02	
200	0,075		371,8	89,89	10,11	48,45
Fundo	0		413,6	100,00	0,00	10,11

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 07
Local: RIO XINGU
Data da coleta: 02/11



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 08
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76					
7	2,83		0	0,00	100,00	0,00
10	2,00	areia grossa	1,98	0,62	99,38	
14	1,41		6,95	2,16	97,84	
16	1,20		16,91	5,27	94,73	
25	0,71		66,26	20,64	79,36	20,64
30	0,59	areia média	86,22	26,85	73,15	
40	0,42		150,1	46,75	53,25	
50	0,297		232,1	72,28	27,72	
60	0,250		263,7	82,12	17,88	61,49
100	0,149	areia fina	316,7	98,63	1,37	
200	0,075					16,51
Fundo	0		321,1	100,00	0,00	1,37

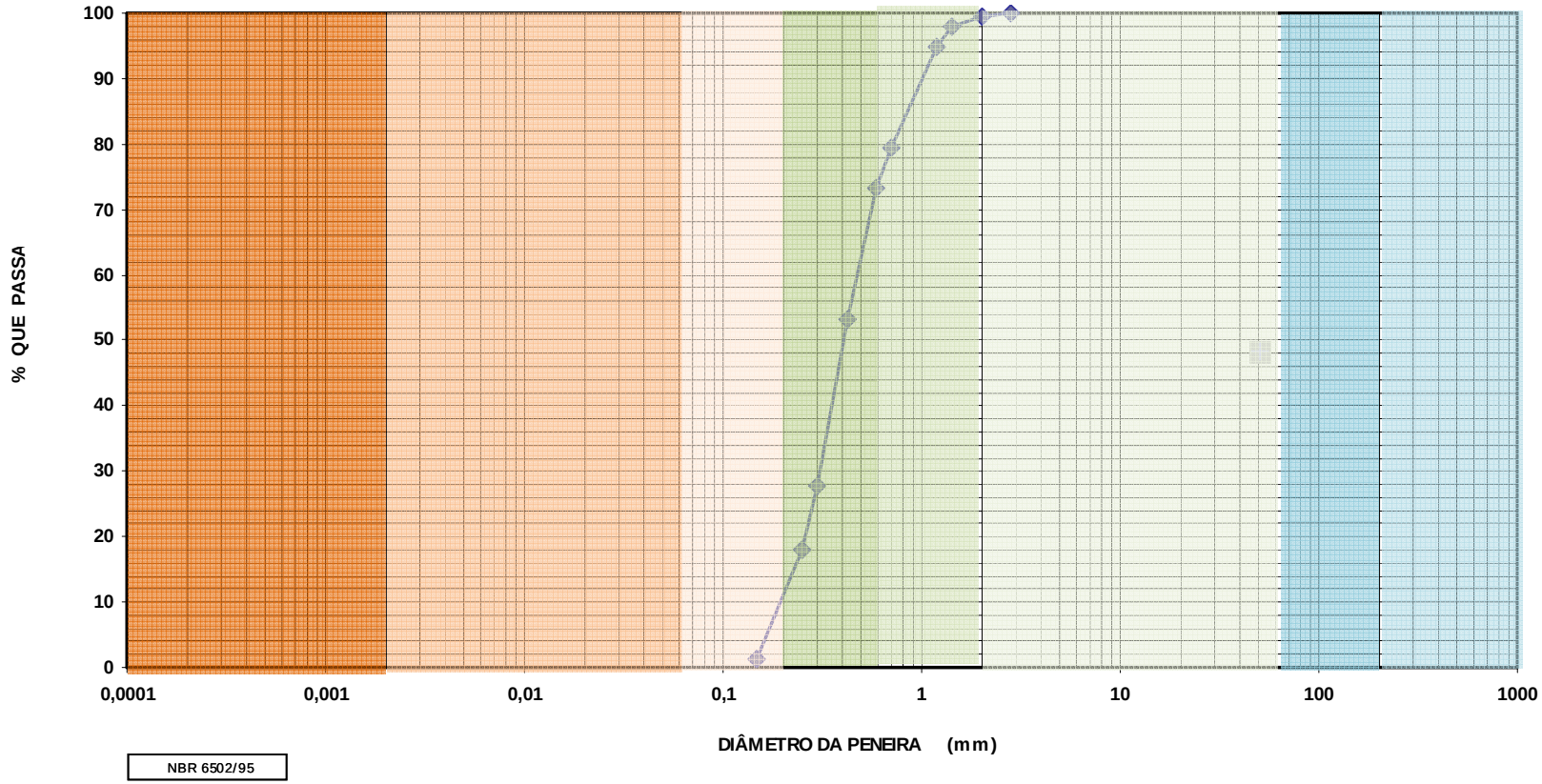
Obs.:

LEME

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 08
Local: RIO XINGU
Data da coleta: 02/11



Norte Energia

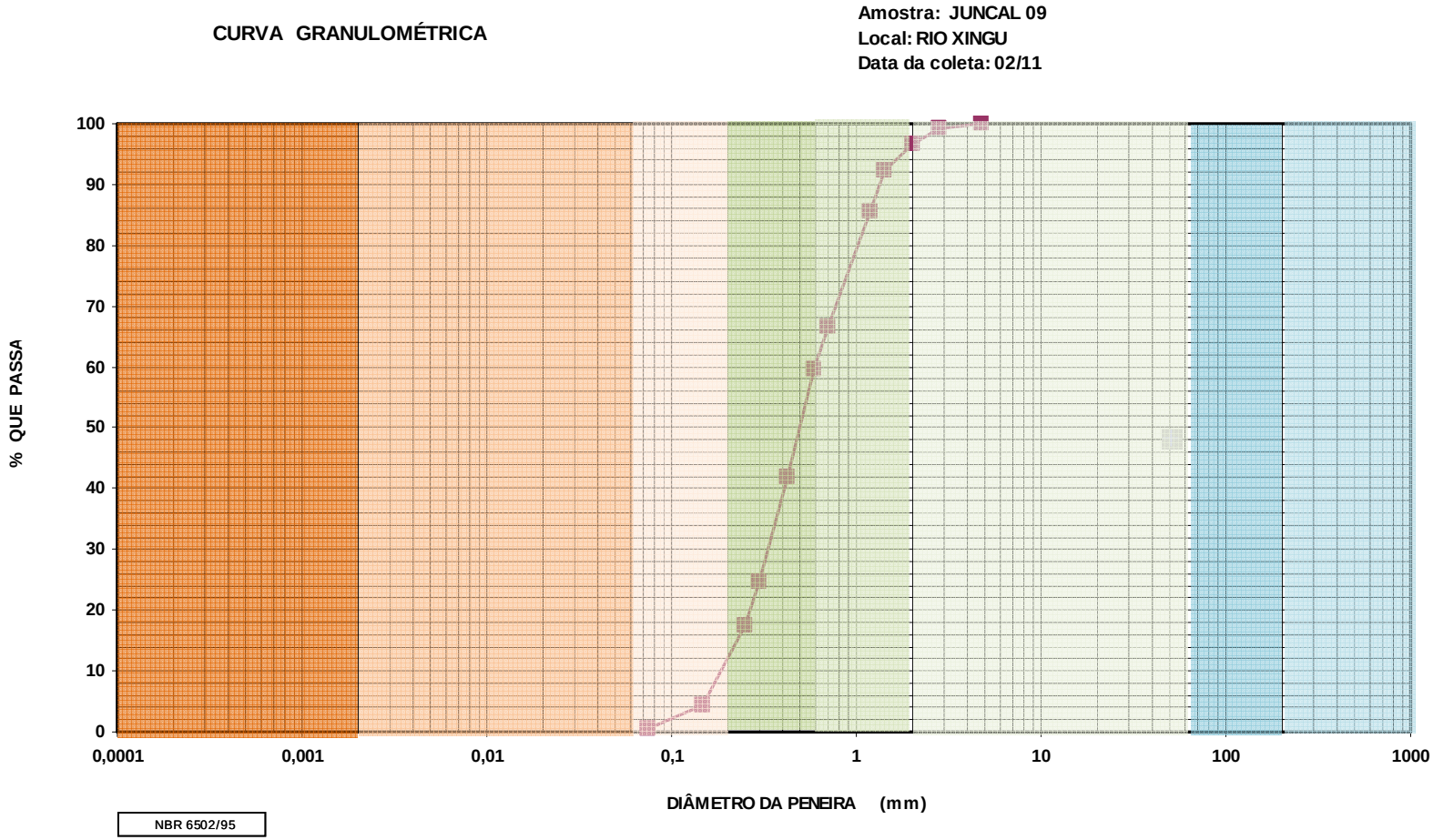
GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 09
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		2	0,69	99,31	0,69
10	2,00	areia grossa	9,8	3,38	96,62	
14	1,41		22,4	7,72	92,28	
16	1,20		41,9	14,44	85,56	
25	0,71		97,3	33,53	66,47	32,84
30	0,59	areia média	117	40,32	59,68	
40	0,42		168,9	58,20	41,80	
50	0,297		218,8	75,40	24,60	
60	0,250		239,8	82,63	17,37	49,10
100	0,149	areia fina	277,6	95,66	4,34	
200	0,075		288,6	99,45	0,55	16,82
Fundo	0		290,2	100,00	0,00	0,55

Obs.:

Norte Energia



Norte Energia

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 10
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

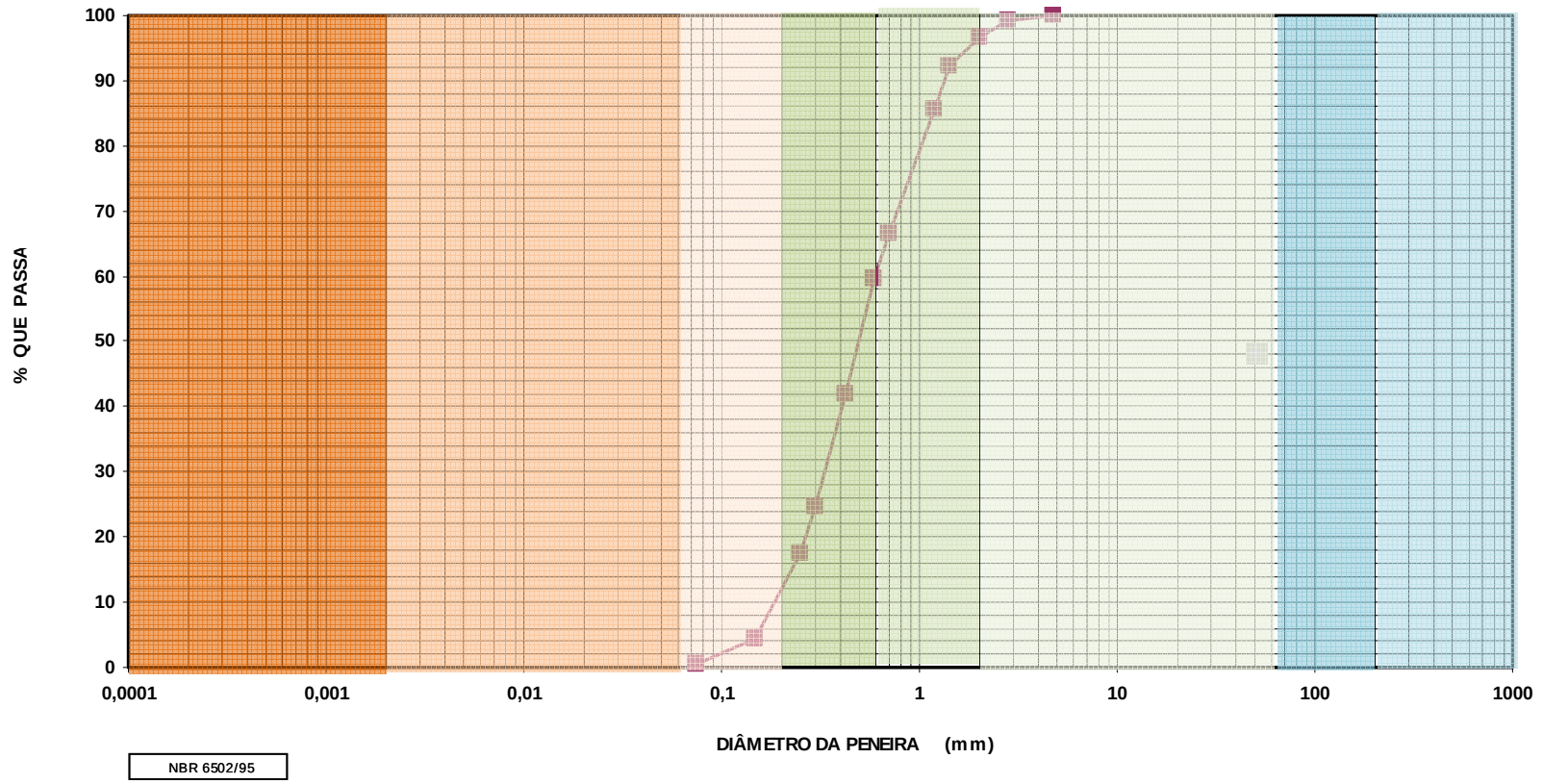
PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0,0	0,00	100,00	
7	2,83		1,3	0,41	99,59	0,41
10	2,00	areia grossa	4,9	1,56	98,44	
14	1,41		11,0	3,51	96,49	
16	1,20		23,2	7,40	92,60	
25	0,71		71,1	22,69	77,31	22,27
30	0,59	areia média	91,5	29,20	70,80	
40	0,42		160,8	51,31	48,69	
50	0,297		241,6	77,09	22,91	
60	0,250		272,7	87,01	12,99	64,33
100	0,149	areia fina	310,8	99,17	0,83	
200	0,075		312,7	99,78	0,22	12,76
Fundo	0		313,4	100,00	0,00	0,22

Obs.:

Norte Energia

CURVA GRANULOMÉTRICA

Amostra: JUNCAL 10
Local: RIO XINGU
Data da coleta: 02/11

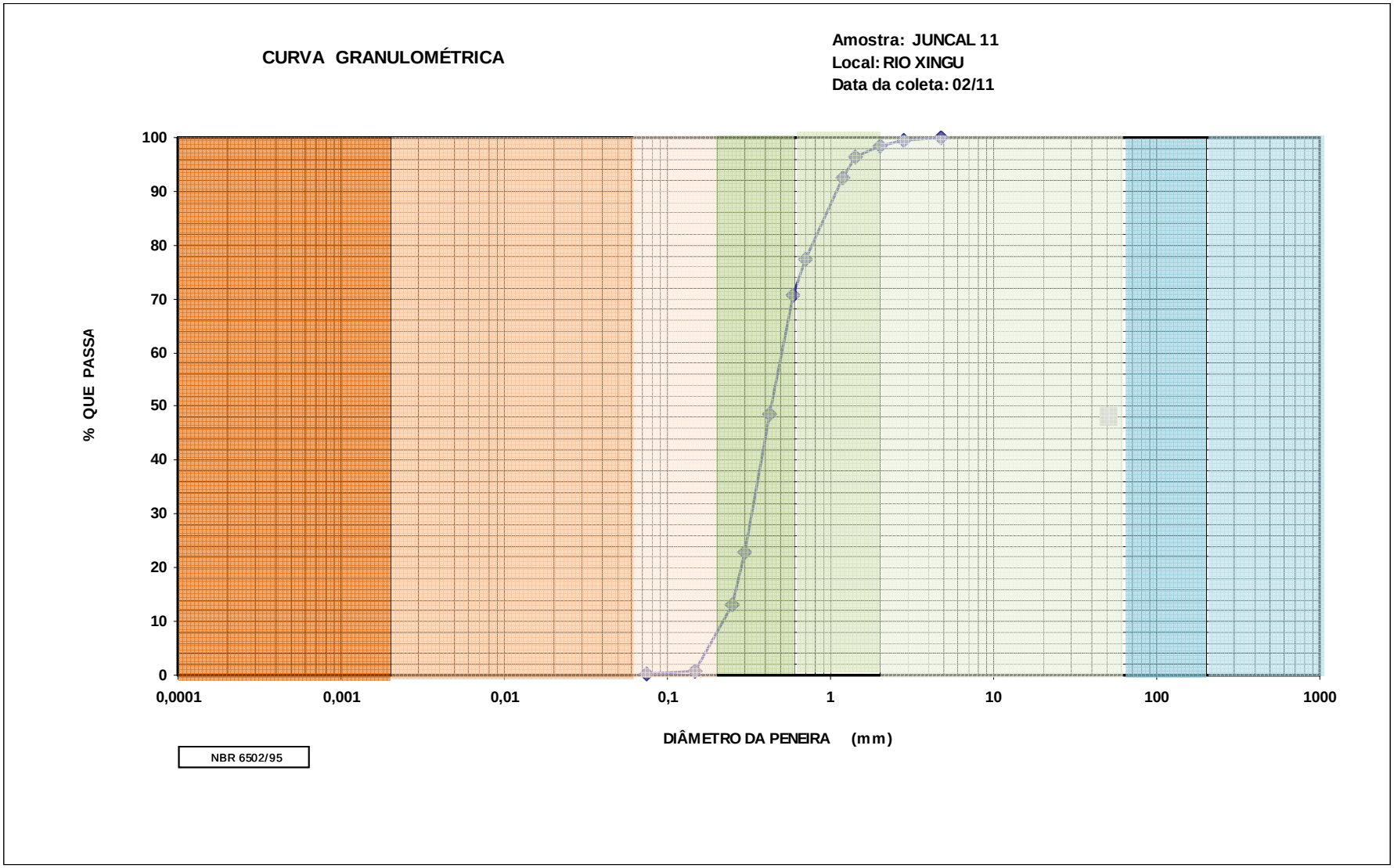


GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 11
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0,0	0,00	100,00	
7	2,83		1,3	0,41	99,59	0,41
10	2,00	areia grossa	4,9	1,56	98,44	
14	1,41		11,0	3,51	96,49	
16	1,20		23,2	7,40	92,60	
25	0,71		71,1	22,69	77,31	22,27
30	0,59	areia média	91,5	29,20	70,80	
40	0,42		160,8	51,31	48,69	
50	0,297		241,6	77,09	22,91	
60	0,250		272,7	87,01	12,99	64,33
100	0,149	areia fina	310,8	99,17	0,83	
200	0,075		312,7	99,78	0,22	12,76
Fundo	0		313,4	100,00	0,00	0,22

Obs.:

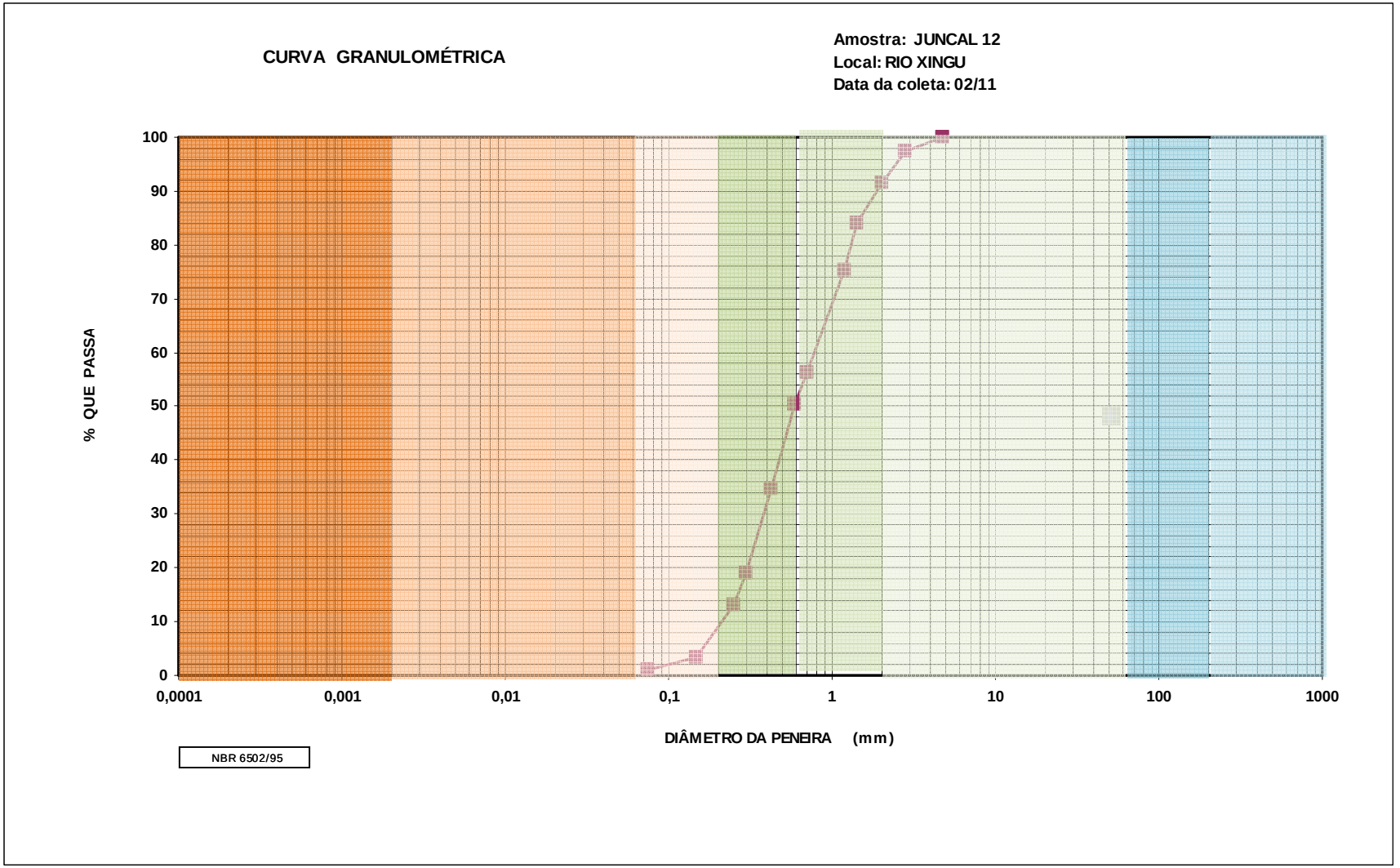

CURVA GRANULOMÉTRICA
Amostra: JUNCAL 11
Local: RIO XINGU
Data da coleta: 02/11
% QUE PASSA
100
90
80
70
60
50
40
30
20
10
0
0,0001
0,001
0,01
0,1
1
10
100
1000
DIÂMETRO DA PENEIRA (mm)
NBR 6502/95

GRANULOMETRIA - PENEIRAMENTO

AMOSTRA: JUNCAL 12
RIO: XINGU
Data Coleta: fevereiro de 2011 **Data Análise:** 07/03/2011

PENEIRAS Nº	DIÂMETRO (mm)		PESO ACUMULADO (g)	% ACUMULADA	% QUE PASSA	Porcentagem
2"	50,8	pedregulho				
1 1/2"	38,1					
1"	25,4					
3/4"	19,1					
	15,9					
1/2"	12,7					
3/8"	9,52					
3	6,35					
4	4,76		0	0,00	100,00	
7	2,83		9,2	2,58	97,42	2,58
10	2,00	areia grossa	30,2	8,49	91,51	
14	1,41		56,7	15,93	84,07	
16	1,20		87,5	24,59	75,41	
25	0,71		155,4	43,66	56,34	41,08
30	0,59	areia média	176,8	49,68	50,32	
40	0,42		232,6	65,36	34,64	
50	0,297		287,8	80,87	19,13	
60	0,250		308,9	86,79	13,21	43,13
100	0,149	areia fina	344,2	96,71	3,29	
200	0,075		352,4	99,02	0,98	12,22
Fundo	0		355,9	100,00	0,00	0,98

Obs.:


CURVA GRANULOMÉTRICA
Amostra: JUNCAL 12
Local: RIO XINGU
Data da coleta: 02/11
% QUE PASSA
100
90
80
70
60
50
40
30
20
10
0
0,0001
0,001
0,01
0,1
1
10
100
1000
DIÂMETRO DA PENEIRA (mm)
NBR 6502/95