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MINERAIS DO PARANÁ S.A.

PROJETO OURO - PROSPECTO RIO DO OURO

OTAVIO AUGUSTO BONI LICHT

OSCAR SALAZAR JUNIOR

CURITIBA

1991

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PROJETO OURO - PROSPECTO RIO DO OURO

PROCESSO DNPM 820230 / 84

RELATÓRIO DE ESTIMATIVA DE RESERVAS

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PROJETO OURO - PROSPECTO RIO DO OURO - DNPM 820230/84

RELATÓRIO DE ESTIMATIVA DE RESERVAS

1 - Introdução

A estimativa de reservas minerais do Prospecto Rio do Ouro, contido no Processo do DNPM 820230/84, aqui reportada, foi executada com os dados obtidos pela pesquisa executada pela Minerais do Paraná S.A., desde 1986 até o ano de 1991. Foi utilizado o relatório da Etapa de Pesquisa Preliminar do Prospecto Rio do Ouro (Salazar Jr., 1988), e os dados obtidos na continuidade dos trabalhos, em 1990 e 1991, ainda sem relatório.

A estimativa de reservas foi realizada pelos geólogos Otavio Augusto Boni Licht e Oscar Salazar Júnior, com apoio do geólogo Diclécio Falcade e da técnica em processamento de dados Marineusa de Bortoli Wolff, além do engenheiro Luiz Antonio Pavão, consultor do projeto do sistema automático de cubagem.

2 - Metodologia de Cálculo

Foram utilizados para a estimativa de reservas um total de 1486 dados, provenientes de amostras de canal em 19 trincheiras e 17 sondagens rotativas diamantadas com recuperação de testemunho. A grande maioria das amostras foi obtida com um comprimento padrão de um metro. Em casos especiais, onde as características geológicas exigiram, amostras menores ou maiores que um metro foram coletadas.

Os teores de ouro nas amostras, foram obtidos pelo método de fusão ("fire assay") nos laboratórios da Metais de Goiás S.A. - METAGO. O procedimento analítico seguido foi o seguinte:

a. secagem em estufas com circulação de ar, na temperatura de 60 graus centígrados;

b. redução em britador de mandíbulas a 1/4" ;

c. pulverização total da amostra na granulometria menor que 150 #, em moinhos de disco e de pratos vibratórios;

d. homogeneização, quarteação e obtenção de uma alíquota de 50 gramas (analito) para análise;

e. homogeneização com 250 gramas de mistura fundente;

f. fusão do analito em cadinho refratário a 1.150 graus centígrados por uma hora;

g. copelação do bullion a 960 graus centígrados por cinquenta minutos;

h. partição e pesagem em microbalança (0,000001 g);

i. reportagem do resultado em g/t (gramas por tonelada).

Foram feitas repetições para confirmação do resultado em até 20% das amostras com teores maiores que 0,05 g/t.

Os dados foram arquivados em banco de dados magnético, que faz parte do Sistema de Cubagem desenvolvido pela empresa.

2.1 - Estatística Básica dos Resultados Analíticos

Com o objetivo de melhor caracterizar a distribuição estatística dos dados analíticos disponíveis, bem como estabelecer limites estatísticos que pudessem ser adotados como teores de corte para a cubagem, foram realizados os seguintes procedimentos :

a. média aritmética e geométrica das amostras com teores maiores que o limite de detecção (0,10 g/t Au) (Tabela 1);

b. média aritmética e geométrica dos teores por tipo litológico (Tabela 2);

c. tabela de frequência, histograma e gráfico de probabilidade dos teores originais (g/t Au) (Figuras 1 e 2) e dos log(g/t Au) (Figuras 3,4).

	Quantid. amostras	Média aritmética (g/t)	Média geométrica (g/t)
Amostras >= 0,10 g/t	668	1,45	0,67
Total das amostras	1486	0,68	0,16

Tabela 1 - Teores médios globais para todas as amostras e para aquelas com teores maiores que o limite de detecção.

Tipo litológico	Quantid. amostras	Média aritmética (g/t)	Média geométrica (g/t)
Anfibolito	140	0,06	0,05
Brecha feldspática	20	0,05	0,05
Feldspatização	24	0,12	0,07
"Gnaisse"	803	0,56	0,16
Gnaisse anfibolítico	117	0,07	0,06
Granito	1	0,05	0,05
Quartzo	230	1,86	0,44
"Solo"	91	0,76	0,29
"Xistos"	60	0,71	0,33

Tabela 2 - Teores médios globais separados segundo as litologias descritas na pesquisa (1990-1991)

A distribuição dos 668 dados analíticos maiores que o limite de detecção (população censurada na base em 0,10 g/t), apresenta uma forte assimetria positiva sugerindo uma distribuição log-normal, com polimodalidade (Figuras 1 e 2).

```
SUMMARY STATISTICS and HISTOGRAM                          ARITHMETIC VALUES

 Variable = Au              Unit =      ppm                N =   668

     Mean =     1.449        Min =    0.100   1st Quartile =     0.200
Std. Dev. =     2.849        Max =   29.170         Median =     0.560
     CV % =   196.663   Skewness =    5.770   3rd Quartile =     1.380

=============================================================================
  %   cum %   cls int          (# of bins = 29  -  bin size =    1.038)
----- -----  --------          ---------------------------------------------
 0.00  0.07    -0.419
54.04 54.04     0.619          ******************************** --)  136
25.15 79.15     1.657          ******************************** --)   63
 7.19 86.32     2.696          ******************
 4.49 90.81     3.734          ***********
 2.99 93.80     4.772          ********
 1.50 95.29     5.810          ****
 0.60 95.89     6.848          **
 1.20 97.09     7.887          ***
 0.90 97.98     8.925          **
 0.45 98.43     9.963          *
 0.15 98.58    11.001
 0.00 98.58    12.039
 0.30 98.88    13.078          *
 0.00 98.88    14.116
 0.00 98.88    15.154
 0.15 99.03    16.192
 0.30 99.33    17.231          *
 0.00 99.33    18.269
 0.00 99.33    19.307
 0.00 99.33    20.345
 0.00 99.33    21.383
 0.00 99.33    22.422
 0.00 99.33    23.460
 0.00 99.33    24.498
 0.15 99.48    25.536
 0.15 99.63    26.574
 0.00 99.63    27.613
 0.00 99.63    28.651
 0.30 99.93    29.689          *
-----------------------------------------------------------------------------
                              0         1         2         3         4

                    Each '*' represents approximately 2.6 observations.
```

Figura 1 - Tabela de frequência e histograma dos teores maiores que o limite de detecção (0,10 g/t Au).

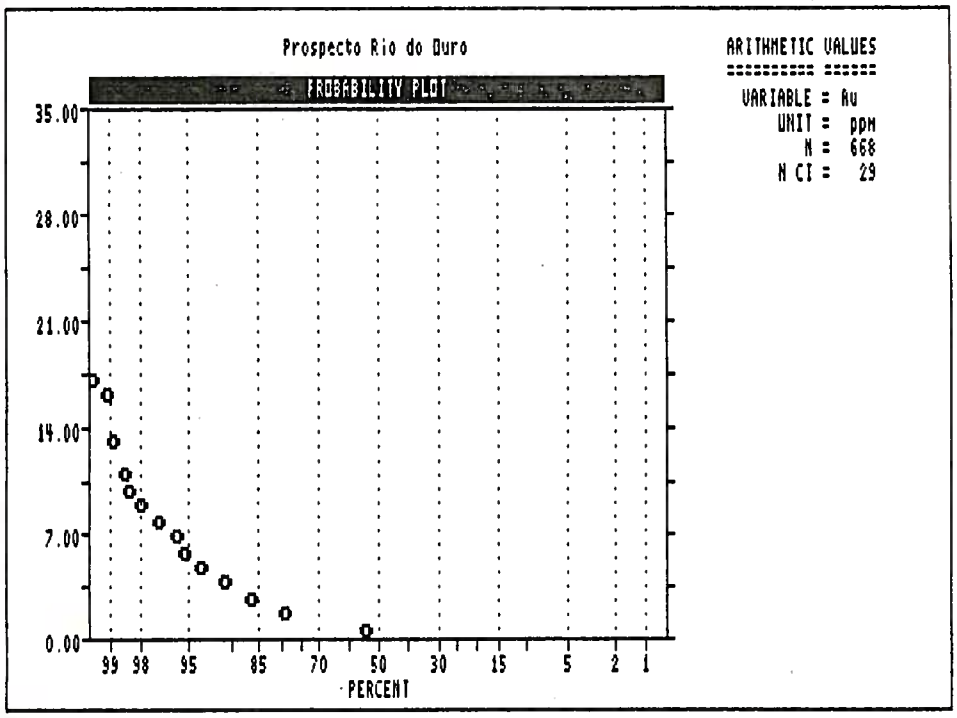


Figura 2 - Gráfico de probabilidade dos teores maiores que o limite de detecção do método analítico (0,10 g/t Au).

A transformação aos logaritmos naturais dos teores suaviza a assimetria, mas também enfatiza a presença de várias modas ou populações misturadas (Figuras 3 e 4).

SUMMARY STATISTICS and HISTOGRAM — LOGARITHMIC VALUES

Variable = Au — Unit = ppm — N = 668

Mean =	-0.1753	Min =	-1.0000	1st Quartile =	-0.5528
Std. Dev. =	0.4878	Max =	1.4649	Median =	-0.2518
CV % =	278.2359	Skewness =	0.7396	3rd Quartile =	0.1399

Anti-Log Mean = 0.668 — Anti-Log Std. Dev. : (-) 0.217 (+) 2.053

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.0800)
0.00	0.07	0.090	-1.0440	
0.90	0.97	0.111	-0.9560	**
0.30	1.27	0.136	-0.8679	*
4.34	5.61	0.166	-0.7799	**********
8.23	13.83	0.203	-0.6919	**********
8.23	22.05	0.249	-0.6038	**********
8.08	30.12	0.305	-0.5158	**********
7.34	37.44	0.373	-0.4278	**********
6.29	43.72	0.457	-0.3397	**********
6.89	50.60	0.560	-0.2517	**********
6.14	56.73	0.686	-0.1637	**********
5.09	61.81	0.840	-0.0756	**********
7.34	69.13	1.029	0.0124	**********
4.79	73.92	1.260	0.1004	**********
4.34	78.25	1.543	0.1885	**********
3.14	81.39	1.890	0.2765	********
2.99	84.38	2.315	0.3645	********
2.99	87.37	2.835	0.4526	********
2.54	89.91	3.472	0.5406	******
3.14	93.05	4.252	0.6286	********
1.20	94.25	5.208	0.7167	***
1.35	95.59	6.378	0.8047	***
1.50	97.09	7.811	0.8927	****
1.20	98.28	9.566	0.9808	***
0.30	98.58	11.716	1.0688	*
0.30	98.88	14.349	1.1568	*
0.45	99.33	17.573	1.2449	*
0.00	99.33	21.522	1.3329	
0.30	99.63	26.358	1.4209	*
0.30	99.93	32.281	1.5090	*

0 1 2 3 4

Each '*' represents approximately 2.6 observations.

Figura 3 - Tabela de frequência e histograma dos logaritmos dos teores maiores que o limite de detecção (0,10 g/t Au).

A utilização do gráfico de probabilidade permitiu a individualização de três populações (Figura 5) delimitadas pelos limiares abaixo tabelados :

População 1	limiar superior	29,17 g/t
	limiar inferior	2,34 g/t
População 2	limiar superior	2,34 g/t
	limiar inferior	0,69 g/t
População 3	limiar superior	0,69 g/t
	limiar inferior	0,39 g/t

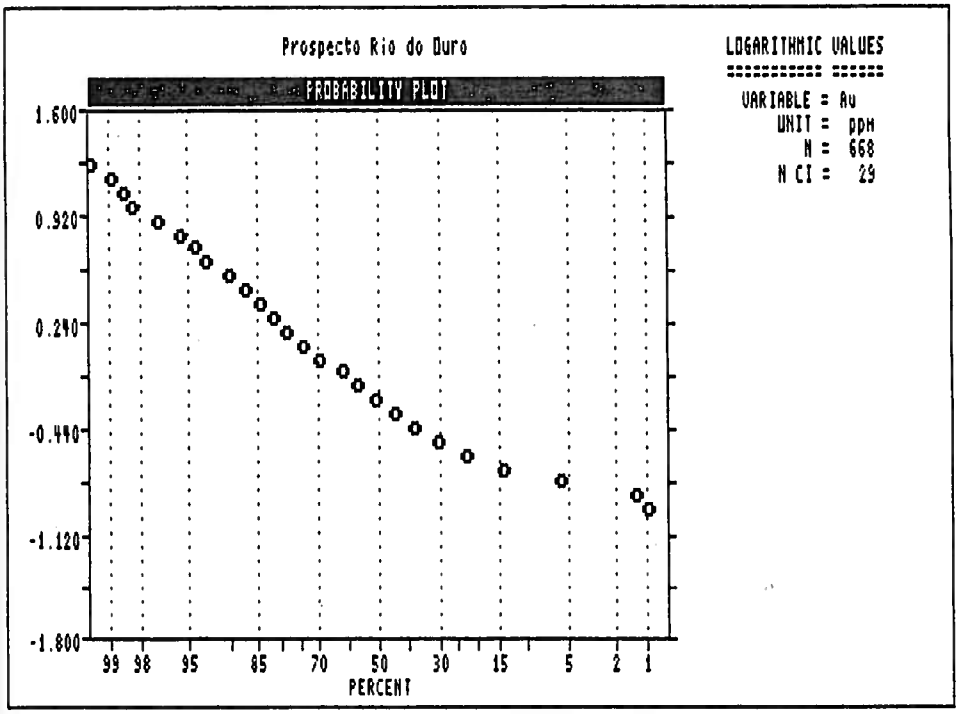


Figura 4 - Gráfico de probabilidade dos logaritmos dos teores maiores que o limite de detecção do método analítico (0,10 g/t Au).

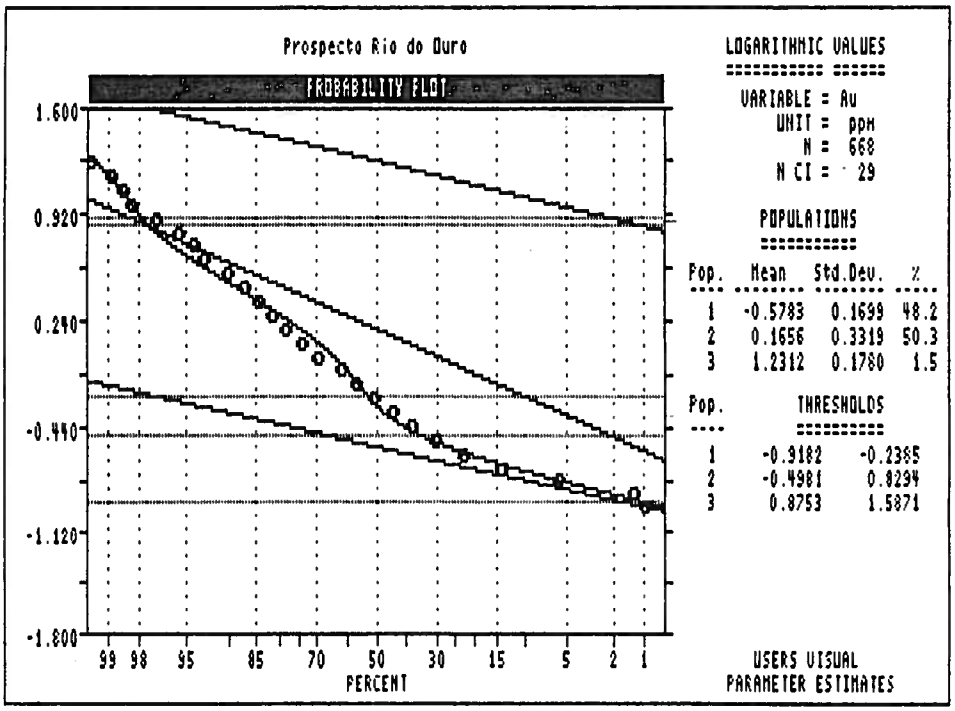


Figura 5 - Gráfico de probabilidade dos logaritmos dos teores maiores que o limite de detecção do método analítico (0,10 g/t Au), com o traço dos limiares que definem cada população e que foram utilizados na seleção dos teores de corte para a totalização das reservas.

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2.2 - Padronização dos Resultados Analíticos

Para a estimativa das reservas do minério aurífero foi utilizado o método de blocos unitários com cálculo do teor com ponderação pelo Inverso do Quadrado da Distância (IQD). Foram utilizados para o cálculo valores transformados dos teores originais, visto a distribuição log normal dos mesmos e a existência de amostras com suporte (tamanho) diferente de um metro. Assim, o cálculo do teor de cada amostra foi normalizado de acordo com a seguinte expressão:

teor amostra = Log (teor original Au g/t * suporte m / 1 m)

2.3 - O Algoritmo de Cálculo por IQD

O Sistema de Cubagem de Jazidas desenvolvido pela Mineropar, contém algoritmos de cálculo de ponderação pelo Inverso do Quadrado das Distâncias, acrescidos de alguns conceitos geoestatísticos.

O primeiro deles é o do raio de influência e busca das amostras que comporão o teor de cada bloco de cubagem. Tal raio é variável conforme a estruturação da jazida, sendo fornecidas pelo usuário ao sistema as medidas da estruturação da jazida nas direções NS, EW e vertical, possibilitando assim a busca das amostras para cada bloco, com um filtro de distância que representa o elipsóide da anisotropia da jazida.

O segundo é a correção do teor médio ponderado pelo IQD, pelo estimador t de Sichel. Caso mais que cinco amostras tenham sido consideradas no cálculo do teor de um bloco, a média ponderada será corrigida pela variância dos teores das amostras na influência do bloco, de acordo com a fórmula abaixo (Krige, 1978)

$$\text{teor médio do bloco} = m * e^{0.5 * V}$$

onde m é o antilog da média dos logaritmos dos teores,
V é a variância dos logaritmos dos teores, normalizados pelo suporte

2.4 - Critério de Classificação das Reservas

O Sistema de Cubagem da Mineropar obedece a critérios de regionalização das variáveis e de estruturação da jazida, para a classificação das reservas de cada bloco unitário de cubagem:

a. quando, no mínimo uma amostra, daquelas utilizadas para o cálculo do teor de um bloco estiver contida no próprio bloco, a reserva daquele bloco é considerada como **Medida**;

b. quando, no mínimo uma amostra, daquelas utilizadas para o cálculo do teor de um bloco estiver contida no elipsóide de anisotropia da jazida, a reserva daquele bloco é considerada como **Indicada**;

c. quando, as amostras utilizadas para o cálculo do teor de um bloco estiverem contidas apenas no dobro do elipsóide de anisotropia da jazida, a reserva daquele bloco é considerada como **Inferida.**

3 - Parâmetros Utilizados Para a Estimativa de Reservas

3.1 - Dimensões dos Blocos Unitários de Cubagem

Em virtude da variabilidade dos teores o que confere uma característica de forte aleatoriedade ao ouro na jazida, o que ainda não permite um traçadoo claro para os variogramas, que podem definir as dimensões do elipsóide da anisotropia da jazida, optou-se pelo conhecimento adquirido pelos geólogos envolvidos na pesquisa. Desse modo, foram estabelecidas as seguintes dimensões para o elipsóide de anosotropia e para o bloco unitário de cubagem:

elipsóide de anisotropia	semi eixo NS	17.50 metros
	semi eixo EW	7,00 metros
	semi eixo vertical	12,50 metros
bloco unitário de cubagem	dimensão NS	15,00 metros
	dimensão EW	5,00 metros
	dimensão vertical	10,00 metros

Após os cálculos, foram considerados 2873 blocos unitários de cubagem.

3.2 - Seleção dos Teores de Corte

Para a escolha dos teores de corte utilizados na totalização das reservas, foi seguido o seguinte procedimento:

a. Construção do gráfico de probabilidade dos logaritmos dos teores;

b. Desmembramento da curva obtida, nas retas das populações isoladas;

c. Definição dos limiares que definem o campo de domínio de

cada uma das populações isoladas.

Os teores maiores que o limite de detecção do método analítico, totalizaram 668 observações. Foram individualizadas três populações por meio do gráfico de probabilidade, sendo lidos os seguintes limiares :

População 1	limiar superior	29,17 g/t
	limiar inferior	2,34 g/t
População 2	limiar superior	2,34 g/t
	limiar inferior	0,69 g/t
População 3	limiar superior	0,69 g/t
	limiar inferior	0,39 g/t

Os limiares referidos acima foram utilizados como teores de corte para efeito de totalização das reservas, acrescidos do valor de 1,00 g/t como referência. Para representação gráfica dos teores foi ainda considerado o valor de 0,10 g/t, que é o limite de detecção das análises efetuadas. Resumindo, foram representados os valores de 0,00 a 0,10 g/t, de 0,10 a 0,39 g/t, de 0,39 a 0,69 g/t, de 0,69 a 2,34 g/t e os maiores que 2,34 g/t.

4 - Conclusões

Os resultados obtidos na estimativa de reservas do Prospecto Rio do Ouro envolveram o tratamento dos dados disponíveis desde 1988, somados aos novos resultados obtidos em etapas de adensamento de trincheiras e sondagens, em 1990 e 1991. O cálculo de reservas foi efetuado com utilização do Sistema Automático de Cubagem, em fase de desenvolvimento pela GADT, utilizando-se a ponderação pelo inverso do quadrado das distâncias. Os resultados obtidos estão resumidos nos anexos a seguir, e as reservas medidas, indicadas e inferidas foram estabelecidas com base em critérios compatíveis com a atual legislação mineral.

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2 - KRIGE, D. G. Lognormal= de Wijsian geostatistics for ore evaluation. Johannesburg: South African Institute of Mining and Metallurgy, 1978, 50 p.

ANEXO I. RESUMOS DOS PARAMETROS GLOBAIS E LOCAIS.

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RELATORIO DOS DADOS DE PARAMETRO GLOBAIS

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Unidade de Medida das Coordenadas	m
Densidade Media	2.60
Limite Leste da Jazida	715930.00
Limite Oeste da Jazida	715600.00
Limite Norte da Jazida	7185095.00
Limite Sul da Jazida	7184245.00
Cota Maxima da Topografia	79.00
Cota Minima da Topografia	26.00
Dimensao do bloco na direcao Leste/Oeste	5.00
Dimensao do bloco na direcao Norte/Sul	15.00
Dimensao do bloco na direcao Vertical	10.00
Quantidade de blocos da direcao Leste/Oeste (Coluna)	66
Quantidade de blocos da direcao Norte/Sul (Linha)	57
Quantidade de blocos da direcao Vertical (Nivel)	15
Ampl. do variograma na direcao Leste/Oeste (Topografia)	15.00
Ampl. do variograma na direcao Norte/Sul (Topografia)	20.00

MINERAIS DO PARANA S.A.

RELATORIO DOS DADOS DE PARAMETRO LOCAIS

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Elemento Quimico	OURO
Unidade de Medida do Elemento Quimico	M
Teor de Corte 1	0.10
Teor de Corte 2	0.39
Teor de Corte 3	0.69
Teor de Corte 4	1.00
Teor de Corte 5	2.34
Quantidade de Blocos (Validos)	2873
Teor Maximo do Elemento Quimico	29.17
Teor Minimo do Elemento Quimico	0.05
Media Aritmetica	0.68
Variancia	4.1312
Desvio Padrao	2.0325
Media dos Logaritmos	-1.828507
Variancia dos Logaritmos	2.2303
Desvio Padrao dos Logaritmos	1.4934
Media Geometrica	0.160653
Desvio Geometrico	4.4523
Cota Maxima dos Dados de Pesquisa	79.00
Cota Minima dos Dados de Pesquisa	-70.00
Ampl. do variograma na direcao Leste/Oeste (Pesquisa)	7.00
Ampl. do variograma na direcao Norte/Sul (Pesquisa)	17.50
Ampl. do variograma na direcao Vertical (Pesquisa)	12.50

ANEXO II. RELATÓRIO DOS DADOS DE PESQUISA.

MINERAIS DO PARANA S.A.

RELATORIO DAS ENTIDADES DE PESQUISA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

LEGENDA.....: Campo TIPO = 'G' - Galeria, 'P' - Poco, 'S' - Sondagem, 'T' - Trincheira

Tipo	Identificacao	Inicio					Comprimento
		UTMLeste	UTMNorte	Cota	Azimute	Inclinacao	
S	RO-02	715790.00	7184595.00	31.20	90o 0' 0"	+ 55o 0' 0"	0.00
S	RO-03	715830.00	7184394.00	40.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-04	715730.00	7184895.00	57.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-05	715818.40	7184370.00	33.00	90o 0' 0"	+ 30o 0' 0"	0.00
S	RO-06	715818.60	7184342.50	34.00	90o 0' 0"	+ 30o 0' 0"	0.00
S	RO-07	715820.00	7184321.58	34.00	90o 0' 0"	+ 30o 0' 0"	0.00
S	RO-08	715819.00	7184295.30	30.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-09	715822.00	7184268.38	33.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-10	715828.00	7184421.00	39.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-11	715818.00	7184445.00	39.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-12	715806.00	7184471.00	36.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-13	715852.00	7184370.00	53.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-14	715855.00	7184394.00	57.00	90o 0' 0"	+ 45o 0' 0"	0.00
S	RO-15	715840.00	7184342.50	44.00	90o 0' 0"	+ 30o 0' 0"	0.00
S	RO-16	715812.00	7184495.40	39.00	90o 0' 0"	+ 30o 0' 0"	0.00
S	RO-17	715840.00	7184520.00	50.00	270o 0' 0"	+ 45o 0' 0"	0.00
S	RO-18	715840.00	7184520.00	50.00	270o 0' 0"	+ 60o 0' 0"	0.00
S	RO-19	715765.00	7184392.50	25.00	90o 0' 0"	+ 60o 0' 0"	0.00
S	RO-20	715835.00	7184294.00	36.00	90o 0' 0"	+ 45o 0' 0"	0.00
T	T-50	715863.00	7184297.00	40.00	-	-	0.00
T	T-75	715878.00	7184320.50	45.30	-	-	0.00
T	T-100	715883.00	7184345.00	51.50	-	-	0.00
T	T-125	715890.00	7184370.50	54.40	-	-	0.00
T	T-150	715890.00	7184394.50	60.00	-	-	0.00
T	T-175	715894.00	7184421.00	57.50	-	-	0.00
T	T-200	715890.00	7184445.00	58.60	-	-	0.00
T	T-225	715843.00	7184471.00	57.00	-	-	0.00
T	T-237	715832.00	7184482.50	50.00	-	-	0.00
T	T-250	715841.00	7184495.40	55.00	-	-	0.00
T	T-263	715826.00	7184508.00	48.50	-	-	0.00
T	T-275	715826.90	7184520.00	47.80	-	-	0.00
T	T-300	715838.00	7184545.00	41.50	-	-	0.00
T	T-325	715824.75	7184570.00	39.50	-	-	0.00
T	T-348	715822.00	7184593.00	35.40	-	-	0.00
T	T-400	715815.20	7184645.00	30.90	-	-	0.00
T	T-600	715794.00	7184845.00	48.30	-	-	0.00
T	T-650	715778.00	7184895.00	59.80	-	-	0.00
T	T-700	715718.00	7184945.00	63.00	-	-	0.00
T	T-701	715757.00	7184946.00	59.60	-	-	0.00
T	T-750	715729.00	7184995.00	61.00	-	-	0.00
T	T-800	715680.00	7185045.00	70.80	-	-	0.00

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

DADOS ESTATISTICOS

Teor Maximo.....:	29.17	Media Aritmetica.....:	0.68	Media dos Logaritmos.....:	-1.828507
Teor Minimo.....:	0.05	Variancia.....:	4.1312	Variancia dos Logaritmos..:	2.2303
No. Amostras.....:	2873	D Padrao.....:	2.0325	D Padrao dos Logaritmos..:	1.4934

LEGENDA.....: Tipo = 'G' - Galeria, 'P' - Poco, 'S' - Sondagem, 'T' - Trincheira

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-02	0.00	BOCA	715790.00	7184595.00	31.20	0.00		- PPM
S	RO-02	0.00	DF-3804	715790.00	7184595.00	31.20	2.15	SOLO	- PPM
S	RO-02	2.15	DF-3463	715791.23	7184595.00	29.44	0.85	SOLO	0.05 PPM
S	RO-02	3.00	DF-3464	715791.72	7184595.00	28.74	1.00	SOLO	0.05 PPM
S	RO-02	4.00	DF-3465	715792.29	7184595.00	27.92	1.00	GNAISSE	0.05 PPM
S	RO-02	5.00	DF-3466	715792.87	7184595.00	27.10	1.00	GNAISSE	0.05 PPM
S	RO-02	6.00	DF-3467	715793.44	7184595.00	26.29	1.00	GNAISSE	0.05 PPM
S	RO-02	7.00	DF-3468	715794.02	7184595.00	25.47	1.00	GNAISSE	0.05 PPM
S	RO-02	8.00	DF-3469	715794.59	7184595.00	24.65	1.00	GNAISSE	0.05 PPM
S	RO-02	9.00	DF-3470	715795.16	7184595.00	23.83	1.00	GNAISSE	0.05 PPM
S	RO-02	10.00	DF-3471	715795.74	7184595.00	23.01	1.00	GNAISSE	0.60 PPM
S	RO-02	11.00	DF-3472	715796.31	7184595.00	22.19	1.00	GNAISSE	0.78 PPM
S	RO-02	12.00	DF-3473	715796.88	7184595.00	21.37	1.00	GNAISSE	0.21 PPM
S	RO-02	13.00	DF-3474	715797.46	7184595.00	20.55	1.00	GNAISSE	0.43 PPM
S	RO-02	14.00	DF-3475	715798.03	7184595.00	19.73	1.00	GNAISSE	0.21 PPM
S	RO-02	15.00	DF-3476	715798.60	7184595.00	18.91	0.95	GNAISSE	2.67 PPM
S	RO-02	15.95	DF-3477	715799.15	7184595.00	18.13	0.30	QUARTZO	1.07 PPM
S	RO-02	16.25	DF-3478	715799.32	7184595.00	17.89	0.95	QUARTZO	0.28 PPM
S	RO-02	17.20	DF-3479	715799.87	7184595.00	17.11	1.00	QUARTZO	0.05 PPM
S	RO-02	18.20	DF-3480	715800.44	7184595.00	16.29	1.01	QUARTZO	3.50 PPM
S	RO-02	19.21	DF-3805	715801.02	7184595.00	15.46	0.14	QUARTZO	- PPM
S	RO-02	19.35	DF-3481	715801.10	7184595.00	15.35	0.35	QUARTZO	0.21 PPM
S	RO-02	19.70	DF-3482	715801.30	7184595.00	15.06	1.00	QUARTZO	0.05 PPM
S	RO-02	20.70	DF-3483	715801.87	7184595.00	14.24	1.00	QUARTZO	0.05 PPM
S	RO-02	21.70	DF-3484	715802.45	7184595.00	13.42	0.95	QUARTZO	0.05 PPM
S	RO-02	22.65	DF-3485	715802.99	7184595.00	12.65	1.00	QUARTZO	0.05 PPM
S	RO-02	23.65	DF-3486	715803.57	7184595.00	11.83	0.95	QUARTZO	0.93 PPM
S	RO-02	24.60	DF-3487	715804.11	7184595.00	11.05	1.02	QUARTZO	0.93 PPM
S	RO-02	25.62	DF-3488	715804.70	7184595.00	10.21	0.58	QUARTZO	0.64 PPM
S	RO-02	26.20	DF-3489	715805.03	7184595.00	9.74	0.32	QUARTZO	0.05 PPM
S	RO-02	26.52	DF-3490	715805.21	7184595.00	9.48	0.40	GNAISSE	0.43 PPM
S	RO-02	26.92	DF-3491	715805.44	7184595.00	9.15	0.83	GNAISSE	3.99 PPM
S	RO-02	27.75	DF-3492	715805.92	7184595.00	8.47	1.00	QUARTZO	1.41 PPM
S	RO-02	28.75	DF-3493	715806.49	7184595.00	7.65	0.70	GNAISSE	0.21 PPM
S	RO-02	29.45	DF-3494	715806.89	7184595.00	7.08	0.25	GNAISSE	0.05 PPM
S	RO-02	29.70	DF-3495	715807.04	7184595.00	6.87	0.20	GNAISSE	4.07 PPM
S	RO-02	29.90	DF-3496	715807.15	7184595.00	6.71	1.10	GNAISSE	0.24 PPM
S	RO-02	31.00	DF-3497	715807.78	7184595.00	5.81	1.00	QUARTZO	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-02	32.00	DF-3498	715808.35	7184595.00	4.99	1.00	GNAISSE	0.57 PPM
S	RO-02	33.00	DF-3499	715808.93	7184595.00	4.17	0.95	GNAISSE	0.36 PPM
S	RO-02	33.95	DF-3500	715809.47	7184595.00	3.39	1.05	GNAISSE	0.18 PPM
S	RO-02	35.00	DF-3501	715810.08	7184595.00	2.53	1.00	GNAISSE	0.28 PPM
S	RO-02	36.00	DF-3502	715810.65	7184595.00	1.71	1.00	ANFIBOL	0.17 PPM
S	RO-02	37.00	DF-3503	715811.22	7184595.00	0.89	1.00	ANFIBOL	0.05 PPM
S	RO-02	38.00	DF-3504	715811.80	7184595.00	0.07	1.00	ANFIBOL	0.24 PPM
S	RO-02	39.00	DF-3505	715812.37	7184595.00	-0.75	1.00	ANFIBOL	0.16 PPM
S	RO-02	40.00	DF-3506	715812.94	7184595.00	-1.57	1.00	ANFIBOL	0.05 PPM
S	RO-02	41.00	DF-3507	715813.52	7184595.00	-2.39	1.00	ANFIBOL	0.05 PPM
S	RO-02	42.00	DF-3508	715814.09	7184595.00	-3.20	1.00	ANFIBOL	0.05 PPM
S	RO-02	43.00	DF-3509	715814.66	7184595.00	-4.02	1.00	ANFIBOL	0.20 PPM
S	RO-02	44.00	DF-3510	715815.24	7184595.00	-4.84	1.00	ANFIBOL	0.05 PPM
S	RO-02	45.00	DF-3511	715815.81	7184595.00	-5.66	1.00	ANFIBOL	0.05 PPM
S	RO-02	46.00	DF-3512	715816.38	7184595.00	-6.48	1.00	ANFIBOL	0.05 PPM
S	RO-02	47.00	DF-3513	715816.96	7184595.00	-7.30	1.00	ANFIBOL	0.05 PPM
S	RO-02	48.00	DF-3514	715817.53	7184595.00	-8.12	1.00	ANFIBOL	0.05 PPM
S	RO-02	49.00	DF-3515	715818.11	7184595.00	-8.94	1.00	ANFIBOL	0.05 PPM
S	RO-02	50.00	FINAL	715818.68	7184595.00	-9.76	-50.00		- PPM
S	RO-03	0.00	BOCA	715830.00	7184394.00	40.00	0.00		- PPM
S	RO-03	0.00	DF-3347	715830.00	7184394.00	40.00	1.00	SOLO	0.62 PPM
S	RO-03	1.00	DF-3348	715830.71	7184394.00	39.29	1.40	SOLO	0.39 PPM
S	RO-03	2.40	DF-3349	715831.70	7184394.00	38.30	0.70	SOLO	0.23 PPM
S	RO-03	3.10	DF-3350	715832.19	7184394.00	37.81	1.00	QUARTZO	0.05 PPM
S	RO-03	4.10	DF-3351	715832.90	7184394.00	37.10	0.30	GNAISSE	0.05 PPM
S	RO-03	4.40	DF-3352	715833.11	7184394.00	36.89	0.40	QUARTZO	0.05 PPM
S	RO-03	4.80	DF-3353	715833.39	7184394.00	36.61	0.30	QUARTZO	0.05 PPM
S	RO-03	5.10	DF-3354	715833.61	7184394.00	36.39	0.85	QUARTZO	0.05 PPM
S	RO-03	5.95	DF-3355	715834.21	7184394.00	35.79	0.30	QUARTZO	0.05 PPM
S	RO-03	6.25	DF-3356	715834.42	7184394.00	35.58	0.35	QUARTZO	0.05 PPM
S	RO-03	6.60	DF-3357	715834.67	7184394.00	35.33	0.15	QUARTZO	0.05 PPM
S	RO-03	6.75	DF-3358	715834.77	7184394.00	35.23	1.00	GNAISSE	0.28 PPM
S	RO-03	7.75	DF-3359	715835.48	7184394.00	34.52	1.00	GNAISSE	0.17 PPM
S	RO-03	8.75	DF-3360	715836.19	7184394.00	33.81	0.55	GNAISSE	1.08 PPM
S	RO-03	9.30	DF-3361	715836.58	7184394.00	33.42	0.20	QUARTZO	0.05 PPM
S	RO-03	9.50	DF-3362	715836.72	7184394.00	33.28	0.35	GNAISSE	0.05 PPM
S	RO-03	9.85	DF-3363	715836.97	7184394.00	33.03	0.20	QUAETZO	0.05 PPM
S	RO-03	10.05	DF-3364	715837.11	7184394.00	32.89	0.60	QUAETZO	0.05 PPM
S	RO-03	10.65	DF-3365	715837.53	7184394.00	32.47	0.40	GNAISSE	0.05 PPM
S	RO-03	11.05	DF-3366	715837.81	7184394.00	32.19	1.00	GNAISSE	0.05 PPM
S	RO-03	12.05	DF-3367	715838.52	7184394.00	31.48	0.80	GNAISSE	1.66 PPM
S	RO-03	12.85	DF-3368	715839.09	7184394.00	30.91	0.90	GNAISSE	0.23 PPM
S	RO-03	13.75	DF-3369	715839.72	7184394.00	30.28	0.75	GNAISSE	4.17 PPM
S	RO-03	14.50	DF-3370	715840.25	7184394.00	29.75	0.70	GNAISSE	2.10 PPM
S	RO-03	15.20	DF-3371	715840.75	7184394.00	29.25	1.00	GNAISSE	2.15 PPM
S	RO-03	16.20	DF-3372	715841.46	7184394.00	28.54	0.60	QUARTZO	1.50 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-03	16.80	DF-3373	715841.88	7184394.00	28.12	0.85	GNAISSE	2.48 PPM
S	RO-03	17.65	DF-3374	715842.48	7184394.00	27.52	1.21	QUARTZO	0.05 PPM
S	RO-03	18.86	DF-3375	715843.34	7184394.00	26.66	0.89	QUARTZO	0.83 PPM
S	RO-03	19.75	DF-3376	715843.97	7184394.00	26.03	0.80	QUARTZO	0.20 PPM
S	RO-03	20.55	DF-3377	715844.53	7184394.00	25.47	0.85	QUARTZO	0.87 PPM
S	RO-03	21.40	DF-3378	715845.13	7184394.00	24.87	1.10	QUARTZO	1.01 PPM
S	RO-03	22.50	DF-3379	715845.91	7184394.00	24.09	1.15	GNAISSE	1.07 PPM
S	RO-03	23.65	DF-3806	715846.72	7184394.00	23.28	0.40	GNAISSE	- PPM
S	RO-03	24.05	DF-3380	715847.01	7184394.00	22.99	0.70	QUARTZO	0.05 PPM
S	RO-03	24.75	DF-3381	715847.50	7184394.00	22.50	0.30	GNAISSE	0.05 PPM
S	RO-03	25.05	DF-3382	715847.71	7184394.00	22.29	0.45	QUARTZO	0.28 PPM
S	RO-03	25.50	DF-3383	715848.03	7184394.00	21.97	0.25	QUARTZO	0.05 PPM
S	RO-03	25.75	DF-3384	715848.21	7184394.00	21.79	1.00	GNAISSE	0.05 PPM
S	RO-03	26.75	DF-3385	715848.92	7184394.00	21.08	1.00	GNAISSE	0.05 PPM
S	RO-03	27.75	DF-3386	715849.62	7184394.00	20.38	1.00	GNAISSE	0.05 PPM
S	RO-03	28.75	DF-3387	715850.33	7184394.00	19.67	1.00	GNAISSE	7.64 PPM
S	RO-03	29.75	DF-3388	715851.04	7184394.00	18.96	0.95	GNAISSE	0.05 PPM
S	RO-03	30.70	DF-3389	715851.71	7184394.00	18.29	1.00	GNAISSE	0.05 PPM
S	RO-03	31.70	DF-3390	715852.42	7184394.00	17.58	1.25	GNAISSE	0.05 PPM
S	RO-03	32.95	DF-3391	715853.30	7184394.00	16.70	0.45	QUARTZO	0.05 PPM
S	RO-03	33.40	DF-3392	715853.62	7184394.00	16.38	1.00	GNAISSE	0.05 PPM
S	RO-03	34.40	DF-3393	715854.32	7184394.00	15.68	1.00	GNAISSE	0.05 PPM
S	RO-03	35.40	DF-3394	715855.03	7184394.00	14.97	1.00	GNAISSE	0.05 PPM
S	RO-03	36.40	DF-3395	715855.74	7184394.00	14.26	1.40	GNAISSE	0.05 PPM
S	RO-03	37.80	DF-3396	715856.73	7184394.00	13.27	1.00	GNAISSE	0.05 PPM
S	RO-03	38.80	DF-3397	715857.44	7184394.00	12.56	1.00	GNAISSE	0.05 PPM
S	RO-03	39.80	DF-3398	715858.14	7184394.00	11.86	1.25	GNAISSE	0.05 PPM
S	RO-03	41.05	DF-3399	715859.03	7184394.00	10.97	1.30	GNAISSE	0.05 PPM
S	RO-03	42.35	DF-3400	715859.95	7184394.00	10.05	1.00	GNAISSE	0.05 PPM
S	RO-03	43.35	DF-3401	715860.65	7184394.00	9.35	0.90	GNAISSE	0.05 PPM
S	RO-03	44.25	DF-3807	715861.29	7184394.00	8.71	0.70	GNAISSE	- PPM
S	RO-03	44.95	DF-3402	715861.78	7184394.00	8.22	0.90	GNAISSE	0.05 PPM
S	RO-03	45.85	DF-3808	715862.42	7184394.00	7.58	0.45	GNAISSE	- PPM
S	RO-03	46.30	DF-3403	715862.74	7184394.00	7.26	1.00	GNAISSE	0.05 PPM
S	RO-03	47.30	DF-3404	715863.45	7184394.00	6.55	1.00	GNAISSE	0.05 PPM
S	RO-03	48.30	DF-3405	715864.15	7184394.00	5.85	1.00	GNAISSE	0.05 PPM
S	RO-03	49.30	DF-3406	715864.86	7184394.00	5.14	1.00	GNAISSE	0.05 PPM
S	RO-03	50.30	DF-3407	715865.57	7184394.00	4.43	1.00	ANFIBOL	0.05 PPM
S	RO-03	51.30	DF-3408	715866.27	7184394.00	3.73	1.00	ANFIBOL	0.05 PPM
S	RO-03	52.30	DF-3409	715866.98	7184394.00	3.02	1.00	ANFIBOL	0.05 PPM
S	RO-03	53.30	DF-3410	715867.69	7184394.00	2.31	1.00	ANFIBOL	0.05 PPM
S	RO-03	54.30	DF-3411	715868.40	7184394.00	1.60	1.00	ANFIBOL	0.05 PPM
S	RO-03	55.30	DF-3412	715869.10	7184394.00	0.90	1.00	ANFIBOL	0.05 PPM
S	RO-03	56.30	DF-3413	715869.81	7184394.00	0.19	1.00	ANFIBOL	0.05 PPM
S	RO-03	57.30	DF-3414	715870.52	7184394.00	-0.52	1.05	ANFIBOL	0.05 PPM
S	RO-03	58.35	DF-3415	715871.26	7184394.00	-1.26	1.65	ANFIBOL	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-03	60.00	FINAL	715872.43	7184394.00	-2.43	-60.00		- PPM
S	RO-04	0.00	BOCA	715730.00	7184895.00	57.00	0.00		- PPM
S	RO-04	0.00	DF-3516	715730.00	7184895.00	57.00	1.75	SOLO	0.05 PPM
S	RO-04	1.75	DF-3517	715731.24	7184895.00	55.76	1.25	SOLO	0.05 PPM
S	RO-04	3.00	DF-3518	715732.12	7184895.00	54.88	1.00	GNAISSE	0.05 PPM
S	RO-04	4.00	DF-3519	715732.83	7184895.00	54.17	1.00	GNAISSE	0.05 PPM
S	RO-04	5.00	DF-3520	715733.54	7184895.00	53.46	1.00	GNAISSE	0.05 PPM
S	RO-04	6.00	DF-3521	715734.24	7184895.00	52.76	1.00	GNAISSE	0.05 PPM
S	RO-04	7.00	DF-3522	715734.95	7184895.00	52.05	1.00	GNAISSE	0.05 PPM
S	RO-04	8.00	DF-3523	715735.66	7184895.00	51.34	1.00	GNAISSE	0.05 PPM
S	RO-04	9.00	DF-3524	715736.36	7184895.00	50.64	1.00	GNAISSE	0.05 PPM
S	RO-04	10.00	DF-3525	715737.07	7184895.00	49.93	1.00	GNAISSE	0.05 PPM
S	RO-04	11.00	DF-3526	715737.78	7184895.00	49.22	1.00	GNAISSE	0.05 PPM
S	RO-04	12.00	DF-3527	715738.49	7184895.00	48.51	1.20	GNAISSE	0.05 PPM
S	RO-04	13.20	DF-3528	715739.33	7184895.00	47.67	0.80	GNAISSE	0.05 PPM
S	RO-04	14.00	DF-3529	715739.90	7184895.00	47.10	1.00	GNAISSE	0.05 PPM
S	RO-04	15.00	DF-3530	715740.61	7184895.00	46.39	1.00	GNAISSE	0.05 PPM
S	RO-04	16.00	DF-3531	715741.31	7184895.00	45.69	0.80	GNAISSE	0.05 PPM
S	RO-04	16.80	DF-3532	715741.88	7184895.00	45.12	0.45	GNAISSE	0.05 PPM
S	RO-04	17.25	DF-3533	715742.20	7184895.00	44.80	0.75	GNAISSE	0.05 PPM
S	RO-04	18.00	DF-3534	715742.73	7184895.00	44.27	1.00	GNAISSE	0.05 PPM
S	RO-04	19.00	DF-3535	715743.44	7184895.00	43.56	1.00	GNAISSE	0.05 PPM
S	RO-04	20.00	DF-3536	715744.14	7184895.00	42.86	1.00	GNAISSE	0.05 PPM
S	RO-04	21.00	DF-3537	715744.85	7184895.00	42.15	1.00	GNAISSE	0.05 PPM
S	RO-04	22.00	DF-3538	715745.56	7184895.00	41.44	0.95	GNAISSE	0.05 PPM
S	RO-04	22.95	DF-3539	715746.23	7184895.00	40.77	0.75	GNAISSE	0.05 PPM
S	RO-04	23.70	DF-3540	715746.76	7184895.00	40.24	1.30	GNAISSE	0.05 PPM
S	RO-04	25.00	DF-3541	715747.68	7184895.00	39.32	1.00	GNAISSE	0.05 PPM
S	RO-04	26.00	DF-3542	715748.38	7184895.00	38.62	1.00	GNAISSE	0.05 PPM
S	RO-04	27.00	DF-3543	715749.09	7184895.00	37.91	1.00	GNAISSE	0.05 PPM
S	RO-04	28.00	DF-3544	715749.80	7184895.00	37.20	1.00	GNAISSE	0.05 PPM
S	RO-04	29.00	DF-3545	715750.51	7184895.00	36.49	1.00	GNAISSE	0.05 PPM
S	RO-04	30.00	DF-3546	715751.21	7184895.00	35.79	1.00	GNAISSE	0.05 PPM
S	RO-04	31.00	DF-3547	715751.92	7184895.00	35.08	0.90	GNAISSE	0.05 PPM
S	RO-04	31.90	DF-3548	715752.56	7184895.00	34.44	1.10	GNAISSE	0.05 PPM
S	RO-04	33.00	DF-3549	715753.33	7184895.00	33.67	0.65	GNAISSE	0.05 PPM
S	RO-04	33.65	DF-3550	715753.79	7184895.00	33.21	0.35	QUARTZO	0.05 PPM
S	RO-04	34.00	DF-3551	715754.04	7184895.00	32.96	1.00	QUARTZO	0.05 PPM
S	RO-04	35.00	DF-3552	715754.75	7184895.00	32.25	1.00	QUARTZO	0.05 PPM
S	RO-04	36.00	DF-3553	715755.46	7184895.00	31.54	1.05	QUARTZO	0.05 PPM
S	RO-04	37.05	DF-3554	715756.20	7184895.00	30.80	1.60	QUARTZO	0.64 PPM
S	RO-04	38.65	DF-3555	715757.33	7184895.00	29.67	1.00	QUARTZO	7.49 PPM
S	RO-04	39.65	DF-3556	715758.04	7184895.00	28.96	0.35	QUARTZO	2.33 PPM
S	RO-04	40.00	DF-3557	715758.28	7184895.00	28.72	0.20	GNAISSE	0.05 PPM
S	RO-04	40.20	DF-3558	715758.43	7184895.00	28.57	0.50	GNAISSE	0.64 PPM
S	RO-04	40.70	DF-3559	715758.78	7184895.00	28.22	1.30	GNAISSE	0.30 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-04	42.00	DF-3560	715759.70	7184895.00	27.30	1.00	GNAISSE	0.05 PPM
S	RO-04	43.00	DF-3561	715760.41	7184895.00	26.59	1.00	GNAISSE	0.05 PPM
S	RO-04	44.00	DF-3562	715761.11	7184895.00	25.89	1.00	GNAISSE	0.05 PPM
S	RO-04	45.00	DF-3563	715761.82	7184895.00	25.18	1.00	GNAISSE	0.05 PPM
S	RO-04	46.00	DF-3564	715762.53	7184895.00	24.47	1.00	GNAISSE	0.05 PPM
S	RO-04	47.00	DF-3565	715763.23	7184895.00	23.77	1.00	GNAISSE	0.05 PPM
S	RO-04	48.00	DF-3566	715763.94	7184895.00	23.06	1.00	GNAISSE	0.05 PPM
S	RO-04	49.00	DF-3567	715764.65	7184895.00	22.35	1.00	GNAISSE	0.05 PPM
S	RO-04	50.00	DF-3568	715765.36	7184895.00	21.64	1.00	GNAISSE	0.05 PPM
S	RO-04	51.00	DF-3569	715766.06	7184895.00	20.94	1.00	GNAISSE	0.05 PPM
S	RO-04	52.00	DF-3570	715766.77	7184895.00	20.23	1.00	GNAISSE	0.05 PPM
S	RO-04	53.00	DF-3571	715767.48	7184895.00	19.52	1.00	GNAISSE	0.05 PPM
S	RO-04	54.00	DF-3572	715768.18	7184895.00	18.82	1.00	GNAISSE	0.05 PPM
S	RO-04	55.00	DF-3573	715768.89	7184895.00	18.11	1.00	GNAISSE	0.05 PPM
S	RO-04	56.00	DF-3574	715769.60	7184895.00	17.40	1.00	GNAISSE	0.05 PPM
S	RO-04	57.00	DF-3575	715770.31	7184895.00	16.69	1.00	GNAISSE	0.05 PPM
S	RO-04	58.00	DF-3576	715771.01	7184895.00	15.99	1.00	GNAISSE	0.05 PPM
S	RO-04	59.00	DF-3577	715771.72	7184895.00	15.28	1.00	GNAISSE	0.05 PPM
S	RO-04	60.00	FINAL	715772.43	7184895.00	14.57	-60.00		- PPM
S	RO-05	0.00	BOCA	715818.40	7184370.00	33.00	0.00		- PPM
S	RO-05	0.00	DF-2519	715818.40	7184370.00	33.00	1.00	SOLO	0.81 PPM
S	RO-05	1.00	DF-2520	715819.27	7184370.00	32.50	1.00	SOLO	0.40 PPM
S	RO-05	2.00	DF-2521	715820.13	7184370.00	32.00	1.00	SOLO	0.38 PPM
S	RO-05	3.00	DF-2522	715821.00	7184370.00	31.50	1.00	SOLO	0.28 PPM
S	RO-05	4.00	DF-2523	715821.86	7184370.00	31.00	1.00	GNAISSE	0.05 PPM
S	RO-05	5.00	DF-2524	715822.73	7184370.00	30.50	1.00	GNAISSE	0.05 PPM
S	RO-05	6.00	DF-2525	715823.60	7184370.00	30.00	1.00	GNAISSE	0.05 PPM
S	RO-05	7.00	DF-2526	715824.46	7184370.00	29.50	1.00	GNAISSE	0.05 PPM
S	RO-05	8.00	DF-2527	715825.33	7184370.00	29.00	1.00	GNAISSE	0.05 PPM
S	RO-05	9.00	DF-2528	715826.19	7184370.00	28.50	1.00	GNAISSE	0.05 PPM
S	RO-05	10.00	DF-2529	715827.06	7184370.00	28.00	1.00	GNAISSE	0.05 PPM
S	RO-05	11.00	DF-2530	715827.93	7184370.00	27.50	1.00	GNAISSE	0.05 PPM
S	RO-05	12.00	DF-2531	715828.79	7184370.00	27.00	1.00	GNAISSE	0.60 PPM
S	RO-05	13.00	DF-2532	715829.66	7184370.00	26.50	1.00	GNAISSE	0.65 PPM
S	RO-05	14.00	DF-2533	715830.52	7184370.00	26.00	1.00	GNAISSE	2.37 PPM
S	RO-05	15.00	DF-2534	715831.39	7184370.00	25.50	0.60	GNAISSE	0.82 PPM
S	RO-05	15.60	DF-2535	715831.91	7184370.00	25.20	0.40	QUARTZO	0.56 PPM
S	RO-05	16.00	DF-2536	715832.26	7184370.00	25.00	1.00	QUARTZO	0.84 PPM
S	RO-05	17.00	DF-2537	715833.12	7184370.00	24.50	1.00	QUARTZO	1.73 PPM
S	RO-05	18.00	DF-2538	715833.99	7184370.00	24.00	1.00	QUARTZO	0.05 PPM
S	RO-05	19.00	DF-2539	715834.85	7184370.00	23.50	1.00	QUARTZO	4.28 PPM
S	RO-05	20.00	DF-2540	715835.72	7184370.00	23.00	1.00	QUARTZO	5.67 PPM
S	RO-05	21.00	DF-2541	715836.59	7184370.00	22.50	1.00	QUARTZO	0.05 PPM
S	RO-05	22.00	DF-2542	715837.45	7184370.00	22.00	1.00	QUARTZO	2.45 PPM
S	RO-05	23.00	DF-2543	715838.32	7184370.00	21.50	0.55	QUARTZO	2.14 PPM
S	RO-05	23.55	DF-2544	715838.79	7184370.00	21.22	0.95	GNAISSE	6.54 PPM

MINERAIS DO PARANA S.A.

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-05	24.50	DF-2545	715839.62	7184370.00	20.75	1.00	GRANITO	0.05 PPM
S	RO-05	25.50	DF-2546	715840.48	7184370.00	20.25	0.50	XISTOS	0.56 PPM
S	RO-05	26.00	DF-2547	715840.92	7184370.00	20.00	1.00	XISTOS	0.68 PPM
S	RO-05	27.00	DF-2548	715841.78	7184370.00	19.50	1.00	XISTOS	0.57 PPM
S	RO-05	28.00	DF-2549	715842.65	7184370.00	19.00	1.00	XISTOS	0.05 PPM
S	RO-05	29.00	DF-2550	715843.51	7184370.00	18.50	1.00	ANFIBOL	0.05 PPM
S	RO-05	30.00	MEDIDA	715844.41	7184370.03	18.05	0.00		- PPM
S	RO-05	30.00	DF-2551	715844.41	7184370.03	18.05	1.00	ANFIBOL	0.05 PPM
S	RO-05	31.00	DF-2552	715845.30	7184370.06	17.61	1.00	ANFIBOL	0.05 PPM
S	RO-05	32.00	DF-2553	715846.20	7184370.09	17.16	1.00	ANFIBOL	0.05 PPM
S	RO-05	33.00	DF-2554	715847.09	7184370.12	16.72	1.00	ANFIBOL	0.05 PPM
S	RO-05	34.00	DF-2555	715847.99	7184370.16	16.27	1.00	ANFIBOL	0.05 PPM
S	RO-05	35.00	DF-2556	715848.88	7184370.19	15.82	1.00	ANFIBOL	0.05 PPM
S	RO-05	36.00	DF-2557	715849.78	7184370.22	15.38	1.00	ANFIBOL	0.05 PPM
S	RO-05	37.00	DF-2558	715850.67	7184370.25	14.93	1.00	ANFIBOL	0.05 PPM
S	RO-05	38.00	DF-2559	715851.56	7184370.28	14.48	1.00	ANFIBOL	0.05 PPM
S	RO-05	39.00	DF-2560	715852.46	7184370.31	14.04	1.00	FELDSPATO	0.05 PPM
S	RO-05	40.00	DF-2561	715853.35	7184370.34	13.59	1.00	FELDSPATO	0.05 PPM
S	RO-05	41.00	DF-2562	715854.25	7184370.37	13.15	1.00	FELDSPATO	0.05 PPM
S	RO-05	42.00	DF-2563	715855.14	7184370.41	12.70	1.00	FELDSPATO	0.05 PPM
S	RO-05	43.00	DF-2564	715856.04	7184370.44	12.25	1.00	FELDSPATO	0.05 PPM
S	RO-05	44.00	DF-2565	715856.93	7184370.47	11.81	1.00	FELDSPATO	0.05 PPM
S	RO-05	45.00	DF-2566	715857.82	7184370.50	11.36	1.00	GNAISSE	0.05 PPM
S	RO-05	46.00	DF-2567	715858.72	7184370.53	10.91	1.00	GNAISSE	0.05 PPM
S	RO-05	47.00	DF-2568	715859.61	7184370.56	10.47	1.00	ANFIBOL	0.05 PPM
S	RO-05	48.00	DF-2569	715860.51	7184370.59	10.02	1.00	ANFIBOL	0.05 PPM
S	RO-05	49.00	DF-2570	715861.40	7184370.62	9.58	1.00	ANFIBOL	0.05 PPM
S	RO-05	50.00	DF-2571	715862.30	7184370.66	9.13	1.00	ANFIBOL	0.05 PPM
S	RO-05	51.00	DF-2572	715863.19	7184370.69	8.68	1.00	ANFIBOL	0.05 PPM
S	RO-05	52.00	DF-2573	715864.09	7184370.72	8.24	1.00	ANFIBOL	0.05 PPM
S	RO-05	53.00	DF-2574	715864.98	7184370.75	7.79	1.00	ANFIBOL	0.05 PPM
S	RO-05	54.00	DF-2575	715865.87	7184370.78	7.35	1.00	ANFIBOL	0.05 PPM
S	RO-05	55.00	DF-2576	715866.77	7184370.81	6.90	1.00	ANFIBOL	0.05 PPM
S	RO-05	56.00	DF-2577	715867.66	7184370.84	6.45	1.00	ANFIBOL	0.05 PPM
S	RO-05	57.00	DF-2578	715868.56	7184370.87	6.01	1.00	ANFIBOL	0.05 PPM
S	RO-05	58.00	DF-2579	715869.45	7184370.91	5.56	1.00	ANFIBOL	0.05 PPM
S	RO-05	59.00	DF-2580	715870.35	7184370.94	5.11	1.00	GNANFIB	0.05 PPM
S	RO-05	60.00	MEDIDA	715871.24	7184370.97	4.67	0.00		- PPM
S	RO-05	60.00	DF-2581	715871.24	7184370.97	4.67	1.00	GNANFIB	0.05 PPM
S	RO-05	61.00	DF-2582	715872.16	7184371.02	4.28	1.00	GRANFIB	0.05 PPM
S	RO-05	62.00	DF-2583	715873.08	7184371.06	3.89	1.00	GRANFIB	0.05 PPM
S	RO-05	63.00	DF-2584	715874.00	7184371.11	3.50	1.00	GRANFIB	0.05 PPM
S	RO-05	64.00	DF-2585	715874.92	7184371.16	3.10	1.00	GRANFIB	0.05 PPM
S	RO-05	65.00	DF-2586	715875.84	7184371.21	2.71	1.00	GRANFIB	0.05 PPM
S	RO-05	66.00	DF-2587	715876.76	7184371.26	2.32	1.00	GRANFIB	0.05 PPM
S	RO-05	67.00	DF-2588	715877.68	7184371.31	1.93	1.00	GRANFIB	0.05 PPM

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S	RO-05	68.00	DF-2589	715878.59	7184371.35	1.54	1.00	GRANFIB	0.05 PPM
S	RO-05	69.00	DF-2590	715879.51	7184371.40	1.15	1.00	GRANFIB	0.05 PPM
S	RO-05	70.00	FINAL	715880.43	7184371.45	0.76	-70.00		- PPM
S	RO-06	0.00	BOCA	715818.60	7184342.50	34.00	0.00		- PPM
S	RO-06	0.00	DF-2591	715818.60	7184342.50	34.00	1.00	SOLO	0.85 PPM
S	RO-06	1.00	DF-2592	715819.47	7184342.50	33.50	1.00	SOLO	0.56 PPM
S	RO-06	2.00	DF-2593	715820.33	7184342.50	33.00	1.00	SOLO	1.52 PPM
S	RO-06	3.00	DF-2594	715821.20	7184342.50	32.50	1.00	SOLO	0.78 PPM
S	RO-06	4.00	DF-2595	715822.06	7184342.50	32.00	1.00	GNAISSE	0.91 PPM
S	RO-06	5.00	DF-2596	715822.93	7184342.50	31.50	1.00	GNAISSE	0.44 PPM
S	RO-06	6.00	DF-2597	715823.80	7184342.50	31.00	1.00	SOLO	0.66 PPM
S	RO-06	7.00	DF-2598	715824.66	7184342.50	30.50	1.00	QUARTZO	0.98 PPM
S	RO-06	8.00	DF-2599	715825.53	7184342.50	30.00	1.00	QUARTZO	0.05 PPM
S	RO-06	9.00	DF-2600	715826.39	7184342.50	29.50	1.00	GNAISSE	0.78 PPM
S	RO-06	10.00	DF-2601	715827.26	7184342.50	29.00	1.00	GNAISSE	0.48 PPM
S	RO-06	11.00	DF-2602	715828.13	7184342.50	28.50	1.00	GNAISSE	0.05 PPM
S	RO-06	12.00	DF-2603	715828.99	7184342.50	28.00	1.00	XISTOS	0.05 PPM
S	RO-06	13.00	DF-2604	715829.86	7184342.50	27.50	1.00	XISTOS	0.30 PPM
S	RO-06	14.00	DF-2605	715830.72	7184342.50	27.00	1.00	XISTOS	0.05 PPM
S	RO-06	15.00	DF-2606	715831.59	7184342.50	26.50	1.00	XISTOS	0.05 PPM
S	RO-06	16.00	DF-2607	715832.46	7184342.50	26.00	1.00	XISTOS	0.05 PPM
S	RO-06	17.00	DF-2608	715833.32	7184342.50	25.50	1.00	GNAISSE	0.05 PPM
S	RO-06	18.00	DF-2609	715834.19	7184342.50	25.00	1.00	GNAISSE	0.05 PPM
S	RO-06	19.00	DF-2610	715835.05	7184342.50	24.50	1.00	GNAISSE	0.05 PPM
S	RO-06	20.00	DF-2611	715835.92	7184342.50	24.00	1.00	GNAISSE	0.05 PPM
S	RO-06	21.00	DF-2612	715836.79	7184342.50	23.50	1.00	GNAISSE	0.05 PPM
S	RO-06	22.00	DF-2613	715837.65	7184342.50	23.00	1.00	GNAISSE	0.05 PPM
S	RO-06	23.00	DF-2614	715838.52	7184342.50	22.50	1.00	GNAISSE	0.05 PPM
S	RO-06	24.00	DF-2615	715839.38	7184342.50	22.00	1.00	GNAISSE	0.05 PPM
S	RO-06	25.00	MEDIDA	715840.25	7184342.50	21.50	0.00		- PPM
S	RO-06	25.00	DF-2616	715840.25	7184342.50	21.50	1.00	ANFIBOL	0.05 PPM
S	RO-06	26.00	DF-2617	715841.14	7184342.52	21.05	1.00	ANFIBOL	0.05 PPM
S	RO-06	27.00	DF-2618	715842.03	7184342.53	20.59	1.00	ANFIBOL	0.05 PPM
S	RO-06	28.00	DF-2619	715842.92	7184342.55	20.14	1.00	GNANFIB	0.05 PPM
S	RO-06	29.00	DF-2620	715843.81	7184342.56	19.68	1.00	GNANFIB	0.05 PPM
S	RO-06	30.00	DF-2621	715844.70	7184342.58	19.23	1.00	GNANFIB	0.05 PPM
S	RO-06	31.00	DF-2622	715845.60	7184342.59	18.78	1.00	ANFIBOL	0.05 PPM
S	RO-06	32.00	DF-2623	715846.49	7184342.61	18.32	1.00	ANFIBOL	0.05 PPM
S	RO-06	33.00	DF-2624	715847.38	7184342.62	17.87	1.00	ANFIBOL	0.05 PPM
S	RO-06	34.00	DF-2625	715848.27	7184342.64	17.41	1.00	ANFIBOL	0.05 PPM
S	RO-06	35.00	DF-2626	715849.16	7184342.66	16.96	1.00	ANFIBOL	0.05 PPM
S	RO-06	36.00	DF-2627	715850.05	7184342.67	16.51	1.00	ANFIBOL	0.05 PPM
S	RO-06	37.00	DF-2628	715850.94	7184342.69	16.05	1.00	ANFIBOL	0.05 PPM
S	RO-06	38.00	DF-2629	715851.83	7184342.70	15.60	1.00	ANFIBOL	0.05 PPM
S	RO-06	39.00	DF-2630	715852.72	7184342.72	15.14	1.00	ANFIBOL	0.05 PPM
S	RO-06	40.00	DF-2631	715853.61	7184342.73	14.69	1.00	GNANFIB	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-06	41.00	DF-2632	715854.50	7184342.75	14.24	1.00	GNANFIB	0.05 PPM
S	RO-06	42.00	DF-2633	715855.40	7184342.76	13.78	1.00	ANFIBOL	0.05 PPM
S	RO-06	43.00	DF-2634	715856.29	7184342.78	13.33	1.00	GNANFIB	0.05 PPM
S	RO-06	44.00	DF-2635	715857.18	7184342.80	12.87	1.00	GNANFIB	0.05 PPM
S	RO-06	45.00	DF-2636	715858.07	7184342.81	12.42	1.00	GNANFIB	0.05 PPM
S	RO-06	46.00	DF-2637	715858.96	7184342.83	11.97	1.00	ANFIBOL	0.05 PPM
S	RO-06	47.00	DF-2638	715859.85	7184342.84	11.51	1.00	ANFIBOL	0.05 PPM
S	RO-06	48.00	DF-2639	715860.74	7184342.86	11.06	1.00	GNANFIB	0.05 PPM
S	RO-06	49.00	DF-2640	715861.63	7184342.87	10.60	1.00	GNANFIB	0.05 PPM
S	RO-06	50.00	FINAL	715862.55	7184342.89	10.21	-50.00		- PPM
S	RO-06	50.00	MEDIDA	715862.55	7184342.89	10.21	0.00		- PPM
S	RO-07	0.00	BOCA	715820.00	7184321.58	34.00	0.00		- PPM
S	RO-07	0.00	DF-2641	715820.00	7184321.58	34.00	1.00	SOLO	0.72 PPM
S	RO-07	1.00	DF-2642	715820.87	7184321.58	33.50	1.00	SOLO	1.48 PPM
S	RO-07	2.00	DF-2643	715821.73	7184321.58	33.00	1.00	SOLO	0.76 PPM
S	RO-07	3.00	DF-2644	715822.60	7184321.58	32.50	1.00	SOLO	0.98 PPM
S	RO-07	4.00	DF-2645	715823.46	7184321.58	32.00	1.00	SOLO	0.67 PPM
S	RO-07	5.00	DF-2646	715824.33	7184321.58	31.50	1.00	GNAISSE	0.42 PPM
S	RO-07	6.00	DF-2647	715825.20	7184321.58	31.00	1.00	GNAISSE	0.05 PPM
S	RO-07	7.00	DF-2648	715826.06	7184321.58	30.50	1.00	GNAISSE	0.05 PPM
S	RO-07	8.00	DF-2649	715826.93	7184321.58	30.00	1.00	GNAISSE	0.05 PPM
S	RO-07	9.00	DF-2650	715827.79	7184321.58	29.50	1.00	GNAISSE	0.05 PPM
S	RO-07	10.00	DF-2651	715828.66	7184321.58	29.00	1.00	GNAISSE	0.05 PPM
S	RO-07	11.00	DF-2652	715829.53	7184321.58	28.50	1.00	GNAISSE	0.05 PPM
S	RO-07	12.00	DF-2653	715830.39	7184321.58	28.00	1.00	GNAISSE	0.95 PPM
S	RO-07	13.00	DF-2654	715831.26	7184321.58	27.50	1.00	GNAISSE	0.05 PPM
S	RO-07	14.00	DF-2655	715832.12	7184321.58	27.00	1.00	GNAISSE	0.05 PPM
S	RO-07	15.00	DF-2656	715832.99	7184321.58	26.50	1.00	GNAISSE	0.05 PPM
S	RO-07	16.00	DF-2657	715833.86	7184321.58	26.00	1.00	GNAISSE	0.05 PPM
S	RO-07	17.00	DF-2658	715834.72	7184321.58	25.50	1.00	GNAISSE	0.05 PPM
S	RO-07	18.00	DF-2659	715835.59	7184321.58	25.00	1.00	GNAISSE	0.32 PPM
S	RO-07	19.00	DF-2660	715836.45	7184321.58	24.50	1.00	GNAISSE	0.05 PPM
S	RO-07	20.00	DF-2661	715837.32	7184321.58	24.00	1.00	GNAISSE	0.05 PPM
S	RO-07	21.00	DF-2662	715838.19	7184321.58	23.50	1.00	GNAISSE	0.05 PPM
S	RO-07	22.00	DF-2663	715839.05	7184321.58	23.00	1.00	ANFIBOL	0.05 PPM
S	RO-07	23.00	DF-2664	715839.92	7184321.58	22.50	1.00	GNANFIB	0.05 PPM
S	RO-07	24.00	DF-2665	715840.78	7184321.58	22.00	1.00	GNANFIB	0.05 PPM
S	RO-07	25.00	MEDIDA	715841.65	7184321.58	21.50	0.00	GNANFIB	- PPM
S	RO-07	25.00	DF-2666	715841.65	7184321.58	21.50	1.00	GNANFIB	0.05 PPM
S	RO-07	26.00	DF-2667	715842.56	7184321.55	21.08	1.00	GNANFIB	0.05 PPM
S	RO-07	27.00	DF-2668	715843.46	7184321.52	20.65	1.00	GNANFIB	0.05 PPM
S	RO-07	28.00	DF-2669	715844.37	7184321.49	20.23	1.00	GNANFIB	0.05 PPM
S	RO-07	29.00	DF-2670	715845.27	7184321.45	19.81	1.00	GNANFIB	0.05 PPM
S	RO-07	30.00	DF-2671	715846.18	7184321.42	19.39	1.00	GNANFIB	0.05 PPM
S	RO-07	31.00	DF-2672	715847.09	7184321.39	18.96	1.00	GNANFIB	0.05 PPM
S	RO-07	32.00	DF-2673	715847.99	7184321.36	18.54	1.00	GNANFIB	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-07	33.00	DF-2674	715848.90	7184321.33	18.12	1.00	GNANFIB	0.05 PPM
S	RO-07	34.00	DF-2675	715849.80	7184321.30	17.70	1.00	GNANFIB	0.05 PPM
S	RO-07	35.00	DF-2676	715850.71	7184321.26	17.27	1.00	GNANFIB	0.05 PPM
S	RO-07	36.00	DF-2677	715851.61	7184321.23	16.85	1.00	GNANFIB	0.05 PPM
S	RO-07	37.00	DF-2678	715852.52	7184321.20	16.43	1.00	GNANFIB	0.05 PPM
S	RO-07	38.00	DF-2679	715853.43	7184321.17	16.01	1.00	GNANFIB	0.05 PPM
S	RO-07	39.00	DF-2680	715854.33	7184321.14	15.58	1.00	GNANFIB	0.05 PPM
S	RO-07	40.00	DF-2681	715855.24	7184321.11	15.16	1.00	GNANFIB	0.30 PPM
S	RO-07	41.00	DF-2682	715856.14	7184321.07	14.74	1.00	GNANFIB	0.05 PPM
S	RO-07	42.00	DF-2683	715857.05	7184321.04	14.32	1.00	GNANFIB	0.05 PPM
S	RO-07	43.00	DF-2684	715857.95	7184321.01	13.89	1.00	GNANFIB	0.05 PPM
S	RO-07	44.00	DF-2685	715858.86	7184320.98	13.47	1.00	GNANFIB	0.05 PPM
S	RO-07	45.00	DF-2686	715859.77	7184320.95	13.05	1.00	GNANFIB	0.05 PPM
S	RO-07	46.00	DF-2687	715860.67	7184320.92	12.63	1.00	GNANFIB	0.05 PPM
S	RO-07	47.00	DF-2688	715861.58	7184320.88	12.20	1.00	GNANFIB	0.05 PPM
S	RO-07	48.00	DF-2689	715862.48	7184320.85	11.78	1.00	GNANFIB	0.05 PPM
S	RO-07	49.00	DF-2690	715863.39	7184320.82	11.36	1.00	GNANFIB	0.05 PPM
S	RO-07	50.00	FINAL	715864.31	7184320.76	10.97	-50.00		- PPM
S	RO-07	50.00	MEDIDA	715864.31	7184320.76	10.97	0.00		- PPM
S	RO-08	0.00	BOCA	715819.00	7184295.30	30.00	0.00		- PPM
S	RO-08	0.00	DF-2691	715819.00	7184295.30	30.00	1.00	SOLO	0.36 PPM
S	RO-08	1.00	DF-2692	715819.71	7184295.30	29.29	1.00	SOLO	0.57 PPM
S	RO-08	2.00	DF-2693	715820.41	7184295.30	28.59	1.00	GNAISSE	0.24 PPM
S	RO-08	3.00	DF-2694	715821.12	7184295.30	27.88	1.00	GNAISSE	0.44 PPM
S	RO-08	4.00	DF-2695	715821.83	7184295.30	27.17	1.00	GNAISSE	0.42 PPM
S	RO-08	5.00	DF-2696	715822.54	7184295.30	26.46	1.00	GNAISSE	0.30 PPM
S	RO-08	6.00	DF-2697	715823.24	7184295.30	25.76	1.00	GNAISSE	0.05 PPM
S	RO-08	7.00	DF-2698	715823.95	7184295.30	25.05	1.00	FELDSPATZ.	0.05 PPM
S	RO-08	8.00	DF-2699	715824.66	7184295.30	24.34	1.00	FELDSPATZ.	0.05 PPM
S	RO-08	9.00	DF-2700	715825.36	7184295.30	23.64	1.00	FELDSPATZ.	0.05 PPM
S	RO-08	10.00	DF-2701	715826.07	7184295.30	22.93	1.00	GNAISSE	0.05 PPM
S	RO-08	11.00	DF-2702	715826.78	7184295.30	22.22	1.00	XISTOS	0.24 PPM
S	RO-08	12.00	DF-2703	715827.49	7184295.30	21.51	1.00	XISTOS	0.62 PPM
S	RO-08	13.00	DF-2704	715828.19	7184295.30	20.81	1.00	XISTOS	1.70 PPM
S	RO-08	14.00	DF-2705	715828.90	7184295.30	20.10	1.00	XISTOS	0.94 PPM
S	RO-08	15.00	DF-2706	715829.61	7184295.30	19.39	1.00	XISTOS	0.05 PPM
S	RO-08	16.00	DF-2707	715830.31	7184295.30	18.69	1.00	XISTOS	0.24 PPM
S	RO-08	17.00	DF-2708	715831.02	7184295.30	17.98	1.00	GNAISSE	0.05 PPM
S	RO-08	18.00	DF-2709	715831.73	7184295.30	17.27	1.00	GNAISSE	0.05 PPM
S	RO-08	19.00	DF-2710	715832.44	7184295.30	16.56	1.00	GNAISSE	0.05 PPM
S	RO-08	20.00	DF-2711	715833.14	7184295.30	15.86	1.00	GNAISSE	0.05 PPM
S	RO-08	21.00	DF-2712	715833.85	7184295.30	15.15	1.00	GNAISSE	0.05 PPM
S	RO-08	22.00	DF-2713	715834.56	7184295.30	14.44	1.00	GNAISSE	0.05 PPM
S	RO-08	23.00	DF-2714	715835.26	7184295.30	13.74	1.00	GNAISSE	0.05 PPM
S	RO-08	24.00	DF-2715	715835.97	7184295.30	13.03	1.00	ANFIBOL	0.05 PPM
S	RO-08	25.00	DF-2716	715836.68	7184295.30	12.32	1.00	ANFIBOL	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-08	26.00	MEDIDA	715837.38	7184295.30	11.62	0.00		- PPM
S	RO-08	26.00	DF-2717	715837.38	7184295.30	11.62	1.00	ANFIBOL	0.05 PPM
S	RO-08	27.00	DF-2718	715838.13	7184295.30	10.95	1.00	ANFIBOL	0.05 PPM
S	RO-08	28.00	DF-2719	715838.87	7184295.30	10.28	1.00	ANFIBOL	0.05 PPM
S	RO-08	29.00	DF-2720	715839.61	7184295.30	9.61	1.00	ANFIBOL	0.05 PPM
S	RO-08	30.00	DF-2721	715840.36	7184295.30	8.94	1.00	ANFIBOL	0.05 PPM
S	RO-08	31.00	DF-2722	715841.10	7184295.30	8.27	1.00	ANFIBOL	0.05 PPM
S	RO-08	32.00	DF-2723	715841.84	7184295.30	7.60	1.00	ANFIBOL	0.05 PPM
S	RO-08	33.00	DF-2724	715842.59	7184295.30	6.93	1.00	ANFIBOL	0.05 PPM
S	RO-08	34.00	DF-2725	715843.33	7184295.30	6.26	1.00	ANFIBOL	0.05 PPM
S	RO-08	35.00	DF-2726	715844.07	7184295.30	5.59	1.00	ANFIBOL	0.05 PPM
S	RO-08	36.00	DF-2727	715844.82	7184295.30	4.92	1.00	ANFIBOL	0.05 PPM
S	RO-08	37.00	DF-2728	715845.56	7184295.30	4.25	1.00	ANFIBOL	0.05 PPM
S	RO-08	38.00	DF-2729	715846.30	7184295.30	3.59	1.00	ANFIBOL	0.05 PPM
S	RO-08	39.00	DF-2730	715847.05	7184295.30	2.92	1.00	ANFIBOL	0.05 PPM
S	RO-08	40.00	FINAL	715847.78	7184295.29	2.23	-40.00		- PPM
S	RO-08	40.00	MEDIDA	715847.78	7184295.29	2.23	0.00		- PPM
S	RO-09	0.00	BOCA	715822.00	7184268.38	33.00	0.00		- PPM
S	RO-09	0.00	DF-2756	715822.00	7184268.38	33.00	1.00	SOLO	4.24 PPM
S	RO-09	1.00	DF-2757	715822.71	7184268.38	32.29	1.00	QUARTZO	16.44 PPM
S	RO-09	2.00	DF-2758	715823.41	7184268.38	31.59	1.00	QUARTZO	1.88 PPM
S	RO-09	3.00	DF-2759	715824.12	7184268.38	30.88	1.00	GNAISSE	2.02 PPM
S	RO-09	4.00	DF-2760	715824.83	7184268.38	30.17	1.00	GNAISSE	0.50 PPM
S	RO-09	5.00	DF-2761	715825.54	7184268.38	29.46	1.00	GNAISSE	0.05 PPM
S	RO-09	6.00	DF-2762	715826.24	7184268.38	28.76	1.00	GNAISSE	0.05 PPM
S	RO-09	7.00	DF-2763	715826.95	7184268.38	28.05	1.00	GNAISSE	0.05 PPM
S	RO-09	8.00	DF-2764	715827.66	7184268.38	27.34	1.00	GNAISSE	0.05 PPM
S	RO-09	9.00	DF-2765	715828.36	7184268.38	26.64	1.00	GNAISSE	0.05 PPM
S	RO-09	10.00	DF-2766	715829.07	7184268.38	25.93	1.00	GNAISSE	0.05 PPM
S	RO-09	11.00	DF-2767	715829.78	7184268.38	25.22	1.00	GNAISSE	0.22 PPM
S	RO-09	12.00	DF-2768	715830.49	7184268.38	24.51	1.00	GNAISSE	0.28 PPM
S	RO-09	13.00	DF-2769	715831.19	7184268.38	23.81	1.00	GNAISSE	0.70 PPM
S	RO-09	14.00	DF-2770	715831.90	7184268.38	23.10	1.00	GNAISSE	0.56 PPM
S	RO-09	15.00	DF-2771	715832.61	7184268.38	22.39	1.00	GNAISSE	0.60 PPM
S	RO-09	16.00	DF-2772	715833.31	7184268.38	21.69	1.00	GNAISSE	0.38 PPM
S	RO-09	17.00	DF-2773	715834.02	7184268.38	20.98	1.00	GNAISSE	0.36 PPM
S	RO-09	18.00	DF-2774	715834.73	7184268.38	20.27	1.00	QUARTZO	1.48 PPM
S	RO-09	19.00	DF-2775	715835.44	7184268.38	19.56	1.00	GNAISSE	1.40 PPM
S	RO-09	20.00	DF-2776	715836.14	7184268.38	18.86	1.00	GNAISSE	0.05 PPM
S	RO-09	21.00	DF-2777	715836.85	7184268.38	18.15	1.00	GNAISSE	0.05 PPM
S	RO-09	22.00	DF-2778	715837.56	7184268.38	17.44	1.00	GNAISSE	0.05 PPM
S	RO-09	23.00	DF-2779	715838.26	7184268.38	16.74	1.00	GNAISSE	0.54 PPM
S	RO-09	24.00	DF-2780	715838.97	7184268.38	16.03	1.00	GNAISSE	1.14 PPM
S	RO-09	25.00	MEDIDA	715839.68	7184268.38	15.32	0.00		- PPM
S	RO-09	25.00	DF-2781	715839.68	7184268.38	15.32	1.00	GNAISSE	0.90 PPM
S	RO-09	26.00	DF-2782	715840.41	7184268.44	14.64	1.00	GNAISSE	0.20 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-09	27.00	DF-2783	715841.13	7184268.51	13.96	1.00	GNAISSE	0.42 PPM
S	RO-09	28.00	DF-2784	715841.86	7184268.57	13.28	1.00	GNANFIB	0.26 PPM
S	RO-09	29.00	DF-2785	715842.59	7184268.63	12.59	1.00	GNANFIB	0.30 PPM
S	RO-09	30.00	DF-2786	715843.32	7184268.70	11.91	1.00	GNANFIB	0.40 PPM
S	RO-09	31.00	DF-2787	715844.05	7184268.76	11.23	1.00	GNANFIB	0.05 PPM
S	RO-09	32.00	DF-2788	715844.78	7184268.83	10.55	1.00	GNANFIB	0.05 PPM
S	RO-09	33.00	DF-2789	715845.51	7184268.89	9.87	1.00	GNANFIB	0.05 PPM
S	RO-09	34.00	DF-2790	715846.23	7184268.95	9.18	1.00	GNANFIB	0.05 PPM
S	RO-09	35.00	DF-2791	715846.96	7184269.02	8.50	1.00	GNANFIB	0.05 PPM
S	RO-09	36.00	DF-2792	715847.69	7184269.08	7.82	1.00	GNANFIB	0.05 PPM
S	RO-09	37.00	DF-2793	715848.42	7184269.14	7.14	1.00	GNANFIB	0.05 PPM
S	RO-09	38.00	DF-2794	715849.15	7184269.21	6.46	1.00	GNANFIB	0.05 PPM
S	RO-09	39.00	DF-2795	715849.88	7184269.27	5.77	1.00	GNANFIB	0.05 PPM
S	RO-09	40.00	FINAL	715850.66	7184269.40	5.16	-40.00		- PPM
S	RO-09	40.00	MEDIDA	715850.66	7184269.40	5.16	0.00		- PPM
S	RO-10	0.00	BOCA	715828.00	7184421.00	39.00	0.00		- PPM
S	RO-10	0.00	DF-2944	715828.00	7184421.00	39.00	1.00	SOLO	1.41 PPM
S	RO-10	1.00	DF-2945	715828.71	7184421.00	38.29	1.00	SOLO	2.83 PPM
S	RO-10	2.00	DF-2946	715829.41	7184421.00	37.59	1.00	SOLO	1.03 PPM
S	RO-10	3.00	DF-2947	715830.12	7184421.00	36.88	1.00	SOLO	1.96 PPM
S	RO-10	4.00	DF-2948	715830.83	7184421.00	36.17	1.00	SOLO	1.38 PPM
S	RO-10	5.00	DF-2949	715831.54	7184421.00	35.46	1.00	GNAISSE	0.18 PPM
S	RO-10	6.00	DF-2950	715832.24	7184421.00	34.76	1.00	GNAISSE	0.26 PPM
S	RO-10	7.00	DF-2951	715832.95	7184421.00	34.05	1.00	GNAISSE	0.33 PPM
S	RO-10	8.00	DF-2952	715833.66	7184421.00	33.34	1.00	GNAISSE	0.21 PPM
S	RO-10	9.00	DF-2953	715834.36	7184421.00	32.64	1.00	GNAISSE	0.24 PPM
S	RO-10	10.00	DF-2954	715835.07	7184421.00	31.93	1.00	GNAISSE	0.18 PPM
S	RO-10	11.00	DF-2955	715835.78	7184421.00	31.22	1.00	GNAISSE	0.17 PPM
S	RO-10	12.00	DF-2956	715836.49	7184421.00	30.51	1.00	XISTOS	1.20 PPM
S	RO-10	13.00	DF-2957	715837.19	7184421.00	29.81	1.00	QUARTZO	1.83 PPM
S	RO-10	14.00	DF-2958	715837.90	7184421.00	29.10	1.00	GNAISSE	0.05 PPM
S	RO-10	15.00	DF-2959	715838.61	7184421.00	28.39	1.00	XISTOS	0.05 PPM
S	RO-10	16.00	DF-2960	715839.31	7184421.00	27.69	1.00	XISTOS	0.33 PPM
S	RO-10	17.00	DF-2961	715840.02	7184421.00	26.98	0.65	XISTOS	3.77 PPM
S	RO-10	17.65	DF-2962	715840.48	7184421.00	26.52	0.85	QUARTZO	0.36 PPM
S	RO-10	18.50	DF-2963	715841.08	7184421.00	25.92	0.50	XISTOS	0.57 PPM
S	RO-10	19.00	DF-2964	715841.44	7184421.00	25.56	1.00	XISTOS	0.05 PPM
S	RO-10	20.00	DF-2965	715842.14	7184421.00	24.86	1.00	XISTOS	0.05 PPM
S	RO-10	21.00	DF-2966	715842.85	7184421.00	24.15	1.00	GNAISSE	0.05 PPM
S	RO-10	22.00	DF-2967	715843.56	7184421.00	23.44	1.00	GNAISSE	0.05 PPM
S	RO-10	23.00	DF-2968	715844.26	7184421.00	22.74	1.00	GNAISSE	1.09 PPM
S	RO-10	24.00	DF-2969	715844.97	7184421.00	22.03	1.00	GNAISSE	0.05 PPM
S	RO-10	25.00	MEDIDA	715845.68	7184421.00	21.32	0.00		- PPM
S	RO-10	25.00	DF-2970	715845.68	7184421.00	21.32	1.00	GNAISSE	0.05 PPM
S	RO-10	26.00	DF-2971	715846.43	7184421.09	20.67	1.00	GNAISSE	0.05 PPM
S	RO-10	27.00	DF-2972	715847.18	7184421.18	20.01	1.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-10	28.00	DF-2973	715847.92	7184421.28	19.35	1.00	GNAISSE	0.71 PPM
S	RO-10	29.00	DF-2974	715848.67	7184421.37	18.70	1.00	GNAISSE	0.21 PPM
S	RO-10	30.00	DF-2975	715849.42	7184421.46	18.04	1.00	GNAISSE	0.21 PPM
S	RO-10	31.00	DF-2976	715850.17	7184421.55	17.39	1.00	XISTOS	0.43 PPM
S	RO-10	32.00	DF-2977	715850.92	7184421.64	16.73	1.00	XISTOS	0.43 PPM
S	RO-10	33.00	DF-2978	715851.67	7184421.74	16.07	1.00	XISTOS	0.21 PPM
S	RO-10	34.00	DF-2979	715852.42	7184421.83	15.42	1.00	XISTOS	0.36 PPM
S	RO-10	35.00	DF-2980	715853.17	7184421.92	14.76	1.00	ANFIBOL	0.05 PPM
S	RO-10	36.00	DF-2981	715853.92	7184422.01	14.11	1.00	GNANFIB	0.11 PPM
S	RO-10	37.00	DF-2982	715854.67	7184422.10	13.45	1.00	ANFIBOL	0.78 PPM
S	RO-10	38.00	DF-2983	715855.42	7184422.20	12.79	1.00	GNANFIB	0.16 PPM
S	RO-10	39.00	DF-2984	715856.16	7184422.29	12.14	1.00	GNANFIB	0.05 PPM
S	RO-10	40.00	FINAL	715856.92	7184422.26	11.48	-40.00		- PPM
S	RO-10	40.00	MEDIDA	715856.92	7184422.26	11.48	0.00		- PPM
S	RO-11	0.00	BOCA	715818.00	7184445.00	39.00	0.00		- PPM
S	RO-11	0.00	DF-2909	715818.00	7184445.00	39.00	1.00	SOLO	0.23 PPM
S	RO-11	1.00	DF-2910	715818.71	7184445.00	38.29	1.00	SOLO	0.21 PPM
S	RO-11	2.00	DF-2911	715819.41	7184445.00	37.59	1.00	SOLO	0.05 PPM
S	RO-11	3.00	DF-2912	715820.12	7184445.00	36.88	1.00	SOLO	0.05 PPM
S	RO-11	4.00	DF-2913	715820.83	7184445.00	36.17	1.00	SOLO	0.05 PPM
S	RO-11	5.00	DF-2914	715821.54	7184445.00	35.46	1.00	GNAISSE	0.05 PPM
S	RO-11	6.00	DF-2915	715822.24	7184445.00	34.76	1.00	GNAISSE	0.05 PPM
S	RO-11	7.00	DF-2916	715822.95	7184445.00	34.05	1.00	SOLO	0.05 PPM
S	RO-11	8.00	DF-2917	715823.66	7184445.00	33.34	1.00	GNAISSE	0.05 PPM
S	RO-11	9.00	DF-2918	715824.36	7184445.00	32.64	1.00	GNAISSE	0.05 PPM
S	RO-11	10.00	DF-2919	715825.07	7184445.00	31.93	1.00	GNAISSE	0.05 PPM
S	RO-11	11.00	DF-2920	715825.78	7184445.00	31.22	1.00	ANFIBOL	0.05 PPM
S	RO-11	12.00	DF-2921	715826.49	7184445.00	30.51	1.00	ANFIBOL	0.31 PPM
S	RO-11	13.00	DF-2922	715827.19	7184445.00	29.81	1.00	ANFIBOL	0.24 PPM
S	RO-11	14.00	DF-2923	715827.90	7184445.00	29.10	1.00	GNANFIB	0.05 PPM
S	RO-11	15.00	DF-2924	715828.61	7184445.00	28.39	1.00	GNANFIB	0.05 PPM
S	RO-11	16.00	DF-2925	715829.31	7184445.00	27.69	1.00	GNANFIB	0.05 PPM
S	RO-11	17.00	DF-2926	715830.02	7184445.00	26.98	1.00	GNANFIB	0.05 PPM
S	RO-11	18.00	DF-2927	715830.73	7184445.00	26.27	1.00	GNANFIB	0.05 PPM
S	RO-11	19.00	DF-2928	715831.44	7184445.00	25.56	1.00	GNAISSE	0.05 PPM
S	RO-11	20.00	DF-2929	715832.14	7184445.00	24.86	1.00	GNAISSE	0.05 PPM
S	RO-11	21.00	DF-2930	715832.85	7184445.00	24.15	1.00	XISTOS	0.05 PPM
S	RO-11	22.00	DF-2931	715833.56	7184445.00	23.44	1.00	QUARTZO	0.61 PPM
S	RO-11	23.00	DF-2932	715834.26	7184445.00	22.74	1.00	XISTOS	0.05 PPM
S	RO-11	24.00	DF-2933	715834.97	7184445.00	22.03	1.25	XISTOS	0.17 PPM
S	RO-11	25.25	MEDIDA	715835.87	7184445.02	21.16	0.00		- PPM
S	RO-11	25.25	DF-2934	715835.87	7184445.02	21.16	1.35	QUARTZO	1.47 PPM
S	RO-11	26.60	DF-2935	715836.84	7184445.03	20.22	1.40	XISTOS	0.71 PPM
S	RO-11	28.00	DF-2936	715837.85	7184445.05	19.25	1.00	GNAISSE	0.44 PPM
S	RO-11	29.00	DF-2937	715838.57	7184445.06	18.56	1.00	GNAISSE	0.16 PPM
S	RO-11	30.00	DF-2938	715839.29	7184445.08	17.86	1.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-11	31.00	DF-2939	715840.01	7184445.09	17.17	1.00	GNAISSE	0.20 PPM
S	RO-11	32.00	DF-2940	715840.72	7184445.10	16.47	1.00	GNAISSE	0.60 PPM
S	RO-11	33.00	DF-2941	715841.44	7184445.11	15.78	1.00	GNAISSE	0.16 PPM
S	RO-11	34.00	DF-2942	715842.16	7184445.13	15.08	1.00	GNAISSE	0.16 PPM
S	RO-11	35.00	DF-2943	715842.88	7184445.14	14.39	1.25	GNAISSE	0.05 PPM
S	RO-11	36.25	FINAL	715843.78	7184445.15	13.52	-36.25		- PPM
S	RO-12	0.00	BOCA	715806.00	7184471.00	36.00	0.00		- PPM
S	RO-12	0.00	DF-3064	715806.00	7184471.00	36.00	1.00	SOLO	0.33 PPM
S	RO-12	1.00	DF-3065	715806.71	7184471.00	35.29	1.00	SOLO	0.65 PPM
S	RO-12	2.00	DF-3066	715807.41	7184471.00	34.59	1.00	SOLO	0.43 PPM
S	RO-12	3.00	DF-3067	715808.12	7184471.00	33.88	1.00	SOLO	0.14 PPM
S	RO-12	4.00	DF-3068	715808.83	7184471.00	33.17	1.00	GNAISSE	0.34 PPM
S	RO-12	5.00	DF-3069	715809.54	7184471.00	32.46	1.00	GNAISSE	0.18 PPM
S	RO-12	6.00	DF-3070	715810.24	7184471.00	31.76	1.00	GNAISSE	0.16 PPM
S	RO-12	7.00	DF-3071	715810.95	7184471.00	31.05	1.00	GNAISSE	0.17 PPM
S	RO-12	8.00	DF-3072	715811.66	7184471.00	30.34	1.00	GNAISSE	0.05 PPM
S	RO-12	9.00	DF-3073	715812.36	7184471.00	29.64	1.00	GNAISSE	0.05 PPM
S	RO-12	10.00	DF-3074	715813.07	7184471.00	28.93	1.00	GNAISSE	0.05 PPM
S	RO-12	11.00	DF-3075	715813.78	7184471.00	28.22	1.00	ANFIBOL	0.05 PPM
S	RO-12	12.00	DF-3076	715814.49	7184471.00	27.51	1.00	GNANFIB	0.23 PPM
S	RO-12	13.00	DF-3077	715815.19	7184471.00	26.81	1.00	GNANFIB	0.30 PPM
S	RO-12	14.00	DF-3078	715815.90	7184471.00	26.10	1.00	GNANFIB	0.05 PPM
S	RO-12	15.00	DF-3079	715816.61	7184471.00	25.39	1.00	GNANFIB	0.05 PPM
S	RO-12	16.00	DF-3080	715817.31	7184471.00	24.69	1.00	GNANFIB	0.05 PPM
S	RO-12	17.00	DF-3081	715818.02	7184471.00	23.98	1.00	ANFIBOL	0.05 PPM
S	RO-12	18.00	DF-3082	715818.73	7184471.00	23.27	1.00	GNANFIB	0.05 PPM
S	RO-12	19.00	DF-3083	715819.44	7184471.00	22.56	1.00	GNANFIB	0.05 PPM
S	RO-12	20.00	DF-3084	715820.14	7184471.00	21.86	1.00	GNANFIB	0.05 PPM
S	RO-12	21.00	DF-3085	715820.85	7184471.00	21.15	1.00	GNANFIB	0.05 PPM
S	RO-12	22.00	DF-3086	715821.56	7184471.00	20.44	1.00	GNANFIB	0.05 PPM
S	RO-12	23.00	DF-3087	715822.26	7184471.00	19.74	1.00	GNANFIB	0.05 PPM
S	RO-12	24.00	DF-3088	715822.97	7184471.00	19.03	0.30	QUARTZO	0.05 PPM
S	RO-12	24.30	DF-3089	715823.18	7184471.00	18.82	0.70	ANFIBOL	0.05 PPM
S	RO-12	25.00	MEDIDA	715823.68	7184471.00	18.32	0.00		- PPM
S	RO-12	25.00	DF-3090	715823.68	7184471.00	18.32	1.00	ANFIBOL	0.05 PPM
S	RO-12	26.00	DF-3091	715824.44	7184470.95	17.68	1.00	ANFIBOL	0.05 PPM
S	RO-12	27.00	DF-3092	715825.21	7184470.89	17.04	1.00	GNANFIB	0.05 PPM
S	RO-12	28.00	DF-3093	715825.97	7184470.84	16.39	1.00	ANFIBOL	0.05 PPM
S	RO-12	29.00	DF-3094	715826.73	7184470.79	15.75	1.00	GNANFIB	0.18 PPM
S	RO-12	30.00	DF-3095	715827.50	7184470.73	15.11	1.00	GNANFIB	0.30 PPM
S	RO-12	31.00	DF-3096	715828.26	7184470.68	14.47	1.00	GNANFIB	0.50 PPM
S	RO-12	32.00	DF-3097	715829.03	7184470.63	13.82	0.70	GNANFIB	0.05 PPM
S	RO-12	32.70	FINAL	715829.56	7184470.59	13.37	-32.70		- PPM
S	RO-13	0.00	BOCA	715852.00	7184370.00	53.00	0.00		- PPM
S	RO-13	0.00	DF-2844	715852.00	7184370.00	53.00	1.00	SOLO	0.46 PPM
S	RO-13	1.00	DF-2845	715852.71	7184370.00	52.29	1.00	SOLO	0.44 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-13	2.00	DF-2846	715853.41	7184370.00	51.59	1.00	GNAISSE	0.21 PPM
S	RO-13	3.00	DF-2847	715854.12	7184370.00	50.88	1.00	GNAISSE	0.16 PPM
S	RO-13	4.00	DF-2848	715854.83	7184370.00	50.17	0.75	SOLO	0.34 PPM
S	RO-13	4.75	DF-2849	715855.36	7184370.00	49.64	0.55	QUARTZO	0.05 PPM
S	RO-13	5.30	DF-2850	715855.75	7184370.00	49.25	0.70	SOLO	0.05 PPM
S	RO-13	6.00	DF-2851	715856.24	7184370.00	48.76	1.00	GNAISSE	0.24 PPM
S	RO-13	7.00	DF-2852	715856.95	7184370.00	48.05	1.00	GNAISSE	2.33 PPM
S	RO-13	8.00	DF-2853	715857.66	7184370.00	47.34	1.00	GNAISSE	0.67 PPM
S	RO-13	9.00	DF-2854	715858.36	7184370.00	46.64	1.00	GNAISSE	1.01 PPM
S	RO-13	10.00	DF-2855	715859.07	7184370.00	45.93	1.00	XISTOS	0.26 PPM
S	RO-13	11.00	DF-2856	715859.78	7184370.00	45.22	1.00	GNAISSE	0.43 PPM
S	RO-13	12.00	DF-2857	715860.49	7184370.00	44.51	1.00	GNAISSE	1.08 PPM
S	RO-13	13.00	DF-2858	715861.19	7184370.00	43.81	1.00	GNAISSE	0.28 PPM
S	RO-13	14.00	DF-2859	715861.90	7184370.00	43.10	1.00	GNAISSE	0.48 PPM
S	RO-13	15.00	DF-2860	715862.61	7184370.00	42.39	1.00	GNAISSE	0.21 PPM
S	RO-13	16.00	DF-2861	715863.31	7184370.00	41.69	1.00	GNAISSE	0.17 PPM
S	RO-13	17.00	DF-2862	715864.02	7184370.00	40.98	1.00	GNAISSE	0.30 PPM
S	RO-13	18.00	DF-2863	715864.73	7184370.00	40.27	1.00	GNAISSE	0.05 PPM
S	RO-13	19.00	DF-2864	715865.44	7184370.00	39.56	1.00	GNAISSE	0.48 PPM
S	RO-13	20.00	DF-2865	715866.14	7184370.00	38.86	1.00	GNAISSE	10.67 PPM
S	RO-13	21.00	DF-2866	715866.85	7184370.00	38.15	1.00	GNAISSE	0.87 PPM
S	RO-13	22.00	DF-2867	715867.56	7184370.00	37.44	1.00	GNAISSE	3.32 PPM
S	RO-13	23.00	DF-2868	715868.26	7184370.00	36.74	1.00	GNAISSE	1.60 PPM
S	RO-13	24.00	DF-2869	715868.97	7184370.00	36.03	1.00	GNAISSE	0.20 PPM
S	RO-13	25.00	MEDIDA	715869.68	7184370.00	35.32	0.00		- PPM
S	RO-13	25.00	DF-2870	715869.68	7184370.00	35.32	1.00	GNAISSE	0.56 PPM
S	RO-13	26.00	DF-2871	715870.41	7184369.99	34.64	1.00	GNAISSE	0.28 PPM
S	RO-13	27.00	DF-2872	715871.14	7184369.97	33.96	1.00	GNAISSE	0.23 PPM
S	RO-13	28.00	DF-2873	715871.87	7184369.96	33.28	1.00	GNAISSE	0.17 PPM
S	RO-13	29.00	DF-2874	715872.60	7184369.95	32.59	1.00	GNAISSE	0.16 PPM
S	RO-13	30.00	DF-2875	715873.33	7184369.94	31.91	1.00	GNAISSE	0.05 PPM
S	RO-13	31.00	DF-2876	715874.07	7184369.92	31.23	1.00	FELDSPATO	0.17 PPM
S	RO-13	32.00	DF-2877	715874.80	7184369.91	30.55	0.50	GNAISSE	0.05 PPM
S	RO-13	32.50	FINAL	715875.16	7184369.90	30.21	-32.50		- PPM
S	RO-14	0.00	BOCA	715855.00	7184394.00	57.00	0.00		- PPM
S	RO-14	0.00	DF-2878	715855.00	7184394.00	57.00	1.00	SOLO	1.52 PPM
S	RO-14	1.00	DF-2879	715855.71	7184394.00	56.29	1.00	SOLO	1.23 PPM
S	RO-14	2.00	DF-2880	715856.41	7184394.00	55.59	1.00	GNAISSE	2.28 PPM
S	RO-14	3.00	DF-2881	715857.12	7184394.00	54.88	1.00	GNAISSE	1.38 PPM
S	RO-14	4.00	DF-2882	715857.83	7184394.00	54.17	1.00	GNAISSE	2.72 PPM
S	RO-14	5.00	DF-2883	715858.54	7184394.00	53.46	1.00	GNAISSE	1.54 PPM
S	RO-14	6.00	DF-2884	715859.24	7184394.00	52.76	1.00	GNAISSE	0.57 PPM
S	RO-14	7.00	DF-2885	715859.95	7184394.00	52.05	1.00	GNAISSE	0.91 PPM
S	RO-14	8.00	DF-2886	715860.66	7184394.00	51.34	1.00	GNAISSE	3.44 PPM
S	RO-14	9.00	DF-2887	715861.36	7184394.00	50.64	1.00	GNAISSE	0.73 PPM
S	RO-14	10.00	DF-2888	715862.07	7184394.00	49.93	1.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-14	11.00	DF-2889	715862.78	7184394.00	49.22	1.00	GNAISSE	0.05 PPM
S	RO-14	12.00	DF-2890	715863.49	7184394.00	48.51	1.00	GNAISSE	1.14 PPM
S	RO-14	13.00	DF-2891	715864.19	7184394.00	47.81	1.00	GNAISSE	3.84 PPM
S	RO-14	14.00	DF-2892	715864.90	7184394.00	47.10	1.00	GNAISSE	0.05 PPM
S	RO-14	15.00	DF-2893	715865.61	7184394.00	46.39	1.00	GNAISSE	0.05 PPM
S	RO-14	16.00	DF-2894	715866.31	7184394.00	45.69	1.00	GNAISSE	0.05 PPM
S	RO-14	17.00	DF-2895	715867.02	7184394.00	44.98	1.00	GNAISSE	0.24 PPM
S	RO-14	18.00	DF-2896	715867.73	7184394.00	44.27	1.00	GNAISSE	0.30 PPM
S	RO-14	19.00	DF-2897	715868.44	7184394.00	43.56	1.00	GNAISSE	0.44 PPM
S	RO-14	20.00	DF-2898	715869.14	7184394.00	42.86	1.00	GNAISSE	0.23 PPM
S	RO-14	21.00	DF-2899	715869.85	7184394.00	42.15	1.00	GNAISSE	0.17 PPM
S	RO-14	22.00	DF-2900	715870.56	7184394.00	41.44	1.00	GNAISSE	0.18 PPM
S	RO-14	23.00	DF-2901	715871.26	7184394.00	40.74	1.00	GNAISSE	0.10 PPM
S	RO-14	24.00	DF-2902	715871.97	7184394.00	40.03	1.00	GNAISSE	0.17 PPM
S	RO-14	25.00	MEDIDA	715872.68	7184394.00	39.32	0.00		- PPM
S	RO-14	25.00	DF-2903	715872.68	7184394.00	39.32	1.00	GNAISSE	0.05 PPM
S	RO-14	26.00	DF-2904	715873.42	7184394.09	38.65	1.00	GNAISSE	0.05 PPM
S	RO-14	27.00	DF-2905	715874.15	7184394.18	37.98	1.00	GNAISSE	0.05 PPM
S	RO-14	28.00	DF-2906	715874.89	7184394.27	37.31	1.00	FELDSPATZ.	0.05 PPM
S	RO-14	29.00	DF-2907	715875.63	7184394.36	36.65	1.00	FELDSPATZ.	0.05 PPM
S	RO-14	30.00	DF-2908	715876.37	7184394.45	35.98	0.95	FELDSPATZ.	0.20 PPM
S	RO-14	30.95	FINAL	715877.07	7184394.54	35.34	-30.95		- PPM
S	RO-15	0.00	BOCA	715840.00	7184342.50	44.00	0.00		- PPM
S	RO-15	0.00	DF-2986	715840.00	7184342.50	44.00	1.00	SOLO	0.46 PPM
S	RO-15	1.00	DF-2987	715840.87	7184342.50	43.50	1.00	SOLO	0.48 PPM
S	RO-15	2.00	DF-2988	715841.73	7184342.50	43.00	1.00	SOLO	3.61 PPM
S	RO-15	3.00	DF-2989	715842.60	7184342.50	42.50	1.00	SOLO	1.76 PPM
S	RO-15	4.00	DF-2990	715843.46	7184342.50	42.00	1.00	SOLO	1.13 PPM
S	RO-15	5.00	DF-2991	715844.33	7184342.50	41.50	1.00	SOLO	0.50 PPM
S	RO-15	6.00	DF-2992	715845.20	7184342.50	41.00	1.00	FELDSPATZ.	0.43 PPM
S	RO-15	7.00	DF-2993	715846.06	7184342.50	40.50	1.00	FELDSPATZ.	0.86 PPM
S	RO-15	8.00	DF-2994	715846.93	7184342.50	40.00	1.00	GNAISSE	0.38 PPM
S	RO-15	9.00	DF-2995	715847.79	7184342.50	39.50	1.00	GNAISSE	0.05 PPM
S	RO-15	10.00	DF-2996	715848.66	7184342.50	39.00	1.00	GNAISSE	0.21 PPM
S	RO-15	11.00	DF-2997	715849.53	7184342.50	38.50	1.00	GNAISSE	0.05 PPM
S	RO-15	12.00	DF-2998	715850.39	7184342.50	38.00	1.00	GNAISSE	0.18 PPM
S	RO-15	13.00	DF-2999	715851.26	7184342.50	37.50	1.00	GNAISSE	0.26 PPM
S	RO-15	14.00	DF-3000	715852.12	7184342.50	37.00	1.00	GNAISSE	0.05 PPM
S	RO-15	15.00	DF-3001	715852.99	7184342.50	36.50	1.00	GNAISSE	0.05 PPM
S	RO-15	16.00	DF-3002	715853.86	7184342.50	36.00	1.00	GNAISSE	0.05 PPM
S	RO-15	17.00	DF-3003	715854.72	7184342.50	35.50	1.00	GNAISSE	0.05 PPM
S	RO-15	18.00	DF-3004	715855.59	7184342.50	35.00	1.00	GNAISSE	0.05 PPM
S	RO-15	19.00	DF-3005	715856.45	7184342.50	34.50	1.00	GNAISSE	0.05 PPM
S	RO-15	20.00	DF-3006	715857.32	7184342.50	34.00	1.00	GNAISSE	0.05 PPM
S	RO-15	21.00	DF-3007	715858.19	7184342.50	33.50	1.00	GNAISSE	0.05 PPM
S	RO-15	22.00	DF-3008	715859.05	7184342.50	33.00	1.00	GNAISSE	0.18 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-15	23.00	DF-3009	715859.92	7184342.50	32.50	1.00	GNAISSE	0.25 PPM
S	RO-15	24.00	DF-3010	715860.78	7184342.50	32.00	1.00	FELDSPATZ.	0.05 PPM
S	RO-15	25.00	MEDIDA	715861.65	7184342.50	31.50	0.00		- PPM
S	RO-15	25.00	DF-3011	715861.65	7184342.50	31.50	1.00	GNAISSE	0.05 PPM
S	RO-15	26.00	DF-3012	715862.56	7184342.47	31.08	1.00	GNAISSE	0.43 PPM
S	RO-15	27.00	DF-3013	715863.46	7184342.44	30.65	1.00	FELDSPATZ.	0.05 PPM
S	RO-15	28.00	DF-3014	715864.37	7184342.41	30.23	1.00	FELDSPATZ.	0.05 PPM
S	RO-15	29.00	DF-3015	715865.27	7184342.37	29.81	1.00	FELDSPATZ.	0.05 PPM
S	RO-15	30.00	DF-3016	715866.18	7184342.34	29.39	1.00	FELDSPATZ.	0.05 PPM
S	RO-15	31.00	FINAL	715867.09	7184342.31	28.96	-31.00		- PPM
S	RO-16	0.00	BOCA	715812.00	7184495.40	39.00	0.00		- PPM
S	RO-16	0.00	DF-3017	715812.00	7184495.40	39.00	1.00	SOLO	0.05 PPM
S	RO-16	1.00	DF-3018	715812.87	7184495.40	38.50	1.00	SOLO	0.05 PPM
S	RO-16	2.00	DF-3019	715813.73	7184495.40	38.00	1.00	SOLO	0.05 PPM
S	RO-16	3.00	DF-3020	715814.60	7184495.40	37.50	1.00	SOLO	0.05 PPM
S	RO-16	4.00	DF-3021	715815.46	7184495.40	37.00	1.00	SOLO	0.16 PPM
S	RO-16	5.00	DF-3022	715816.33	7184495.40	36.50	1.00	SOLO	0.05 PPM
S	RO-16	6.00	DF-3023	715817.20	7184495.40	36.00	1.00	SOLO	0.48 PPM
S	RO-16	7.00	DF-3024	715818.06	7184495.40	35.50	1.00	SOLO	0.28 PPM
S	RO-16	8.00	DF-3025	715818.93	7184495.40	35.00	1.00	XISTOS	0.26 PPM
S	RO-16	9.00	DF-3026	715819.79	7184495.40	34.50	1.00	XISTOS	0.44 PPM
S	RO-16	10.00	DF-3027	715820.66	7184495.40	34.00	1.00	XISTOS	0.05 PPM
S	RO-16	11.00	DF-3028	715821.53	7184495.40	33.50	1.00	XISTOS	0.74 PPM
S	RO-16	12.00	DF-3029	715822.39	7184495.40	33.00	1.00	GNAISSE	0.24 PPM
S	RO-16	13.00	DF-3030	715823.26	7184495.40	32.50	1.00	GNAISSE	0.30 PPM
S	RO-16	14.00	DF-3031	715824.12	7184495.40	32.00	0.50	GNAISSE	0.66 PPM
S	RO-16	14.50	DF-3032	715824.56	7184495.40	31.75	0.50	QUARTZO	2.91 PPM
S	RO-16	15.00	DF-3033	715824.99	7184495.40	31.50	1.00	QUARTZO	5.50 PPM
S	RO-16	16.00	DF-3034	715825.86	7184495.40	31.00	1.00	QUARTZO	0.51 PPM
S	RO-16	17.00	DF-3035	715826.72	7184495.40	30.50	1.00	QUARTZO	0.64 PPM
S	RO-16	18.00	DF-3036	715827.59	7184495.40	30.00	1.00	QUARTZO	8.16 PPM
S	RO-16	19.00	DF-3037	715828.45	7184495.40	29.50	1.00	QUARTZO	0.18 PPM
S	RO-16	20.00	DF-3038	715829.32	7184495.40	29.00	0.70	QUARTZO	4.63 PPM
S	RO-16	20.70	DF-3039	715829.93	7184495.40	28.65	0.50	XISTOS	0.57 PPM
S	RO-16	21.20	DF-3040	715830.36	7184495.40	28.40	0.45	QUARTZO	0.58 PPM
S	RO-16	21.65	DF-3041	715830.75	7184495.40	28.17	1.35	XISTOS	3.11 PPM
S	RO-16	23.00	DF-3042	715831.92	7184495.40	27.50	1.00	GNAISSE	0.33 PPM
S	RO-16	24.00	DF-3043	715832.78	7184495.40	27.00	1.00	GNAISSE	0.05 PPM
S	RO-16	25.00	MEDIDA	715833.65	7184495.40	26.50	0.00		- PPM
S	RO-16	25.00	DF-3044	715833.65	7184495.40	26.50	1.00	GNAISSE	0.05 PPM
S	RO-16	26.00	DF-3045	715834.54	7184495.42	26.05	1.00	GNAISSE	0.05 PPM
S	RO-16	27.00	DF-3046	715835.43	7184495.43	25.59	1.00	GNAISSE	0.05 PPM
S	RO-16	28.00	DF-3047	715836.32	7184495.45	25.14	1.00	GNAISSE	0.05 PPM
S	RO-16	29.00	DF-3048	715837.21	7184495.46	24.68	1.00	GNAISSE	0.05 PPM
S	RO-16	30.00	DF-3049	715838.10	7184495.48	24.23	1.00	GNAISSE	0.05 PPM
S	RO-16	31.00	DF-3050	715839.00	7184495.49	23.78	1.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-16	32.00	DF-3051	715839.89	7184495.51	23.32	1.00	GNAISSE	0.05 PPM
S	RO-16	33.00	DF-3052	715840.78	7184495.52	22.87	1.00	GNAISSE	0.05 PPM
S	RO-16	34.00	DF-3053	715841.67	7184495.54	22.41	1.00	GNAISSE	0.05 PPM
S	RO-16	35.00	DF-3054	715842.56	7184495.56	21.96	1.00	GNAISSE	0.05 PPM
S	RO-16	36.00	DF-3055	715843.45	7184495.57	21.51	1.00	GNAISSE	0.05 PPM
S	RO-16	37.00	DF-3056	715844.34	7184495.59	21.05	1.00	GNANFIB	0.05 PPM
S	RO-16	38.00	DF-3057	715845.23	7184495.60	20.60	1.00	GNANFIB	0.05 PPM
S	RO-16	39.00	DF-3058	715846.12	7184495.62	20.14	1.25	GNANFIB	0.05 PPM
S	RO-16	40.25	FINAL	715847.24	7184495.64	19.58	-40.25		- PPM
S	RO-17	0.00	BOCA	715840.00	7184520.00	50.00	0.00		- PPM
S	RO-17	0.00	DF-3098	715840.00	7184520.00	50.00	1.00	SOLO	0.05 PPM
S	RO-17	1.00	DF-3099	715839.29	7184520.00	49.29	1.00	SOLO	0.05 PPM
S	RO-17	2.00	DF-3100	715838.59	7184520.00	48.59	1.00	SOLO	0.05 PPM
S	RO-17	3.00	DF-3101	715837.88	7184520.00	47.88	1.00	GNAISSE	0.05 PPM
S	RO-17	4.00	DF-3102	715837.17	7184520.00	47.17	1.00	GNAISSE	0.05 PPM
S	RO-17	5.00	DF-3103	715836.46	7184520.00	46.46	1.00	GNAISSE	0.05 PPM
S	RO-17	6.00	DF-3104	715835.76	7184520.00	45.76	1.00	GNAISSE	0.05 PPM
S	RO-17	7.00	DF-3105	715835.05	7184520.00	45.05	1.00	GNAISSE	0.05 PPM
S	RO-17	8.00	DF-3106	715834.34	7184520.00	44.34	1.00	GNAISSE	0.05 PPM
S	RO-17	9.00	DF-3107	715833.64	7184520.00	43.64	1.00	GNAISSE	0.05 PPM
S	RO-17	10.00	DF-3108	715832.93	7184520.00	42.93	1.00	GNAISSE	0.05 PPM
S	RO-17	11.00	DF-3109	715832.22	7184520.00	42.22	1.00	GNAISSE	0.05 PPM
S	RO-17	12.00	DF-3110	715831.51	7184520.00	41.51	1.00	GNAISSE	0.05 PPM
S	RO-17	13.00	DF-3111	715830.81	7184520.00	40.81	1.00	GNAISSE	0.05 PPM
S	RO-17	14.00	DF-3112	715830.10	7184520.00	40.10	1.00	GNAISSE	0.05 PPM
S	RO-17	15.00	DF-3113	715829.39	7184520.00	39.39	1.00	GNAISSE	0.05 PPM
S	RO-17	16.00	DF-3114	715828.69	7184520.00	38.69	1.00	GNAISSE	0.05 PPM
S	RO-17	17.00	DF-3115	715827.98	7184520.00	37.98	1.00	SOLO	0.28 PPM
S	RO-17	18.00	DF-3116	715827.27	7184520.00	37.27	1.00	GNAISSE	0.05 PPM
S	RO-17	19.00	DF-3117	715826.56	7184520.00	36.56	1.00	GNAISSE	0.88 PPM
S	RO-17	20.00	DF-3118	715825.86	7184520.00	35.86	1.00	QUARTZO	0.05 PPM
S	RO-17	21.00	DF-3119	715825.15	7184520.00	35.15	1.00	QUARTZO	3.42 PPM
S	RO-17	22.00	DF-3120	715824.44	7184520.00	34.44	1.00	QUARTZO	2.97 PPM
S	RO-17	23.00	DF-3121	715823.74	7184520.00	33.74	1.00	QUARTZO	28.99 PPM
S	RO-17	24.00	DF-3122	715823.03	7184520.00	33.03	1.00	QUARTZO	2.81 PPM
S	RO-17	25.00	MEDIDA	715822.32	7184520.00	32.32	0.00		- PPM
S	RO-17	25.00	DF-3123	715822.32	7184520.00	32.32	1.00	QUARTZO	4.70 PPM
S	RO-17	26.00	DF-3124	715821.59	7184519.92	31.64	1.00	QUARTZO	0.56 PPM
S	RO-17	27.00	DF-3125	715820.87	7184519.85	30.96	1.00	QUARTZO	1.39 PPM
S	RO-17	28.00	DF-3126	715820.14	7184519.77	30.28	1.00	QUARTZO	0.16 PPM
S	RO-17	29.00	DF-3127	715819.41	7184519.69	29.59	1.00	QUARTZO	0.21 PPM
S	RO-17	30.00	DF-3128	715818.69	7184519.62	28.91	1.00	QUARTZO	0.58 PPM
S	RO-17	31.00	DF-3129	715817.96	7184519.54	28.23	1.00	XISTOS	1.65 PPM
S	RO-17	32.00	DF-3130	715817.23	7184519.46	27.55	1.00	XISTOS	1.06 PPM
S	RO-17	33.00	DF-3131	715816.50	7184519.39	26.87	1.05	XISTOS	0.33 PPM
S	RO-17	34.05	FINAL	715815.74	7184519.31	26.15	-34.05		- PPM

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Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-18	0.00	BOCA	715840.00	7184520.00	50.00	0.00		- PPM
S	RO-18	0.00	DF-3132	715840.00	7184520.00	50.00	1.00	SOLO	0.05 PPM
S	RO-18	1.00	DF-3133	715839.50	7184520.00	49.13	1.00	SOLO	0.05 PPM
S	RO-18	2.00	DF-3134	715839.00	7184520.00	48.27	1.00	SOLO	0.05 PPM
S	RO-18	3.00	DF-3135	715838.50	7184520.00	47.40	1.00	GNAISSE	0.05 PPM
S	RO-18	4.00	DF-3136	715838.00	7184520.00	46.54	1.00	GNAISSE	0.05 PPM
S	RO-18	5.00	DF-3137	715837.50	7184520.00	45.67	1.00	GNAISSE	0.05 PPM
S	RO-18	6.00	DF-3138	715837.00	7184520.00	44.80	1.00	GNAISSE	0.05 PPM
S	RO-18	7.00	DF-3139	715836.50	7184520.00	43.94	1.00	GNAISSE	0.05 PPM
S	RO-18	8.00	DF-3140	715836.00	7184520.00	43.07	1.00	GNAISSE	0.05 PPM
S	RO-18	9.00	DF-3141	715835.50	7184520.00	42.21	1.00	GNAISSE	0.05 PPM
S	RO-18	10.00	DF-3142	715835.00	7184520.00	41.34	1.00	GNAISSE	0.05 PPM
S	RO-18	11.00	DF-3143	715834.50	7184520.00	40.47	1.00	GNAISSE	0.05 PPM
S	RO-18	12.00	DF-3144	715834.00	7184520.00	39.61	1.00	GNAISSE	0.05 PPM
S	RO-18	13.00	DF-3145	715833.50	7184520.00	38.74	1.00	GNAISSE	0.05 PPM
S	RO-18	14.00	DF-3146	715833.00	7184520.00	37.88	1.00	GNAISSE	0.05 PPM
S	RO-18	15.00	DF-3147	715832.50	7184520.00	37.01	1.00	ANFIBOL	0.05 PPM
S	RO-18	16.00	DF-3148	715832.00	7184520.00	36.14	1.00	ANFIBOL	0.05 PPM
S	RO-18	17.00	DF-3149	715831.50	7184520.00	35.28	1.00	ANFIBOL	0.05 PPM
S	RO-18	18.00	DF-3150	715831.00	7184520.00	34.41	1.00	ANFIBOL	0.05 PPM
S	RO-18	19.00	DF-3151	715830.50	7184520.00	33.55	1.00	ANFIBOL	0.05 PPM
S	RO-18	20.00	DF-3152	715830.00	7184520.00	32.68	1.00	ANFIBOL	0.05 PPM
S	RO-18	21.00	DF-3153	715829.50	7184520.00	31.81	1.00	ANFIBOL	0.05 PPM
S	RO-18	22.00	DF-3154	715829.00	7184520.00	30.95	1.00	ANFIBOL	0.05 PPM
S	RO-18	23.00	DF-3155	715828.50	7184520.00	30.08	1.00	ANFIBOL	0.05 PPM
S	RO-18	24.00	DF-3156	715828.00	7184520.00	29.22	1.00	ANFIBOL	0.05 PPM
S	RO-18	25.00	MEDIDA	715827.50	7184520.00	28.35	0.00		- PPM
S	RO-18	25.00	DF-3157	715827.50	7184520.00	28.35	1.00	ANFIBOL	0.05 PPM
S	RO-18	26.00	DF-3158	715827.08	7184519.99	27.44	1.00	ANFIBOL	0.05 PPM
S	RO-18	27.00	DF-3159	715826.65	7184519.99	26.54	1.00	ANFIBOL	0.05 PPM
S	RO-18	28.00	DF-3160	715826.23	7184519.98	25.63	1.00	ANFIBOL	0.05 PPM
S	RO-18	29.00	DF-3161	715825.81	7184519.97	24.72	1.00	ANFIBOL	0.05 PPM
S	RO-18	30.00	DF-3162	715825.39	7184519.96	23.82	1.00	ANFIBOL	0.05 PPM
S	RO-18	31.00	DF-3163	715824.96	7184519.96	22.91	1.00	ANFIBOL	0.05 PPM
S	RO-18	32.00	DF-3164	715824.54	7184519.95	22.01	1.00	GNANFIB	0.05 PPM
S	RO-18	33.00	DF-3165	715824.12	7184519.94	21.10	1.00	ANFIBOL	0.05 PPM
S	RO-18	34.00	DF-3166	715823.70	7184519.93	20.19	1.00	ANFIBOL	0.05 PPM
S	RO-18	35.00	DF-3167	715823.27	7184519.93	19.29	1.00	ANFIBOL	0.05 PPM
S	RO-18	36.00	DF-3168	715822.85	7184519.92	18.38	1.00	ANFIBOL	0.05 PPM
S	RO-18	37.00	DF-3169	715822.43	7184519.91	17.47	1.00	ANFIBOL	0.05 PPM
S	RO-18	38.00	DF-3170	715822.01	7184519.90	16.57	1.00	ANFIBOL	0.05 PPM
S	RO-18	39.00	DF-3171	715821.58	7184519.90	15.66	1.00	ANFIBOL	0.05 PPM
S	RO-18	40.00	DF-3172	715821.16	7184519.89	14.75	1.00	ANFIBOL	0.05 PPM
S	RO-18	41.00	DF-3173	715820.74	7184519.88	13.85	1.00	ANFIBOL	0.05 PPM
S	RO-18	42.00	DF-3174	715820.32	7184519.87	12.94	1.00	ANFIBOL	0.05 PPM
S	RO-18	43.00	DF-3175	715819.89	7184519.87	12.04	1.00	GNANFIB	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-18	44.00	DF-3176	715819.47	7184519.86	11.13	1.00	GNANFIB	0.05 PPM
S	RO-18	45.00	DF-3177	715819.05	7184519.85	10.22	1.00	GNANFIB	0.23 PPM
S	RO-18	46.00	DF-3178	715818.63	7184519.85	9.32	1.00	GNANFIB	0.05 PPM
S	RO-18	47.00	DF-3179	715818.20	7184519.84	8.41	1.00	GNANFIB	0.05 PPM
S	RO-18	48.00	DF-3180	715817.78	7184519.83	7.50	1.00	GNANFIB	0.05 PPM
S	RO-18	49.00	DF-3181	715817.36	7184519.82	6.60	1.00	GNANFIB	0.05 PPM
S	RO-18	50.00	MEDIDA	715816.94	7184519.82	5.69	0.00		- PPM
S	RO-18	50.00	DF-3182	715816.94	7184519.82	5.69	1.00	GNANFIB	0.05 PPM
S	RO-18	51.00	DF-3183	715816.51	7184519.81	4.79	1.00	FELDSPATZ.	0.05 PPM
S	RO-18	52.00	DF-3184	715816.09	7184519.80	3.88	1.00	FELDSPATZ.	0.05 PPM
S	RO-18	53.00	DF-3185	715815.67	7184519.79	2.97	1.00	FELDSPATZ.	0.05 PPM
S	RO-18	54.00	DF-3186	715815.25	7184519.79	2.07	1.05	FELDSPATZ.	0.31 PPM
S	RO-18	55.05	FINAL	715814.80	7184519.78	1.11	-55.05		- PPM
S	RO-19	0.00	BOCA	715765.00	7184392.50	25.00	0.00		- PPM
S	RO-19	0.00	DF-3187	715765.00	7184392.50	25.00	1.00	SOLO	0.05 PPM
S	RO-19	1.00	DF-3188	715765.50	7184392.50	24.13	1.00	SOLO	0.05 PPM
S	RO-19	2.00	DF-3189	715766.00	7184392.50	23.27	1.00	SOLO	0.05 PPM
S	RO-19	3.00	DF-3190	715766.50	7184392.50	22.40	1.00	SOLO	0.05 PPM
S	RO-19	4.00	DF-3191	715767.00	7184392.50	21.54	1.00	SOLO	0.05 PPM
S	RO-19	5.00	DF-3192	715767.50	7184392.50	20.67	1.00	SOLO	0.05 PPM
S	RO-19	6.00	DF-3193	715768.00	7184392.50	19.80	1.00	SOLO	0.05 PPM
S	RO-19	7.00	DF-3194	715768.50	7184392.50	18.94	1.00	GNAISSE	0.05 PPM
S	RO-19	8.00	DF-3195	715769.00	7184392.50	18.07	1.00	GNAISSE	0.05 PPM
S	RO-19	9.00	DF-3196	715769.50	7184392.50	17.21	1.00	GNAISSE	0.05 PPM
S	RO-19	10.00	DF-3197	715770.00	7184392.50	16.34	1.00	GNAISSE	0.05 PPM
S	RO-19	11.00	DF-3198	715770.50	7184392.50	15.47	1.00	GNAISSE	0.05 PPM
S	RO-19	12.00	DF-3199	715771.00	7184392.50	14.61	1.00	GNAISSE	0.05 PPM
S	RO-19	13.00	DF-3200	715771.50	7184392.50	13.74	1.00	ANFIBOL	0.05 PPM
S	RO-19	14.00	DF-3201	715772.00	7184392.50	12.88	1.00	ANFIBOL	0.05 PPM
S	RO-19	15.00	DF-3202	715772.50	7184392.50	12.01	1.00	ANFIBOL	0.05 PPM
S	RO-19	16.00	DF-3203	715773.00	7184392.50	11.14	1.00	ANFIBOL	0.05 PPM
S	RO-19	17.00	DF-3204	715773.50	7184392.50	10.28	1.00	ANFIBOL	0.05 PPM
S	RO-19	18.00	DF-3205	715774.00	7184392.50	9.41	1.00	GNANFIB	0.05 PPM
S	RO-19	19.00	DF-3206	715774.50	7184392.50	8.55	1.00	GNANFIB	0.05 PPM
S	RO-19	20.00	DF-3207	715775.00	7184392.50	7.68	1.00	GNANFIB	0.05 PPM
S	RO-19	21.00	DF-3208	715775.50	7184392.50	6.81	1.00	GNANFIB	0.05 PPM
S	RO-19	22.00	DF-3209	715776.00	7184392.50	5.95	1.00	ANFIBOL	0.05 PPM
S	RO-19	23.00	DF-3210	715776.50	7184392.50	5.08	1.00	ANFIBOL	0.05 PPM
S	RO-19	24.00	DF-3211	715777.00	7184392.50	4.22	1.00	GNANFIB	0.05 PPM
S	RO-19	25.00	MEDIDA	715777.50	7184392.50	3.35	0.00		- PPM
S	RO-19	25.00	DF-3212	715777.50	7184392.50	3.35	1.00	GNANFIB	0.05 PPM
S	RO-19	26.00	DF-3213	715778.07	7184392.50	2.53	1.00	GNANFIB	0.05 PPM
S	RO-19	27.00	DF-3214	715778.65	7184392.50	1.71	1.00	GNANFIB	0.05 PPM
S	RO-19	28.00	DF-3215	715779.22	7184392.50	0.89	1.00	GNANFIB	0.05 PPM
S	RO-19	29.00	DF-3216	715779.79	7184392.50	0.07	1.00	GNANFIB	0.05 PPM
S	RO-19	30.00	DF-3217	715780.37	7184392.50	-0.75	1.00	GNANFIB	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-19	31.00	DF-3218	715780.94	7184392.50	-1.57	1.00	ANFIBOL	0.05 PPM
S	RO-19	32.00	DF-3219	715781.52	7184392.50	-2.38	1.00	ANFIBOL	0.05 PPM
S	RO-19	33.00	DF-3220	715782.09	7184392.50	-3.20	1.00	ANFIBOL	0.05 PPM
S	RO-19	34.00	DF-3221	715782.66	7184392.50	-4.02	1.00	GNANFIB	0.05 PPM
S	RO-19	35.00	DF-3222	715783.24	7184392.50	-4.84	1.00	GNANFIB	0.05 PPM
S	RO-19	36.00	DF-3223	715783.81	7184392.50	-5.66	1.00	GNANFIB	0.05 PPM
S	RO-19	37.00	DF-3224	715784.38	7184392.50	-6.48	1.00	ANFIBOL	0.05 PPM
S	RO-19	38.00	DF-3225	715784.96	7184392.50	-7.30	1.00	ANFIBOL	0.05 PPM
S	RO-19	39.00	DF-3226	715785.53	7184392.50	-8.12	1.00	ANFIBOL	0.05 PPM
S	RO-19	40.00	DF-3227	715786.10	7184392.50	-8.94	1.00	GNANFIB	0.05 PPM
S	RO-19	41.00	DF-3228	715786.68	7184392.50	-9.76	1.00	GNANFIB	0.05 PPM
S	RO-19	42.00	DF-3229	715787.25	7184392.50	-10.58	1.00	GNANFIB	0.05 PPM
S	RO-19	43.00	DF-3230	715787.82	7184392.50	-11.40	1.00	ANFIBOL	0.05 PPM
S	RO-19	44.00	DF-3231	715788.40	7184392.50	-12.21	1.00	ANFIBOL	0.05 PPM
S	RO-19	45.00	DF-3232	715788.97	7184392.50	-13.03	1.00	ANFIBOL	0.05 PPM
S	RO-19	46.00	DF-3233	715789.55	7184392.50	-13.85	1.00	GNANFIB	0.05 PPM
S	RO-19	47.00	DF-3234	715790.12	7184392.50	-14.67	1.00	GNANFIB	0.05 PPM
S	RO-19	48.00	DF-3235	715790.69	7184392.50	-15.49	1.00	GNANFIB	0.05 PPM
S	RO-19	49.00	DF-3236	715791.27	7184392.50	-16.31	1.00	GNANFIB	0.05 PPM
S	RO-19	50.00	MEDIDA	715791.84	7184392.50	-17.13	0.00		- PPM
S	RO-19	50.00	DF-3237	715791.84	7184392.50	-17.13	1.00	GNAISSE	0.05 PPM
S	RO-19	51.00	DF-3238	715792.40	7184392.50	-17.96	1.00	GNAISSE	0.05 PPM
S	RO-19	52.00	DF-3239	715792.96	7184392.50	-18.79	1.00	GNAISSE	0.05 PPM
S	RO-19	53.00	DF-3240	715793.52	7184392.50	-19.62	1.00	GNAISSE	0.05 PPM
S	RO-19	54.00	DF-3241	715794.08	7184392.50	-20.45	1.00	GNAISSE	0.05 PPM
S	RO-19	55.00	DF-3242	715794.64	7184392.50	-21.27	1.00	GNAISSE	0.05 PPM
S	RO-19	56.00	DF-3243	715795.19	7184392.50	-22.10	1.00	GNAISSE	0.05 PPM
S	RO-19	57.00	DF-3244	715795.75	7184392.50	-22.93	1.00	GNAISSE	0.05 PPM
S	RO-19	58.00	DF-3245	715796.31	7184392.50	-23.76	1.00	GNAISSE	0.05 PPM
S	RO-19	59.00	DF-3246	715796.87	7184392.50	-24.59	1.00	GNAISSE	0.05 PPM
S	RO-19	60.00	DF-3247	715797.43	7184392.50	-25.42	1.00	GNAISSE	0.05 PPM
S	RO-19	61.00	DF-3248	715797.99	7184392.50	-26.25	1.00	GNAISSE	0.05 PPM
S	RO-19	62.00	DF-3249	715798.55	7184392.50	-27.08	1.00	GNAISSE	0.05 PPM
S	RO-19	63.00	DF-3250	715799.11	7184392.50	-27.91	1.00	GNAISSE	0.05 PPM
S	RO-19	64.00	DF-3251	715799.67	7184392.50	-28.74	1.00	GNAISSE	0.05 PPM
S	RO-19	65.00	DF-3252	715800.23	7184392.50	-29.57	1.00	GNAISSE	0.05 PPM
S	RO-19	66.00	DF-3253	715800.79	7184392.50	-30.39	1.00	GNAISSE	0.05 PPM
S	RO-19	67.00	DF-3254	715801.35	7184392.50	-31.22	1.00	QUARTZO	0.05 PPM
S	RO-19	68.00	DF-3255	715801.90	7184392.50	-32.05	1.00	BRFELDSP.	0.05 PPM
S	RO-19	69.00	DF-3256	715802.46	7184392.50	-32.88	1.00	QUARTZO	0.05 PPM
S	RO-19	70.00	DF-3257	715803.02	7184392.50	-33.71	1.00	BRFELDSP.	0.05 PPM
S	RO-19	71.00	DF-3258	715803.58	7184392.50	-34.54	1.00	BRFELDSP.	0.05 PPM
S	RO-19	72.00	DF-3259	715804.14	7184392.50	-35.37	1.00	BRFELDSP.	0.05 PPM
S	RO-19	73.00	DF-3260	715804.70	7184392.50	-36.20	1.00	BRFELDSP.	0.05 PPM
S	RO-19	74.00	DF-3261	715805.26	7184392.50	-37.03	1.00	BRFELDSP.	0.05 PPM
S	RO-19	75.00	DF-3262	715805.82	7184392.50	-37.86	1.00	BRFELDSP.	0.05 PPM

MINERAIS DO PARANA S.A.

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
S	RO-19	76.00	DF-3263	715806.38	7184392.50	-38.68	1.00	BRFELDSP.	0.05 PPM
S	RO-19	77.00	DF-3264	715806.94	7184392.50	-39.51	1.00	BRFELDSP.	0.05 PPM
S	RO-19	78.00	DF-3265	715807.50	7184392.50	-40.34	1.00	BRFELDSP.	0.05 PPM
S	RO-19	79.00	DF-3266	715808.06	7184392.50	-41.17	1.00	BRFELDSP.	0.05 PPM
S	RO-19	80.00	DF-3267	715808.62	7184392.50	-42.00	1.00	BRFELDSP.	0.05 PPM
S	RO-19	81.00	DF-3268	715809.17	7184392.50	-42.83	1.00	BRFELDSP.	0.05 PPM
S	RO-19	82.00	DF-3269	715809.73	7184392.50	-43.66	1.00	BRFELDSP.	0.05 PPM
S	RO-19	83.00	DF-3270	715810.29	7184392.50	-44.49	1.00	BRFELDSP.	0.05 PPM
S	RO-19	84.00	DF-3271	715810.85	7184392.50	-45.32	1.00	BRFELDSP.	0.05 PPM
S	RO-19	85.00	DF-3272	715811.41	7184392.50	-46.15	1.00	BRFELDSP.	0.05 PPM
S	RO-19	86.00	DF-3273	715811.97	7184392.50	-46.97	1.00	BRFELDSP.	0.05 PPM
S	RO-19	87.00	DF-3274	715812.53	7184392.50	-47.80	1.00	BRFELDSP.	0.05 PPM
S	RO-19	88.00	DF-3275	715813.09	7184392.50	-48.63	1.00	BRFELDSP.	0.05 PPM
S	RO-19	89.00	DF-3276	715813.65	7184392.50	-49.46	1.00	BRFELDSP.	- PPM
S	RO-19	90.00	DF-3277	715814.21	7184392.50	-50.29	1.00	QZCLMAG	- PPM
S	RO-19	91.00	DF-3278	715814.77	7184392.50	-51.12	1.00	QZCLMAG	- PPM
S	RO-19	92.00	DF-3279	715815.33	7184392.50	-51.95	1.00	QZCLMAG	- PPM
S	RO-19	93.00	DF-3280	715815.88	7184392.50	-52.78	1.00	QZCLMAG	- PPM
S	RO-19	94.00	DF-3281	715816.44	7184392.50	-53.61	1.00	QZCLMAG	- PPM
S	RO-19	95.00	DF-3282	715817.00	7184392.50	-54.44	1.00	QZCLMAG	- PPM
S	RO-19	96.00	DF-3283	715817.56	7184392.50	-55.27	1.00	QZCLMAG	- PPM
S	RO-19	97.00	DF-3284	715818.12	7184392.50	-56.09	1.00	QZCLMAG	- PPM
S	RO-19	98.00	DF-3285	715818.68	7184392.50	-56.92	1.00	QZCLMAG	- PPM
S	RO-19	99.00	DF-3286	715819.24	7184392.50	-57.75	1.00	QZCLMAG	- PPM
S	RO-19	100.00	MEDIDA	715819.80	7184392.50	-58.58	0.00		- PPM
S	RO-19	100.00	DF-3287	715819.80	7184392.50	-58.58	1.00	QZCLMAG	- PPM
S	RO-19	101.00	DF-3288	715820.39	7184392.50	-59.39	1.00	QZCLMAG	- PPM
S	RO-19	102.00	DF-3289	715820.97	7184392.50	-60.20	1.00	QZCLMAG	- PPM
S	RO-19	103.00	DF-3290	715821.56	7184392.50	-61.01	1.00	QZCLMAG	- PPM
S	RO-19	104.00	DF-3291	715822.15	7184392.50	-61.82	1.00	QZCLMAG	- PPM
S	RO-19	105.00	DF-3292	715822.74	7184392.50	-62.63	1.00	QZCLMAG	- PPM
S	RO-19	106.00	DF-3293	715823.33	7184392.50	-63.44	1.00	QZCLMAG	- PPM
S	RO-19	107.00	DF-3294	715823.91	7184392.50	-64.24	1.00	QZCLMAG	- PPM
S	RO-19	108.00	DF-3295	715824.50	7184392.50	-65.05	1.00	QZCLMAG	- PPM
S	RO-19	109.00	DF-3296	715825.09	7184392.50	-65.86	1.00	QZCLMAG	- PPM
S	RO-19	110.00	DF-3297	715825.68	7184392.50	-66.67	1.00	QZCLMAG	- PPM
S	RO-19	111.00	DF-3298	715826.26	7184392.50	-67.48	1.00	QZCLMAG	- PPM
S	RO-19	112.00	DF-3299	715826.85	7184392.50	-68.29	1.00	QZCLMAG	- PPM
S	RO-19	113.00	DF-3300	715827.44	7184392.50	-69.10	1.00	QZCLMAG	- PPM
S	RO-19	114.00	DF-3301	715828.03	7184392.50	-69.91	1.00	QZCLMAG	- PPM
S	RO-19	115.00	DF-3302	715828.62	7184392.50	-70.72	1.00	QZCLMAG	- PPM
S	RO-19	116.00	DF-3303	715829.20	7184392.50	-71.53	1.00	QZCLMAG	- PPM
S	RO-19	117.00	DF-3304	715829.79	7184392.50	-72.33	1.00	QZCLMAG	- PPM
S	RO-19	118.00	DF-3305	715830.38	7184392.50	-73.14	1.00	QZCLMAG	- PPM
S	RO-19	119.00	DF-3306	715830.97	7184392.50	-73.95	1.00	QZCLMAG	- PPM
S	RO-19	120.00	DF-3307	715831.55	7184392.50	-74.76	1.00	QZCLMAG	- PPM

MINERAIS DO PARANA S.A.

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Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO	
S	RO-19	121.00	DF-3308	715832.14	7184392.50	-75.57	1.00	QZCLMAG	-	PPM
S	RO-19	122.00	DF-3309	715832.73	7184392.50	-76.38	1.00	QZCLMAG	-	PPM
S	RO-19	123.00	DF-3310	715833.32	7184392.50	-77.19	1.00	QZCLMAG	-	PPM
S	RO-19	124.00	DF-3311	715833.91	7184392.50	-78.00	1.00	QZCLMAG	-	PPM
S	RO-19	125.00	MEDIDA	715834.49	7184392.50	-78.81	0.00		-	PPM
S	RO-19	125.00	DF-3312	715834.49	7184392.50	-78.81	1.00	QZCLMAG	-	PPM
S	RO-19	126.00	FINAL	715835.10	7184392.50	-79.61	-126.00		-	PPM
S	RO-20	0.00	BOCA	715835.00	7184294.00	36.00	0.00		-	PPM
S	RO-20	0.00	DF-3313	715835.00	7184294.00	36.00	1.00	SOLO	2.16	PPM
S	RO-20	1.00	DF-3314	715835.71	7184294.00	35.29	1.00	SOLO	0.26	PPM
S	RO-20	2.00	DF-3315	715836.41	7184294.00	34.59	1.00	GNAISSE	0.33	PPM
S	RO-20	3.00	DF-3316	715837.12	7184294.00	33.88	1.00	GNAISSE	0.53	PPM
S	RO-20	4.00	DF-3317	715837.83	7184294.00	33.17	1.00	GNAISSE	0.16	PPM
S	RO-20	5.00	DF-3318	715838.54	7184294.00	32.46	1.00	GNAISSE	1.36	PPM
S	RO-20	6.00	DF-3319	715839.24	7184294.00	31.76	1.00	GNAISSE	0.91	PPM
S	RO-20	7.00	DF-3320	715839.95	7184294.00	31.05	1.00	GNAISSE	1.57	PPM
S	RO-20	8.00	DF-3321	715840.66	7184294.00	30.34	1.00	GNAISSE	3.62	PPM
S	RO-20	9.00	DF-3322	715841.36	7184294.00	29.64	1.00	GNAISSE	0.81	PPM
S	RO-20	10.00	DF-3323	715842.07	7184294.00	28.93	1.00	GNAISSE	0.40	PPM
S	RO-20	11.00	DF-3324	715842.78	7184294.00	28.22	1.00	GNAISSE	0.91	PPM
S	RO-20	12.00	DF-3325	715843.49	7184294.00	27.51	1.00	GNAISSE	0.30	PPM
S	RO-20	13.00	DF-3326	715844.19	7184294.00	26.81	1.00	GNAISSE	0.21	PPM
S	RO-20	14.00	DF-3327	715844.90	7184294.00	26.10	1.00	GNAISSE	0.17	PPM
S	RO-20	15.00	DF-3328	715845.61	7184294.00	25.39	1.00	GNAISSE	0.37	PPM
S	RO-20	16.00	DF-3329	715846.31	7184294.00	24.69	1.00	GNAISSE	0.05	PPM
S	RO-20	17.00	DF-3330	715847.02	7184294.00	23.98	1.00	GNAISSE	0.05	PPM
S	RO-20	18.00	DF-3331	715847.73	7184294.00	23.27	1.00	GNAISSE	0.05	PPM
S	RO-20	19.00	DF-3332	715848.44	7184294.00	22.56	1.00	GNAISSE	0.05	PPM
S	RO-20	20.00	DF-3333	715849.14	7184294.00	21.86	1.00	GNAISSE	0.05	PPM
S	RO-20	21.00	DF-3334	715849.85	7184294.00	21.15	1.00	GNAISSE	0.05	PPM
S	RO-20	22.00	DF-3335	715850.56	7184294.00	20.44	1.00	GNAISSE	0.05	PPM
S	RO-20	23.00	DF-3336	715851.26	7184294.00	19.74	1.00	GNAISSE	0.05	PPM
S	RO-20	24.00	DF-3337	715851.97	7184294.00	19.03	1.00	GNAISSE	0.36	PPM
S	RO-20	25.00	MEDIDA	715852.68	7184294.00	18.32	0.00		-	PPM
S	RO-20	25.00	DF-3338	715852.68	7184294.00	18.32	1.00	GNAISSE	0.05	PPM
S	RO-20	26.00	DF-3339	715853.37	7184293.96	17.60	1.00	GNAISSE	0.05	PPM
S	RO-20	27.00	DF-3340	715854.07	7184293.93	16.88	1.00	QUARTZO	1.03	PPM
S	RO-20	28.00	DF-3341	715854.76	7184293.89	16.16	1.00	QUARTZO	0.43	PPM
S	RO-20	29.00	DF-3342	715855.45	7184293.85	15.44	1.00	XISTOS	0.05	PPM
S	RO-20	30.00	DF-3343	715856.15	7184293.82	14.73	1.00	XISTOS	0.05	PPM
S	RO-20	31.00	DF-3344	715856.84	7184293.78	14.01	1.00	XISTOS	0.05	PPM
S	RO-20	32.00	DF-3345	715857.53	7184293.75	13.29	1.00	XISTOS	0.05	PPM
S	RO-20	33.00	DF-3346	715858.23	7184293.71	12.57	1.00	XISTOS	0.84	PPM
S	RO-20	34.00	FINAL	715858.92	7184293.67	11.85	-34.00		-	PPM
T	T-50	0.00	FINAL	715863.00	7184297.00	40.00	0.00		-	PPM
T	T-50	0.00	DF-2329	715850.00	7184297.00	40.50	1.00	QUARTZO	12.20	PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-50	0.00	DF-2330	715851.00	7184297.00	40.50	1.00	QUARTZO	8.87 PPM
T	T-50	0.00	DF-2331	715852.00	7184297.00	40.50	1.00	QUARTZO	25.80 PPM
T	T-50	0.00	DF-2332	715853.00	7184297.00	41.30	1.00	QUARTZO	9.40 PPM
T	T-50	0.00	DF-2333	715854.00	7184297.00	42.00	1.00	QUARTZO	12.37 PPM
T	T-50	0.00	DF-2334	715855.00	7184297.00	42.20	1.00	QUARTZO	6.06 PPM
T	T-50	0.00	DF-2335	715856.00	7184297.00	42.30	1.00	QUARTZO	1.08 PPM
T	T-50	0.00	DF-2336	715857.00	7184297.00	42.20	1.00	QUARTZO	0.26 PPM
T	T-50	0.00	DF-2337	715858.00	7184297.00	42.00	1.00	QUARTZO	0.05 PPM
T	T-50	0.00	DF-2338	715859.00	7184297.00	41.80	1.00	QUARTZO	7.28 PPM
T	T-50	0.00	DF-2339	715860.00	7184297.00	41.80	1.00	QUARTZO	0.05 PPM
T	T-50	0.00	DF-2340	715861.00	7184297.00	41.00	1.00	QUARTZO	0.05 PPM
T	T-50	0.00	DF-2341	715862.00	7184297.00	40.90	1.00	QUARTZO	0.05 PPM
T	T-50	0.00	DF-2342	715849.00	7184297.00	39.70	1.00	QUARTZO	9.60 PPM
T	T-50	0.00	DF-2343	715848.00	7184297.00	39.30	1.00	QUARTZO	2.60 PPM
T	T-50	0.00	DF-2344	715847.00	7184297.00	39.00	1.00	GNAISSE	3.91 PPM
T	T-50	0.00	DF-2345	715846.00	7184297.00	38.70	1.00	GNAISSE	0.60 PPM
T	T-50	0.00	DF-2346	715845.00	7184297.00	38.50	1.00	GNAISSE	0.30 PPM
T	T-50	0.00	DF-3416	715839.00	7184297.00	38.25	1.00	GNAISSE	0.53 PPM
T	T-50	0.00	DF-3417	715840.00	7184297.00	38.00	1.00	GNAISSE	1.07 PPM
T	T-50	0.00	DF-3418	715841.00	7184297.00	37.75	1.00	GNAISSE	0.21 PPM
T	T-50	0.00	DF-3419	715842.00	7184297.00	37.50	1.00	GNAISSE	0.34 PPM
T	T-50	0.00	DF-3420	715843.00	7184297.00	37.25	1.00	GNAISSE	0.43 PPM
T	T-50	0.00	DF-3421	715844.00	7184297.00	37.00	1.00	GNAISSE	0.86 PPM
T	T-75	0.00	FINAL	715878.00	7184320.50	45.30	0.00		- PPM
T	T-75	0.00	DF-2348	715849.00	7184320.50	40.20	1.00	QUARTZO	15.31 PPM
T	T-75	0.00	DF-2349	715848.00	7184320.50	39.80	1.00	QUARTZO	4.38 PPM
T	T-75	0.00	DF-2350	715847.00	7184320.50	39.50	1.00	QUARTZO	1.06 PPM
T	T-75	0.00	DF-2351	715846.00	7184320.50	39.00	1.00	QUARTZO	0.21 PPM
T	T-75	0.00	DF-2352	715845.00	7184320.50	38.00	1.00	QUARTZO	0.18 PPM
T	T-75	0.00	DF-2353	715844.00	7184320.50	37.60	1.00	GNAISSE	0.16 PPM
T	T-75	0.00	DF-2354	715843.00	7184320.50	37.60	1.00	GNAISSE	0.98 PPM
T	T-75	0.00	DF-2355	715842.00	7184320.50	37.60	1.00	GNAISSE	0.76 PPM
T	T-75	0.00	DF-2356	715841.00	7184320.50	37.40	1.00	GNAISSE	0.34 PPM
T	T-75	0.00	DF-2357	715840.00	7184320.50	37.00	1.00	GNAISSE	0.33 PPM
T	T-75	0.00	DF-2358	715839.00	7184320.50	36.50	1.00	GNAISSE	0.61 PPM
T	T-75	0.00	DF-2359	715838.00	7184320.50	36.00	1.00	GNAISSE	1.20 PPM
T	T-75	0.00	DF-2360	715837.00	7184320.50	35.60	1.00	GNAISSE	1.03 PPM
T	T-75	0.00	DF-2361	715836.00	7184320.50	35.50	1.00	GNAISSE	0.61 PPM
T	T-75	0.00	DF-2362	715850.00	7184320.50	40.20	1.00	QUARTZO	0.43 PPM
T	T-75	0.00	DF-2363	715851.00	7184320.50	40.20	1.00	GNAISSE	3.37 PPM
T	T-75	0.00	DF-2364	715852.00	7184320.50	40.50	1.00	GNAISSE	0.86 PPM
T	T-75	0.00	DF-2365	715853.00	7184320.50	41.00	1.00	QUARTZO	0.31 PPM
T	T-75	0.00	DF-2366	715854.00	7184320.50	42.30	1.00	QUARTZO	2.18 PPM
T	T-75	0.00	DF-2367	715855.00	7184320.50	42.30	1.00	GNAISSE	0.93 PPM
T	T-75	0.00	DF-2368	715856.00	7184320.50	42.80	1.00	GNAISSE	1.40 PPM
T	T-75	0.00	DF-2369	715857.00	7184320.50	43.50	1.00	GNAISSE	4.15 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-75	0.00	DF-2370	715858.00	7184320.50	44.80	1.00	QUARTZO	0.34 PPM
T	T-75	0.00	DF-2371	715859.00	7184320.50	45.50	1.00	QUARTZO	2.16 PPM
T	T-75	0.00	DF-2372	715860.00	7184320.50	45.80	1.00	QUARTZO	1.01 PPM
T	T-75	0.00	DF-2373	715861.00	7184320.50	46.20	1.00	QUARTZO	1.27 PPM
T	T-75	0.00	DF-2374	715862.00	7184320.50	46.20	1.00	QUARTZO	0.91 PPM
T	T-75	0.00	DF-2375	715863.00	7184320.50	45.60	1.00	QUARTZO	1.46 PPM
T	T-75	0.00	DF-2376	715864.00	7184320.50	45.60	1.00	QUARTZO	0.24 PPM
T	T-75	0.00	DF-2377	715865.00	7184320.50	45.60	1.00	GNAISSE	0.34 PPM
T	T-75	0.00	DF-2378	715866.00	7184320.50	44.60	1.00	GNAISSE	0.41 PPM
T	T-75	0.00	DF-2379	715867.00	7184320.50	44.80	1.00	QUARTZO	0.17 PPM
T	T-75	0.00	DF-2380	715868.00	7184320.50	45.20	1.00	QUARTZO	0.18 PPM
T	T-75	0.00	DF-2381	715869.00	7184320.50	45.20	1.00	GNAISSE	1.04 PPM
T	T-75	0.00	DF-2382	715870.00	7184320.50	45.20	1.00	GNAISSE	0.23 PPM
T	T-75	0.00	DF-2383	715871.00	7184320.50	45.30	1.00	GNAISSE	0.18 PPM
T	T-75	0.00	DF-2384	715872.00	7184320.50	45.30	1.00	GNAISSE	0.28 PPM
T	T-75	0.00	DF-2385	715873.00	7184320.50	45.30	1.00	GNAISSE	0.21 PPM
T	T-75	0.00	DF-2386	715874.00	7184320.50	45.30	1.00	GNAISSE	0.93 PPM
T	T-75	0.00	DF-2387	715875.00	7184320.50	45.30	1.00	GNAISSE	0.71 PPM
T	T-75	0.00	DF-2388	715876.00	7184320.50	45.30	1.00	GNAISSE	1.64 PPM
T	T-75	0.00	DF-2389	715877.00	7184320.50	45.30	1.00	GNAISSE	0.21 PPM
T	T-100	0.00	FINAL	715883.00	7184345.00	51.50	0.00		- PPM
T	T-100	0.00	DF-2112	715855.00	7184345.00	49.50	1.00	QUARTZO	0.05 PPM
T	T-100	0.00	DF-2113	715856.00	7184345.00	49.50	1.00	SOLO	0.05 PPM
T	T-100	0.00	DF-2114	715857.00	7184345.00	49.50	1.00	QUARTZO	0.31 PPM
T	T-100	0.00	DF-2115	715858.00	7184345.00	50.70	1.00	QUARTZO	0.23 PPM
T	T-100	0.00	DF-2116	715859.00	7184345.00	51.80	1.00	SOLO	0.36 PPM
T	T-100	0.00	DF-2117	715860.00	7184345.00	51.80	1.00	QUARTZO	0.05 PPM
T	T-100	0.00	DF-2118	715861.00	7184345.00	53.00	1.00	QUARTZO	0.05 PPM
T	T-100	0.00	DF-2119	715862.00	7184345.00	53.00	1.00	QUARTZO	9.01 PPM
T	T-100	0.00	DF-2120	715863.00	7184345.00	53.90	1.00	QUARTZO	5.22 PPM
T	T-100	0.00	DF-2121	715864.00	7184345.00	53.90	1.00	QUARTZO	4.94 PPM
T	T-100	0.00	DF-2122	715865.00	7184345.00	53.70	1.00	SOLO	8.16 PPM
T	T-100	0.00	DF-2123	715866.00	7184345.00	53.80	1.00	QUARTZO	1.22 PPM
T	T-100	0.00	DF-2124	715867.00	7184345.00	53.70	1.00	SOLO	0.30 PPM
T	T-100	0.00	DF-2125	715868.00	7184345.00	53.70	1.00	QUARTZO	0.05 PPM
T	T-100	0.00	DF-2126	715869.00	7184345.00	53.70	1.00	SOLO	4.00 PPM
T	T-100	0.00	DF-2210	715853.00	7184345.00	49.50	1.00	GNAISSE	1.96 PPM
T	T-100	0.00	DF-2211	715854.00	7184345.00	49.50	1.00	GNAISSE	0.47 PPM
T	T-100	0.00	DF-2237	715850.00	7184345.00	44.60	1.00	GNAISSE	2.41 PPM
T	T-100	0.00	DF-2238	715851.00	7184345.00	44.60	1.00	GNAISSE	0.88 PPM
T	T-100	0.00	DF-2239	715852.00	7184345.00	48.80	1.00	GNAISSE	1.40 PPM
T	T-100	0.00	DF-2240	715849.00	7184345.00	43.80	1.00	GNAISSE	0.30 PPM
T	T-100	0.00	DF-2241	715848.00	7184345.00	43.80	1.00	GNAISSE	7.40 PPM
T	T-100	0.00	DF-2242	715847.00	7184345.00	45.80	1.00	GNAISSE	2.61 PPM
T	T-100	0.00	DF-2243	715846.00	7184345.00	43.70	1.00	GNAISSE	1.50 PPM
T	T-100	0.00	DF-2244	715845.00	7184345.00	43.30	1.00	GNAISSE	3.81 PPM

MINERAIS DO PARANA S.A.

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ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-100	0.00	DF-2245	715844.00	7184345.00	42.80	1.00	GNAISSE	8.35 PPM
T	T-100	0.00	DF-2246	715843.00	7184345.00	42.80	1.00	GNAISSE	4.08 PPM
T	T-100	0.00	DF-2247	715842.00	7184345.00	42.70	1.00	GNAISSE	0.50 PPM
T	T-100	0.00	DF-2248	715841.00	7184345.00	42.60	1.00	GNAISSE	2.48 PPM
T	T-100	0.00	DF-2249	715840.00	7184345.00	42.40	1.00	QUARTZO	0.71 PPM
T	T-100	0.00	DF-2250	715839.00	7184345.00	41.70	1.00	QUARTZO	1.58 PPM
T	T-100	0.00	DF-2251	715838.00	7184345.00	41.30	1.00	GNAISSE	0.16 PPM
T	T-100	0.00	DF-2252	715837.00	7184345.00	39.90	1.00	GNAISSE	0.24 PPM
T	T-100	0.00	DF-2253	715836.00	7184345.00	39.30	1.00	GNAISSE	0.05 PPM
T	T-100	0.00	DF-2254	715835.00	7184345.00	39.30	1.00	GNAISSE	0.27 PPM
T	T-100	0.00	DF-2255	715834.00	7184345.00	38.90	1.00	GNAISSE	0.40 PPM
T	T-100	0.00	DF-2256	715833.00	7184345.00	38.90	1.00	QUARTZO	0.83 PPM
T	T-100	0.00	DF-2257	715832.00	7184345.00	39.00	1.00	QUARTZO	2.26 PPM
T	T-100	0.00	DF-2258	715831.00	7184345.00	38.00	1.00	QUARTZO	0.05 PPM
T	T-100	0.00	DF-2259	715830.00	7184345.00	37.00	1.00	QUARTZO	0.86 PPM
T	T-100	0.00	DF-2260	715829.00	7184345.00	36.00	1.00	QUARTZO	0.83 PPM
T	T-100	0.00	DF-2261	715828.00	7184345.00	34.40	1.00	QUARTZO	0.90 PPM
T	T-100	0.00	DF-2262	715827.00	7184345.00	34.00	1.00	QUARTZO	1.87 PPM
T	T-100	0.00	DF-2263	715826.00	7184345.00	33.50	1.00	SOLO	5.50 PPM
T	T-100	0.00	DF-3422	715871.00	7184345.00	51.50	1.00	GNAISSE	0.05 PPM
T	T-100	0.00	DF-3423	715872.00	7184345.00	51.50	1.00	GNAISSE	1.94 PPM
T	T-100	0.00	DF-3424	715873.00	7184345.00	51.50	1.00	GNAISSE	2.63 PPM
T	T-100	0.00	DF-3425	715874.00	7184345.00	51.50	1.00	GNAISSE	0.71 PPM
T	T-100	0.00	DF-3426	715877.00	7184345.00	51.50	1.00	GNAISSE	1.96 PPM
T	T-100	0.00	DF-3427	715878.00	7184345.00	51.50	1.00	GNAISSE	1.54 PPM
T	T-100	0.00	DF-3428	715879.00	7184345.00	51.50	1.00	GNAISSE	0.34 PPM
T	T-100	0.00	DF-3429	715880.00	7184345.00	51.50	1.40	GNAISSE	1.34 PPM
T	T-100	0.00	DF-3430	715881.00	7184345.00	51.50	1.10	GNAISSE	0.71 PPM
T	T-100	0.00	DF-3431	715882.00	7184345.00	51.50	1.00	GNAISSE	4.98 PPM
T	T-100	0.00	DF-3820	715870.00	7184345.00	52.00	1.00	SOLO	0.05 PPM
T	T-100	0.00	DF-3821	715875.00	7184345.00	51.50	2.00	GNAISSE	0.05 PPM
T	T-125	0.00	FINAL	715890.00	7184370.50	54.40	0.00		- PPM
T	T-125	0.00	DF-2270	715850.00	7184370.50	49.50	1.00	SOLO	0.81 PPM
T	T-125	0.00	DF-2271	715851.00	7184370.50	49.50	1.00	SOLO	1.70 PPM
T	T-125	0.00	DF-2272	715852.00	7184370.50	50.50	1.00	SOLO	0.54 PPM
T	T-125	0.00	DF-2273	715853.00	7184370.50	51.60	1.00	SOLO	0.91 PPM
T	T-125	0.00	DF-2274	715854.00	7184370.50	52.40	1.00	GNAISSE	0.26 PPM
T	T-125	0.00	DF-2275	715855.00	7184370.50	53.30	1.00	GNAISSE	0.44 PPM
T	T-125	0.00	DF-2276	715856.00	7184370.50	53.30	1.00	GNAISSE	0.37 PPM
T	T-125	0.00	DF-2277	715857.00	7184370.50	53.30	1.00	GNAISSE	0.34 PPM
T	T-125	0.00	DF-2278	715858.00	7184370.50	53.50	1.00	GNAISSE	0.27 PPM
T	T-125	0.00	DF-2279	715859.00	7184370.50	53.50	1.00	GNAISSE	0.26 PPM
T	T-125	0.00	DF-2280	715860.00	7184370.50	55.20	1.00	QUARTZO	0.05 PPM
T	T-125	0.00	DF-2281	715861.00	7184370.50	56.00	1.00	QUARTZO	0.86 PPM
T	T-125	0.00	DF-2282	715862.00	7184370.50	56.00	1.00	QUARTZO	0.61 PPM
T	T-125	0.00	DF-2283	715863.00	7184370.50	55.90	1.00	QUARTZO	0.14 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-125	0.00	DF-2284	715864.00	7184370.50	55.60	1.00	QUARTZO	0.20 PPM
T	T-125	0.00	DF-2285	715865.00	7184370.50	55.40	1.00	QUARTZO	6.28 PPM
T	T-125	0.00	DF-2286	715866.00	7184370.50	55.40	1.00	GNAISSE	25.35 PPM
T	T-125	0.00	DF-2287	715867.00	7184370.50	55.40	1.00	GNAISSE	4.31 PPM
T	T-125	0.00	DF-2288	715868.00	7184370.50	56.00	1.00	GNAISSE	1.08 PPM
T	T-125	0.00	DF-2289	715869.00	7184370.50	56.30	1.00	GNAISSE	1.44 PPM
T	T-125	0.00	DF-2290	715870.00	7184370.50	56.60	1.00	GNAISSE	0.73 PPM
T	T-125	0.00	DF-2291	715871.00	7184370.50	56.80	1.00	GNAISSE	1.16 PPM
T	T-125	0.00	DF-2292	715872.00	7184370.50	57.30	1.00	QUARTZO	0.31 PPM
T	T-125	0.00	DF-2293	715873.00	7184370.50	57.40	1.00	QUARTZO	1.38 PPM
T	T-125	0.00	DF-2294	715874.00	7184370.50	57.40	1.00	QUARTZO	1.47 PPM
T	T-125	0.00	DF-2295	715875.00	7184370.50	57.30	1.00	QUARTZO	0.87 PPM
T	T-125	0.00	DF-2296	715876.00	7184370.50	57.30	1.00	QUARTZO	0.50 PPM
T	T-125	0.00	DF-2297	715877.00	7184370.50	57.00	1.00	QUARTZO	16.22 PPM
T	T-125	0.00	DF-2298	715878.00	7184370.50	56.80	1.00	GNAISSE	2.98 PPM
T	T-125	0.00	DF-2299	715879.00	7184370.50	56.80	1.00	GNAISSE	0.87 PPM
T	T-125	0.00	DF-2300	715880.00	7184370.50	56.60	1.00	GNAISSE	1.94 PPM
T	T-125	0.00	DF-2301	715881.00	7184370.50	56.40	1.00	GNAISSE	0.33 PPM
T	T-125	0.00	DF-2302	715882.00	7184370.50	56.20	1.00	GNAISSE	0.57 PPM
T	T-125	0.00	DF-2303	715883.00	7184370.50	56.00	1.00	GNAISSE	0.56 PPM
T	T-125	0.00	DF-2304	715884.00	7184370.50	55.80	1.00	GNAISSE	0.28 PPM
T	T-125	0.00	DF-2305	715885.00	7184370.50	55.60	1.00	GNAISSE	0.34 PPM
T	T-125	0.00	DF-2306	715886.00	7184370.50	55.40	1.00	GNAISSE	0.17 PPM
T	T-125	0.00	DF-2307	715887.00	7184370.50	55.20	1.00	GNAISSE	0.16 PPM
T	T-125	0.00	DF-2308	715888.00	7184370.50	54.70	1.00	GNAISSE	0.05 PPM
T	T-125	0.00	DF-2309	715889.00	7184370.50	54.40	1.00	GNAISSE	0.46 PPM
T	T-125	0.00	DF-2310	715847.00	7184370.50	49.00	1.00	GNAISSE	1.34 PPM
T	T-125	0.00	DF-2311	715846.00	7184370.50	49.00	1.00	GNAISSE	2.14 PPM
T	T-125	0.00	DF-2312	715845.00	7184370.50	48.00	1.00	GNAISSE	0.48 PPM
T	T-125	0.00	DF-2313	715844.00	7184370.50	48.00	1.00	QUARTZO	0.97 PPM
T	T-125	0.00	DF-2314	715843.00	7184370.50	46.80	1.00	QUARTZO	1.80 PPM
T	T-125	0.00	DF-2315	715842.00	7184370.50	46.80	1.00	QUARTZO	7.21 PPM
T	T-125	0.00	DF-2316	715841.00	7184370.50	45.90	1.00	QUARTZO	0.43 PPM
T	T-125	0.00	DF-2317	715840.00	7184370.50	44.50	1.00	QUARTZO	0.70 PPM
T	T-125	0.00	DF-2318	715839.00	7184370.50	44.00	1.00	GNAISSE	2.86 PPM
T	T-125	0.00	DF-2319	715838.00	7184370.50	43.50	1.00	GNAISSE	3.98 PPM
T	T-125	0.00	DF-2320	715837.00	7184370.50	42.60	1.00	GNAISSE	0.57 PPM
T	T-125	0.00	DF-2321	715836.00	7184370.50	40.70	1.00	GNAISSE	1.24 PPM
T	T-125	0.00	DF-3822	715848.00	7184370.50	49.00	2.00	GNAISSE	0.05 PPM
T	T-150	0.00	FINAL	715890.00	7184394.50	60.00	0.00		- PPM
T	T-150	0.00	DF-2390	715850.00	7184394.50	53.50	1.00	GNAISSE	0.78 PPM
T	T-150	0.00	DF-2391	715851.00	7184394.50	54.50	1.00	QUARTZO	0.50 PPM
T	T-150	0.00	DF-2392	715852.00	7184394.50	55.50	1.00	QUARTZO	1.76 PPM
T	T-150	0.00	DF-2393	715853.00	7184394.50	56.00	1.00	QUARTZO	0.57 PPM
T	T-150	0.00	DF-2394	715854.00	7184394.50	57.00	1.00	QUARTZO	2.78 PPM
T	T-150	0.00	DF-2395	715855.00	7184394.50	57.50	1.00	QUARTZO	0.28 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-150	0.00	DF-2396	715856.00	7184394.50	58.50	1.00	QUARTZO	1.00 PPM
T	T-150	0.00	DF-2397	715857.00	7184394.50	59.00	1.00	QUARTZO	0.93 PPM
T	T-150	0.00	DF-2398	715858.00	7184394.50	59.50	1.00	QUARTZO	0.57 PPM
T	T-150	0.00	DF-2399	715859.00	7184394.50	59.50	1.00	XISTOS	1.71 PPM
T	T-150	0.00	DF-2400	715860.00	7184394.50	60.00	1.00	XISTOS	0.43 PPM
T	T-150	0.00	DF-2401	715861.00	7184394.50	60.50	1.00	XISTOS	2.11 PPM
T	T-150	0.00	DF-2402	715862.00	7184394.50	61.00	1.00	XISTOS	1.00 PPM
T	T-150	0.00	DF-2403	715863.00	7184394.50	61.00	1.00	XISTOS	1.07 PPM
T	T-150	0.00	DF-2404	715864.00	7184394.50	61.50	1.00	XISTOS	3.74 PPM
T	T-150	0.00	DF-2405	715865.00	7184394.50	61.50	1.00	XISTOS	1.14 PPM
T	T-150	0.00	DF-2406	715866.00	7184394.50	61.50	1.00	XISTOS	0.85 PPM
T	T-150	0.00	DF-2407	715867.00	7184394.50	61.50	1.00	XISTOS	0.85 PPM
T	T-150	0.00	DF-2408	715868.00	7184394.50	61.50	1.00	XISTOS	1.14 PPM
T	T-150	0.00	DF-2409	715869.00	7184394.50	61.50	1.00	XISTOS	1.07 PPM
T	T-150	0.00	DF-2410	715870.00	7184394.50	62.00	1.00	XISTOS	0.43 PPM
T	T-150	0.00	DF-2411	715871.00	7184394.50	62.00	1.00	XISTOS	2.00 PPM
T	T-150	0.00	DF-2412	715872.00	7184394.50	62.50	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2413	715873.00	7184394.50	62.50	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2414	715874.00	7184394.50	62.50	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2415	715875.00	7184394.50	62.50	1.00	QUARTZO	0.28 PPM
T	T-150	0.00	DF-2416	715876.00	7184394.50	63.00	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2417	715877.00	7184394.50	63.00	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2418	715878.00	7184394.50	63.00	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2419	715879.00	7184394.50	63.00	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2420	715880.00	7184394.50	63.00	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-2421	715849.00	7184394.50	52.00	1.00	GNAISSE	0.64 PPM
T	T-150	0.00	DF-2422	715848.00	7184394.50	52.00	1.00	GNAISSE	0.35 PPM
T	T-150	0.00	DF-2423	715847.00	7184394.50	52.00	1.00	GNAISSE	2.71 PPM
T	T-150	0.00	DF-2424	715846.00	7184394.50	52.00	1.00	GNAISSE	0.05 PPM
T	T-150	0.00	DF-3432	715881.00	7184394.50	60.50	1.00	GNAISSE	0.60 PPM
T	T-150	0.00	DF-3433	715882.00	7184394.50	60.50	1.00	GNAISSE	0.24 PPM
T	T-150	0.00	DF-3434	715883.00	7184394.50	60.50	1.00	GNAISSE	0.88 PPM
T	T-150	0.00	DF-3435	715884.00	7184394.50	60.50	1.00	GNAISSE	0.47 PPM
T	T-150	0.00	DF-3436	715885.00	7184394.50	60.50	1.00	GNAISSE	0.26 PPM
T	T-150	0.00	DF-3437	715886.00	7184394.50	60.00	1.00	GNAISSE	0.05 PPM
T	T-150	0.00	DF-3438	715887.00	7184394.50	60.00	1.00	GNAISSE	0.05 PPM
T	T-150	0.00	DF-3439	715888.00	7184394.50	60.00	1.00	QUARTZO	0.05 PPM
T	T-150	0.00	DF-3440	715889.00	7184394.50	60.00	0.50	QUARTZO	0.05 PPM
T	T-150	0.00	DF-3441	715845.00	7184394.50	51.00	0.50	GNAISSE	0.23 PPM
T	T-150	0.00	DF-3442	715844.00	7184394.50	50.50	1.00	GNAISSE	0.05 PPM
T	T-150	0.00	DF-3443	715843.00	7184394.50	50.00	1.00	GNAISSE	0.51 PPM
T	T-150	0.00	DF-3444	715842.00	7184394.50	49.50	1.00	GNAISSE	2.36 PPM
T	T-150	0.00	DF-3445	715841.00	7184394.50	49.00	1.00	GNAISSE	0.36 PPM
T	T-150	0.00	DF-3823	715845.50	7184394.50	51.50	0.50	GNAISSE	0.05 PPM
T	T-175	0.00	FINAL	715894.00	7184421.00	57.50	0.00		- PPM
T	T-175	0.00	DF-2425	715860.00	7184421.00	56.20	1.00	GNAISSE	3.20 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-175	0.00	DF-2426	715861.00	7184421.00	56.30	1.00	GNAISSE	3.72 PPM
T	T-175	0.00	DF-2427	715862.00	7184421.00	56.60	1.00	GNAISSE	7.13 PPM
T	T-175	0.00	DF-2428	715863.00	7184421.00	57.00	1.00	GNAISSE	5.24 PPM
T	T-175	0.00	DF-2429	715864.00	7184421.00	57.20	1.00	GNAISSE	3.02 PPM
T	T-175	0.00	DF-2430	715865.00	7184421.00	57.30	1.00	GNAISSE	1.17 PPM
T	T-175	0.00	DF-2431	715866.00	7184421.00	57.40	1.00	GNAISSE	1.68 PPM
T	T-175	0.00	DF-2432	715867.00	7184421.00	57.50	1.00	XISTOS	0.64 PPM
T	T-175	0.00	DF-2433	715868.00	7184421.00	57.50	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2434	715869.00	7184421.00	57.60	1.00	GNAISSE	0.33 PPM
T	T-175	0.00	DF-2435	715870.00	7184421.00	57.60	1.00	GNAISSE	0.31 PPM
T	T-175	0.00	DF-2436	715871.00	7184421.00	57.80	1.00	GNAISSE	0.56 PPM
T	T-175	0.00	DF-2437	715872.00	7184421.00	57.80	1.00	GNAISSE	0.93 PPM
T	T-175	0.00	DF-2438	715873.00	7184421.00	57.80	1.00	GNAISSE	0.23 PPM
T	T-175	0.00	DF-2439	715874.00	7184421.00	57.80	1.00	XISTOS	0.05 PPM
T	T-175	0.00	DF-2440	715875.00	7184421.00	57.80	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2441	715876.00	7184421.00	57.80	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2442	715877.00	7184421.00	57.80	1.00	QUARTZO	0.05 PPM
T	T-175	0.00	DF-2443	715878.00	7184421.00	57.80	1.00	QUARTZO	0.05 PPM
T	T-175	0.00	DF-2444	715879.00	7184421.00	57.80	1.00	QUARTZO	0.30 PPM
T	T-175	0.00	DF-2445	715880.00	7184421.00	57.80	1.00	QUARTZO	0.67 PPM
T	T-175	0.00	DF-2446	715881.00	7184421.00	57.80	1.00	QUARTZO	0.05 PPM
T	T-175	0.00	DF-2447	715882.00	7184421.00	57.80	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2448	715883.00	7184421.00	57.50	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2449	715884.00	7184421.00	57.50	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2450	715885.00	7184421.00	57.50	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2451	715886.00	7184421.00	57.50	1.00	GNAISSE	0.17 PPM
T	T-175	0.00	DF-2452	715887.00	7184421.00	57.50	1.00	GNAISSE	0.05 PPM
T	T-175	0.00	DF-2453	715888.00	7184421.00	57.50	1.00	GNAISSE	0.21 PPM
T	T-175	0.00	DF-2454	715889.00	7184421.00	57.50	1.00	SOLO	0.05 PPM
T	T-175	0.00	DF-2455	715890.00	7184421.00	57.50	1.00	SOLO	0.05 PPM
T	T-175	0.00	DF-2456	715891.00	7184421.00	57.50	1.00	SOLO	0.26 PPM
T	T-175	0.00	DF-2457	715892.00	7184421.00	57.50	1.00	SOLO	0.95 PPM
T	T-175	0.00	DF-2458	715893.00	7184421.00	57.50	1.00	SOLO	0.47 PPM
T	T-200	0.00	FINAL	715890.00	7184445.00	58.60	0.00		- PPM
T	T-200	0.00	DF-2459	715860.00	7184445.00	59.70	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2460	715861.00	7184445.00	60.20	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2461	715862.00	7184445.00	60.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2462	715863.00	7184445.00	61.50	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2463	715864.00	7184445.00	62.20	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2464	715865.00	7184445.00	62.70	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2465	715866.00	7184445.00	62.70	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2466	715867.00	7184445.00	62.70	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2467	715868.00	7184445.00	62.70	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2468	715869.00	7184445.00	62.70	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2469	715870.00	7184445.00	62.10	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2470	715871.00	7184445.00	62.10	1.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-200	0.00	DF-2471	715872.00	7184445.00	62.10	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2472	715873.00	7184445.00	62.10	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2473	715874.00	7184445.00	62.10	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2474	715875.00	7184445.00	62.20	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2475	715876.00	7184445.00	61.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2476	715877.00	7184445.00	61.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2477	715878.00	7184445.00	61.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2478	715879.00	7184445.00	61.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2479	715880.00	7184445.00	61.00	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2480	715881.00	7184445.00	59.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2481	715882.00	7184445.00	59.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2482	715883.00	7184445.00	59.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2483	715884.00	7184445.00	59.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2484	715885.00	7184445.00	59.60	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2485	715886.00	7184445.00	59.40	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2486	715887.00	7184445.00	59.20	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2487	715888.00	7184445.00	59.00	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2488	715889.00	7184445.00	58.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2489	715850.00	7184445.00	54.00	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2490	715851.00	7184445.00	54.40	1.00	GNAISSE	0.90 PPM
T	T-200	0.00	DF-2491	715852.00	7184445.00	54.80	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2492	715853.00	7184445.00	55.60	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2493	715854.00	7184445.00	56.50	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2494	715855.00	7184445.00	57.00	1.00	GNAISSE	0.40 PPM
T	T-200	0.00	DF-2495	715856.00	7184445.00	57.20	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2496	715857.00	7184445.00	57.30	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2497	715858.00	7184445.00	57.40	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2498	715859.00	7184445.00	59.00	1.00	GNAISSE	0.05 PPM
T	T-200	0.00	DF-2817	715849.00	7184445.00	53.60	1.00	GNAISSE	0.17 PPM
T	T-200	0.00	DF-2818	715848.00	7184445.00	53.40	1.00	GNAISSE	0.71 PPM
T	T-200	0.00	DF-2819	715847.00	7184445.00	53.20	1.00	GNAISSE	1.90 PPM
T	T-200	0.00	DF-2820	715846.00	7184445.00	53.00	1.00	GNAISSE	0.57 PPM
T	T-225	0.00	FINAL	715843.00	7184471.00	57.00	0.00		- PPM
T	T-225	0.00	DF-2821	715842.00	7184471.00	56.00	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2822	715841.00	7184471.00	55.00	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2823	715840.00	7184471.00	54.00	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2824	715839.00	7184471.00	53.50	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2825	715838.00	7184471.00	52.50	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2826	715837.00	7184471.00	51.50	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2827	715836.00	7184471.00	50.50	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2828	715835.00	7184471.00	49.50	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2829	715834.00	7184471.00	48.50	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2830	715833.00	7184471.00	47.50	1.00	GNAISSE	0.16 PPM
T	T-225	0.00	DF-2831	715832.00	7184471.00	47.00	1.00	GNAISSE	0.27 PPM
T	T-225	0.00	DF-2832	715831.00	7184471.00	46.50	1.00	GNAISSE	0.44 PPM
T	T-225	0.00	DF-2833	715830.00	7184471.00	45.50	1.00	GNAISSE	0.28 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-225	0.00	DF-2834	715829.00	7184471.00	45.00	1.00	GNAISSE	0.30 PPM
T	T-225	0.00	DF-2835	715828.00	7184471.00	44.50	1.00	GNAISSE	0.48 PPM
T	T-225	0.00	DF-2836	715827.00	7184471.00	44.00	1.00	GNAISSE	0.18 PPM
T	T-225	0.00	DF-2837	715826.00	7184471.00	43.50	1.00	GNAISSE	0.16 PPM
T	T-225	0.00	DF-2838	715825.00	7184471.00	42.80	1.00	GNAISSE	0.14 PPM
T	T-225	0.00	DF-2839	715824.00	7184471.00	42.00	1.00	QUARTZO	3.08 PPM
T	T-225	0.00	DF-2840	715823.00	7184471.00	41.50	1.00	GNAISSE	0.16 PPM
T	T-225	0.00	DF-2841	715822.00	7184471.00	41.00	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2842	715821.00	7184471.00	40.50	1.00	GNAISSE	0.05 PPM
T	T-225	0.00	DF-2843	715820.00	7184471.00	40.00	1.00	GNAISSE	0.05 PPM
T	T-237	0.00	FINAL	715832.00	7184482.50	50.00	0.00		- PPM
T	T-237	0.00	DF-2812	715827.00	7184482.50	49.00	1.00	QUARTZO	3.14 PPM
T	T-237	0.00	DF-2813	715828.00	7184482.50	49.50	1.00	QUARTZO	0.72 PPM
T	T-237	0.00	DF-2814	715829.00	7184482.50	49.50	1.00	QUARTZO	3.60 PPM
T	T-237	0.00	DF-2815	715830.00	7184482.50	50.00	1.00	QUARTZO	2.80 PPM
T	T-237	0.00	DF-2816	715831.00	7184482.50	50.00	1.00	QUARTZO	3.48 PPM
T	T-250	0.00	FINAL	715841.00	7184495.40	55.00	0.00		- PPM
T	T-250	0.00	DF-2796	715840.00	7184495.40	54.00	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2797	715839.00	7184495.40	53.00	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2798	715838.00	7184495.40	52.00	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2799	715837.00	7184495.40	51.50	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2800	715836.00	7184495.40	50.50	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2801	715835.00	7184495.40	49.50	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2802	715834.00	7184495.40	48.50	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2803	715833.00	7184495.40	47.50	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2804	715832.00	7184495.40	46.50	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2805	715831.00	7184495.40	45.50	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2806	715830.00	7184495.40	45.00	1.00	GNAISSE	0.05 PPM
T	T-250	0.00	DF-2807	715829.00	7184495.40	44.00	1.00	QUARTZO	7.38 PPM
T	T-250	0.00	DF-2808	715828.00	7184495.40	43.00	1.00	QUARTZO	5.44 PPM
T	T-250	0.00	DF-2809	715827.00	7184495.40	42.50	1.00	QUARTZO	0.50 PPM
T	T-263	0.00	FINAL	715826.00	7184508.00	48.50	0.00		- PPM
T	T-263	0.00	DF-2810	715824.00	7184508.00	47.50	1.00	QUARTZO	1.06 PPM
T	T-263	0.00	DF-2811	715825.00	7184508.00	48.00	1.00	QUARTZO	3.40 PPM
T	T-275	0.00	FINAL	715826.90	7184520.00	47.80	0.00		- PPM
T	T-275	0.00	DF-3446	715826.00	7184520.00	47.80	0.90	GNAISSE	0.05 PPM
T	T-275	0.00	DF-3447	715825.10	7184520.00	47.80	0.90	GNAISSE	0.05 PPM
T	T-275	0.00	DF-3448	715824.80	7184520.00	47.80	0.30	GNAISSE	1.97 PPM
T	T-275	0.00	DF-3449	715823.65	7184520.00	48.00	1.15	GNAISSE	0.15 PPM
T	T-275	0.00	DF-3450	715822.20	7184520.00	49.00	1.45	GNAISSE	0.17 PPM
T	T-275	0.00	DF-3451	715821.40	7184520.00	49.60	0.80	QUARTZO	0.43 PPM
T	T-275	0.00	DF-3452	715820.00	7184520.00	51.50	1.40	QUARTZO	2.36 PPM
T	T-275	0.00	DF-3453	715819.00	7184520.00	51.70	1.00	QUARTZO	7.07 PPM
T	T-275	0.00	DF-3454	715818.00	7184520.00	51.80	1.00	QUARTZO	1.80 PPM
T	T-275	0.00	DF-3455	715817.00	7184520.00	51.80	1.00	QUARTZO	2.98 PPM
T	T-275	0.00	DF-3456	715816.00	7184520.00	51.00	1.00	QUARTZO	2.89 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-275	0.00	DF-3457	715815.30	7184520.00	50.80	0.70	QUARTZO	6.76 PPM
T	T-275	0.00	DF-3458	715814.00	7184520.00	47.80	1.30	GNAISSE	0.64 PPM
T	T-275	0.00	DF-3459	715813.00	7184520.00	47.80	1.00	GNAISSE	0.19 PPM
T	T-275	0.00	DF-3460	715812.00	7184520.00	47.80	1.00	GNAISSE	0.18 PPM
T	T-275	0.00	DF-3461	715811.00	7184520.00	47.80	1.00	GNAISSE	0.12 PPM
T	T-275	0.00	DF-3462	715810.20	7184520.00	47.80	0.80	GNAISSE	0.10 PPM
T	T-300	0.00	FINAL	715838.00	7184545.00	41.50	0.00		- PPM
T	T-300	0.00	DF-3589	715837.00	7184545.00	41.50	1.00	QUARTZO	0.14 PPM
T	T-300	0.00	DF-3590	715836.00	7184545.00	41.50	1.00	QUARTZO	0.54 PPM
T	T-300	0.00	DF-3591	715835.00	7184545.00	41.50	1.00	QUARTZO	0.17 PPM
T	T-300	0.00	DF-3592	715834.00	7184545.00	41.50	1.00	QUARTZO	0.05 PPM
T	T-300	0.00	DF-3593	715833.00	7184545.00	41.50	1.00	QUARTZO	0.05 PPM
T	T-300	0.00	DF-3594	715832.00	7184545.00	41.50	1.00	QUARTZO	0.17 PPM
T	T-300	0.00	DF-3595	715831.00	7184545.00	41.50	1.00	GNAISSE	0.37 PPM
T	T-300	0.00	DF-3596	715830.00	7184545.00	41.50	0.90	GNAISSE	0.34 PPM
T	T-300	0.00	DF-3597	715829.00	7184545.00	42.00	1.10	QUARTZO	0.05 PPM
T	T-300	0.00	DF-3598	715828.00	7184545.00	41.70	1.00	QUARTZO	0.96 PPM
T	T-300	0.00	DF-3599	715827.20	7184545.00	41.50	0.80	QUARTZO	0.17 PPM
T	T-300	0.00	DF-3600	715826.00	7184545.00	40.50	1.20	GNAISSE	0.92 PPM
T	T-300	0.00	DF-3601	715824.65	7184545.00	40.00	0.65	GNAISSE	1.95 PPM
T	T-300	0.00	DF-3602	715824.00	7184545.00	40.50	0.65	GNAISSE	0.28 PPM
T	T-300	0.00	DF-3603	715823.00	7184545.00	40.00	1.00	GNAISSE	0.05 PPM
T	T-300	0.00	DF-3604	715822.00	7184545.00	40.50	1.00	GNAISSE	0.36 PPM
T	T-300	0.00	DF-3605	715821.00	7184545.00	40.00	1.00	GNAISSE	0.05 PPM
T	T-300	0.00	DF-3606	715820.00	7184545.00	40.50	1.00	GNAISSE	0.05 PPM
T	T-300	0.00	DF-3607	715819.00	7184545.00	40.50	1.00	GNAISSE	0.51 PPM
T	T-300	0.00	DF-3608	715818.00	7184545.00	40.00	1.00	GNAISSE	0.96 PPM
T	T-325	0.00	FINAL	715824.75	7184570.00	39.50	0.00		- PPM
T	T-325	0.00	DF-3609	715824.00	7184570.00	39.50	0.75	GNAISSE	0.17 PPM
T	T-325	0.00	DF-3610	715823.00	7184570.00	39.50	1.00	GNAISSE	0.05 PPM
T	T-325	0.00	DF-3611	715822.20	7184570.00	39.50	0.80	GNAISSE	0.05 PPM
T	T-325	0.00	DF-3612	715819.00	7184570.00	40.20	1.30	GNAISSE	0.93 PPM
T	T-325	0.00	DF-3613	715818.00	7184570.00	40.20	1.00	GNAISSE	0.56 PPM
T	T-325	0.00	DF-3614	715817.20	7184570.00	40.20	1.20	GNAISSE	1.51 PPM
T	T-325	0.00	DF-3615	715816.00	7184570.00	40.20	0.80	QUARTZO	0.12 PPM
T	T-325	0.00	DF-3616	715815.00	7184570.00	40.50	1.00	QUARTZO	0.05 PPM
T	T-325	0.00	DF-3617	715814.10	7184570.00	40.20	0.90	QUARTZO	0.15 PPM
T	T-325	0.00	DF-3618	715813.00	7184570.00	39.70	0.80	QUARTZO	0.35 PPM
T	T-325	0.00	DF-3619	715812.00	7184570.00	39.30	1.00	QUARTZO	0.51 PPM
T	T-325	0.00	DF-3620	715812.50	7184570.00	38.50	0.20	QUARTZO	8.51 PPM
T	T-325	0.00	DF-3621	715811.50	7184570.00	38.00	0.50	QUARTZO	1.16 PPM
T	T-325	0.00	DF-3622	715810.70	7184570.00	37.50	0.80	GNAISSE	0.27 PPM
T	T-325	0.00	DF-3809	715820.30	7184570.00	39.50	1.90	GNAISSE	- PPM
T	T-325	0.00	DF-3810	715813.80	7184570.00	40.00	0.30	QUARTZO	- PPM
T	T-348	0.00	FINAL	715822.00	7184593.00	35.40	0.00		- PPM
T	T-348	0.00	DF-3578	715821.00	7184593.00	35.50	1.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-348	0.00	DF-3579	715820.00	7184593.00	35.60	1.00	GNAISSE	0.05 PPM
T	T-348	0.00	DF-3580	715819.00	7184593.00	35.80	1.00	GNAISSE	0.05 PPM
T	T-348	0.00	DF-3581	715818.30	7184593.00	35.90	0.70	GNAISSE	1.16 PPM
T	T-348	0.00	DF-3582	715817.00	7184593.00	36.00	1.30	QUARTZO	0.05 PPM
T	T-348	0.00	DF-3583	715816.00	7184593.00	36.40	1.00	QUARTZO	0.21 PPM
T	T-348	0.00	DF-3584	715815.00	7184593.00	36.40	1.00	QUARTZO	0.05 PPM
T	T-348	0.00	DF-3585	715813.75	7184593.00	37.20	1.25	QUARTZO	0.05 PPM
T	T-348	0.00	DF-3586	715813.00	7184593.00	35.50	0.75	GNAISSE	0.39 PPM
T	T-348	0.00	DF-3587	715811.75	7184593.00	35.00	1.25	GNAISSE	0.26 PPM
T	T-348	0.00	DF-3588	715811.00	7184593.00	35.00	0.75	QUARTZO	3.33 PPM
T	T-400	0.00	FINAL	715815.20	7184645.00	30.90	0.00		- PPM
T	T-400	0.00	DF-3623	715814.40	7184645.00	30.90	0.80	GNAISSE	0.33 PPM
T	T-400	0.00	DF-3624	715814.30	7184645.00	30.90	0.10	GNAISSE	0.44 PPM
T	T-400	0.00	DF-3625	715813.50	7184645.00	30.80	0.65	GNAISSE	0.05 PPM
T	T-400	0.00	DF-3626	715813.30	7184645.00	30.50	1.20	GNAISSE	0.72 PPM
T	T-400	0.00	DF-3627	715812.70	7184645.00	30.30	0.60	GNAISSE	0.28 PPM
T	T-400	0.00	DF-3628	715812.00	7184645.00	30.00	0.70	GNAISSE	0.10 PPM
T	T-400	0.00	DF-3629	715811.30	7184645.00	30.00	0.70	GNAISSE	0.10 PPM
T	T-400	0.00	DF-3630	715811.49	7184645.00	29.50	0.03	GNAISSE	0.35 PPM
T	T-400	0.00	DF-3631	715810.70	7184645.00	29.50	0.60	GNAISSE	4.25 PPM
T	T-400	0.00	DF-3632	715810.00	7184645.00	29.50	0.70	GNAISSE	2.53 PPM
T	T-400	0.00	DF-3633	715809.85	7184645.00	29.50	0.15	GNAISSE	5.43 PPM
T	T-400	0.00	DF-3634	715808.80	7184645.00	29.50	0.05	GNAISSE	1.32 PPM
T	T-400	0.00	DF-3635	715808.10	7184645.00	29.00	0.60	GNAISSE	8.13 PPM
T	T-400	0.00	DF-3636	715807.70	7184645.00	29.00	0.40	GNAISSE	29.17 PPM
T	T-400	0.00	DF-3637	715806.50	7184645.00	29.00	0.95	GNAISSE	0.18 PPM
T	T-400	0.00	DF-3638	715805.50	7184645.00	29.00	1.00	GNAISSE	0.05 PPM
T	T-400	0.00	DF-3639	715804.85	7184645.00	29.00	0.10	ANFIBOL	0.05 PPM
T	T-400	0.00	DF-3640	715804.55	7184645.00	29.00	0.40	ANFIBOL	0.05 PPM
T	T-400	0.00	DF-3641	715803.80	7184645.00	29.00	0.70	ANFIBOL	0.05 PPM
T	T-400	0.00	DF-3642	715803.00	7184645.00	29.50	0.80	ANFIBOL	0.05 PPM
T	T-400	0.00	DF-3643	715802.00	7184645.00	29.60	0.70	ANFIBOL	0.05 PPM
T	T-400	0.00	DF-3811	715814.15	7184645.00	38.80	0.15	GNAISSE	- PPM
T	T-400	0.00	DF-3812	715808.70	7184645.00	29.00	0.10	GNAISSE	- PPM
T	T-400	0.00	DF-3813	715807.45	7184645.00	29.00	0.25	GNAISSE	- PPM
T	T-400	0.00	DF-3814	715804.95	7184645.00	29.00	0.55	GNAISSE	- PPM
T	T-400	0.00	DF-3815	715804.50	7184645.00	29.00	0.05	ANFIBOL	- PPM
T	T-400	0.00	DF-3816	715802.70	7184645.00	29.50	0.30	ANFIBOL	- PPM
T	T-600	0.00	FINAL	715794.00	7184845.00	48.30	0.00		- PPM
T	T-600	0.00	DF-3644	715793.00	7184845.00	48.30	1.00	ANFIBOL	0.05 PPM
T	T-600	0.00	DF-3645	715792.00	7184845.00	48.30	1.00	ANFIBOL	0.05 PPM
T	T-600	0.00	DF-3646	715791.00	7184845.00	48.30	1.00	ANFIBOL	0.05 PPM
T	T-600	0.00	DF-3647	715790.00	7184845.00	48.30	1.00	ANFIBOL	0.05 PPM
T	T-600	0.00	DF-3648	715789.00	7184845.00	50.50	1.00	QUARTZO	0.05 PPM
T	T-600	0.00	DF-3649	715788.00	7184845.00	50.00	1.00	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3650	715787.00	7184845.00	49.00	1.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-600	0.00	DF-3651	715786.20	7184845.00	48.50	0.80	GNAISSE	0.17 PPM
T	T-600	0.00	DF-3652	715785.60	7184845.00	48.50	0.60	GNAISSE	0.20 PPM
T	T-600	0.00	DF-3653	715785.00	7184845.00	48.50	0.60	GNAISSE	0.23 PPM
T	T-600	0.00	DF-3654	715784.00	7184845.00	48.50	1.00	GNAISSE	0.34 PPM
T	T-600	0.00	DF-3655	715783.00	7184845.00	48.50	1.00	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3656	715782.40	7184845.00	48.50	0.60	GNAISSE	0.26 PPM
T	T-600	0.00	DF-3657	715782.20	7184845.00	48.00	0.20	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3658	715781.00	7184845.00	48.00	1.20	GNAISSE	0.34 PPM
T	T-600	0.00	DF-3659	715780.00	7184845.00	48.00	1.00	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3660	715779.00	7184845.00	48.00	1.00	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3661	715778.00	7184845.00	48.00	1.00	GNAISSE	0.18 PPM
T	T-600	0.00	DF-3662	715777.00	7184845.00	48.00	1.00	GNAISSE	0.16 PPM
T	T-600	0.00	DF-3664	715776.00	7184845.00	48.00	1.00	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3665	715775.00	7184845.00	48.00	1.00	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3666	715774.00	7184845.00	48.00	1.00	GNAISSE	0.05 PPM
T	T-600	0.00	DF-3667	715773.00	7184845.00	48.00	1.00	GNAISSE	0.05 PPM
T	T-650	0.00	FINAL	715778.00	7184895.00	59.80	0.00		- PPM
T	T-650	0.00	DF-3668	715778.00	7184895.00	60.00	1.00	GNAISSE	4.14 PPM
T	T-650	0.00	DF-3669	715777.00	7184895.00	60.20	1.00	GNAISSE	0.52 PPM
T	T-650	0.00	DF-3670	715776.00	7184895.00	60.50	1.00	GNAISSE	1.28 PPM
T	T-650	0.00	DF-3671	715775.00	7184895.00	60.70	1.00	GNAISSE	0.05 PPM
T	1-650	0.00	DF-3672	715774.00	7184895.00	61.00	1.00	GNAISSE	0.05 PPM
T	T-650	0.00	DF-3673	715773.00	7184895.00	61.20	1.00	GNAISSE	0.46 PPM
T	T-650	0.00	DF-3674	715770.00	7184895.00	61.80	1.00	GNAISSE	0.76 PPM
T	T-650	0.00	DF-3675	715769.00	7184895.00	62.00	1.00	GNAISSE	1.81 PPM
T	T-650	0.00	DF-3676	715768.50	7184895.00	62.20	0.50	GNAISSE	0.34 PPM
T	T-650	0.00	DF-3677	715767.50	7184895.00	62.40	1.00	GNAISSE	0.18 PPM
T	T-650	0.00	DF-3678	715767.00	7184895.00	62.40	0.50	GNAISSE	0.54 PPM
T	T-650	0.00	DF-3679	715766.00	7184895.00	62.50	1.00	GNAISSE	0.22 PPM
T	T-650	0.00	DF-3680	715765.30	7184895.00	62.70	0.70	QUARTZO	0.92 PPM
T	T-650	0.00	DF-3681	715763.00	7184895.00	64.30	1.00	QUARTZO	0.05 PPM
T	T-650	0.00	DF-3682	715762.00	7184895.00	64.30	1.00	QUARTZO	0.05 PPM
T	T-650	0.00	DF-3683	715761.20	7184895.00	63.60	0.80	QUARTZO	0.05 PPM
T	T-650	0.00	DF-3684	715760.00	7184895.00	63.50	1.00	QUARTZO	0.16 PPM
T	T-650	0.00	DF-3685	715759.00	7184895.00	63.00	1.00	QUARTZO	0.11 PPM
T	T-650	0.00	DF-3686	715758.60	7184895.00	62.50	0.40	QUARTZO	1.73 PPM
T	T-650	0.00	DF-3687	715757.50	7184895.00	61.00	1.10	GNAISSE	0.24 PPM
T	T-650	0.00	DF-3688	715756.50	7184895.00	60.80	1.00	GNAISSE	0.16 PPM
T	T-650	0.00	DF-3689	715755.50	7184895.00	60.70	1.00	GNAISSE	0.24 PPM
T	T-650	0.00	DF-3690	715754.50	7184895.00	60.50	1.00	GNAISSE	0.18 PPM
T	T-650	0.00	DF-3691	715753.60	7184895.00	60.20	0.90	GNAISSE	0.65 PPM
T	T-650	0.00	DF-3692	715753.50	7184895.00	60.00	0.10	GNAISSE	0.52 PPM
T	T-650	0.00	DF-3693	715752.30	7184895.00	59.70	1.20	GNAISSE	0.05 PPM
T	T-650	0.00	DF-3694	715752.20	7184895.00	59.50	1.10	GNAISSE	1.19 PPM
T	T-650	0.00	DF-3695	715751.00	7184895.00	59.50	1.10	GNAISSE	0.28 PPM
T	T-650	0.00	DF-3817	715771.00	7184895.00	61.60	2.00	GNAISSE	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-650	0.00	DF-3818	715764.00	7184895.00	63.00	1.30	QUARTZO	- PPM
T	T-650	0.00	DF-3819	715761.00	7184895.00	63.50	0.20	QUARTZO	- PPM
T	T-700	0.00	FINAL	715718.00	7184945.00	63.00	0.00		- PPM
T	T-700	0.00	DF-3723	715717.00	7184945.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3724	715716.00	7184945.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3725	715715.00	7184945.00	63.50	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3726	715714.00	7184945.00	63.50	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3727	715713.00	7184945.00	63.50	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3728	715712.00	7184945.00	63.50	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3729	715711.00	7184945.00	63.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3730	715710.00	7184945.00	63.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3731	715709.00	7184945.00	63.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3732	715708.00	7184945.00	63.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3733	715707.00	7184945.00	63.70	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3734	715706.00	7184945.00	64.00	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3735	715705.00	7184945.00	64.30	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3736	715704.00	7184945.00	64.80	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3737	715703.00	7184945.00	66.00	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3738	715702.00	7184945.00	65.50	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3739	715701.00	7184945.00	64.00	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3740	715700.00	7184945.00	64.00	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3741	715699.00	7184945.00	64.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3742	715698.00	7184945.00	64.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3743	715697.00	7184945.00	64.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3744	715696.00	7184945.00	64.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3745	715695.00	7184945.00	64.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3746	715694.00	7184945.00	64.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3747	715693.00	7184945.00	64.50	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3748	715692.00	7184945.00	64.20	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3749	715691.00	7184945.00	64.10	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3750	715690.00	7184945.00	63.60	1.00	GNAISSE	0.05 PPM
T	T-700	0.00	DF-3751	715689.00	7184945.00	63.50	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	FINAL	715757.00	7184946.00	59.60	0.00		- PPM
T	T-701	0.00	DF-3696	715756.00	7184946.00	59.80	1.00	GNAISSE	0.21 PPM
T	T-701	0.00	DF-3697	715755.00	7184946.00	60.00	1.00	GNAISSE	0.48 PPM
T	T-701	0.00	DF-3698	715754.00	7184946.00	60.00	1.00	GNAISSE	0.56 PPM
T	T-701	0.00	DF-3699	715753.00	7184946.00	60.50	1.00	GNAISSE	0.37 PPM
T	T-701	0.00	DF-3700	715752.40	7184946.00	61.00	0.60	GNAISSE	1.61 PPM
T	T-701	0.00	DF-3701	715751.00	7184946.00	62.50	1.40	GNAISSE	1.50 PPM
T	T-701	0.00	DF-3702	715750.00	7184946.00	61.50	1.00	GNAISSE	0.89 PPM
T	T-701	0.00	DF-3703	715749.00	7184946.00	61.50	1.00	GNAISSE	1.01 PPM
T	T-701	0.00	DF-3704	715748.00	7184946.00	61.50	1.00	GNAISSE	0.28 PPM
T	T-701	0.00	DF-3705	715747.00	7184946.00	61.80	1.00	GNAISSE	0.40 PPM
T	T-701	0.00	DF-3706	715746.00	7184946.00	62.00	1.00	GNAISSE	0.43 PPM
T	T-701	0.00	DF-3707	715745.00	7184946.00	62.50	1.00	GNAISSE	0.17 PPM
T	T-701	0.00	DF-3708	715744.00	7184946.00	62.80	1.00	GNAISSE	0.14 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-701	0.00	DF-3709	715743.00	7184946.00	62.80	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3710	715742.00	7184946.00	62.90	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3711	715741.00	7184946.00	63.00	1.00	GNAISSE	0.17 PPM
T	T-701	0.00	DF-3712	715740.00	7184946.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3713	715739.00	7184946.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3714	715738.00	7184946.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3715	715737.00	7184946.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3716	715736.00	7184946.00	63.00	1.00	GNAISSE	0.33 PPM
T	T-701	0.00	DF-3717	715735.00	7184946.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3718	715734.00	7184946.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3720	715732.00	7184946.00	63.00	1.00	GNAISSE	0.28 PPM
T	T-701	0.00	DF-3721	715731.00	7184946.00	63.00	1.00	GNAISSE	0.05 PPM
T	T-701	0.00	DF-3722	715730.40	7184946.00	63.00	0.60	GNAISSE	0.05 PPM
T	T-701	0.00	UF-3719	715733.00	7184946.00	63.00	1.00	GNAISSE	0.31 PPM
T	T-750	0.00	FINAL	715729.00	7184995.00	61.00	0.00		- PPM
T	T-750	0.00	DF-3752	715728.00	7184995.00	61.00	1.00	GNAISSE	4.81 PPM
T	T-750	0.00	DF-3753	715727.00	7184995.00	61.00	1.00	GNAISSE	0.80 PPM
T	T-750	0.00	DF-3754	715726.00	7184995.00	61.50	1.00	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3755	715725.00	7184995.00	61.80	1.00	GNAISSE	0.34 PPM
T	T-750	0.00	DF-3756	715724.00	7184995.00	62.00	1.00	GNAISSE	0.20 PPM
T	T-750	0.00	DF-3757	715723.00	7184995.00	62.50	1.00	GNAISSE	0.18 PPM
T	T-750	0.00	DF-3758	715722.20	7184995.00	63.00	0.80	GNAISSE	0.17 PPM
T	T-750	0.00	DF-3759	715721.60	7184995.00	63.50	0.60	GNAISSE	0.45 PPM
T	T-750	0.00	DF-3760	715721.00	7184995.00	63.50	0.60	GNAISSE	0.81 PPM
T	T-750	0.00	DF-3761	715720.00	7184995.00	64.50	1.00	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3762	715719.00	7184995.00	65.00	1.00	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3763	715718.00	7184995.00	65.50	1.00	GNAISSE	0.21 PPM
T	T-750	0.00	DF-3764	715717.00	7184995.00	66.00	1.00	GNAISSE	0.47 PPM
T	T-750	0.00	DF-3765	715716.00	7184995.00	66.50	1.00	GNAISSE	0.16 PPM
T	T-750	0.00	DF-3766	715715.00	7184995.00	66.50	1.00	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3767	715714.50	7184995.00	67.50	0.50	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3768	715714.00	7184995.00	68.00	0.50	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3769	715713.00	7184995.00	69.00	1.00	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3770	715711.70	7184995.00	69.50	1.30	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3771	715711.00	7184995.00	69.00	0.70	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3772	715710.00	7184995.00	69.00	1.00	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3773	715709.00	7184995.00	69.00	1.00	GNAISSE	0.20 PPM
T	T-750	0.00	DF-3774	715708.00	7184995.00	69.00	1.00	GNAISSE	0.05 PPM
T	T-750	0.00	DF-3775	715707.10	7184995.00	69.00	0.90	GNAISSE	0.47 PPM
T	T-750	0.00	DF-3776	715706.70	7184995.00	69.00	0.40	GNAISSE	0.05 PPM
T	T-800	0.00	FINAL	715680.00	7185045.00	70.80	0.00		- PPM
T	T-800	0.00	DF-3777	715679.00	7185045.00	70.80	1.00	QUARTZO	0.05 PPM
T	T-800	0.00	DF-3778	715678.00	7185045.00	70.80	1.00	QUARTZO	0.05 PPM
T	T-800	0.00	DF-3779	715677.00	7185045.00	70.80	1.00	QUARTZO	0.05 PPM
T	T-800	0.00	DF-3780	715676.00	7185045.00	72.00	1.00	QUARTZO	0.05 PPM
T	T-800	0.00	DF-3781	715675.00	7185045.00	74.00	1.00	QUARTZO	0.05 PPM

MINERAIS DO PARANA S.A.

RELATORIO POR ELEMENTO ANALISADO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Tipo	Identificacao	Comprimento	Ident de Campo	UTMLeste	UTMNorte	Cota	Suporte	Geologia	OURO
T	T-800	0.00	DF-3782	715674.00	7185045.00	74.50	1.00	QUARTZO	0.20 PPM
T	T-800	0.00	DF-3783	715673.00	7185045.00	74.60	1.00	GNAISSE	0.21 PPM
T	T-800	0.00	DF-3784	715672.00	7185045.00	74.80	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3785	715671.00	7185045.00	75.00	1.00	GNAISSE	0.21 PPM
T	T-800	0.00	DF-3786	715670.00	7185045.00	77.60	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3787	715669.00	7185045.00	77.60	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3788	715668.00	7185045.00	78.00	1.00	GNAISSE	0.14 PPM
T	T-800	0.00	DF-3789	715667.00	7185045.00	78.30	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3790	715666.00	7185045.00	76.50	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3791	715665.00	7185045.00	75.60	1.00	GNAISSE	0.43 PPM
T	T-800	0.00	DF-3792	715664.00	7185045.00	75.60	1.00	GNAISSE	0.21 PPM
T	T-800	0.00	DF-3793	715663.00	7185045.00	75.60	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3794	715662.00	7185045.00	75.60	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3795	715661.00	7185045.00	75.00	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3796	715660.00	7185045.00	75.00	1.00	GNAISSE	0.21 PPM
T	T-800	0.00	DF-3797	715659.00	7185045.00	75.00	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3798	715658.00	7185045.00	75.00	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3799	715657.00	7185045.00	75.00	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3800	715656.00	7185045.00	75.00	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3801	715655.00	7185045.00	75.00	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3802	715654.00	7185045.00	75.00	1.00	GNAISSE	0.05 PPM
T	T-800	0.00	DF-3803	715653.10	7185045.00	75.00	0.90	GNAISSE	0.05 PPM

ANEXO III. RELATÓRIO DOS PONTOS TOPOGRÁFICOS PARA O MODELO DIGITAL DO TERRENO.

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
61	715755.00	7185079.25	45.00
67	715767.49	7185032.70	45.00
73	715790.50	7184993.04	45.00
79	715811.70	7184957.86	45.00
85	715819.52	7184933.33	45.00
91	715825.87	7184958.22	45.00
97	715813.92	7184979.50	45.00
103	715826.43	7184989.67	45.00
109	715836.70	7184998.22	45.00
115	715830.52	7185024.81	45.00
121	715823.17	7185033.05	45.00
127	715811.70	7185064.08	45.00
157	715727.22	7185072.72	50.00
163	715759.41	7185008.23	50.00
169	715778.52	7184977.98	50.00
175	715789.66	7184945.00	50.00
181	715822.85	7184899.30	50.00
187	715807.05	7184844.03	50.00
193	715739.64	7184840.89	50.00
199	715753.77	7184857.02	55.00
205	715796.99	7184868.89	55.00
211	715788.67	7184911.40	55.00
217	715772.52	7184953.15	55.00
223	715738.17	7185012.77	55.00
229	715719.43	7185046.52	55.00
235	715702.73	7185072.10	55.00
253	715602.11	7185084.76	55.00
259	715622.37	7185090.06	60.00
271	715699.78	7185055.07	60.00
277	715741.09	7184986.57	60.00
283	715764.24	7184936.44	60.00
289	715786.72	7184893.59	60.00
295	715761.12	7184878.46	60.00
301	715730.53	7184910.20	60.00
307	715667.20	7184913.82	60.00
313	715651.88	7184940.37	65.00
319	715673.75	7184931.84	65.00
325	715698.63	7184928.12	65.00
331	715722.79	7184935.75	65.00
337	715742.90	7184949.03	65.00
343	715735.00	7184973.78	65.00
349	715724.55	7184997.50	65.00
355	715712.77	7185019.98	65.00
361	715698.27	7185041.25	65.00
367	715687.80	7185064.33	65.00
373	715678.08	7185086.69	65.00
379	715654.51	7185094.96	65.00
385	715631.29	7185087.57	65.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
391	715616.78	7185067.31	65.00
397	715640.14	7185083.55	70.00
403	715663.75	7185082.63	70.00
409	715679.09	7185064.32	70.00
415	715686.94	7185040.65	70.00
421	715702.66	7185020.77	70.00
427	715715.64	7184999.45	70.00
433	715718.67	7184975.02	70.00
439	715699.18	7184963.34	70.00
445	715674.86	7184965.64	70.00
451	715650.20	7184971.22	70.00
457	715663.25	7185002.94	75.00
463	715685.42	7184992.49	75.00
469	715693.75	7185012.82	75.00
475	715679.95	7185034.18	75.00
481	715672.49	7185058.24	75.00
487	715656.71	7185076.27	75.00
493	715638.50	7185068.88	75.00
499	715916.12	7184724.53	60.00
505	715930.54	7184708.95	60.00
511	715915.60	7184709.57	55.00
517	715903.05	7184728.61	55.00
523	715898.62	7184744.29	50.00
529	715888.43	7184721.84	50.00
535	715904.76	7184703.18	50.00
541	715925.54	7184688.69	50.00
547	715833.34	7184795.31	50.00
553	715845.92	7184791.52	50.00
559	715837.30	7184814.78	50.00
565	715818.49	7184823.07	50.00
571	715748.15	7184812.06	45.00
577	715773.27	7184811.99	45.00
583	715795.51	7184804.04	45.00
589	715809.44	7184785.91	45.00
595	715830.04	7184772.73	45.00
601	715850.11	7184757.77	45.00
607	715871.05	7184744.48	45.00
613	715876.87	7184720.61	45.00
619	715884.57	7184697.00	45.00
625	715905.55	7184684.88	45.00
631	715922.79	7184675.54	45.00
637	715904.01	7184660.04	45.00
643	715890.67	7184638.83	45.00
649	715888.27	7184614.05	45.00
655	715746.48	7184789.74	40.00
661	715771.53	7184786.99	40.00
667	715795.15	7184782.32	40.00
673	715813.74	7184764.01	40.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: KORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
679	715835.59	7184748.96	40.00
685	715856.79	7184733.92	40.00
691	715861.70	7184711.46	40.00
697	715853.50	7184694.55	40.00
703	715872.98	7184679.88	40.00
709	715877.54	7184669.03	40.00
715	715867.85	7184645.84	40.00
721	715877.58	7184621.65	40.00
727	715870.27	7184600.69	40.00
733	715777.25	7184726.97	35.00
739	715787.23	7184748.38	35.00
745	715812.24	7184747.29	35.00
751	715830.39	7184729.56	35.00
757	715851.18	7184716.07	35.00
763	715842.37	7184711.42	35.00
769	715824.46	7184697.51	35.00
775	715820.67	7184672.35	35.00
781	715822.65	7184646.98	35.00
787	715838.47	7184632.93	35.00
793	715829.51	7184613.81	35.00
799	715817.69	7184603.00	35.00
829	715811.68	7185089.47	50.00
835	715829.55	7185081.81	50.00
841	715843.86	7185069.03	50.00
847	715862.21	7185069.37	50.00
853	715873.76	7185058.19	50.00
859	715858.59	7185085.29	55.00
907	715929.56	7184652.74	50.00
913	715913.77	7184640.00	50.00
919	715905.43	7184622.76	50.00
925	715908.61	7184602.74	50.00
931	715924.63	7184625.20	55.00
937	715922.21	7184606.74	55.00
943	715756.18	7184598.99	30.00
949	715772.47	7184598.44	30.00
955	715765.65	7184593.69	30.00
961	715869.19	7184596.20	40.00
967	715871.64	7184580.13	40.00
973	715868.08	7184565.59	40.00
979	715850.36	7184559.22	40.00
985	715839.63	7184571.24	40.00
991	715825.07	7184583.96	40.00
997	715811.44	7184578.70	40.00
1003	715802.51	7184562.97	40.00
1009	715795.49	7184545.92	40.00
1015	715781.81	7184531.89	40.00
1021	715788.45	7184516.71	40.00
1027	715804.80	7184505.76	40.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
1033	715816.21	7184491.76	40.00
1039	715820.56	7184473.01	40.00
1045	715826.39	7184454.49	40.00
1051	715831.40	7184435.99	40.00
1057	715832.24	7184416.35	40.00
1063	715830.95	7184397.31	40.00
1069	715832.29	7184378.58	40.00
1075	715830.33	7184360.23	40.00
1081	715830.56	7184341.35	40.00
1087	715833.86	7184322.21	40.00
1093	715839.02	7184303.80	40.00
1099	715845.19	7184286.08	40.00
1105	715863.94	7184285.02	40.00
1111	715884.34	7184287.28	40.00
1117	715903.32	7184287.40	40.00
1123	715920.28	7184293.27	40.00
1129	715925.62	7184311.13	40.00
1135	715924.53	7184332.02	40.00
1141	715925.78	7184349.85	40.00
1147	715923.91	7184243.99	35.00
1153	715908.18	7184256.41	35.00
1159	715891.85	7184267.45	35.00
1165	715872.00	7184269.07	35.00
1171	715853.84	7184264.03	35.00
1177	715836.06	7184267.93	35.00
1183	715821.00	7184270.45	35.00
1189	715826.36	7184283.48	35.00
1195	715831.36	7184301.04	35.00
1201	715822.83	7184319.50	35.00
1207	715820.20	7184338.38	35.00
1213	715819.60	7184357.78	35.00
1219	715819.18	7184378.72	35.00
1225	715817.65	7184398.97	35.00
1231	715821.71	7184417.51	35.00
1237	715818.83	7184435.42	35.00
1243	715812.47	7184453.75	35.00
1249	715808.23	7184472.75	35.00
1255	715798.23	7184489.57	35.00
1261	715786.17	7184502.18	35.00
1267	715775.23	7184513.56	35.00
1273	715772.58	7184541.22	35.00
1279	715781.35	7184557.53	35.00
1285	715791.60	7184574.27	35.00
1291	715802.11	7184590.76	35.00
1297	715892.56	7184595.79	45.00
1303	715890.24	7184580.11	45.00
1309	715885.17	7184561.29	45.00
1315	715879.05	7184544.07	45.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
1321	715869.97	7184534.85	45.00
1327	715850.87	7184538.33	45.00
1333	715832.57	7184542.15	45.00
1339	715816.98	7184547.25	45.00
1345	715800.94	7184535.52	45.00
1351	715797.73	7184519.92	45.00
1357	715815.84	7184511.66	45.00
1363	715824.51	7184495.37	45.00
1369	715827.44	7184476.05	45.00
1375	715833.65	7184457.49	45.00
1381	715838.22	7184438.40	45.00
1387	715840.38	7184418.91	45.00
1393	715837.63	7184400.38	45.00
1399	715837.93	7184381.30	45.00
1405	715837.50	7184362.73	45.00
1411	715840.54	7184344.13	45.00
1417	715845.21	7184325.54	45.00
1423	715853.45	7184308.84	45.00
1429	715870.84	7184302.18	45.00
1435	715889.14	7184308.67	45.00
1441	715905.75	7184319.47	45.00
1447	715911.59	7184338.44	45.00
1453	715917.88	7184356.23	45.00
1459	715928.33	7184372.37	45.00
1465	715907.17	7184585.53	50.00
1471	715904.55	7184566.60	50.00
1477	715900.61	7184547.39	50.00
1483	715889.91	7184531.34	50.00
1489	715875.02	7184525.70	50.00
1495	715856.26	7184524.77	50.00
1501	715837.27	7184525.35	50.00
1507	715819.99	7184533.11	50.00
1513	715809.29	7184523.57	50.00
1519	715825.82	7184513.58	50.00
1525	715832.63	7184496.14	50.00
1531	715834.80	7184476.34	50.00
1537	715840.04	7184457.65	50.00
1543	715844.27	7184439.33	50.00
1549	715847.52	7184420.12	50.00
1555	715844.57	7184401.83	50.00
1561	715842.79	7184383.09	50.00
1567	715844.49	7184364.02	50.00
1573	715848.20	7184345.85	50.00
1579	715857.35	7184329.06	50.00
1585	715873.95	7184322.71	50.00
1591	715888.76	7184335.20	50.00
1597	715900.80	7184350.14	50.00
1603	715909.63	7184366.91	50.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: KORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
1609	715919.06	7184383.98	50.00
1615	715924.60	7184401.65	50.00
1621	715919.26	7184420.19	50.00
1627	715912.38	7184438.60	50.00
1633	715908.32	7184457.04	50.00
1639	715906.98	7184476.55	50.00
1645	715900.96	7184495.62	50.00
1651	715898.41	7184504.69	50.00
1657	715910.42	7184488.44	50.00
1663	715924.27	7184473.78	50.00
1669	715921.21	7184587.66	55.00
1675	715919.92	7184568.14	55.00
1681	715915.81	7184548.86	55.00
1687	715907.33	7184531.88	55.00
1693	715908.51	7184512.83	55.00
1699	715918.46	7184495.81	55.00
1705	715929.86	7184482.57	55.00
1711	715805.57	7184348.64	30.00
1717	715805.48	7184329.30	30.00
1723	715811.42	7184311.56	30.00
1729	715817.06	7184294.20	30.00
1735	715816.41	7184275.41	30.00
1741	715823.09	7184257.03	30.00
1747	715840.08	7184247.68	30.00
1753	715856.13	7184242.96	30.00
1759	715780.54	7184490.21	30.00
1765	715789.06	7184473.60	30.00
1771	715788.98	7184453.67	30.00
1777	715792.40	7184434.88	30.00
1783	715795.98	7184415.25	30.00
1789	715799.63	7184396.13	30.00
1795	715873.55	7184444.85	65.00
1801	715881.36	7184427.51	65.00
1807	715878.30	7184409.59	65.00
1813	715868.83	7184417.23	65.00
1819	715868.38	7184437.48	65.00
1825	715861.04	7184455.13	65.00
1831	715851.62	7184471.42	65.00
1837	715862.12	7184479.82	65.00
1843	715871.37	7184466.54	65.00
1849	715926.90	7184449.13	45.00
1855	715927.10	7184435.51	45.00
1861	715927.19	7184541.39	60.00
1867	715921.11	7184523.26	60.00
1873	715926.21	7184505.57	60.00
1879	715888.98	7184443.68	60.00
1885	715894.04	7184423.88	60.00
1891	715893.30	7184404.56	60.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
1897	715886.30	7184386.12	60.00
1903	715871.81	7184374.07	60.00
1909	715861.56	7184388.63	60.00
1915	715859.59	7184407.38	60.00
1921	715858.72	7184426.97	60.00
1927	715857.43	7184446.81	60.00
1933	715849.06	7184464.65	60.00
1939	715845.02	7184483.29	60.00
1945	715850.38	7184500.41	60.00
1951	715869.41	7184495.06	60.00
1957	715882.53	7184479.50	60.00
1963	715886.86	7184461.00	60.00
1969	715902.02	7184439.65	55.00
1975	715905.23	7184419.94	55.00
1981	715907.43	7184399.78	55.00
1987	715899.62	7184381.96	55.00
1993	715890.37	7184364.98	55.00
1999	715875.79	7184350.96	55.00
2005	715860.35	7184347.32	55.00
2011	715856.42	7184365.83	55.00
2017	715852.87	7184384.85	55.00
2023	715852.03	7184401.86	55.00
2029	715854.74	7184420.24	55.00
2035	715851.56	7184439.29	55.00
2041	715844.51	7184459.91	55.00
2047	715840.50	7184478.50	55.00
2053	715838.73	7184497.09	55.00
2059	715848.58	7184511.59	55.00
2065	715868.24	7184513.70	55.00
2071	715882.31	7184500.65	55.00
2077	715891.99	7184483.44	55.00
2083	715897.45	7184465.12	55.00
2293	715771.55	7185086.68	41.00
2299	715776.42	7185070.71	41.00
2305	715780.33	7185073.02	41.00
2311	715779.02	7185084.18	41.00
2383	715767.55	7185088.52	42.00
2389	715774.62	7185065.08	42.00
2395	715769.75	7185045.62	42.00
2401	715784.99	7185039.35	42.00
2407	715793.16	7185032.40	42.00
2413	715783.21	7185046.09	42.00
2419	715788.01	7185054.41	42.00
2425	715787.68	7185068.72	42.00
2431	715792.05	7185081.40	42.00
2497	715748.95	7185090.97	43.00
2503	715764.96	7185081.33	43.00
2509	715768.42	7185066.88	43.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
2515	715767.73	7185043.35	43.00
2521	715782.76	7185025.32	43.00
2527	715784.79	7185006.32	43.00
2533	715795.32	7184995.64	43.00
2539	715789.99	7185008.72	43.00
2545	715798.73	7185026.51	43.00
2551	715802.70	7185019.35	43.00
2557	715802.93	7185028.95	43.00
2563	715784.76	7185046.25	43.00
2569	715787.08	7185053.31	43.00
2575	715799.07	7185038.19	43.00
2581	715797.33	7185053.15	43.00
2587	715806.71	7185046.84	43.00
2593	715799.94	7185063.87	43.00
2599	715792.05	7185084.92	43.00
2665	715754.86	7185084.32	44.00
2671	715763.81	7185065.99	44.00
2677	715766.65	7185042.03	44.00
2683	715779.64	7185020.28	44.00
2689	715787.41	7184997.98	44.00
2695	715799.85	7184979.44	44.00
2701	715804.31	7184982.68	44.00
2707	715805.64	7184999.02	44.00
2713	715821.01	7185011.35	44.00
2719	715825.44	7185025.78	44.00
2725	715815.46	7185046.04	44.00
2731	715809.28	7185062.71	44.00
2737	715795.56	7185081.49	44.00
2809	715733.68	7185088.39	46.00
2815	715748.48	7185076.25	46.00
2821	715758.14	7185062.20	46.00
2827	715762.41	7185043.67	46.00
2833	715767.53	7185025.56	46.00
2839	715775.20	7185007.42	46.00
2845	715783.80	7184991.36	46.00
2851	715794.15	7184975.37	46.00
2857	715806.56	7184962.66	46.00
2863	715806.06	7184944.08	46.00
2869	715816.76	7184929.11	46.00
2875	715821.14	7184911.43	46.00
2881	715831.72	7184896.38	46.00
2887	715829.31	7184909.12	46.00
2893	715826.22	7184926.02	46.00
2899	715837.35	7184941.94	46.00
2905	715855.15	7184947.72	46.00
2911	715850.50	7184957.37	46.00
2917	715831.69	7184963.34	46.00
2923	715838.27	7184973.14	46.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
2929	715856.46	7184976.28	46.00
2935	715858.50	7184985.47	46.00
2941	715842.25	7184995.29	46.00
2947	715830.29	7185011.56	46.00
2953	715839.57	7185024.14	46.00
2959	715848.07	7185035.93	46.00
2965	715830.68	7185033.23	46.00
2971	715823.29	7185050.10	46.00
2977	715815.70	7185067.51	46.00
2983	715801.20	7185079.86	46.00
3061	715725.46	7185091.97	47.00
3067	715739.43	7185077.69	47.00
3073	715754.15	7185064.79	47.00
3079	715758.11	7185045.43	47.00
3085	715763.53	7185027.28	47.00
3091	715769.47	7185009.66	47.00
3097	715775.70	7184992.14	47.00
3103	715789.18	7184978.25	47.00
3109	715797.82	7184961.66	47.00
3115	715801.63	7184944.97	47.00
3121	715808.70	7184926.99	47.00
3127	715819.32	7184911.37	47.00
3133	715829.14	7184894.23	47.00
3139	715832.27	7184875.72	47.00
3145	715828.04	7184857.72	47.00
3151	715836.19	7184844.24	47.00
3157	715848.88	7184834.18	47.00
3163	715849.00	7184814.62	47.00
3169	715860.66	7184799.66	47.00
3175	715870.86	7184783.78	47.00
3229	715726.77	7185085.08	48.00
3235	715741.44	7185071.73	48.00
3241	715751.69	7185055.95	48.00
3247	715756.68	7185036.91	48.00
3253	715762.60	7185017.71	48.00
3259	715768.76	7185000.02	48.00
3265	715780.67	7184984.75	48.00
3271	715789.10	7184968.65	48.00
3277	715798.24	7184952.17	48.00
3283	715800.91	7184933.81	48.00
3289	715810.83	7184917.89	48.00
3295	715822.11	7184902.95	48.00
3301	715828.77	7184884.42	48.00
3307	715823.43	7184866.62	48.00
3313	715823.32	7184847.56	48.00
3319	715825.15	7184835.23	48.00
3325	715842.80	7184837.56	48.00
3331	715844.23	7184819.55	48.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
3337	715849.89	7184799.77	48.00
3343	715858.31	7184781.58	48.00
3349	715865.55	7184766.08	48.00
3355	715852.40	7184767.39	48.00
3361	715839.19	7184780.04	48.00
3367	715824.32	7184791.18	48.00
3373	715808.50	7184797.39	48.00
3379	715805.93	7184813.47	48.00
3385	715799.56	7184826.46	48.00
3391	715790.81	7184824.59	48.00
3397	715772.64	7184820.85	48.00
3403	715753.57	7184823.66	48.00
3457	715722.59	7185081.64	49.00
3463	715737.67	7185069.26	49.00
3469	715748.43	7185051.98	49.00
3475	715753.49	7185032.95	49.00
3481	715759.50	7185014.25	49.00
3487	715766.29	7184996.10	49.00
3493	715777.91	7184981.89	49.00
3499	715786.66	7184965.60	49.00
3505	715793.43	7184948.62	49.00
3511	715797.62	7184929.44	49.00
3517	715809.70	7184914.87	49.00
3523	715822.03	7184898.73	49.00
3529	715825.98	7184880.27	49.00
3535	715817.65	7184863.28	49.00
3541	715814.51	7184843.96	49.00
3547	715810.70	7184825.24	49.00
3553	715820.19	7184827.33	49.00
3559	715837.52	7184831.73	49.00
3565	715840.27	7184813.17	49.00
3571	715847.24	7184793.97	49.00
3577	715842.58	7184783.06	49.00
3583	715826.94	7184793.46	49.00
3589	715811.67	7184803.45	49.00
3595	715807.78	7184819.16	49.00
3601	715807.55	7184838.12	49.00
3607	715791.38	7184830.42	49.00
3613	715773.44	7184825.56	49.00
3619	715753.47	7184829.18	49.00
3625	715595.73	7185093.45	51.00
3667	715709.82	7185090.46	51.00
3673	715720.26	7185074.05	51.00
3679	715732.47	7185058.73	51.00
3685	715742.96	7185042.55	51.00
3691	715747.63	7185023.93	51.00
3697	715757.37	7185007.51	51.00
3703	715764.85	7184990.17	51.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
3709	715775.31	7184975.07	51.00
3715	715783.81	7184958.90	51.00
3721	715789.03	7184940.71	51.00
3727	715793.37	7184922.79	51.00
3733	715807.86	7184910.96	51.00
3739	715818.09	7184894.85	51.00
3745	715816.98	7184875.19	51.00
3751	715808.10	7184858.24	51.00
3757	715797.62	7184844.39	51.00
3763	715779.59	7184836.68	51.00
3769	715760.86	7184836.73	51.00
3775	715743.95	7184845.10	51.00
3781	715728.38	7184854.73	51.00
3787	715742.62	7184850.80	52.00
3793	715758.97	7184841.74	52.00
3799	715778.03	7184841.57	52.00
3805	715796.18	7184847.16	52.00
3811	715805.13	7184862.31	52.00
3817	715814.04	7184878.88	52.00
3823	715815.06	7184897.01	52.00
3829	715802.57	7184912.23	52.00
3835	715790.00	7184924.64	52.00
3841	715785.36	7184942.59	52.00
3847	715777.57	7184960.32	52.00
3853	715768.53	7184977.01	52.00
3859	715760.12	7184994.43	52.00
3865	715749.64	7185010.41	52.00
3871	715744.11	7185027.96	52.00
3877	715736.56	7185045.45	52.00
3883	715726.59	7185061.94	52.00
3889	715712.72	7185075.22	52.00
3895	715707.12	7185092.50	52.00
3937	715593.70	7185091.33	52.00
3943	715591.66	7185087.17	53.00
3949	715608.60	7185094.48	53.00
3985	715705.13	7185091.06	53.00
3991	715708.90	7185072.60	53.00
3997	715722.94	7185060.69	53.00
4003	715729.65	7185042.98	53.00
4009	715741.06	7185028.82	53.00
4015	715746.01	7185010.53	53.00
4021	715756.02	7184994.27	53.00
4027	715766.07	7184977.38	53.00
4033	715773.72	7184960.02	53.00
4039	715781.87	7184942.97	53.00
4045	715788.10	7184925.40	53.00
4051	715799.40	7184910.59	53.00
4057	715812.17	7184896.13	53.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
4063	715811.16	7184876.97	53.00
4069	715801.47	7184861.16	53.00
4075	715790.17	7184847.11	53.00
4081	715771.19	7184846.20	53.00
4087	715752.70	7184850.15	53.00
4093	715736.29	7184861.49	53.00
4099	715734.56	7184865.98	54.00
4105	715750.90	7184855.49	54.00
4111	715769.67	7184850.30	54.00
4117	715788.87	7184852.56	54.00
4123	715799.11	7184866.96	54.00
4129	715809.40	7184882.81	54.00
4135	715806.61	7184900.69	54.00
4141	715792.19	7184912.67	54.00
4147	715785.26	7184930.22	54.00
4153	715776.89	7184947.37	54.00
4159	715768.17	7184964.15	54.00
4165	715761.64	7184981.74	54.00
4171	715750.72	7184998.31	54.00
4177	715739.64	7185015.30	54.00
4183	715737.21	7185034.22	54.00
4189	715721.44	7185044.17	54.00
4195	715717.71	7185061.78	54.00
4201	715704.96	7185073.04	54.00
4207	715702.71	7185091.76	54.00
4243	715605.81	7185089.43	54.00
4249	715588.89	7185081.17	54.00
4255	715593.97	7185079.27	56.00
4261	715611.03	7185086.76	56.00
4297	715701.43	7185082.69	56.00
4303	715702.01	7185064.09	56.00
4309	715716.89	7185052.72	56.00
4315	715722.29	7185035.24	56.00
4321	715733.58	7185021.07	56.00
4327	715742.76	7185003.82	56.00
4333	715753.00	7184987.34	56.00
4339	715763.07	7184970.37	56.00
4345	715769.68	7184951.79	56.00
4351	715778.29	7184935.30	56.00
4357	715784.29	7184917.98	56.00
4363	715795.88	7184903.60	56.00
4369	715803.81	7184887.57	56.00
4375	715795.70	7184870.64	56.00
4381	715780.73	7184859.34	56.00
4387	715761.71	7184859.16	56.00
4393	715745.12	7184869.49	56.00
4399	715730.95	7184882.62	56.00
4405	715734.10	7184885.08	57.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
4411	715748.64	7184873.36	57.00
4417	715764.43	7184861.88	57.00
4423	715783.37	7184864.74	57.00
4429	715797.31	7184878.02	57.00
4435	715801.68	7184896.09	57.00
4441	715786.59	7184907.16	57.00
4447	715781.10	7184924.86	57.00
4453	715771.60	7184940.79	57.00
4459	715762.66	7184957.60	57.00
4465	715758.03	7184975.29	57.00
4471	715746.64	7184991.38	57.00
4477	715737.40	7185008.21	57.00
4483	715728.04	7185024.51	57.00
4489	715716.98	7185040.73	57.00
4495	715705.95	7185055.70	57.00
4501	715698.89	7185073.27	57.00
4507	715694.72	7185090.60	57.00
4537	715614.06	7185087.77	57.00
4543	715599.47	7185078.63	57.00
4549	715590.01	7185068.40	58.00
4555	715606.11	7185078.17	58.00
4561	715619.82	7185091.14	58.00
4591	715696.83	7185081.55	58.00
4597	715698.85	7185062.95	58.00
4603	715710.29	7185047.74	58.00
4609	715720.10	7185031.45	58.00
4615	715730.56	7185015.19	58.00
4621	715740.15	7184998.44	58.00
4627	715750.86	7184981.97	58.00
4633	715759.69	7184964.93	58.00
4639	715765.64	7184947.69	58.00
4645	715776.40	7184930.11	58.00
4651	715782.23	7184911.52	58.00
4657	715794.62	7184897.18	58.00
4663	715794.93	7184880.22	58.00
4669	715781.88	7184866.26	58.00
4675	715763.12	7184867.68	58.00
4681	715746.95	7184878.37	58.00
4687	715733.47	7184892.09	58.00
4693	715722.96	7184897.15	58.00
4699	715703.18	7184897.30	58.00
4705	715684.19	7184901.07	58.00
4711	715665.10	7184904.90	58.00
4717	715646.94	7184909.71	58.00
4723	715664.10	7184901.46	57.00
4729	715682.75	7184897.01	57.00
4735	715653.04	7184900.11	56.00
4741	715671.61	7184896.16	56.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
4747	715657.51	7184910.42	59.00
4753	715677.08	7184906.47	59.00
4759	715696.46	7184902.29	59.00
4765	715716.61	7184902.50	59.00
4771	715735.40	7184903.18	59.00
4777	715744.34	7184886.19	59.00
4783	715761.13	7184873.39	59.00
4789	715778.69	7184868.92	59.00
4795	715791.26	7184883.22	59.00
4801	715785.85	7184901.10	59.00
4807	715776.83	7184918.70	59.00
4813	715768.34	7184935.57	59.00
4819	715759.07	7184952.43	59.00
4825	715755.45	7184970.69	59.00
4831	715744.17	7184986.61	59.00
4837	715734.91	7185004.04	59.00
4843	715724.79	7185021.00	59.00
4849	715713.25	7185038.78	59.00
4855	715701.99	7185054.79	59.00
4861	715695.74	7185072.11	59.00
4867	715689.66	7185089.80	59.00
4891	715622.90	7185093.07	59.00
4897	715610.81	7185078.84	59.00
4903	715595.11	7185068.72	59.00
4909	715614.34	7185076.46	61.00
4915	715625.40	7185092.35	61.00
4939	715688.28	7185081.03	61.00
4945	715694.12	7185062.73	61.00
4951	715703.68	7185046.46	61.00
4957	715714.34	7185030.33	61.00
4963	715724.55	7185013.75	61.00
4969	715733.80	7184996.97	61.00
4975	715742.14	7184979.25	61.00
4981	715751.87	7184962.90	61.00
4987	715758.49	7184944.89	61.00
4993	715767.33	7184927.26	61.00
4999	715776.08	7184909.79	61.00
5005	715782.92	7184892.14	61.00
5011	715775.58	7184874.73	61.00
5017	715760.41	7184883.49	61.00
5023	715746.77	7184896.33	61.00
5029	715736.05	7184912.86	61.00
5035	715717.83	7184911.39	61.00
5041	715697.70	7184910.33	61.00
5047	715677.43	7184914.35	61.00
5053	715658.56	7184918.09	61.00
5059	715650.61	7184926.62	62.00
5065	715668.16	7184919.98	62.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
5071	715687.42	7184916.40	62.00
5077	715706.55	7184914.39	62.00
5083	715725.68	7184917.52	62.00
5089	715739.93	7184914.01	62.00
5095	715751.28	7184898.17	62.00
5101	715764.00	7184886.21	62.00
5107	715776.43	7184881.44	62.00
5113	715777.54	7184899.83	62.00
5119	715770.72	7184917.66	62.00
5125	715757.91	7184931.84	62.00
5131	715752.72	7184950.82	62.00
5137	715745.65	7184968.97	62.00
5143	715736.57	7184985.20	62.00
5149	715728.97	7185002.32	62.00
5155	715719.64	7185018.62	62.00
5161	715708.53	7185034.84	62.00
5167	715698.38	7185050.60	62.00
5173	715690.44	7185067.48	62.00
5179	715685.79	7185086.00	62.00
5203	715622.50	7185084.42	62.00
5209	715610.97	7185069.32	62.00
5215	715619.42	7185076.74	63.00
5221	715630.28	7185092.47	63.00
5239	715682.74	7185087.96	63.00
5245	715688.80	7185069.94	63.00
5251	715695.51	7185052.26	63.00
5257	715705.53	7185036.55	63.00
5263	715716.14	7185021.37	63.00
5269	715725.51	7185004.67	63.00
5275	715733.81	7184987.60	63.00
5281	715742.37	7184970.03	63.00
5287	715749.67	7184952.91	63.00
5293	715753.10	7184934.14	63.00
5299	715766.15	7184919.51	63.00
5305	715773.99	7184902.78	63.00
5311	715774.89	7184885.16	63.00
5317	715759.53	7184891.12	63.00
5323	715751.54	7184907.80	63.00
5329	715741.94	7184923.90	63.00
5335	715728.61	7184923.10	63.00
5341	715710.00	7184917.98	63.00
5347	715691.09	7184920.40	63.00
5353	715672.42	7184923.24	63.00
5359	715654.97	7184928.56	63.00
5365	715649.38	7184939.04	64.00
5371	715664.53	7184927.90	64.00
5377	715683.27	7184926.41	64.00
5383	715702.11	7184923.49	64.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
5389	715720.98	7184926.30	64.00
5395	715736.83	7184936.19	64.00
5401	715746.16	7184926.38	64.00
5407	715753.18	7184908.56	64.00
5413	715761.83	7184892.29	64.00
5419	715770.92	7184888.15	64.00
5425	715768.67	7184905.57	64.00
5431	715759.26	7184921.87	64.00
5437	715748.67	7184936.20	64.00
5443	715744.92	7184954.71	64.00
5449	715737.76	7184972.44	64.00
5455	715730.51	7184990.60	64.00
5461	715722.19	7185007.63	64.00
5467	715712.71	7185023.83	64.00
5473	715701.54	7185039.39	64.00
5479	715692.25	7185055.82	64.00
5485	715686.78	7185073.95	64.00
5491	715678.35	7185090.25	64.00
5509	715627.48	7185086.49	64.00
5515	715617.09	7185070.99	64.00
5521	715624.44	7185073.84	66.00
5527	715635.46	7185089.15	66.00
5533	715654.21	7185092.73	66.00
5539	715672.59	7185088.41	66.00
5545	715683.29	7185073.65	66.00
5551	715688.83	7185055.55	66.00
5557	715697.86	7185038.22	66.00
5563	715709.17	7185023.13	66.00
5569	715718.69	7185006.41	66.00
5575	715726.58	7184988.63	66.00
5581	715733.70	7184971.28	66.00
5587	715735.82	7184951.83	66.00
5593	715722.02	7184940.11	66.00
5599	715703.45	7184934.11	66.00
5605	715684.81	7184934.54	66.00
5611	715665.99	7184936.13	66.00
5617	715652.18	7184947.74	66.00
5623	715655.44	7184948.91	67.00
5629	715670.56	7184938.10	67.00
5635	715690.53	7184937.45	67.00
5641	715710.21	7184940.60	67.00
5647	715726.87	7184951.45	67.00
5653	715731.66	7184969.74	67.00
5659	715725.70	7184988.63	67.00
5665	715717.55	7185005.61	67.00
5671	715707.34	7185022.19	67.00
5677	715695.83	7185037.03	67.00
5683	715687.62	7185053.80	67.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
5689	715681.60	7185073.00	67.00
5695	715670.51	7185087.21	67.00
5701	715651.27	7185090.77	67.00
5707	715634.40	7185085.04	67.00
5713	715623.38	7185069.65	67.00
5719	715631.42	7185077.30	68.00
5725	715644.62	7185089.56	68.00
5731	715663.00	7185087.04	68.00
5737	715677.91	7185076.77	68.00
5743	715684.39	7185059.28	68.00
5749	715690.62	7185041.70	68.00
5755	715702.68	7185026.52	68.00
5761	715713.11	7185010.44	68.00
5767	715721.77	7184993.03	68.00
5773	715727.89	7184973.66	68.00
5779	715721.59	7184956.82	68.00
5785	715707.08	7184943.96	68.00
5791	715687.91	7184941.22	68.00
5797	715668.33	7184943.72	68.00
5803	715653.67	7184956.39	68.00
5809	715653.81	7184961.04	69.00
5815	715668.84	7184947.61	69.00
5821	715688.85	7184944.96	69.00
5827	715707.11	7184951.65	69.00
5833	715721.77	7184964.22	69.00
5839	715723.54	7184983.52	69.00
5845	715715.98	7185001.00	69.00
5851	715707.11	7185017.62	69.00
5857	715694.72	7185032.01	69.00
5863	715685.97	7185048.20	69.00
5869	715680.45	7185066.28	69.00
5875	715670.27	7185082.24	69.00
5881	715653.01	7185088.06	69.00
5887	715636.75	7185081.98	69.00
5893	715626.72	7185067.04	69.00
5899	715638.20	7185079.91	71.00
5905	715655.34	7185084.88	71.00
5911	715671.66	7185076.37	71.00
5917	715679.40	7185059.43	71.00
5923	715684.27	7185041.32	71.00
5929	715695.95	7185026.44	71.00
5935	715707.12	7185010.57	71.00
5941	715715.13	7184993.32	71.00
5947	715711.00	7184975.24	71.00
5953	715693.02	7184971.21	71.00
5959	715672.56	7184974.62	71.00
5965	715652.93	7184979.07	71.00
5971	715655.01	7184985.56	72.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
5977	715674.30	7184979.70	72.00
5983	715693.14	7184976.86	72.00
5989	715711.12	7184983.19	72.00
5995	715709.40	7185001.65	72.00
6001	715700.02	7185018.95	72.00
6007	715686.92	7185032.77	72.00
6013	715680.45	7185050.81	72.00
6019	715675.19	7185068.47	72.00
6025	715661.91	7185081.02	72.00
6031	715643.68	7185083.40	72.00
6037	715633.54	7185067.98	72.00
6043	715641.48	7185078.88	73.00
6049	715658.29	7185080.47	73.00
6055	715673.39	7185068.41	73.00
6061	715679.07	7185049.88	73.00
6067	715685.24	7185031.74	73.00
6073	715698.39	7185018.01	73.00
6079	715706.08	7185000.45	73.00
6085	715699.05	7184984.60	73.00
6091	715680.48	7184984.22	73.00
6097	715661.02	7184990.95	73.00
6103	715650.14	7185002.77	74.00
6109	715667.92	7184993.79	74.00
6115	715686.59	7184987.59	74.00
6121	715702.31	7184995.18	74.00
6127	715697.83	7185013.91	74.00
6133	715685.28	7185028.74	74.00
6139	715677.74	7185046.58	74.00
6145	715671.98	7185065.51	74.00
6151	715658.71	7185078.80	74.00
6157	715640.83	7185074.37	74.00
6163	715643.87	7185073.73	76.00
6169	715661.88	7185072.30	76.00
6175	715670.62	7185055.98	76.00
6181	715676.70	7185037.37	76.00
6187	715685.97	7185020.29	76.00
6193	715686.44	7185003.01	76.00
6199	715667.87	7185007.00	76.00
6205	715650.39	7185017.17	76.00
6211	715653.76	7185025.21	77.00
6217	715668.41	7185011.66	77.00
6223	715684.87	7185013.69	77.00
6229	715677.92	7185030.94	77.00
6235	715671.58	7185048.88	77.00
6241	715664.37	7185066.56	77.00
6247	715648.45	7185073.83	77.00
6253	715650.19	7185072.44	78.00
6259	715664.80	7185062.79	78.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
6265	715671.16	7185045.00	78.00
6271	715677.98	7185027.20	78.00
6277	715668.93	7185018.57	78.00
6283	715654.65	7185032.30	78.00
6289	715657.10	7185052.36	79.00
6295	715660.00	7185034.93	79.00
6301	715668.15	7185049.76	79.00
6307	715657.10	7185052.36	79.00
6373	715802.21	7185085.03	47.00
6379	715817.69	7185072.90	47.00
6385	715826.45	7185056.51	47.00
6391	715832.30	7185039.06	47.00
6397	715850.94	7185043.86	47.00
6403	715859.73	7185039.76	47.00
6409	715851.84	7185023.19	47.00
6415	715835.81	7185016.72	47.00
6421	715845.37	7184999.12	47.00
6427	715861.87	7184988.39	47.00
6433	715874.43	7184988.51	48.00
6439	715857.52	7184996.92	48.00
6445	715852.80	7185014.86	48.00
6451	715863.31	7185029.84	48.00
6457	715873.43	7185046.96	48.00
6463	715854.95	7185048.36	48.00
6469	715835.82	7185048.53	48.00
6475	715830.67	7185065.64	48.00
6481	715817.54	7185079.34	48.00
6487	715802.24	7185089.43	48.00
6529	715809.18	7185085.99	49.00
6535	715827.49	7185079.09	49.00
6541	715836.17	7185062.80	49.00
6547	715849.39	7185065.12	49.00
6553	715862.32	7185058.86	49.00
6559	715872.94	7185026.61	49.00
6565	715859.89	7185011.68	49.00
6571	715869.38	7184994.98	49.00
6595	715822.54	7185089.76	51.00
6601	715837.70	7185078.20	51.00
6607	715854.72	7185071.77	51.00
6613	715869.88	7185064.76	51.00
6619	715866.81	7185074.29	52.00
6625	715848.07	7185074.68	52.00
6631	715833.97	7185088.02	52.00
6679	715836.57	7185092.64	53.00
6685	715848.61	7185077.07	53.00
6691	715866.82	7185078.01	53.00
6697	715872.86	7185077.68	54.00
6703	715854.00	7185081.28	54.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
6709	715840.64	7185093.02	54.00
6757	715857.09	7185088.66	56.00
6763	715874.02	7185085.25	56.00
6769	715858.70	7185093.74	57.00
6817	715875.26	7185093.47	58.00
6847	715864.81	7184833.18	47.00
6853	715855.30	7184850.25	47.00
6859	715853.15	7184868.00	47.00
6865	715850.54	7184887.09	47.00
6871	715849.00	7184907.32	47.00
6877	715856.07	7184924.78	47.00
6883	715864.80	7184943.04	47.00
6889	715870.72	7184975.65	47.00
6895	715856.04	7184966.93	47.00
6901	715871.22	7184958.02	47.00
6907	715867.08	7184967.13	48.00
6913	715869.25	7184876.72	48.00
6919	715870.16	7184859.85	48.00
6925	715755.78	7184815.61	46.00
6931	715774.70	7184815.97	46.00
6937	715792.58	7184812.58	46.00
6943	715800.89	7184798.41	46.00
6949	715814.33	7184785.43	46.00
6955	715831.27	7184777.36	46.00
6961	715845.86	7184764.18	46.00
6967	715862.54	7184754.30	46.00
6973	715872.06	7184764.84	47.00
6979	715854.46	7184762.71	47.00
6985	715838.45	7184774.20	47.00
6991	715825.16	7184788.05	47.00
6997	715806.98	7184793.86	47.00
7003	715802.25	7184811.35	47.00
7009	715786.50	7184819.33	47.00
7015	715767.67	7184818.22	47.00
7021	715748.33	7184820.96	47.00
7027	715780.44	7184715.11	34.00
7033	715788.30	7184732.01	34.00
7039	715805.63	7184740.56	34.00
7045	715817.44	7184734.63	34.00
7051	715833.68	7184723.96	34.00
7057	715832.23	7184718.01	34.00
7063	715816.14	7184707.91	34.00
7069	715802.75	7184693.28	34.00
7075	715792.74	7184676.56	34.00
7081	715797.68	7184659.54	34.00
7087	715811.01	7184644.62	34.00
7093	715817.02	7184626.98	34.00
7099	715813.61	7184611.56	34.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: KORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
7105	715805.79	7184600.92	34.00
7111	715770.86	7184678.39	32.00
7117	715774.19	7184695.96	32.00
7123	715780.18	7184705.79	32.00
7129	715775.94	7184687.16	32.00
7135	715777.89	7184668.76	32.00
7141	715789.49	7184652.98	32.00
7147	715788.99	7184636.33	32.00
7153	715786.96	7184622.92	32.00
7159	715791.10	7184608.44	32.00
7165	715795.67	7184599.90	32.00
7171	715757.03	7184743.05	36.00
7177	715772.54	7184754.58	36.00
7183	715790.78	7184758.40	36.00
7189	715809.11	7184752.92	36.00
7195	715823.76	7184740.75	36.00
7201	715838.15	7184727.80	36.00
7207	715852.30	7184718.56	36.00
7213	715846.56	7184709.18	36.00
7219	715837.45	7184695.35	36.00
7225	715838.01	7184675.45	36.00
7231	715845.40	7184657.58	36.00
7237	715852.07	7184643.80	36.00
7243	715851.45	7184624.67	36.00
7249	715854.57	7184613.84	36.00
7255	715839.43	7184608.06	36.00
7261	715821.94	7184601.06	36.00
7267	715764.28	7184776.63	38.00
7273	715782.81	7184774.05	38.00
7279	715799.31	7184774.16	38.00
7285	715812.15	7184759.16	38.00
7291	715827.81	7184747.70	38.00
7297	715841.98	7184733.05	38.00
7303	715859.32	7184724.70	38.00
7309	715855.50	7184707.78	38.00
7315	715847.43	7184693.63	38.00
7321	715861.23	7184681.41	38.00
7327	715863.33	7184666.02	38.00
7333	715859.83	7184649.28	38.00
7339	715863.65	7184629.94	38.00
7345	715866.24	7184612.78	38.00
7351	715855.90	7184596.80	38.00
7357	715867.34	7184606.18	39.00
7363	715877.66	7184617.31	39.00
7369	715866.69	7184633.98	39.00
7375	715866.49	7184652.79	39.00
7381	715874.40	7184670.26	39.00
7387	715862.95	7184686.22	39.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
7393	715849.18	7184694.91	39.00
7399	715858.82	7184709.43	39.00
7405	715860.49	7184727.60	39.00
7411	715843.89	7184737.21	39.00
7417	715830.54	7184749.51	39.00
7423	715814.28	7184761.22	39.00
7429	715800.72	7184774.07	39.00
7435	715785.27	7184779.55	39.00
7441	715766.14	7184781.76	39.00
7447	715747.24	7184783.98	39.00
7453	715757.89	7184795.76	41.00
7459	715776.05	7184791.96	41.00
7465	715793.81	7184787.27	41.00
7471	715808.32	7184774.44	41.00
7477	715822.63	7184761.54	41.00
7483	715840.35	7184750.88	41.00
7489	715856.69	7184738.09	41.00
7495	715865.97	7184720.96	41.00
7501	715862.35	7184701.85	41.00
7507	715871.26	7184686.44	41.00
7513	715882.60	7184675.57	41.00
7519	715875.73	7184656.87	41.00
7525	715873.25	7184638.46	41.00
7531	715879.98	7184619.58	41.00
7537	715875.29	7184602.47	41.00
7543	715879.69	7184601.43	42.00
7549	715882.19	7184619.67	42.00
7555	715878.70	7184639.59	42.00
7561	715878.44	7184659.00	42.00
7567	715888.57	7184675.07	42.00
7573	715876.68	7184685.77	42.00
7579	715869.14	7184702.79	42.00
7585	715868.44	7184722.29	42.00
7591	715858.74	7184738.36	42.00
7597	715844.47	7184751.59	42.00
7603	715827.71	7184761.79	42.00
7609	715813.79	7184773.91	42.00
7615	715799.04	7184786.13	42.00
7621	715782.41	7184794.33	42.00
7627	715765.47	7184800.31	42.00
7633	715746.36	7184800.35	42.00
7639	715763.33	7184803.12	43.00
7645	715782.37	7184802.50	43.00
7651	715796.81	7184790.83	43.00
7657	715811.01	7184777.30	43.00
7663	715825.83	7184766.50	43.00
7669	715841.70	7184755.45	43.00
7675	715858.24	7184744.89	43.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
7681	715870.05	7184727.69	43.00
7687	715873.51	7184708.82	43.00
7693	715878.56	7184690.06	43.00
7699	715893.65	7184679.30	43.00
7705	715892.68	7184668.03	43.00
7711	715883.95	7184649.12	43.00
7717	715883.65	7184630.15	43.00
7723	715884.00	7184610.29	43.00
7729	715888.93	7184596.22	44.00
7735	715886.71	7184614.29	44.00
7741	715885.57	7184632.78	44.00
7747	715890.48	7184652.57	44.00
7753	715899.47	7184670.24	44.00
7759	715903.71	7184680.92	44.00
7765	715886.08	7184687.51	44.00
7771	715877.26	7184704.40	44.00
7777	715874.71	7184723.11	44.00
7783	715868.73	7184741.83	44.00
7789	715852.66	7184753.83	44.00
7795	715834.61	7184763.33	44.00
7801	715822.66	7184777.08	44.00
7807	715805.09	7184785.52	44.00
7813	715793.94	7184799.09	44.00
7819	715778.77	7184807.63	44.00
7825	715758.97	7184806.65	44.00
7831	715884.10	7184746.29	46.00
7837	715879.27	7184727.45	46.00
7843	715881.32	7184708.81	46.00
7849	715892.38	7184693.56	46.00
7855	715910.14	7184685.48	46.00
7861	715927.24	7184677.83	46.00
7867	715921.38	7184682.18	47.00
7873	715904.90	7184693.42	47.00
7879	715890.26	7184705.26	47.00
7885	715880.48	7184721.61	47.00
7891	715887.11	7184739.26	47.00
7897	715890.39	7184739.25	48.00
7903	715882.71	7184721.43	48.00
7909	715892.96	7184705.37	48.00
7915	715908.55	7184695.86	48.00
7921	715923.25	7184683.79	48.00
7927	715925.10	7184685.90	49.00
7933	715909.78	7184698.19	49.00
7939	715893.33	7184709.07	49.00
7945	715885.66	7184725.96	49.00
7951	715894.92	7184742.84	49.00
7957	715896.35	7184737.27	51.00
7963	715891.09	7184719.47	51.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
7969	715904.74	7184706.08	51.00
7975	715920.47	7184695.03	51.00
7981	715931.26	7184689.60	52.00
7987	715916.07	7184701.09	52.00
7993	715900.50	7184712.07	52.00
7999	715894.07	7184728.23	52.00
8005	715903.45	7184744.51	52.00
8011	715900.03	7184732.87	53.00
8017	715900.23	7184716.21	53.00
8023	715915.93	7184705.21	53.00
8029	715929.94	7184692.47	53.00
8035	715922.18	7184702.29	54.00
8041	715905.97	7184713.80	54.00
8047	715901.68	7184730.56	54.00
8053	715912.13	7184745.76	56.00
8059	715906.33	7184727.48	56.00
8065	715915.35	7184712.94	56.00
8071	715929.19	7184700.25	56.00
8077	715921.72	7184709.40	57.00
8083	715909.07	7184722.91	57.00
8089	715913.86	7184741.27	57.00
8095	715915.08	7184737.05	58.00
8101	715913.00	7184718.57	58.00
8107	715928.24	7184706.48	58.00
8113	715923.46	7184711.93	59.00
8119	715913.54	7184725.35	59.00
8125	715918.21	7184743.88	59.00
8131	715920.33	7184732.18	61.00
8137	715925.21	7184715.54	61.00
8143	715925.94	7184717.55	62.00
8149	715922.79	7184735.05	62.00
8155	715925.21	7184741.88	63.00
8161	715925.15	7184722.48	63.00
8167	715927.36	7184724.55	64.00
8173	715928.14	7184744.23	64.00
8179	715919.00	7184663.72	46.00
8185	715903.40	7184652.58	46.00
8191	715893.13	7184636.03	46.00
8197	715889.47	7184617.54	46.00
8203	715895.52	7184596.46	46.00
8209	715898.36	7184604.21	47.00
8215	715893.20	7184624.02	47.00
8221	715899.98	7184641.99	47.00
8227	715913.41	7184655.08	47.00
8233	715929.64	7184664.93	47.00
8239	715915.92	7184652.49	48.00
8245	715902.26	7184638.79	48.00
8251	715899.34	7184618.52	48.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
8257	715903.01	7184600.00	48.00
8263	715905.19	7184604.52	49.00
8269	715902.97	7184624.16	49.00
8275	715909.00	7184643.00	49.00
8281	715924.47	7184654.33	49.00
8287	715923.47	7184644.32	51.00
8293	715910.90	7184630.02	51.00
8299	715909.68	7184611.83	51.00
8305	715912.26	7184594.88	51.00
8311	715912.44	7184610.54	52.00
8317	715913.76	7184628.51	52.00
8323	715927.95	7184642.16	52.00
8329	715921.99	7184631.07	53.00
8335	715913.72	7184615.96	53.00
8341	715917.72	7184597.45	53.00
8347	715918.24	7184608.61	54.00
8353	715920.10	7184627.08	54.00
8359	715930.58	7184624.42	56.00
8365	715924.49	7184607.98	56.00
8371	715926.17	7184594.26	57.00
8377	715929.19	7184612.85	57.00
8383	715929.43	7184596.61	58.00
8389	715797.02	7184596.82	33.00
8395	715785.71	7184585.37	33.00
8401	715775.98	7184569.00	33.00
8407	715770.58	7184551.37	33.00
8413	715801.94	7184595.83	34.00
8419	715795.17	7184588.41	34.00
8425	715784.98	7184571.97	34.00
8431	715776.31	7184554.54	34.00
8437	715786.47	7184600.25	31.00
8443	715772.14	7184588.54	31.00
8449	715812.45	7184597.29	36.00
8455	715801.01	7184582.13	36.00
8461	715791.41	7184565.02	36.00
8467	715781.80	7184548.41	36.00
8473	715771.21	7184532.32	36.00
8479	715777.60	7184515.07	36.00
8485	715790.88	7184501.30	36.00
8491	715804.03	7184486.44	36.00
8497	715813.46	7184469.54	36.00
8503	715816.24	7184450.00	36.00
8509	715822.83	7184431.32	36.00
8515	715823.09	7184413.10	36.00
8521	715820.36	7184394.60	36.00
8527	715822.63	7184374.93	36.00
8533	715820.89	7184355.32	36.00
8539	715822.36	7184335.63	36.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
8545	715827.57	7184317.12	36.00
8551	715833.94	7184299.31	36.00
8557	715830.44	7184282.06	36.00
8563	715822.21	7184271.49	36.00
8569	715839.74	7184271.26	36.00
8575	715856.79	7184270.40	36.00
8581	715875.66	7184272.93	36.00
8587	715894.80	7184270.03	36.00
8593	715912.08	7184259.80	36.00
8599	715929.05	7184249.08	36.00
8605	715921.25	7184261.08	37.00
8611	715903.50	7184269.56	37.00
8617	715885.09	7184276.14	37.00
8623	715865.73	7184274.22	37.00
8629	715846.87	7184270.63	37.00
8635	715830.80	7184279.09	37.00
8641	715836.50	7184296.29	37.00
8647	715831.24	7184314.58	37.00
8653	715825.23	7184333.15	37.00
8659	715823.57	7184352.65	37.00
8665	715824.19	7184371.52	37.00
8671	715824.67	7184391.33	37.00
8677	715824.20	7184410.07	37.00
8683	715826.40	7184428.72	37.00
8689	715820.20	7184446.69	37.00
8695	715816.09	7184465.48	37.00
8701	715810.13	7184483.52	37.00
8707	715798.64	7184499.07	37.00
8713	715783.92	7184510.93	37.00
8719	715773.13	7184526.09	37.00
8725	715779.53	7184543.19	37.00
8731	715791.43	7184557.63	37.00
8737	715800.51	7184574.52	37.00
8743	715810.20	7184590.87	37.00
8749	715827.96	7184597.39	37.00
8755	715861.13	7184583.87	38.00
8761	715864.68	7184572.56	38.00
8767	715855.48	7184571.70	38.00
8773	715847.08	7184586.10	38.00
8779	715830.78	7184594.74	38.00
8785	715812.55	7184590.77	38.00
8791	715803.19	7184574.12	38.00
8797	715795.61	7184557.12	38.00
8803	715783.02	7184542.71	38.00
8809	715775.85	7184526.28	38.00
8815	715787.24	7184511.17	38.00
8821	715802.61	7184500.24	38.00
8827	715811.94	7184483.06	38.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
8833	715817.92	7184464.67	38.00
8839	715821.87	7184445.68	38.00
8845	715828.43	7184427.49	38.00
8851	715827.18	7184408.57	38.00
8857	715828.10	7184389.66	38.00
8863	715827.85	7184370.68	38.00
8869	715825.79	7184351.26	38.00
8875	715829.00	7184331.85	38.00
8881	715832.94	7184313.29	38.00
8887	715839.21	7184295.47	38.00
8893	715839.79	7184277.59	38.00
8899	715858.29	7184277.45	38.00
8905	715877.91	7184279.23	38.00
8911	715897.11	7184276.86	38.00
8917	715916.07	7184271.39	38.00
8923	715931.77	7184265.28	38.00
8929	715914.96	7184280.98	39.00
8935	715894.57	7184281.60	39.00
8941	715873.51	7184283.12	39.00
8947	715854.18	7184279.85	39.00
8953	715841.49	7184287.68	39.00
8959	715836.20	7184306.20	39.00
8965	715831.45	7184323.88	39.00
8971	715828.72	7184343.22	39.00
8977	715828.09	7184362.65	39.00
8983	715829.76	7184381.73	39.00
8989	715829.09	7184400.19	39.00
8995	715830.42	7184418.96	39.00
9001	715828.04	7184437.85	39.00
9007	715822.19	7184456.14	39.00
9013	715817.20	7184474.77	39.00
9019	715811.14	7184493.17	39.00
9025	715799.77	7184506.45	39.00
9031	715783.16	7184517.92	39.00
9037	715779.37	7184535.23	39.00
9043	715793.04	7184548.23	39.00
9049	715800.49	7184565.41	39.00
9055	715809.45	7184582.20	39.00
9061	715824.51	7184591.04	39.00
9067	715840.64	7184582.25	39.00
9073	715850.87	7184567.16	39.00
9079	715869.51	7184568.08	39.00
9085	715867.57	7184582.71	39.00
9091	715874.09	7184595.88	41.00
9097	715875.52	7184578.55	41.00
9103	715873.63	7184561.50	41.00
9109	715856.08	7184556.24	41.00
9115	715844.46	7184559.52	41.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
9121	715829.74	7184573.89	41.00
9127	715815.00	7184583.23	41.00
9133	715806.18	7184566.91	41.00
9139	715802.41	7184549.49	41.00
9145	715789.44	7184536.01	41.00
9151	715787.41	7184521.53	41.00
9157	715802.85	7184509.38	41.00
9163	715817.96	7184498.34	41.00
9169	715820.81	7184479.04	41.00
9175	715826.51	7184460.89	41.00
9181	715831.28	7184442.24	41.00
9187	715834.71	7184423.02	41.00
9193	715832.36	7184404.25	41.00
9199	715832.98	7184385.43	41.00
9205	715832.86	7184366.34	41.00
9211	715831.83	7184347.64	41.00
9217	715837.40	7184328.56	41.00
9223	715839.52	7184308.71	41.00
9229	715847.45	7184290.56	41.00
9235	715865.54	7184288.34	41.00
9241	715885.46	7184290.01	41.00
9247	715905.05	7184294.48	41.00
9253	715919.73	7184307.03	41.00
9259	715922.53	7184326.08	41.00
9265	715920.35	7184345.20	41.00
9271	715930.75	7184355.96	41.00
9277	715920.61	7184349.79	42.00
9283	715918.28	7184330.99	42.00
9289	715916.40	7184311.62	42.00
9295	715902.20	7184298.42	42.00
9301	715883.64	7184293.58	42.00
9307	715864.83	7184291.84	42.00
9313	715847.16	7184295.05	42.00
9319	715841.18	7184312.96	42.00
9325	715838.34	7184331.96	42.00
9331	715833.66	7184350.07	42.00
9337	715833.76	7184368.81	42.00
9343	715834.02	7184388.14	42.00
9349	715834.03	7184407.87	42.00
9355	715836.13	7184426.73	42.00
9361	715832.37	7184445.20	42.00
9367	715826.80	7184463.93	42.00
9373	715821.30	7184482.21	42.00
9379	715820.30	7184501.22	42.00
9385	715803.05	7184510.79	42.00
9391	715788.34	7184523.49	42.00
9397	715794.99	7184538.18	42.00
9403	715808.89	7184551.09	42.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
9409	715809.58	7184569.50	42.00
9415	715823.16	7184577.23	42.00
9421	715834.70	7184562.02	42.00
9427	715846.09	7184547.61	42.00
9433	715857.08	7184549.87	42.00
9439	715872.87	7184557.34	42.00
9445	715878.65	7184566.70	42.00
9451	715879.85	7184585.62	42.00
9457	715883.49	7184595.90	43.00
9463	715883.71	7184574.88	43.00
9469	715878.11	7184556.40	43.00
9475	715868.34	7184550.32	43.00
9481	715863.74	7184540.61	43.00
9487	715844.78	7184544.46	43.00
9493	715831.15	7184555.72	43.00
9499	715821.78	7184572.21	43.00
9505	715810.25	7184564.33	43.00
9511	715807.67	7184546.26	43.00
9517	715793.94	7184533.49	43.00
9523	715792.78	7184522.29	43.00
9529	715807.32	7184510.63	43.00
9535	715822.02	7184499.78	43.00
9541	715822.45	7184480.84	43.00
9547	715828.88	7184462.63	43.00
9553	715834.01	7184444.12	43.00
9559	715837.26	7184425.26	43.00
9565	715835.02	7184405.96	43.00
9571	715835.02	7184387.17	43.00
9577	715835.08	7184367.46	43.00
9583	715834.76	7184348.70	43.00
9589	715840.95	7184330.96	43.00
9595	715843.81	7184311.49	43.00
9601	715852.53	7184296.24	43.00
9607	715871.09	7184296.05	43.00
9613	715889.21	7184300.20	43.00
9619	715906.95	7184308.41	43.00
9625	715914.71	7184325.13	43.00
9631	715916.98	7184345.11	43.00
9637	715926.33	7184361.05	43.00
9643	715924.68	7184362.24	44.00
9649	715915.96	7184346.02	44.00
9655	715911.96	7184326.36	44.00
9661	715902.00	7184311.13	44.00
9667	715884.25	7184302.00	44.00
9673	715865.42	7184298.62	44.00
9679	715848.14	7184306.19	44.00
9685	715843.99	7184324.88	44.00
9691	715837.07	7184343.04	44.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
9697	715836.67	7184361.85	44.00
9703	715837.04	7184380.98	44.00
9709	715836.21	7184400.29	44.00
9715	715838.57	7184419.52	44.00
9721	715836.97	7184438.53	44.00
9727	715831.98	7184458.35	44.00
9733	715825.94	7184476.16	44.00
9739	715823.11	7184495.05	44.00
9745	715813.86	7184509.67	44.00
9751	715797.65	7184518.94	44.00
9757	715797.02	7184534.25	44.00
9763	715811.30	7184546.76	44.00
9769	715818.17	7184563.23	44.00
9775	715827.56	7184549.04	44.00
9781	715845.86	7184541.93	44.00
9787	715864.21	7184538.28	44.00
9793	715873.87	7184539.72	44.00
9799	715880.79	7184550.62	44.00
9805	715883.95	7184567.49	44.00
9811	715888.10	7184586.46	44.00
9817	715896.06	7184592.94	46.00
9823	715892.21	7184574.09	46.00
9829	715888.01	7184554.28	46.00
9835	715879.91	7184537.00	46.00
9841	715866.26	7184532.88	46.00
9847	715846.35	7184536.07	46.00
9853	715827.96	7184542.68	46.00
9859	715811.87	7184542.13	46.00
9865	715797.99	7184529.09	46.00
9871	715808.83	7184516.41	46.00
9877	715823.92	7184505.85	46.00
9883	715827.13	7184487.75	46.00
9889	715831.50	7184469.07	46.00
9895	715836.86	7184450.45	46.00
9901	715840.76	7184431.11	46.00
9907	715840.82	7184412.11	46.00
9913	715838.38	7184392.89	46.00
9919	715838.91	7184373.72	46.00
9925	715839.89	7184354.48	46.00
9931	715844.98	7184335.82	46.00
9937	715850.36	7184317.63	46.00
9943	715865.71	7184306.65	46.00
9949	715884.86	7184310.58	46.00
9955	715900.44	7184320.33	46.00
9961	715907.64	7184337.68	46.00
9967	715915.47	7184355.65	46.00
9973	715925.40	7184372.80	46.00
9979	715927.30	7184378.67	47.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
9985	715916.91	7184362.29	47.00
9991	715907.57	7184344.74	47.00
9997	715898.10	7184327.51	47.00
10003	715883.68	7184314.32	47.00
10009	715865.14	7184309.88	47.00
10015	715851.09	7184322.00	47.00
10021	715844.64	7184340.31	47.00
10027	715840.49	7184359.46	47.00
10033	715839.99	7184378.38	47.00
10039	715839.73	7184397.74	47.00
10045	715843.25	7184416.74	47.00
10051	715841.31	7184436.27	47.00
10057	715836.83	7184455.89	47.00
10063	715830.89	7184474.33	47.00
10069	715828.32	7184493.24	47.00
10075	715821.97	7184510.11	47.00
10081	715805.17	7184519.75	47.00
10087	715806.34	7184533.64	47.00
10093	715822.80	7184543.38	47.00
10099	715839.79	7184532.91	47.00
10105	715859.27	7184531.64	47.00
10111	715877.75	7184530.01	47.00
10117	715888.76	7184544.08	47.00
10123	715893.82	7184562.46	47.00
10129	715896.58	7184581.82	47.00
10135	715902.51	7184595.20	48.00
10141	715899.01	7184576.17	48.00
10147	715896.28	7184556.51	48.00
10153	715887.96	7184540.22	48.00
10159	715877.27	7184528.11	48.00
10165	715857.44	7184529.37	48.00
10171	715837.72	7184530.50	48.00
10177	715821.59	7184540.25	48.00
10183	715805.87	7184530.00	48.00
10189	715812.37	7184518.18	48.00
10195	715827.06	7184506.22	48.00
10201	715830.00	7184487.85	48.00
10207	715834.02	7184468.73	48.00
10213	715839.43	7184450.41	48.00
10219	715843.68	7184431.11	48.00
10225	715844.37	7184412.74	48.00
10231	715840.78	7184393.80	48.00
10237	715841.21	7184374.68	48.00
10243	715842.61	7184355.52	48.00
10249	715847.13	7184336.51	48.00
10255	715856.23	7184319.78	48.00
10261	715873.66	7184313.72	48.00
10267	715889.98	7184324.17	48.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
10273	715902.18	7184339.50	48.00
10279	715910.59	7184357.38	48.00
10285	715920.11	7184375.06	48.00
10291	715930.08	7184390.97	48.00
10297	715903.99	7184579.40	49.00
10303	715900.83	7184558.79	49.00
10309	715892.92	7184540.89	49.00
10315	715882.35	7184526.15	49.00
10321	715862.96	7184528.02	49.00
10327	715843.71	7184526.98	49.00
10333	715825.57	7184533.70	49.00
10339	715810.00	7184530.37	49.00
10345	715814.52	7184519.02	49.00
10351	715828.61	7184507.46	49.00
10357	715832.17	7184489.23	49.00
10363	715834.98	7184469.81	49.00
10369	715840.72	7184450.81	49.00
10375	715844.42	7184431.89	49.00
10381	715847.15	7184412.49	49.00
10387	715841.79	7184394.44	49.00
10393	715842.84	7184375.57	49.00
10399	715843.54	7184356.70	49.00
10405	715848.68	7184337.96	49.00
10411	715858.33	7184321.03	49.00
10417	715875.88	7184318.65	49.00
10423	715890.40	7184330.47	49.00
10429	715901.55	7184346.51	49.00
10435	715910.96	7184363.99	49.00
10441	715920.45	7184380.35	49.00
10447	715927.57	7184397.90	49.00
10453	715923.10	7184416.64	49.00
10459	715915.35	7184435.11	49.00
10465	715911.74	7184454.34	49.00
10471	715909.82	7184474.38	49.00
10477	715908.04	7184488.47	49.00
10483	715920.92	7184472.68	49.00
10489	715912.39	7184591.53	51.00
10495	715910.84	7184571.34	51.00
10501	715905.64	7184551.70	51.00
10507	715895.96	7184535.10	51.00
10513	715890.44	7184518.79	51.00
10519	715903.09	7184504.06	51.00
10525	715914.09	7184488.08	51.00
10531	715927.51	7184473.92	51.00
10537	715914.94	7184585.07	52.00
10543	715912.00	7184565.92	52.00
10549	715906.27	7184547.53	52.00
10555	715896.71	7184530.11	52.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
10561	715899.09	7184513.36	52.00
10567	715910.32	7184497.32	52.00
10573	715922.49	7184481.47	52.00
10579	715917.91	7184591.32	53.00
10585	715916.01	7184571.62	53.00
10591	715910.91	7184553.17	53.00
10597	715903.50	7184535.03	53.00
10603	715898.53	7184517.51	53.00
10609	715910.20	7184502.01	53.00
10615	715921.92	7184485.26	53.00
10621	715928.32	7184482.28	54.00
10627	715915.36	7184497.23	54.00
10633	715904.45	7184513.53	54.00
10639	715904.93	7184530.94	54.00
10645	715913.11	7184549.26	54.00
10651	715918.00	7184568.09	54.00
10657	715919.53	7184587.86	54.00
10663	715923.71	7184587.43	56.00
10669	715922.11	7184568.83	56.00
10675	715919.31	7184547.47	56.00
10681	715910.27	7184529.78	56.00
10687	715912.47	7184510.76	56.00
10693	715922.26	7184494.28	56.00
10699	715930.43	7184487.78	57.00
10705	715919.13	7184502.53	57.00
10711	715912.61	7184521.15	57.00
10717	715918.47	7184539.54	57.00
10723	715923.98	7184558.55	57.00
10729	715925.84	7184578.00	57.00
10735	715929.24	7184594.20	58.00
10741	715928.47	7184574.22	58.00
10747	715925.56	7184553.38	58.00
10753	715918.60	7184535.29	58.00
10759	715916.82	7184516.72	58.00
10765	715924.30	7184498.77	58.00
10771	715928.87	7184497.18	59.00
10777	715919.87	7184514.19	59.00
10783	715921.11	7184533.56	59.00
10789	715927.69	7184551.44	59.00
10795	715929.61	7184535.42	61.00
10801	715924.91	7184517.03	61.00
10807	715930.04	7184524.09	62.00
10813	715874.04	7184435.83	66.00
10819	715876.93	7184420.42	66.00
10825	715871.19	7184432.91	66.00
10831	715873.26	7184438.03	66.00
10837	715862.50	7184460.93	66.00
10843	715856.30	7184466.18	66.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
10849	715859.39	7184473.89	66.00
10855	715878.30	7184444.77	64.00
10861	715885.97	7184425.47	64.00
10867	715883.16	7184407.13	64.00
10873	715872.45	7184393.60	64.00
10879	715865.73	7184411.34	64.00
10885	715864.38	7184430.04	64.00
10891	715862.45	7184449.48	64.00
10897	715853.70	7184466.04	64.00
10903	715850.78	7184482.68	64.00
10909	715867.47	7184479.71	64.00
10915	715876.03	7184463.44	64.00
10921	715880.64	7184447.40	63.00
10927	715887.35	7184428.98	63.00
10933	715887.16	7184409.81	63.00
10939	715878.54	7184392.38	63.00
10945	715865.06	7184398.50	63.00
10951	715863.52	7184417.89	63.00
10957	715862.56	7184436.37	63.00
10963	715858.55	7184454.63	63.00
10969	715850.01	7184471.11	63.00
10975	715850.48	7184488.89	63.00
10981	715868.10	7184481.89	63.00
10987	715878.83	7184467.01	63.00
10993	715882.85	7184448.04	62.00
10999	715888.91	7184429.74	62.00
11005	715889.64	7184410.41	62.00
11011	715883.37	7184391.89	62.00
11017	715867.82	7184385.20	62.00
11023	715863.38	7184403.93	62.00
11029	715861.19	7184423.50	62.00
11035	715860.97	7184442.10	62.00
11041	715854.75	7184459.87	62.00
11047	715847.35	7184479.16	62.00
11053	715852.40	7184495.31	62.00
11059	715868.81	7184484.82	62.00
11065	715881.50	7184470.86	62.00
11071	715884.10	7184454.19	61.00
11077	715889.27	7184435.32	61.00
11083	715892.80	7184415.99	61.00
11089	715888.02	7184396.65	61.00
11095	715876.71	7184381.17	61.00
11101	715863.51	7184389.71	61.00
11107	715861.19	7184408.30	61.00
11113	715859.92	7184427.25	61.00
11119	715858.91	7184446.34	61.00
11125	715851.30	7184464.07	61.00
11131	715846.60	7184481.70	61.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
11137	715851.59	7184498.31	61.00
11143	715869.09	7184488.62	61.00
11149	715881.83	7184475.40	61.00
11155	715883.82	7184458.33	61.00
11161	715889.91	7184449.61	59.00
11167	715895.24	7184430.36	59.00
11173	715896.96	7184409.06	59.00
11179	715890.88	7184389.54	59.00
11185	715882.78	7184372.46	59.00
11191	715866.16	7184370.52	59.00
11197	715859.80	7184389.16	59.00
11203	715858.69	7184408.46	59.00
11209	715857.79	7184427.57	59.00
11215	715856.21	7184446.66	59.00
11221	715848.03	7184463.88	59.00
11227	715843.67	7184482.38	59.00
11233	715846.57	7184500.70	59.00
11239	715864.89	7184501.25	59.00
11245	715880.08	7184488.33	59.00
11251	715887.22	7184470.92	59.00
11257	715893.72	7184445.17	58.00
11263	715898.09	7184423.58	58.00
11269	715900.49	7184403.52	58.00
11275	715892.46	7184385.50	58.00
11281	715883.80	7184368.95	58.00
11287	715866.38	7184364.54	58.00
11293	715859.63	7184382.41	58.00
11299	715856.23	7184400.49	58.00
11305	715857.68	7184419.38	58.00
11311	715855.86	7184438.05	58.00
11317	715850.17	7184456.66	58.00
11323	715843.98	7184474.30	58.00
11329	715842.24	7184492.56	58.00
11335	715852.73	7184506.10	58.00
11341	715871.00	7184501.57	58.00
11347	715882.83	7184487.00	58.00
11353	715889.53	7184468.65	58.00
11359	715894.58	7184453.25	57.00
11365	715898.54	7184433.71	57.00
11371	715902.84	7184412.25	57.00
11377	715899.48	7184392.84	57.00
11383	715887.95	7184372.22	57.00
11389	715874.25	7184359.47	57.00
11395	715861.43	7184368.68	57.00
11401	715855.68	7184386.68	57.00
11407	715856.67	7184404.90	57.00
11413	715856.40	7184423.53	57.00
11419	715853.68	7184442.01	57.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
11425	715847.26	7184459.79	57.00
11431	715842.35	7184478.14	57.00
11437	715841.98	7184496.87	57.00
11443	715855.40	7184507.78	57.00
11449	715873.60	7184503.91	57.00
11455	715884.81	7184487.85	57.00
11461	715891.30	7184470.49	57.00
11467	715899.34	7184441.36	56.00
11473	715902.93	7184422.77	56.00
11479	715904.80	7184402.70	56.00
11485	715898.66	7184384.91	56.00
11491	715888.34	7184366.43	56.00
11497	715873.27	7184353.50	56.00
11503	715860.55	7184358.77	56.00
11509	715856.72	7184378.44	56.00
11515	715851.00	7184397.03	56.00
11521	715855.92	7184414.72	56.00
11527	715853.81	7184434.21	56.00
11533	715849.01	7184452.08	56.00
11539	715842.99	7184469.79	56.00
11545	715840.65	7184488.53	56.00
11551	715844.60	7184506.85	56.00
11557	715863.41	7184510.72	56.00
11563	715878.69	7184500.48	56.00
11569	715889.05	7184483.01	56.00
11575	715895.95	7184465.13	56.00
11581	715901.33	7184451.85	54.00
11587	715904.69	7184433.42	54.00
11593	715908.30	7184414.11	54.00
11599	715910.54	7184394.13	54.00
11605	715900.63	7184377.79	54.00
11611	715892.21	7184360.47	54.00
11617	715879.54	7184345.64	54.00
11623	715861.64	7184342.87	54.00
11629	715855.02	7184360.63	54.00
11635	715852.18	7184380.36	54.00
11641	715848.69	7184399.25	54.00
11647	715854.01	7184416.50	54.00
11653	715851.26	7184435.79	54.00
11659	715846.07	7184454.40	54.00
11665	715840.47	7184472.58	54.00
11671	715837.55	7184491.09	54.00
11677	715838.13	7184509.76	54.00
11683	715854.87	7184515.69	54.00
11689	715873.55	7184515.55	54.00
11695	715885.26	7184500.45	54.00
11701	715894.03	7184482.69	54.00
11707	715901.84	7184467.66	53.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
11713	715903.42	7184448.42	53.00
11719	715907.51	7184428.77	53.00
11725	715911.96	7184409.55	53.00
11731	715913.05	7184390.92	53.00
11737	715902.85	7184373.88	53.00
11743	715894.31	7184356.23	53.00
11749	715883.17	7184340.37	53.00
11755	715863.97	7184337.28	53.00
11761	715855.24	7184353.21	53.00
11767	715850.05	7184372.05	53.00
11773	715846.63	7184392.26	53.00
11779	715852.98	7184409.28	53.00
11785	715850.08	7184428.38	53.00
11791	715846.81	7184447.26	53.00
11797	715840.90	7184465.58	53.00
11803	715837.04	7184484.11	53.00
11809	715836.28	7184503.59	53.00
11815	715844.29	7184513.75	53.00
11821	715862.01	7184520.65	53.00
11827	715879.01	7184516.05	53.00
11833	715889.23	7184499.14	53.00
11839	715897.12	7184481.27	53.00
11845	715904.22	7184465.91	52.00
11851	715905.99	7184447.10	52.00
11857	715910.40	7184427.38	52.00
11863	715914.50	7184408.48	52.00
11869	715915.94	7184390.21	52.00
11875	715906.79	7184372.80	52.00
11881	715896.70	7184355.35	52.00
11887	715885.62	7184338.72	52.00
11893	715867.20	7184332.18	52.00
11899	715854.23	7184345.26	52.00
11905	715849.95	7184364.49	52.00
11911	715846.09	7184383.93	52.00
11917	715847.01	7184402.08	52.00
11923	715850.87	7184420.02	52.00
11929	715847.05	7184439.03	52.00
11935	715841.99	7184457.46	52.00
11941	715836.99	7184475.46	52.00
11947	715835.56	7184494.67	52.00
11953	715830.56	7184513.68	52.00
11959	715816.40	7184526.20	52.00
11965	715834.53	7184518.52	52.00
11971	715853.14	7184519.56	52.00
11977	715872.14	7184523.35	52.00
11983	715887.21	7184511.67	52.00
11989	715895.59	7184493.00	52.00
11995	715908.39	7184445.75	51.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
12001	715914.48	7184426.87	51.00
12007	715920.07	7184406.95	51.00
12013	715919.16	7184387.74	51.00
12019	715908.85	7184369.70	51.00
12025	715898.29	7184353.13	51.00
12031	715886.20	7184335.94	51.00
12037	715869.29	7184325.89	51.00
12043	715855.60	7184337.94	51.00
12049	715847.92	7184355.98	51.00
12055	715845.00	7184376.09	51.00
12061	715844.02	7184395.51	51.00
12067	715849.72	7184413.65	51.00
12073	715846.96	7184433.32	51.00
12079	715843.05	7184451.65	51.00
12085	715837.23	7184469.61	51.00
12091	715834.49	7184488.29	51.00
12097	715831.97	7184507.07	51.00
12103	715818.89	7184520.20	51.00
12109	715820.58	7184529.44	51.00
12115	715837.15	7184521.16	51.00
12121	715856.19	7184523.10	51.00
12127	715875.37	7184524.27	51.00
12133	715891.08	7184514.29	51.00
12139	715897.92	7184495.48	51.00
12145	715904.83	7184476.64	51.00
12151	715907.34	7184457.28	51.00
12157	715927.17	7184453.49	51.00
12163	715923.14	7184442.26	51.00
12169	715929.36	7184423.25	51.00
12175	715922.41	7184460.45	47.00
12181	715918.81	7184446.49	47.00
12187	715926.02	7184428.12	47.00
12193	715929.23	7184462.76	48.00
12199	715916.50	7184467.66	48.00
12205	715916.43	7184448.37	48.00
12211	715921.85	7184429.57	48.00
12217	715927.32	7184410.61	48.00
12223	715769.58	7184480.89	26.00
12229	715769.79	7184461.84	26.00
12235	715769.70	7184442.34	26.00
12241	715772.02	7184426.07	26.00
12247	715775.36	7184474.29	27.00
12253	715775.25	7184454.37	27.00
12259	715773.48	7184434.33	27.00
12265	715769.89	7184491.88	28.00
12271	715779.41	7184475.21	28.00
12277	715779.16	7184455.36	28.00
12283	715784.02	7184435.35	28.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
12289	715789.60	7184417.40	28.00
12295	715791.43	7184400.47	28.00
12301	715778.90	7184485.70	29.00
12307	715784.42	7184467.93	29.00
12313	715785.25	7184447.66	29.00
12319	715790.69	7184429.11	29.00
12325	715792.55	7184409.25	29.00
12331	715770.70	7184503.91	31.00
12337	715783.67	7184489.49	31.00
12343	715792.69	7184472.71	31.00
12349	715792.14	7184452.73	31.00
12355	715795.11	7184432.74	31.00
12361	715799.02	7184413.00	31.00
12367	715803.86	7184392.20	31.00
12373	715806.65	7184373.61	31.00
12379	715808.86	7184352.40	31.00
12385	715808.75	7184331.99	31.00
12391	715812.04	7184313.26	31.00
12397	715819.38	7184296.68	31.00
12403	715816.68	7184278.18	31.00
12409	715825.41	7184262.09	31.00
12415	715841.05	7184250.52	31.00
12421	715889.07	7184244.15	32.00
12427	715869.10	7184248.96	32.00
12433	715848.80	7184251.58	32.00
12439	715831.46	7184260.74	32.00
12445	715817.84	7184272.96	32.00
12451	715820.71	7184291.28	32.00
12457	715817.33	7184309.79	32.00
12463	715809.96	7184327.46	32.00
12469	715812.19	7184347.07	32.00
12475	715808.39	7184367.52	32.00
12481	715807.99	7184386.38	32.00
12487	715805.11	7184405.88	32.00
12493	715800.11	7184424.92	32.00
12499	715797.14	7184444.80	32.00
12505	715795.13	7184464.51	32.00
12511	715793.19	7184482.81	32.00
12517	715780.88	7184498.24	32.00
12523	715770.22	7184513.01	33.00
12529	715783.41	7184498.76	33.00
12535	715796.61	7184484.20	33.00
12541	715800.03	7184465.44	33.00
12547	715802.13	7184446.43	33.00
12553	715810.60	7184428.51	33.00
12559	715812.03	7184409.35	33.00
12565	715813.47	7184389.66	33.00
12571	715809.02	7184371.16	33.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
12577	715815.90	7184352.98	33.00
12583	715814.87	7184332.79	33.00
12589	715818.24	7184313.88	33.00
12595	715826.86	7184297.32	33.00
12601	715819.63	7184279.34	33.00
12607	715827.73	7184265.00	33.00
12613	715844.90	7184256.80	33.00
12619	715864.39	7184254.85	33.00
12625	715884.89	7184253.64	33.00
12631	715900.67	7184245.90	33.00
12637	715909.80	7184247.51	34.00
12643	715893.04	7184257.99	34.00
12649	715873.33	7184261.04	34.00
12655	715853.87	7184258.77	34.00
12661	715835.49	7184264.97	34.00
12667	715819.41	7184272.52	34.00
12673	715828.57	7184289.30	34.00
12679	715824.63	7184306.87	34.00
12685	715816.28	7184324.61	34.00
12691	715818.00	7184344.04	34.00
12697	715816.50	7184363.93	34.00
12703	715816.21	7184385.12	34.00
12709	715814.78	7184404.38	34.00
12715	715817.73	7184423.88	34.00
12721	715810.52	7184441.26	34.00
12727	715805.34	7184459.55	34.00
12733	715802.49	7184478.56	34.00
12739	715791.23	7184493.80	34.00
12745	715777.58	7184508.52	34.00
12751	715785.97	7184602.49	31.00
12757	715779.21	7184615.02	31.00
12763	715779.23	7184630.51	31.00
12769	715777.62	7184646.47	31.00
12775	715772.71	7184647.34	31.00
12781	715786.69	7184591.47	31.00
12787	715773.30	7184577.89	31.00
12793	715799.97	7184609.19	33.00
12799	715801.36	7184621.89	33.00
12805	715803.77	7184630.63	33.00
12811	715799.84	7184650.37	33.00
12817	715787.90	7184666.64	33.00
12823	715782.92	7184684.11	33.00
12829	715785.32	7184703.29	33.00
12835	715778.95	7184710.11	33.00
12841	715767.92	7184695.27	33.00
12847	715838.56	7184599.08	37.00
12853	715854.80	7184602.85	37.00
12859	715859.56	7184617.02	37.00

MINERAIS DO PARANA S.A.

DADOS ORIGINAIS DE TOPOGRAFIA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Estaca	Coordenada LO	Coordenada NS	Cota
12865	715856.71	7184636.80	37.00
12871	715856.36	7184653.13	37.00
12877	715854.13	7184664.28	37.00
12883	715855.08	7184683.24	37.00
12889	715842.92	7184697.11	37.00
12895	715854.86	7184709.40	37.00
12901	715856.86	7184723.15	37.00
12907	715838.70	7184729.93	37.00
12913	715824.84	7184743.74	37.00
12919	715809.45	7184755.58	37.00
12925	715796.90	7184770.09	37.00
12931	715780.76	7184769.69	37.00
12937	715760.86	7184769.46	37.00

ANEXO IV. RELATÓRIO DO MODELO DIGITAL DO TERRENO.

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

COORDENADAS LIMITES DO MODELO DIGITAL DO TERRENO

Coordenada Leste...: 715930.00

Coordenada Oeste...: 715600.00

Coordenada Norte...:7185095.00

Coordenada Sul.....:7184240.00

Cota maxima.....: 78.59

Cota minima.....: 26.00

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0001	0001	715605.00	715600.00	7185095.00	7185080.00	54.82
0001	0002	715610.00	715605.00	7185095.00	7185080.00	55.32
0001	0003	715615.00	715610.00	7185095.00	7185080.00	56.76
0001	0004	715620.00	715615.00	7185095.00	7185080.00	58.96
0001	0005	715625.00	715620.00	7185095.00	7185080.00	61.02
0001	0006	715630.00	715625.00	7185095.00	7185080.00	63.83
0001	0007	715635.00	715630.00	7185095.00	7185080.00	65.37
0001	0008	715640.00	715635.00	7185095.00	7185080.00	67.55
0001	0009	715645.00	715640.00	7185095.00	7185080.00	69.33
0001	0010	715650.00	715645.00	7185095.00	7185080.00	69.44
0001	0011	715655.00	715650.00	7185095.00	7185080.00	69.06
0001	0012	715660.00	715655.00	7185095.00	7185080.00	69.90
0001	0013	715665.00	715660.00	7185095.00	7185080.00	68.17
0001	0014	715670.00	715665.00	7185095.00	7185080.00	68.15
0001	0015	715675.00	715670.00	7185095.00	7185080.00	66.25
0001	0016	715680.00	715675.00	7185095.00	7185080.00	64.99
0001	0017	715685.00	715680.00	7185095.00	7185080.00	63.03
0001	0018	715690.00	715685.00	7185095.00	7185080.00	61.38
0001	0019	715695.00	715690.00	7185095.00	7185080.00	58.94
0001	0020	715700.00	715695.00	7185095.00	7185080.00	56.71
0001	0021	715705.00	715700.00	7185095.00	7185080.00	54.39
0001	0022	715710.00	715705.00	7185095.00	7185080.00	52.88
0001	0023	715715.00	715710.00	7185095.00	7185080.00	51.58
0001	0024	715720.00	715715.00	7185095.00	7185080.00	50.01
0001	0025	715725.00	715720.00	7185095.00	7185080.00	48.28
0001	0026	715730.00	715725.00	7185095.00	7185080.00	47.77
0001	0027	715735.00	715730.00	7185095.00	7185080.00	46.24
0001	0028	715740.00	715735.00	7185095.00	7185080.00	46.26
0001	0029	715745.00	715740.00	7185095.00	7185080.00	45.27
0001	0030	715750.00	715745.00	7185095.00	7185080.00	43.97
0001	0031	715755.00	715750.00	7185095.00	7185080.00	43.95
0001	0032	715760.00	715755.00	7185095.00	7185080.00	43.70
0001	0033	715765.00	715760.00	7185095.00	7185080.00	42.69
0001	0034	715770.00	715765.00	7185095.00	7185080.00	41.98
0001	0035	715775.00	715770.00	7185095.00	7185080.00	41.08
0001	0036	715780.00	715775.00	7185095.00	7185080.00	41.23
0001	0037	715785.00	715780.00	7185095.00	7185080.00	41.54
0001	0038	715790.00	715785.00	7185095.00	7185080.00	43.11

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0001	0039	715795.00	715790.00	7185095.00	7185080.00	43.41
0001	0040	715800.00	715795.00	7185095.00	7185080.00	45.76
0001	0041	715805.00	715800.00	7185095.00	7185080.00	47.44
0001	0042	715810.00	715805.00	7185095.00	7185080.00	48.63
0001	0043	715815.00	715810.00	7185095.00	7185080.00	49.51
0001	0044	715820.00	715815.00	7185095.00	7185080.00	49.70
0001	0045	715825.00	715820.00	7185095.00	7185080.00	50.67
0001	0046	715830.00	715825.00	7185095.00	7185080.00	50.77
0001	0047	715835.00	715830.00	7185095.00	7185080.00	51.89
0001	0048	715840.00	715835.00	7185095.00	7185080.00	52.23
0001	0049	715845.00	715840.00	7185095.00	7185080.00	52.88
0001	0050	715850.00	715845.00	7185095.00	7185080.00	53.67
0001	0051	715855.00	715850.00	7185095.00	7185080.00	54.94
0001	0052	715860.00	715855.00	7185095.00	7185080.00	55.69
0001	0053	715865.00	715860.00	7185095.00	7185080.00	55.11
0001	0054	715870.00	715865.00	7185095.00	7185080.00	55.14
0001	0055	715875.00	715870.00	7185095.00	7185080.00	55.90
0001	0056	715880.00	715875.00	7185095.00	7185080.00	56.04
0001	0057	715885.00	715880.00	7185095.00	7185080.00	56.41
0001	0058	715890.00	715885.00	7185095.00	7185080.00	57.00
0002	0001	715605.00	715600.00	7185080.00	7185065.00	58.58
0002	0002	715610.00	715605.00	7185080.00	7185065.00	60.02
0002	0003	715615.00	715610.00	7185080.00	7185065.00	61.87
0002	0004	715620.00	715615.00	7185080.00	7185065.00	63.71
0002	0005	715625.00	715620.00	7185080.00	7185065.00	65.58
0002	0006	715630.00	715625.00	7185080.00	7185065.00	67.17
0002	0007	715635.00	715630.00	7185080.00	7185065.00	69.95
0002	0008	715640.00	715635.00	7185080.00	7185065.00	72.66
0002	0009	715645.00	715640.00	7185080.00	7185065.00	74.78
0002	0010	715650.00	715645.00	7185080.00	7185065.00	76.38
0002	0011	715655.00	715650.00	7185080.00	7185065.00	76.36
0002	0012	715660.00	715655.00	7185080.00	7185065.00	74.76
0002	0013	715665.00	715660.00	7185080.00	7185065.00	75.84
0002	0014	715670.00	715665.00	7185080.00	7185065.00	72.84
0002	0015	715675.00	715670.00	7185080.00	7185065.00	71.26
0002	0016	715680.00	715675.00	7185080.00	7185065.00	68.84
0002	0017	715685.00	715680.00	7185080.00	7185065.00	66.61
0002	0018	715690.00	715685.00	7185080.00	7185065.00	64.05

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0002	0019	715695.00	715690.00	7185080.00	7185065.00	61.11
0002	0020	715700.00	715695.00	7185080.00	7185065.00	57.97
0002	0021	715705.00	715700.00	7185080.00	7185065.00	55.04
0002	0022	715710.00	715705.00	7185080.00	7185065.00	53.54
0002	0023	715715.00	715710.00	7185080.00	7185065.00	52.67
0002	0024	715720.00	715715.00	7185080.00	7185065.00	51.55
0002	0025	715725.00	715720.00	7185080.00	7185065.00	50.87
0002	0026	715730.00	715725.00	7185080.00	7185065.00	50.00
0002	0027	715735.00	715730.00	7185080.00	7185065.00	49.33
0002	0028	715740.00	715735.00	7185080.00	7185065.00	48.40
0002	0029	715745.00	715740.00	7185080.00	7185065.00	47.92
0002	0030	715750.00	715745.00	7185080.00	7185065.00	46.54
0002	0031	715755.00	715750.00	7185080.00	7185065.00	45.81
0002	0032	715760.00	715755.00	7185080.00	7185065.00	45.12
0002	0033	715765.00	715760.00	7185080.00	7185065.00	43.89
0002	0034	715770.00	715765.00	7185080.00	7185065.00	42.95
0002	0035	715775.00	715770.00	7185080.00	7185065.00	41.74
0002	0036	715780.00	715775.00	7185080.00	7185065.00	41.16
0002	0037	715785.00	715780.00	7185080.00	7185065.00	41.25
0002	0038	715790.00	715785.00	7185080.00	7185065.00	42.08
0002	0039	715795.00	715790.00	7185080.00	7185065.00	42.94
0002	0040	715800.00	715795.00	7185080.00	7185065.00	44.03
0002	0041	715805.00	715800.00	7185080.00	7185065.00	45.01
0002	0042	715810.00	715805.00	7185080.00	7185065.00	46.01
0002	0043	715815.00	715810.00	7185080.00	7185065.00	46.42
0002	0044	715820.00	715815.00	7185080.00	7185065.00	47.00
0002	0045	715825.00	715820.00	7185080.00	7185065.00	47.55
0002	0046	715830.00	715825.00	7185080.00	7185065.00	48.71
0002	0047	715835.00	715830.00	7185080.00	7185065.00	49.31
0002	0048	715840.00	715835.00	7185080.00	7185065.00	50.30
0002	0049	715845.00	715840.00	7185080.00	7185065.00	50.74
0002	0050	715850.00	715845.00	7185080.00	7185065.00	51.69
0002	0051	715855.00	715850.00	7185080.00	7185065.00	51.39
0002	0052	715860.00	715855.00	7185080.00	7185065.00	51.31
0002	0053	715865.00	715860.00	7185080.00	7185065.00	51.33
0002	0054	715870.00	715865.00	7185080.00	7185065.00	52.01
0002	0055	715875.00	715870.00	7185080.00	7185065.00	52.52
0002	0056	715880.00	715875.00	7185080.00	7185065.00	52.98

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0002	0057	715885.00	715880.00	7185080.00	7185065.00	53.07
0003	0001	715605.00	715600.00	7185065.00	7185050.00	59.76
0003	0002	715610.00	715605.00	7185065.00	7185050.00	62.67
0003	0003	715615.00	715610.00	7185065.00	7185050.00	63.91
0003	0004	715620.00	715615.00	7185065.00	7185050.00	64.97
0003	0005	715625.00	715620.00	7185065.00	7185050.00	66.48
0003	0006	715630.00	715625.00	7185065.00	7185050.00	68.63
0003	0007	715635.00	715630.00	7185065.00	7185050.00	70.31
0003	0008	715640.00	715635.00	7185065.00	7185050.00	73.05
0003	0009	715645.00	715640.00	7185065.00	7185050.00	75.07
0003	0010	715650.00	715645.00	7185065.00	7185050.00	77.44
0003	0011	715655.00	715650.00	7185065.00	7185050.00	78.20
0003	0012	715660.00	715655.00	7185065.00	7185050.00	78.38
0003	0013	715665.00	715660.00	7185065.00	7185050.00	77.38
0003	0014	715670.00	715665.00	7185065.00	7185050.00	75.73
0003	0015	715675.00	715670.00	7185065.00	7185050.00	74.97
0003	0016	715680.00	715675.00	7185065.00	7185050.00	71.58
0003	0017	715685.00	715680.00	7185065.00	7185050.00	69.03
0003	0018	715690.00	715685.00	7185065.00	7185050.00	66.32
0003	0019	715695.00	715690.00	7185065.00	7185050.00	63.95
0003	0020	715700.00	715695.00	7185065.00	7185050.00	61.02
0003	0021	715705.00	715700.00	7185065.00	7185050.00	59.07
0003	0022	715710.00	715705.00	7185065.00	7185050.00	57.48
0003	0023	715715.00	715710.00	7185065.00	7185050.00	55.91
0003	0024	715720.00	715715.00	7185065.00	7185050.00	54.42
0003	0025	715725.00	715720.00	7185065.00	7185050.00	53.32
0003	0026	715730.00	715725.00	7185065.00	7185050.00	52.28
0003	0027	715735.00	715730.00	7185065.00	7185050.00	51.05
0003	0028	715740.00	715735.00	7185065.00	7185050.00	50.70
0003	0029	715745.00	715740.00	7185065.00	7185050.00	49.29
0003	0030	715750.00	715745.00	7185065.00	7185050.00	48.24
0003	0031	715755.00	715750.00	7185065.00	7185050.00	47.85
0003	0032	715760.00	715755.00	7185065.00	7185050.00	46.44
0003	0033	715765.00	715760.00	7185065.00	7185050.00	45.29
0003	0034	715770.00	715765.00	7185065.00	7185050.00	43.91
0003	0035	715775.00	715770.00	7185065.00	7185050.00	42.86
0003	0036	715780.00	715775.00	7185065.00	7185050.00	42.20
0003	0037	715785.00	715780.00	7185065.00	7185050.00	42.27

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0003	0038	715790.00	715785.00	7185065.00	7185050.00	42.34
0003	0039	715795.00	715790.00	7185065.00	7185050.00	42.57
0003	0040	715800.00	715795.00	7185065.00	7185050.00	42.92
0003	0041	715805.00	715800.00	7185065.00	7185050.00	43.31
0003	0042	715810.00	715805.00	7185065.00	7185050.00	44.01
0003	0043	715815.00	715810.00	7185065.00	7185050.00	44.73
0003	0044	715820.00	715815.00	7185065.00	7185050.00	45.52
0003	0045	715825.00	715820.00	7185065.00	7185050.00	46.60
0003	0046	715830.00	715825.00	7185065.00	7185050.00	47.02
0003	0047	715835.00	715830.00	7185065.00	7185050.00	47.86
0003	0048	715840.00	715835.00	7185065.00	7185050.00	48.52
0003	0049	715845.00	715840.00	7185065.00	7185050.00	48.85
0003	0050	715850.00	715845.00	7185065.00	7185050.00	49.22
0003	0051	715855.00	715850.00	7185065.00	7185050.00	49.11
0003	0052	715860.00	715855.00	7185065.00	7185050.00	48.99
0003	0053	715865.00	715860.00	7185065.00	7185050.00	49.06
0003	0054	715870.00	715865.00	7185065.00	7185050.00	49.67
0003	0055	715875.00	715870.00	7185065.00	7185050.00	49.99
0003	0056	715880.00	715875.00	7185065.00	7185050.00	49.92
0003	0057	715885.00	715880.00	7185065.00	7185050.00	49.75
0003	0058	715890.00	715885.00	7185065.00	7185050.00	50.00
0004	0009	715645.00	715640.00	7185050.00	7185035.00	78.00
0004	0010	715650.00	715645.00	7185050.00	7185035.00	78.50
0004	0011	715655.00	715650.00	7185050.00	7185035.00	78.59
0004	0012	715660.00	715655.00	7185050.00	7185035.00	78.55
0004	0013	715665.00	715660.00	7185050.00	7185035.00	78.24
0004	0014	715670.00	715665.00	7185050.00	7185035.00	77.21
0004	0015	715675.00	715670.00	7185050.00	7185035.00	76.40
0004	0016	715680.00	715675.00	7185050.00	7185035.00	73.88
0004	0017	715685.00	715680.00	7185050.00	7185035.00	71.38
0004	0018	715690.00	715685.00	7185050.00	7185035.00	69.74
0004	0019	715695.00	715690.00	7185050.00	7185035.00	67.58
0004	0020	715700.00	715695.00	7185050.00	7185035.00	65.09
0004	0021	715705.00	715700.00	7185050.00	7185035.00	63.29
0004	0022	715710.00	715705.00	7185050.00	7185035.00	61.06
0004	0023	715715.00	715710.00	7185050.00	7185035.00	58.83
0004	0024	715720.00	715715.00	7185050.00	7185035.00	56.77
0004	0025	715725.00	715720.00	7185050.00	7185035.00	54.72

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0004	0026	715730.00	715725.00	7185050.00	7185035.00	53.62
0004	0027	715735.00	715730.00	7185050.00	7185035.00	53.06
0004	0028	715740.00	715735.00	7185050.00	7185035.00	51.99
0004	0029	715745.00	715740.00	7185050.00	7185035.00	51.01
0004	0030	715750.00	715745.00	7185050.00	7185035.00	50.19
0004	0031	715755.00	715750.00	7185050.00	7185035.00	48.10
0004	0032	715760.00	715755.00	7185050.00	7185035.00	46.71
0004	0033	715765.00	715760.00	7185050.00	7185035.00	45.78
0004	0034	715770.00	715765.00	7185050.00	7185035.00	43.49
0004	0035	715775.00	715770.00	7185050.00	7185035.00	43.25
0004	0036	715780.00	715775.00	7185050.00	7185035.00	42.64
0004	0037	715785.00	715780.00	7185050.00	7185035.00	42.31
0004	0038	715790.00	715785.00	7185050.00	7185035.00	42.39
0004	0039	715795.00	715790.00	7185050.00	7185035.00	42.57
0004	0040	715800.00	715795.00	7185050.00	7185035.00	42.78
0004	0041	715805.00	715800.00	7185050.00	7185035.00	43.00
0004	0042	715810.00	715805.00	7185050.00	7185035.00	43.15
0004	0043	715815.00	715810.00	7185050.00	7185035.00	43.87
0004	0044	715820.00	715815.00	7185050.00	7185035.00	44.43
0004	0045	715825.00	715820.00	7185050.00	7185035.00	45.63
0004	0046	715830.00	715825.00	7185050.00	7185035.00	46.23
0004	0047	715835.00	715830.00	7185050.00	7185035.00	46.83
0004	0048	715840.00	715835.00	7185050.00	7185035.00	47.04
0004	0049	715845.00	715840.00	7185050.00	7185035.00	46.95
0004	0050	715850.00	715845.00	7185050.00	7185035.00	46.95
0004	0051	715855.00	715850.00	7185050.00	7185035.00	47.04
0004	0052	715860.00	715855.00	7185050.00	7185035.00	47.20
0004	0053	715865.00	715860.00	7185050.00	7185035.00	47.31
0004	0054	715870.00	715865.00	7185050.00	7185035.00	47.99
0004	0055	715875.00	715870.00	7185050.00	7185035.00	48.09
0004	0056	715880.00	715875.00	7185050.00	7185035.00	48.32
0004	0057	715885.00	715880.00	7185050.00	7185035.00	48.48
0004	0058	715890.00	715885.00	7185050.00	7185035.00	48.00
0005	0009	715645.00	715640.00	7185035.00	7185020.00	77.00
0005	0010	715650.00	715645.00	7185035.00	7185020.00	77.29
0005	0011	715655.00	715650.00	7185035.00	7185020.00	77.22
0005	0012	715660.00	715655.00	7185035.00	7185020.00	77.57
0005	0013	715665.00	715660.00	7185035.00	7185020.00	77.87

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0005	0014	715670.00	715665.00	7185035.00	7185020.00	77.48
0005	0015	715675.00	715670.00	7185035.00	7185020.00	76.68
0005	0016	715680.00	715675.00	7185035.00	7185020.00	77.87
0005	0017	715685.00	715680.00	7185035.00	7185020.00	74.57
0005	0018	715690.00	715685.00	7185035.00	7185020.00	73.27
0005	0019	715695.00	715690.00	7185035.00	7185020.00	71.06
0005	0020	715700.00	715695.00	7185035.00	7185020.00	70.16
0005	0021	715705.00	715700.00	7185035.00	7185020.00	67.90
0005	0022	715710.00	715705.00	7185035.00	7185020.00	65.84
0005	0023	715715.00	715710.00	7185035.00	7185020.00	63.34
0005	0024	715720.00	715715.00	7185035.00	7185020.00	61.30
0005	0025	715725.00	715720.00	7185035.00	7185020.00	59.13
0005	0026	715730.00	715725.00	7185035.00	7185020.00	57.37
0005	0027	715735.00	715730.00	7185035.00	7185020.00	55.97
0005	0028	715740.00	715735.00	7185035.00	7185020.00	53.79
0005	0029	715745.00	715740.00	7185035.00	7185020.00	52.46
0005	0030	715750.00	715745.00	7185035.00	7185020.00	51.68
0005	0031	715755.00	715750.00	7185035.00	7185020.00	49.98
0005	0032	715760.00	715755.00	7185035.00	7185020.00	47.97
0005	0033	715765.00	715760.00	7185035.00	7185020.00	46.95
0005	0034	715770.00	715765.00	7185035.00	7185020.00	46.09
0005	0035	715775.00	715770.00	7185035.00	7185020.00	45.32
0005	0036	715780.00	715775.00	7185035.00	7185020.00	44.02
0005	0037	715785.00	715780.00	7185035.00	7185020.00	43.00
0005	0038	715790.00	715785.00	7185035.00	7185020.00	42.79
0005	0039	715795.00	715790.00	7185035.00	7185020.00	42.62
0005	0040	715800.00	715795.00	7185035.00	7185020.00	42.95
0005	0041	715805.00	715800.00	7185035.00	7185020.00	42.98
0005	0042	715810.00	715805.00	7185035.00	7185020.00	42.95
0005	0043	715815.00	715810.00	7185035.00	7185020.00	43.63
0005	0044	715820.00	715815.00	7185035.00	7185020.00	44.50
0005	0045	715825.00	715820.00	7185035.00	7185020.00	44.56
0005	0046	715830.00	715825.00	7185035.00	7185020.00	44.68
0005	0047	715835.00	715830.00	7185035.00	7185020.00	45.33
0005	0048	715840.00	715835.00	7185035.00	7185020.00	45.88
0005	0049	715845.00	715840.00	7185035.00	7185020.00	46.24
0005	0050	715850.00	715845.00	7185035.00	7185020.00	46.67
0005	0051	715855.00	715850.00	7185035.00	7185020.00	47.05

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0005	0052	715860.00	715855.00	7185035.00	7185020.00	47.46
0005	0053	715865.00	715860.00	7185035.00	7185020.00	48.00
0005	0054	715870.00	715865.00	7185035.00	7185020.00	48.37
0005	0055	715875.00	715870.00	7185035.00	7185020.00	48.99
0005	0056	715880.00	715875.00	7185035.00	7185020.00	48.91
0005	0057	715885.00	715880.00	7185035.00	7185020.00	49.00
0005	0058	715890.00	715885.00	7185035.00	7185020.00	49.00
0006	0008	715640.00	715635.00	7185020.00	7185005.00	75.15
0006	0009	715645.00	715640.00	7185020.00	7185005.00	75.56
0006	0010	715650.00	715645.00	7185020.00	7185005.00	75.69
0006	0011	715655.00	715650.00	7185020.00	7185005.00	75.68
0006	0012	715660.00	715655.00	7185020.00	7185005.00	76.08
0006	0013	715665.00	715660.00	7185020.00	7185005.00	76.47
0006	0014	715670.00	715665.00	7185020.00	7185005.00	76.95
0006	0015	715675.00	715670.00	7185020.00	7185005.00	76.85
0006	0016	715680.00	715675.00	7185020.00	7185005.00	76.76
0006	0017	715685.00	715680.00	7185020.00	7185005.00	76.74
0006	0018	715690.00	715685.00	7185020.00	7185005.00	76.04
0006	0019	715695.00	715690.00	7185020.00	7185005.00	74.79
0006	0020	715700.00	715695.00	7185020.00	7185005.00	73.68
0006	0021	715705.00	715700.00	7185020.00	7185005.00	71.17
0006	0022	715710.00	715705.00	7185020.00	7185005.00	70.04
0006	0023	715715.00	715710.00	7185020.00	7185005.00	67.63
0006	0024	715720.00	715715.00	7185020.00	7185005.00	65.20
0006	0025	715725.00	715720.00	7185020.00	7185005.00	62.27
0006	0026	715730.00	715725.00	7185020.00	7185005.00	60.53
0006	0027	715735.00	715730.00	7185020.00	7185005.00	58.05
0006	0028	715740.00	715735.00	7185020.00	7185005.00	55.12
0006	0029	715745.00	715740.00	7185020.00	7185005.00	54.50
0006	0030	715750.00	715745.00	7185020.00	7185005.00	52.89
0006	0031	715755.00	715750.00	7185020.00	7185005.00	51.69
0006	0032	715760.00	715755.00	7185020.00	7185005.00	49.65
0006	0033	715765.00	715760.00	7185020.00	7185005.00	48.93
0006	0034	715770.00	715765.00	7185020.00	7185005.00	47.56
0006	0035	715775.00	715770.00	7185020.00	7185005.00	46.65
0006	0036	715780.00	715775.00	7185020.00	7185005.00	45.14
0006	0037	715785.00	715780.00	7185020.00	7185005.00	43.99
0006	0038	715790.00	715785.00	7185020.00	7185005.00	43.35

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0006	0039	715795.00	715790.00	7185020.00	7185005.00	43.13
0006	0040	715800.00	715795.00	7185020.00	7185005.00	43.14
0006	0041	715805.00	715800.00	7185020.00	7185005.00	43.12
0006	0042	715810.00	715805.00	7185020.00	7185005.00	43.34
0006	0043	715815.00	715810.00	7185020.00	7185005.00	43.72
0006	0044	715820.00	715815.00	7185020.00	7185005.00	44.15
0006	0045	715825.00	715820.00	7185020.00	7185005.00	44.17
0006	0046	715830.00	715825.00	7185020.00	7185005.00	45.67
0006	0047	715835.00	715830.00	7185020.00	7185005.00	46.00
0006	0048	715840.00	715835.00	7185020.00	7185005.00	46.47
0006	0049	715845.00	715840.00	7185020.00	7185005.00	46.71
0006	0050	715850.00	715845.00	7185020.00	7185005.00	47.54
0006	0051	715855.00	715850.00	7185020.00	7185005.00	48.02
0006	0052	715860.00	715855.00	7185020.00	7185005.00	48.72
0006	0053	715865.00	715860.00	7185020.00	7185005.00	48.84
0006	0054	715870.00	715865.00	7185020.00	7185005.00	48.76
0006	0055	715875.00	715870.00	7185020.00	7185005.00	49.00
0006	0056	715880.00	715875.00	7185020.00	7185005.00	49.00
0006	0057	715885.00	715880.00	7185020.00	7185005.00	49.00
0007	0008	715640.00	715635.00	7185005.00	7184990.00	74.00
0007	0009	715645.00	715640.00	7185005.00	7184990.00	74.00
0007	0010	715650.00	715645.00	7185005.00	7184990.00	73.45
0007	0011	715655.00	715650.00	7185005.00	7184990.00	73.67
0007	0012	715660.00	715655.00	7185005.00	7184990.00	73.80
0007	0013	715665.00	715660.00	7185005.00	7184990.00	74.30
0007	0014	715670.00	715665.00	7185005.00	7184990.00	74.33
0007	0015	715675.00	715670.00	7185005.00	7184990.00	74.56
0007	0016	715680.00	715675.00	7185005.00	7184990.00	74.88
0007	0017	715685.00	715680.00	7185005.00	7184990.00	75.07
0007	0018	715690.00	715685.00	7185005.00	7184990.00	75.17
0007	0019	715695.00	715690.00	7185005.00	7184990.00	74.71
0007	0020	715700.00	715695.00	7185005.00	7184990.00	73.78
0007	0021	715705.00	715700.00	7185005.00	7184990.00	73.34
0007	0022	715710.00	715705.00	7185005.00	7184990.00	71.91
0007	0023	715715.00	715710.00	7185005.00	7184990.00	69.93
0007	0024	715720.00	715715.00	7185005.00	7184990.00	68.78
0007	0025	715725.00	715720.00	7185005.00	7184990.00	65.75
0007	0026	715730.00	715725.00	7185005.00	7184990.00	64.25

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0007	0027	715735.00	715730.00	7185005.00	7184990.00	61.24
0007	0028	715740.00	715735.00	7185005.00	7184990.00	59.38
0007	0029	715745.00	715740.00	7185005.00	7184990.00	57.80
0007	0030	715750.00	715745.00	7185005.00	7184990.00	55.44
0007	0031	715755.00	715750.00	7185005.00	7184990.00	53.94
0007	0032	715760.00	715755.00	7185005.00	7184990.00	52.42
0007	0033	715765.00	715760.00	7185005.00	7184990.00	50.58
0007	0034	715770.00	715765.00	7185005.00	7184990.00	48.92
0007	0035	715775.00	715770.00	7185005.00	7184990.00	47.85
0007	0036	715780.00	715775.00	7185005.00	7184990.00	46.78
0007	0037	715785.00	715780.00	7185005.00	7184990.00	45.14
0007	0038	715790.00	715785.00	7185005.00	7184990.00	44.02
0007	0039	715795.00	715790.00	7185005.00	7184990.00	43.82
0007	0040	715800.00	715795.00	7185005.00	7184990.00	43.40
0007	0041	715805.00	715800.00	7185005.00	7184990.00	43.89
0007	0042	715810.00	715805.00	7185005.00	7184990.00	43.98
0007	0043	715815.00	715810.00	7185005.00	7184990.00	44.10
0007	0044	715820.00	715815.00	7185005.00	7184990.00	44.46
0007	0045	715825.00	715820.00	7185005.00	7184990.00	44.95
0007	0046	715830.00	715825.00	7185005.00	7184990.00	45.12
0007	0047	715835.00	715830.00	7185005.00	7184990.00	45.36
0007	0048	715840.00	715835.00	7185005.00	7184990.00	45.08
0007	0049	715845.00	715840.00	7185005.00	7184990.00	46.19
0007	0050	715850.00	715845.00	7185005.00	7184990.00	46.80
0007	0051	715855.00	715850.00	7185005.00	7184990.00	47.42
0007	0052	715860.00	715855.00	7185005.00	7184990.00	47.99
0007	0053	715865.00	715860.00	7185005.00	7184990.00	47.99
0007	0054	715870.00	715865.00	7185005.00	7184990.00	48.64
0007	0055	715875.00	715870.00	7185005.00	7184990.00	48.68
0007	0056	715880.00	715875.00	7185005.00	7184990.00	48.56
0007	0057	715885.00	715880.00	7185005.00	7184990.00	48.45
0007	0058	715890.00	715885.00	7185005.00	7184990.00	48.00
0008	0009	715645.00	715640.00	7184990.00	7184975.00	71.03
0008	0010	715650.00	715645.00	7184990.00	7184975.00	71.31
0008	0011	715655.00	715650.00	7184990.00	7184975.00	71.43
0008	0012	715660.00	715655.00	7184990.00	7184975.00	71.82
0008	0013	715665.00	715660.00	7184990.00	7184975.00	72.05
0008	0014	715670.00	715665.00	7184990.00	7184975.00	72.13

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0008	0015	715675.00	715670.00	7184990.00	7184975.00	72.21
0008	0016	715680.00	715675.00	7184990.00	7184975.00	72.64
0008	0017	715685.00	715680.00	7184990.00	7184975.00	72.96
0008	0018	715690.00	715685.00	7184990.00	7184975.00	73.23
0008	0019	715695.00	715690.00	7184990.00	7184975.00	72.86
0008	0020	715700.00	715695.00	7184990.00	7184975.00	72.83
0008	0021	715705.00	715700.00	7184990.00	7184975.00	72.55
0008	0022	715710.00	715705.00	7184990.00	7184975.00	71.96
0008	0023	715715.00	715710.00	7184990.00	7184975.00	71.72
0008	0024	715720.00	715715.00	7184990.00	7184975.00	69.28
0008	0025	715725.00	715720.00	7184990.00	7184975.00	68.64
0008	0026	715730.00	715725.00	7184990.00	7184975.00	66.37
0008	0027	715735.00	715730.00	7184990.00	7184975.00	63.97
0008	0028	715740.00	715735.00	7184990.00	7184975.00	62.19
0008	0029	715745.00	715740.00	7184990.00	7184975.00	60.57
0008	0030	715750.00	715745.00	7184990.00	7184975.00	58.78
0008	0031	715755.00	715750.00	7184990.00	7184975.00	57.60
0008	0032	715760.00	715755.00	7184990.00	7184975.00	55.05
0008	0033	715765.00	715760.00	7184990.00	7184975.00	53.96
0008	0034	715770.00	715765.00	7184990.00	7184975.00	52.29
0008	0035	715775.00	715770.00	7184990.00	7184975.00	50.38
0008	0036	715780.00	715775.00	7184990.00	7184975.00	49.01
0008	0037	715785.00	715780.00	7184990.00	7184975.00	48.23
0008	0038	715790.00	715785.00	7184990.00	7184975.00	47.11
0008	0039	715795.00	715790.00	7184990.00	7184975.00	46.17
0008	0040	715800.00	715795.00	7184990.00	7184975.00	44.61
0008	0041	715805.00	715800.00	7184990.00	7184975.00	44.10
0008	0042	715810.00	715805.00	7184990.00	7184975.00	44.24
0008	0043	715815.00	715810.00	7184990.00	7184975.00	44.80
0008	0044	715820.00	715815.00	7184990.00	7184975.00	44.90
0008	0045	715825.00	715820.00	7184990.00	7184975.00	45.00
0008	0046	715830.00	715825.00	7184990.00	7184975.00	45.22
0008	0047	715835.00	715830.00	7184990.00	7184975.00	45.50
0008	0048	715840.00	715835.00	7184990.00	7184975.00	45.77
0008	0049	715845.00	715840.00	7184990.00	7184975.00	46.00
0008	0050	715850.00	715845.00	7184990.00	7184975.00	46.36
0008	0051	715855.00	715850.00	7184990.00	7184975.00	46.37
0008	0052	715860.00	715855.00	7184990.00	7184975.00	46.26

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0008	0053	715865.00	715860.00	7184990.00	7184975.00	46.74
0008	0054	715870.00	715865.00	7184990.00	7184975.00	47.19
0008	0055	715875.00	715870.00	7184990.00	7184975.00	47.54
0008	0056	715880.00	715875.00	7184990.00	7184975.00	47.83
0008	0057	715885.00	715880.00	7184990.00	7184975.00	47.65
0008	0058	715890.00	715885.00	7184990.00	7184975.00	48.00
0009	0008	715640.00	715635.00	7184975.00	7184960.00	70.00
0009	0009	715645.00	715640.00	7184975.00	7184960.00	69.65
0009	0010	715650.00	715645.00	7184975.00	7184960.00	69.74
0009	0011	715655.00	715650.00	7184975.00	7184960.00	69.55
0009	0012	715660.00	715655.00	7184975.00	7184960.00	69.45
0009	0013	715665.00	715660.00	7184975.00	7184960.00	69.99
0009	0014	715670.00	715665.00	7184975.00	7184960.00	70.39
0009	0015	715675.00	715670.00	7184975.00	7184960.00	70.30
0009	0016	715680.00	715675.00	7184975.00	7184960.00	70.31
0009	0017	715685.00	715680.00	7184975.00	7184960.00	71.01
0009	0018	715690.00	715685.00	7184975.00	7184960.00	71.04
0009	0019	715695.00	715690.00	7184975.00	7184960.00	71.01
0009	0020	715700.00	715695.00	7184975.00	7184960.00	70.65
0009	0021	715705.00	715700.00	7184975.00	7184960.00	70.60
0009	0022	715710.00	715705.00	7184975.00	7184960.00	70.36
0009	0023	715715.00	715710.00	7184975.00	7184960.00	70.00
0009	0024	715720.00	715715.00	7184975.00	7184960.00	69.26
0009	0025	715725.00	715720.00	7184975.00	7184960.00	68.56
0009	0026	715730.00	715725.00	7184975.00	7184960.00	67.15
0009	0027	715735.00	715730.00	7184975.00	7184960.00	66.36
0009	0028	715740.00	715735.00	7184975.00	7184960.00	64.48
0009	0029	715745.00	715740.00	7184975.00	7184960.00	62.86
0009	0030	715750.00	715745.00	7184975.00	7184960.00	61.85
0009	0031	715755.00	715750.00	7184975.00	7184960.00	59.73
0009	0032	715760.00	715755.00	7184975.00	7184960.00	58.03
0009	0033	715765.00	715760.00	7184975.00	7184960.00	56.35
0009	0034	715770.00	715765.00	7184975.00	7184960.00	54.58
0009	0035	715775.00	715770.00	7184975.00	7184960.00	53.11
0009	0036	715780.00	715775.00	7184975.00	7184960.00	51.46
0009	0037	715785.00	715780.00	7184975.00	7184960.00	49.76
0009	0038	715790.00	715785.00	7184975.00	7184960.00	48.56
0009	0039	715795.00	715790.00	7184975.00	7184960.00	47.79

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0009	0040	715800.00	715795.00	7184975.00	7184960.00	46.85
0009	0041	715805.00	715800.00	7184975.00	7184960.00	46.07
0009	0042	715810.00	715805.00	7184975.00	7184960.00	45.77
0009	0043	715815.00	715810.00	7184975.00	7184960.00	45.36
0009	0044	715820.00	715815.00	7184975.00	7184960.00	45.36
0009	0045	715825.00	715820.00	7184975.00	7184960.00	45.33
0009	0046	715830.00	715825.00	7184975.00	7184960.00	45.76
0009	0047	715835.00	715830.00	7184975.00	7184960.00	45.90
0009	0048	715840.00	715835.00	7184975.00	7184960.00	45.92
0009	0049	715845.00	715840.00	7184975.00	7184960.00	46.14
0009	0050	715850.00	715845.00	7184975.00	7184960.00	46.36
0009	0051	715855.00	715850.00	7184975.00	7184960.00	46.79
0009	0052	715860.00	715855.00	7184975.00	7184960.00	46.97
0009	0053	715865.00	715860.00	7184975.00	7184960.00	47.31
0009	0054	715870.00	715865.00	7184975.00	7184960.00	47.99
0009	0055	715875.00	715870.00	7184975.00	7184960.00	47.57
0009	0056	715880.00	715875.00	7184975.00	7184960.00	47.36
0009	0057	715885.00	715880.00	7184975.00	7184960.00	47.00
0010	0009	715645.00	715640.00	7184960.00	7184945.00	66.62
0010	0010	715650.00	715645.00	7184960.00	7184945.00	66.93
0010	0011	715655.00	715650.00	7184960.00	7184945.00	67.13
0010	0012	715660.00	715655.00	7184960.00	7184945.00	67.20
0010	0013	715665.00	715660.00	7184960.00	7184945.00	67.59
0010	0014	715670.00	715665.00	7184960.00	7184945.00	68.39
0010	0015	715675.00	715670.00	7184960.00	7184945.00	68.53
0010	0016	715680.00	715675.00	7184960.00	7184945.00	68.64
0010	0017	715685.00	715680.00	7184960.00	7184945.00	68.44
0010	0018	715690.00	715685.00	7184960.00	7184945.00	68.40
0010	0019	715695.00	715690.00	7184960.00	7184945.00	68.91
0010	0020	715700.00	715695.00	7184960.00	7184945.00	68.90
0010	0021	715705.00	715700.00	7184960.00	7184945.00	68.71
0010	0022	715710.00	715705.00	7184960.00	7184945.00	68.97
0010	0023	715715.00	715710.00	7184960.00	7184945.00	68.25
0010	0024	715720.00	715715.00	7184960.00	7184945.00	67.71
0010	0025	715725.00	715720.00	7184960.00	7184945.00	67.38
0010	0026	715730.00	715725.00	7184960.00	7184945.00	67.01
0010	0027	715735.00	715730.00	7184960.00	7184945.00	66.21
0010	0028	715740.00	715735.00	7184960.00	7184945.00	65.74

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0010	0029	715745.00	715740.00	7184960.00	7184945.00	64.26
0010	0030	715750.00	715745.00	7184960.00	7184945.00	63.20
0010	0031	715755.00	715750.00	7184960.00	7184945.00	62.03
0010	0032	715760.00	715755.00	7184960.00	7184945.00	59.36
0010	0033	715765.00	715760.00	7184960.00	7184945.00	58.14
0010	0034	715770.00	715765.00	7184960.00	7184945.00	56.31
0010	0035	715775.00	715770.00	7184960.00	7184945.00	55.04
0010	0036	715780.00	715775.00	7184960.00	7184945.00	53.81
0010	0037	715785.00	715780.00	7184960.00	7184945.00	52.30
0010	0038	715790.00	715785.00	7184960.00	7184945.00	50.63
0010	0039	715795.00	715790.00	7184960.00	7184945.00	49.05
0010	0040	715800.00	715795.00	7184960.00	7184945.00	48.02
0010	0041	715805.00	715800.00	7184960.00	7184945.00	47.42
0010	0042	715810.00	715805.00	7184960.00	7184945.00	46.42
0010	0043	715815.00	715810.00	7184960.00	7184945.00	45.65
0010	0044	715820.00	715815.00	7184960.00	7184945.00	45.25
0010	0045	715825.00	715820.00	7184960.00	7184945.00	45.13
0010	0046	715830.00	715825.00	7184960.00	7184945.00	45.30
0010	0047	715835.00	715830.00	7184960.00	7184945.00	45.55
0010	0048	715840.00	715835.00	7184960.00	7184945.00	45.78
0010	0049	715845.00	715840.00	7184960.00	7184945.00	46.00
0010	0050	715850.00	715845.00	7184960.00	7184945.00	46.07
0010	0051	715855.00	715850.00	7184960.00	7184945.00	46.11
0010	0052	715860.00	715855.00	7184960.00	7184945.00	46.33
0010	0053	715865.00	715860.00	7184960.00	7184945.00	46.69
0010	0054	715870.00	715865.00	7184960.00	7184945.00	46.98
0010	0055	715875.00	715870.00	7184960.00	7184945.00	47.10
0010	0056	715880.00	715875.00	7184960.00	7184945.00	47.00
0010	0057	715885.00	715880.00	7184960.00	7184945.00	47.00
0011	0008	715640.00	715635.00	7184945.00	7184930.00	64.40
0011	0009	715645.00	715640.00	7184945.00	7184930.00	64.12
0011	0010	715650.00	715645.00	7184945.00	7184930.00	64.19
0011	0011	715655.00	715650.00	7184945.00	7184930.00	64.61
0011	0012	715660.00	715655.00	7184945.00	7184930.00	65.16
0011	0013	715665.00	715660.00	7184945.00	7184930.00	65.78
0011	0014	715670.00	715665.00	7184945.00	7184930.00	66.27
0011	0015	715675.00	715670.00	7184945.00	7184930.00	66.65
0011	0016	715680.00	715675.00	7184945.00	7184930.00	66.33

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0011	0017	715685.00	715680.00	7184945.00	7184930.00	66.48
0011	0018	715690.00	715685.00	7184945.00	7184930.00	66.97
0011	0019	715695.00	715690.00	7184945.00	7184930.00	66.94
0011	0020	715700.00	715695.00	7184945.00	7184930.00	66.64
0011	0021	715705.00	715700.00	7184945.00	7184930.00	66.47
0011	0022	715710.00	715705.00	7184945.00	7184930.00	66.70
0011	0023	715715.00	715710.00	7184945.00	7184930.00	66.59
0011	0024	715720.00	715715.00	7184945.00	7184930.00	65.96
0011	0025	715725.00	715720.00	7184945.00	7184930.00	65.31
0011	0026	715730.00	715725.00	7184945.00	7184930.00	65.15
0011	0027	715735.00	715730.00	7184945.00	7184930.00	64.49
0011	0028	715740.00	715735.00	7184945.00	7184930.00	64.04
0011	0029	715745.00	715740.00	7184945.00	7184930.00	63.91
0011	0030	715750.00	715745.00	7184945.00	7184930.00	63.83
0011	0031	715755.00	715750.00	7184945.00	7184930.00	63.01
0011	0032	715760.00	715755.00	7184945.00	7184930.00	61.54
0011	0033	715765.00	715760.00	7184945.00	7184930.00	60.10
0011	0034	715770.00	715765.00	7184945.00	7184930.00	58.99
0011	0035	715775.00	715770.00	7184945.00	7184930.00	57.34
0011	0036	715780.00	715775.00	7184945.00	7184930.00	55.81
0011	0037	715785.00	715780.00	7184945.00	7184930.00	53.92
0011	0038	715790.00	715785.00	7184945.00	7184930.00	52.03
0011	0039	715795.00	715790.00	7184945.00	7184930.00	50.79
0011	0040	715800.00	715795.00	7184945.00	7184930.00	49.06
0011	0041	715805.00	715800.00	7184945.00	7184930.00	47.93
0011	0042	715810.00	715805.00	7184945.00	7184930.00	46.91
0011	0043	715815.00	715810.00	7184945.00	7184930.00	46.28
0011	0044	715820.00	715815.00	7184945.00	7184930.00	45.46
0011	0045	715825.00	715820.00	7184945.00	7184930.00	45.30
0011	0046	715830.00	715825.00	7184945.00	7184930.00	45.63
0011	0047	715835.00	715830.00	7184945.00	7184930.00	45.84
0011	0048	715840.00	715835.00	7184945.00	7184930.00	46.00
0011	0049	715845.00	715840.00	7184945.00	7184930.00	46.00
0011	0050	715850.00	715845.00	7184945.00	7184930.00	46.23
0011	0051	715855.00	715850.00	7184945.00	7184930.00	46.56
0011	0052	715860.00	715855.00	7184945.00	7184930.00	46.66
0011	0053	715865.00	715860.00	7184945.00	7184930.00	46.84
0011	0054	715870.00	715865.00	7184945.00	7184930.00	46.88

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0011	0055	715875.00	715870.00	7184945.00	7184930.00	47.00
0011	0056	715880.00	715875.00	7184945.00	7184930.00	47.00
0012	0008	715640.00	715635.00	7184930.00	7184915.00	60.29
0012	0009	715645.00	715640.00	7184930.00	7184915.00	61.60
0012	0010	715650.00	715645.00	7184930.00	7184915.00	61.77
0012	0011	715655.00	715650.00	7184930.00	7184915.00	61.96
0012	0012	715660.00	715655.00	7184930.00	7184915.00	61.91
0012	0013	715665.00	715660.00	7184930.00	7184915.00	62.36
0012	0014	715670.00	715665.00	7184930.00	7184915.00	62.35
0012	0015	715675.00	715670.00	7184930.00	7184915.00	62.98
0012	0016	715680.00	715675.00	7184930.00	7184915.00	62.95
0012	0017	715685.00	715680.00	7184930.00	7184915.00	63.38
0012	0018	715690.00	715685.00	7184930.00	7184915.00	63.35
0012	0019	715695.00	715690.00	7184930.00	7184915.00	63.35
0012	0020	715700.00	715695.00	7184930.00	7184915.00	63.84
0012	0021	715705.00	715700.00	7184930.00	7184915.00	63.97
0012	0022	715710.00	715705.00	7184930.00	7184915.00	63.48
0012	0023	715715.00	715710.00	7184930.00	7184915.00	63.36
0012	0024	715720.00	715715.00	7184930.00	7184915.00	63.26
0012	0025	715725.00	715720.00	7184930.00	7184915.00	63.17
0012	0026	715730.00	715725.00	7184930.00	7184915.00	62.94
0012	0027	715735.00	715730.00	7184930.00	7184915.00	62.66
0012	0028	715740.00	715735.00	7184930.00	7184915.00	62.56
0012	0029	715745.00	715740.00	7184930.00	7184915.00	63.04
0012	0030	715750.00	715745.00	7184930.00	7184915.00	63.42
0012	0031	715755.00	715750.00	7184930.00	7184915.00	63.42
0012	0032	715760.00	715755.00	7184930.00	7184915.00	63.68
0012	0033	715765.00	715760.00	7184930.00	7184915.00	62.91
0012	0034	715770.00	715765.00	7184930.00	7184915.00	61.71
0012	0035	715775.00	715770.00	7184930.00	7184915.00	60.08
0012	0036	715780.00	715775.00	7184930.00	7184915.00	57.92
0012	0037	715785.00	715780.00	7184930.00	7184915.00	56.23
0012	0038	715790.00	715785.00	7184930.00	7184915.00	53.56
0012	0039	715795.00	715790.00	7184930.00	7184915.00	51.28
0012	0040	715800.00	715795.00	7184930.00	7184915.00	51.24
0012	0041	715805.00	715800.00	7184930.00	7184915.00	49.92
0012	0042	715810.00	715805.00	7184930.00	7184915.00	48.26
0012	0043	715815.00	715810.00	7184930.00	7184915.00	47.63

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0012	0044	715820.00	715815.00	7184930.00	7184915.00	46.92
0012	0045	715825.00	715820.00	7184930.00	7184915.00	46.37
0012	0046	715830.00	715825.00	7184930.00	7184915.00	46.06
0012	0047	715835.00	715830.00	7184930.00	7184915.00	46.00
0012	0048	715840.00	715835.00	7184930.00	7184915.00	46.00
0012	0049	715845.00	715840.00	7184930.00	7184915.00	47.00
0012	0050	715850.00	715845.00	7184930.00	7184915.00	47.00
0012	0051	715855.00	715850.00	7184930.00	7184915.00	47.00
0012	0052	715860.00	715855.00	7184930.00	7184915.00	47.00
0012	0053	715865.00	715860.00	7184930.00	7184915.00	47.00
0012	0054	715870.00	715865.00	7184930.00	7184915.00	47.00
0013	0007	715635.00	715630.00	7184915.00	7184900.00	58.00
0013	0008	715640.00	715635.00	7184915.00	7184900.00	58.00
0013	0009	715645.00	715640.00	7184915.00	7184900.00	57.74
0013	0010	715650.00	715645.00	7184915.00	7184900.00	58.04
0013	0011	715655.00	715650.00	7184915.00	7184900.00	58.19
0013	0012	715660.00	715655.00	7184915.00	7184900.00	58.73
0013	0013	715665.00	715660.00	7184915.00	7184900.00	58.36
0013	0014	715670.00	715665.00	7184915.00	7184900.00	58.66
0013	0015	715675.00	715670.00	7184915.00	7184900.00	59.02
0013	0016	715680.00	715675.00	7184915.00	7184900.00	59.04
0013	0017	715685.00	715680.00	7184915.00	7184900.00	59.33
0013	0018	715690.00	715685.00	7184915.00	7184900.00	59.87
0013	0019	715695.00	715690.00	7184915.00	7184900.00	60.09
0013	0020	715700.00	715695.00	7184915.00	7184900.00	60.67
0013	0021	715705.00	715700.00	7184915.00	7184900.00	60.75
0013	0022	715710.00	715705.00	7184915.00	7184900.00	60.89
0013	0023	715715.00	715710.00	7184915.00	7184900.00	60.41
0013	0024	715720.00	715715.00	7184915.00	7184900.00	60.47
0013	0025	715725.00	715720.00	7184915.00	7184900.00	60.44
0013	0026	715730.00	715725.00	7184915.00	7184900.00	60.14
0013	0027	715735.00	715730.00	7184915.00	7184900.00	60.10
0013	0028	715740.00	715735.00	7184915.00	7184900.00	60.51
0013	0029	715745.00	715740.00	7184915.00	7184900.00	61.48
0013	0030	715750.00	715745.00	7184915.00	7184900.00	62.71
0013	0031	715755.00	715750.00	7184915.00	7184900.00	63.37
0013	0032	715760.00	715755.00	7184915.00	7184900.00	63.44
0013	0033	715765.00	715760.00	7184915.00	7184900.00	63.27

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0013	0034	715770.00	715765.00	7184915.00	7184900.00	63.54
0013	0035	715775.00	715770.00	7184915.00	7184900.00	61.93
0013	0036	715780.00	715775.00	7184915.00	7184900.00	60.56
0013	0037	715785.00	715780.00	7184915.00	7184900.00	58.19
0013	0038	715790.00	715785.00	7184915.00	7184900.00	56.94
0013	0039	715795.00	715790.00	7184915.00	7184900.00	55.54
0013	0040	715800.00	715795.00	7184915.00	7184900.00	54.19
0013	0041	715805.00	715800.00	7184915.00	7184900.00	52.88
0013	0042	715810.00	715805.00	7184915.00	7184900.00	51.39
0013	0043	715815.00	715810.00	7184915.00	7184900.00	50.24
0013	0044	715820.00	715815.00	7184915.00	7184900.00	48.19
0013	0045	715825.00	715820.00	7184915.00	7184900.00	47.48
0013	0046	715830.00	715825.00	7184915.00	7184900.00	46.55
0013	0047	715835.00	715830.00	7184915.00	7184900.00	46.36
0013	0048	715840.00	715835.00	7184915.00	7184900.00	46.36
0013	0049	715845.00	715840.00	7184915.00	7184900.00	46.71
0013	0050	715850.00	715845.00	7184915.00	7184900.00	47.00
0013	0051	715855.00	715850.00	7184915.00	7184900.00	47.00
0013	0052	715860.00	715855.00	7184915.00	7184900.00	47.00
0013	0053	715865.00	715860.00	7184915.00	7184900.00	47.00
0014	0009	715645.00	715640.00	7184900.00	7184885.00	56.70
0014	0010	715650.00	715645.00	7184900.00	7184885.00	56.46
0014	0011	715655.00	715650.00	7184900.00	7184885.00	56.70
0014	0012	715660.00	715655.00	7184900.00	7184885.00	56.80
0014	0013	715665.00	715660.00	7184900.00	7184885.00	56.87
0014	0014	715670.00	715665.00	7184900.00	7184885.00	56.63
0014	0015	715675.00	715670.00	7184900.00	7184885.00	56.48
0014	0016	715680.00	715675.00	7184900.00	7184885.00	56.96
0014	0017	715685.00	715680.00	7184900.00	7184885.00	57.19
0014	0018	715690.00	715685.00	7184900.00	7184885.00	57.68
0014	0019	715695.00	715690.00	7184900.00	7184885.00	58.26
0014	0020	715700.00	715695.00	7184900.00	7184885.00	58.56
0014	0021	715705.00	715700.00	7184900.00	7184885.00	58.31
0014	0022	715710.00	715705.00	7184900.00	7184885.00	58.30
0014	0023	715715.00	715710.00	7184900.00	7184885.00	58.34
0014	0024	715720.00	715715.00	7184900.00	7184885.00	58.50
0014	0025	715725.00	715720.00	7184900.00	7184885.00	57.98
0014	0026	715730.00	715725.00	7184900.00	7184885.00	57.86

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0014	0027	715735.00	715730.00	7184900.00	7184885.00	58.00
0014	0028	715740.00	715735.00	7184900.00	7184885.00	58.34
0014	0029	715745.00	715740.00	7184900.00	7184885.00	59.55
0014	0030	715750.00	715745.00	7184900.00	7184885.00	60.75
0014	0031	715755.00	715750.00	7184900.00	7184885.00	61.68
0014	0032	715760.00	715755.00	7184900.00	7184885.00	62.80
0014	0033	715765.00	715760.00	7184900.00	7184885.00	63.89
0014	0034	715770.00	715765.00	7184900.00	7184885.00	63.08
0014	0035	715775.00	715770.00	7184900.00	7184885.00	62.74
0014	0036	715780.00	715775.00	7184900.00	7184885.00	61.74
0014	0037	715785.00	715780.00	7184900.00	7184885.00	60.98
0014	0038	715790.00	715785.00	7184900.00	7184885.00	59.93
0014	0039	715795.00	715790.00	7184900.00	7184885.00	58.40
0014	0040	715800.00	715795.00	7184900.00	7184885.00	57.16
0014	0041	715805.00	715800.00	7184900.00	7184885.00	55.97
0014	0042	715810.00	715805.00	7184900.00	7184885.00	54.37
0014	0043	715815.00	715810.00	7184900.00	7184885.00	52.49
0014	0044	715820.00	715815.00	7184900.00	7184885.00	50.92
0014	0045	715825.00	715820.00	7184900.00	7184885.00	49.66
0014	0046	715830.00	715825.00	7184900.00	7184885.00	47.64
0014	0047	715835.00	715830.00	7184900.00	7184885.00	47.12
0014	0048	715840.00	715835.00	7184900.00	7184885.00	47.07
0014	0049	715845.00	715840.00	7184900.00	7184885.00	46.72
0014	0050	715850.00	715845.00	7184900.00	7184885.00	47.00
0014	0051	715855.00	715850.00	7184900.00	7184885.00	47.00
0014	0052	715860.00	715855.00	7184900.00	7184885.00	47.00
0014	0053	715865.00	715860.00	7184900.00	7184885.00	47.37
0014	0054	715870.00	715865.00	7184900.00	7184885.00	48.00
0014	0055	715875.00	715870.00	7184900.00	7184885.00	48.00
0014	0056	715880.00	715875.00	7184900.00	7184885.00	48.00
0015	0014	715670.00	715665.00	7184885.00	7184870.00	56.00
0015	0015	715675.00	715670.00	7184885.00	7184870.00	56.00
0015	0017	715685.00	715680.00	7184885.00	7184870.00	57.00
0015	0021	715705.00	715700.00	7184885.00	7184870.00	58.00
0015	0024	715720.00	715715.00	7184885.00	7184870.00	56.00
0015	0025	715725.00	715720.00	7184885.00	7184870.00	56.15
0015	0026	715730.00	715725.00	7184885.00	7184870.00	55.96
0015	0027	715735.00	715730.00	7184885.00	7184870.00	56.29

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0015	0028	715740.00	715735.00	7184885.00	7184870.00	56.65
0015	0029	715745.00	715740.00	7184885.00	7184870.00	57.32
0015	0030	715750.00	715745.00	7184885.00	7184870.00	57.97
0015	0031	715755.00	715750.00	7184885.00	7184870.00	58.67
0015	0032	715760.00	715755.00	7184885.00	7184870.00	59.63
0015	0033	715765.00	715760.00	7184885.00	7184870.00	60.95
0015	0034	715770.00	715765.00	7184885.00	7184870.00	60.70
0015	0035	715775.00	715770.00	7184885.00	7184870.00	61.00
0015	0036	715780.00	715775.00	7184885.00	7184870.00	61.11
0015	0037	715785.00	715780.00	7184885.00	7184870.00	59.93
0015	0038	715790.00	715785.00	7184885.00	7184870.00	58.47
0015	0039	715795.00	715790.00	7184885.00	7184870.00	57.50
0015	0040	715800.00	715795.00	7184885.00	7184870.00	56.98
0015	0041	715805.00	715800.00	7184885.00	7184870.00	55.43
0015	0042	715810.00	715805.00	7184885.00	7184870.00	53.48
0015	0043	715815.00	715810.00	7184885.00	7184870.00	52.57
0015	0044	715820.00	715815.00	7184885.00	7184870.00	51.20
0015	0045	715825.00	715820.00	7184885.00	7184870.00	49.79
0015	0046	715830.00	715825.00	7184885.00	7184870.00	48.57
0015	0047	715835.00	715830.00	7184885.00	7184870.00	47.20
0015	0048	715840.00	715835.00	7184885.00	7184870.00	47.43
0015	0049	715845.00	715840.00	7184885.00	7184870.00	47.17
0015	0050	715850.00	715845.00	7184885.00	7184870.00	47.00
0015	0051	715855.00	715850.00	7184885.00	7184870.00	47.00
0015	0052	715860.00	715855.00	7184885.00	7184870.00	47.31
0015	0053	715865.00	715860.00	7184885.00	7184870.00	47.69
0015	0054	715870.00	715865.00	7184885.00	7184870.00	48.00
0015	0055	715875.00	715870.00	7184885.00	7184870.00	48.00
0015	0056	715880.00	715875.00	7184885.00	7184870.00	48.00
0015	0057	715885.00	715880.00	7184885.00	7184870.00	48.00
0016	0024	715720.00	715715.00	7184870.00	7184855.00	51.00
0016	0025	715725.00	715720.00	7184870.00	7184855.00	52.33
0016	0026	715730.00	715725.00	7184870.00	7184855.00	52.63
0016	0027	715735.00	715730.00	7184870.00	7184855.00	53.31
0016	0028	715740.00	715735.00	7184870.00	7184855.00	53.15
0016	0029	715745.00	715740.00	7184870.00	7184855.00	54.24
0016	0030	715750.00	715745.00	7184870.00	7184855.00	54.76
0016	0031	715755.00	715750.00	7184870.00	7184855.00	55.62

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0016	0032	715760.00	715755.00	7184870.00	7184855.00	56.27
0016	0033	715765.00	715760.00	7184870.00	7184855.00	56.76
0016	0034	715770.00	715765.00	7184870.00	7184855.00	57.05
0016	0035	715775.00	715770.00	7184870.00	7184855.00	57.36
0016	0036	715780.00	715775.00	7184870.00	7184855.00	57.20
0016	0037	715785.00	715780.00	7184870.00	7184855.00	57.03
0016	0038	715790.00	715785.00	7184870.00	7184855.00	56.24
0016	0039	715795.00	715790.00	7184870.00	7184855.00	55.01
0016	0040	715800.00	715795.00	7184870.00	7184855.00	53.78
0016	0041	715805.00	715800.00	7184870.00	7184855.00	52.83
0016	0042	715810.00	715805.00	7184870.00	7184855.00	52.00
0016	0043	715815.00	715810.00	7184870.00	7184855.00	50.66
0016	0044	715820.00	715815.00	7184870.00	7184855.00	49.02
0016	0045	715825.00	715820.00	7184870.00	7184855.00	48.45
0016	0046	715830.00	715825.00	7184870.00	7184855.00	47.76
0016	0047	715835.00	715830.00	7184870.00	7184855.00	47.53
0016	0048	715840.00	715835.00	7184870.00	7184855.00	47.22
0016	0049	715845.00	715840.00	7184870.00	7184855.00	47.00
0016	0050	715850.00	715845.00	7184870.00	7184855.00	47.00
0016	0051	715855.00	715850.00	7184870.00	7184855.00	47.00
0016	0052	715860.00	715855.00	7184870.00	7184855.00	47.18
0016	0053	715865.00	715860.00	7184870.00	7184855.00	47.59
0016	0054	715870.00	715865.00	7184870.00	7184855.00	47.95
0016	0055	715875.00	715870.00	7184870.00	7184855.00	48.00
0016	0056	715880.00	715875.00	7184870.00	7184855.00	48.00
0016	0057	715885.00	715880.00	7184870.00	7184855.00	48.00
0017	0024	715720.00	715715.00	7184855.00	7184840.00	51.00
0017	0025	715725.00	715720.00	7184855.00	7184840.00	51.00
0017	0026	715730.00	715725.00	7184855.00	7184840.00	51.08
0017	0027	715735.00	715730.00	7184855.00	7184840.00	51.34
0017	0028	715740.00	715735.00	7184855.00	7184840.00	51.42
0017	0029	715745.00	715740.00	7184855.00	7184840.00	51.53
0017	0030	715750.00	715745.00	7184855.00	7184840.00	51.98
0017	0031	715755.00	715750.00	7184855.00	7184840.00	52.84
0017	0032	715760.00	715755.00	7184855.00	7184840.00	53.03
0017	0033	715765.00	715760.00	7184855.00	7184840.00	53.39
0017	0034	715770.00	715765.00	7184855.00	7184840.00	53.43
0017	0035	715775.00	715770.00	7184855.00	7184840.00	53.16

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0017	0036	715780.00	715775.00	7184855.00	7184840.00	53.22
0017	0037	715785.00	715780.00	7184855.00	7184840.00	53.33
0017	0038	715790.00	715785.00	7184855.00	7184840.00	53.01
0017	0039	715795.00	715790.00	7184855.00	7184840.00	52.63
0017	0040	715800.00	715795.00	7184855.00	7184840.00	51.85
0017	0041	715805.00	715800.00	7184855.00	7184840.00	51.11
0017	0042	715810.00	715805.00	7184855.00	7184840.00	50.20
0017	0043	715815.00	715810.00	7184855.00	7184840.00	49.35
0017	0044	715820.00	715815.00	7184855.00	7184840.00	48.76
0017	0045	715825.00	715820.00	7184855.00	7184840.00	48.00
0017	0046	715830.00	715825.00	7184855.00	7184840.00	47.83
0017	0047	715835.00	715830.00	7184855.00	7184840.00	47.39
0017	0048	715840.00	715835.00	7184855.00	7184840.00	47.20
0017	0049	715845.00	715840.00	7184855.00	7184840.00	47.40
0017	0050	715850.00	715845.00	7184855.00	7184840.00	47.23
0017	0051	715855.00	715850.00	7184855.00	7184840.00	47.07
0017	0052	715860.00	715855.00	7184855.00	7184840.00	47.00
0017	0053	715865.00	715860.00	7184855.00	7184840.00	47.18
0017	0054	715870.00	715865.00	7184855.00	7184840.00	47.36
0017	0055	715875.00	715870.00	7184855.00	7184840.00	47.63
0017	0056	715880.00	715875.00	7184855.00	7184840.00	48.00
0018	0026	715730.00	715725.00	7184840.00	7184825.00	50.00
0018	0027	715735.00	715730.00	7184840.00	7184825.00	50.30
0018	0028	715740.00	715735.00	7184840.00	7184825.00	49.94
0018	0029	715745.00	715740.00	7184840.00	7184825.00	49.42
0018	0030	715750.00	715745.00	7184840.00	7184825.00	49.60
0018	0031	715755.00	715750.00	7184840.00	7184825.00	49.26
0018	0032	715760.00	715755.00	7184840.00	7184825.00	49.73
0018	0033	715765.00	715760.00	7184840.00	7184825.00	50.18
0018	0034	715770.00	715765.00	7184840.00	7184825.00	50.23
0018	0035	715775.00	715770.00	7184840.00	7184825.00	50.06
0018	0036	715780.00	715775.00	7184840.00	7184825.00	50.06
0018	0037	715785.00	715780.00	7184840.00	7184825.00	49.98
0018	0038	715790.00	715785.00	7184840.00	7184825.00	49.44
0018	0039	715795.00	715790.00	7184840.00	7184825.00	49.04
0018	0040	715800.00	715795.00	7184840.00	7184825.00	49.07
0018	0041	715805.00	715800.00	7184840.00	7184825.00	49.01
0018	0042	715810.00	715805.00	7184840.00	7184825.00	49.08

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0018	0043	715815.00	715810.00	7184840.00	7184825.00	49.04
0018	0044	715820.00	715815.00	7184840.00	7184825.00	48.96
0018	0045	715825.00	715820.00	7184840.00	7184825.00	48.49
0018	0046	715830.00	715825.00	7184840.00	7184825.00	48.26
0018	0047	715835.00	715830.00	7184840.00	7184825.00	48.54
0018	0048	715840.00	715835.00	7184840.00	7184825.00	48.97
0018	0049	715845.00	715840.00	7184840.00	7184825.00	46.14
0018	0050	715850.00	715845.00	7184840.00	7184825.00	47.18
0018	0051	715855.00	715850.00	7184840.00	7184825.00	47.23
0018	0052	715860.00	715855.00	7184840.00	7184825.00	47.00
0018	0053	715865.00	715860.00	7184840.00	7184825.00	47.00
0018	0054	715870.00	715865.00	7184840.00	7184825.00	47.00
0018	0055	715875.00	715870.00	7184840.00	7184825.00	47.00
0018	0056	715880.00	715875.00	7184840.00	7184825.00	47.00
0019	0028	715740.00	715735.00	7184825.00	7184810.00	46.05
0019	0029	715745.00	715740.00	7184825.00	7184810.00	46.29
0019	0030	715750.00	715745.00	7184825.00	7184810.00	46.45
0019	0031	715755.00	715750.00	7184825.00	7184810.00	46.37
0019	0032	715760.00	715755.00	7184825.00	7184810.00	46.24
0019	0033	715765.00	715760.00	7184825.00	7184810.00	46.32
0019	0034	715770.00	715765.00	7184825.00	7184810.00	46.96
0019	0035	715775.00	715770.00	7184825.00	7184810.00	46.57
0019	0036	715780.00	715775.00	7184825.00	7184810.00	46.42
0019	0037	715785.00	715780.00	7184825.00	7184810.00	46.73
0019	0038	715790.00	715785.00	7184825.00	7184810.00	46.85
0019	0039	715795.00	715790.00	7184825.00	7184810.00	46.86
0019	0040	715800.00	715795.00	7184825.00	7184810.00	47.26
0019	0041	715805.00	715800.00	7184825.00	7184810.00	47.90
0019	0042	715810.00	715805.00	7184825.00	7184810.00	48.82
0019	0043	715815.00	715810.00	7184825.00	7184810.00	48.82
0019	0044	715820.00	715815.00	7184825.00	7184810.00	49.34
0019	0045	715825.00	715820.00	7184825.00	7184810.00	49.47
0019	0046	715830.00	715825.00	7184825.00	7184810.00	49.42
0019	0047	715835.00	715830.00	7184825.00	7184810.00	49.46
0019	0048	715840.00	715835.00	7184825.00	7184810.00	49.49
0019	0049	715845.00	715840.00	7184825.00	7184810.00	48.34
0019	0050	715850.00	715845.00	7184825.00	7184810.00	47.68
0019	0051	715855.00	715850.00	7184825.00	7184810.00	47.38

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0019	0052	715860.00	715855.00	7184825.00	7184810.00	47.23
0019	0053	715865.00	715860.00	7184825.00	7184810.00	47.00
0019	0054	715870.00	715865.00	7184825.00	7184810.00	47.00
0019	0055	715875.00	715870.00	7184825.00	7184810.00	47.00
0020	0027	715735.00	715730.00	7184810.00	7184795.00	42.00
0020	0028	715740.00	715735.00	7184810.00	7184795.00	42.31
0020	0029	715745.00	715740.00	7184810.00	7184795.00	42.07
0020	0030	715750.00	715745.00	7184810.00	7184795.00	42.24
0020	0031	715755.00	715750.00	7184810.00	7184795.00	42.79
0020	0032	715760.00	715755.00	7184810.00	7184795.00	43.02
0020	0033	715765.00	715760.00	7184810.00	7184795.00	42.96
0020	0034	715770.00	715765.00	7184810.00	7184795.00	42.68
0020	0035	715775.00	715770.00	7184810.00	7184795.00	43.34
0020	0036	715780.00	715775.00	7184810.00	7184795.00	43.29
0020	0037	715785.00	715780.00	7184810.00	7184795.00	43.00
0020	0038	715790.00	715785.00	7184810.00	7184795.00	43.70
0020	0039	715795.00	715790.00	7184810.00	7184795.00	44.49
0020	0040	715800.00	715795.00	7184810.00	7184795.00	45.15
0020	0041	715805.00	715800.00	7184810.00	7184795.00	46.09
0020	0042	715810.00	715805.00	7184810.00	7184795.00	47.38
0020	0043	715815.00	715810.00	7184810.00	7184795.00	48.82
0020	0044	715820.00	715815.00	7184810.00	7184795.00	48.14
0020	0045	715825.00	715820.00	7184810.00	7184795.00	48.62
0020	0046	715830.00	715825.00	7184810.00	7184795.00	48.98
0020	0047	715835.00	715830.00	7184810.00	7184795.00	49.25
0020	0048	715840.00	715835.00	7184810.00	7184795.00	49.17
0020	0049	715845.00	715840.00	7184810.00	7184795.00	48.86
0020	0050	715850.00	715845.00	7184810.00	7184795.00	48.26
0020	0051	715855.00	715850.00	7184810.00	7184795.00	48.06
0020	0052	715860.00	715855.00	7184810.00	7184795.00	47.45
0020	0053	715865.00	715860.00	7184810.00	7184795.00	47.06
0020	0054	715870.00	715865.00	7184810.00	7184795.00	47.00
0020	0055	715875.00	715870.00	7184810.00	7184795.00	47.00
0021	0027	715735.00	715730.00	7184795.00	7184780.00	39.53
0021	0028	715740.00	715735.00	7184795.00	7184780.00	39.96
0021	0029	715745.00	715740.00	7184795.00	7184780.00	39.79
0021	0030	715750.00	715745.00	7184795.00	7184780.00	39.76
0021	0031	715755.00	715750.00	7184795.00	7184780.00	39.76

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0021	0032	715760.00	715755.00	7184795.00	7184780.00	40.19
0021	0033	715765.00	715760.00	7184795.00	7184780.00	40.04
0021	0034	715770.00	715765.00	7184795.00	7184780.00	39.97
0021	0035	715775.00	715770.00	7184795.00	7184780.00	40.04
0021	0036	715780.00	715775.00	7184795.00	7184780.00	40.47
0021	0037	715785.00	715780.00	7184795.00	7184780.00	40.79
0021	0038	715790.00	715785.00	7184795.00	7184780.00	41.11
0021	0039	715795.00	715790.00	7184795.00	7184780.00	41.12
0021	0040	715800.00	715795.00	7184795.00	7184780.00	42.11
0021	0041	715805.00	715800.00	7184795.00	7184780.00	43.27
0021	0042	715810.00	715805.00	7184795.00	7184780.00	44.49
0021	0043	715815.00	715810.00	7184795.00	7184780.00	45.47
0021	0044	715820.00	715815.00	7184795.00	7184780.00	46.00
0021	0045	715825.00	715820.00	7184795.00	7184780.00	47.04
0021	0046	715830.00	715825.00	7184795.00	7184780.00	47.31
0021	0047	715835.00	715830.00	7184795.00	7184780.00	47.91
0021	0048	715840.00	715835.00	7184795.00	7184780.00	48.45
0021	0049	715845.00	715840.00	7184795.00	7184780.00	49.00
0021	0050	715850.00	715845.00	7184795.00	7184780.00	49.20
0021	0051	715855.00	715850.00	7184795.00	7184780.00	48.75
0021	0052	715860.00	715855.00	7184795.00	7184780.00	48.15
0021	0053	715865.00	715860.00	7184795.00	7184780.00	47.51
0021	0054	715870.00	715865.00	7184795.00	7184780.00	47.16
0021	0055	715875.00	715870.00	7184795.00	7184780.00	47.06
0021	0056	715880.00	715875.00	7184795.00	7184780.00	47.00
0021	0057	715885.00	715880.00	7184795.00	7184780.00	47.00
0022	0028	715740.00	715735.00	7184780.00	7184765.00	39.00
0022	0029	715745.00	715740.00	7184780.00	7184765.00	39.33
0022	0030	715750.00	715745.00	7184780.00	7184765.00	38.55
0022	0031	715755.00	715750.00	7184780.00	7184765.00	37.99
0022	0032	715760.00	715755.00	7184780.00	7184765.00	37.49
0022	0033	715765.00	715760.00	7184780.00	7184765.00	37.54
0022	0034	715770.00	715765.00	7184780.00	7184765.00	37.88
0022	0035	715775.00	715770.00	7184780.00	7184765.00	37.93
0022	0036	715780.00	715775.00	7184780.00	7184765.00	37.74
0022	0037	715785.00	715780.00	7184780.00	7184765.00	37.85
0022	0038	715790.00	715785.00	7184780.00	7184765.00	38.08
0022	0039	715795.00	715790.00	7184780.00	7184765.00	38.25

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0022	0040	715800.00	715795.00	7184780.00	7184765.00	38.12
0022	0041	715805.00	715800.00	7184780.00	7184765.00	39.21
0022	0042	715810.00	715805.00	7184780.00	7184765.00	40.90
0022	0043	715815.00	715810.00	7184780.00	7184765.00	41.82
0022	0044	715820.00	715815.00	7184780.00	7184765.00	42.41
0022	0045	715825.00	715820.00	7184780.00	7184765.00	43.33
0022	0046	715830.00	715825.00	7184780.00	7184765.00	44.72
0022	0047	715835.00	715830.00	7184780.00	7184765.00	45.22
0022	0048	715840.00	715835.00	7184780.00	7184765.00	46.66
0022	0049	715845.00	715840.00	7184780.00	7184765.00	46.81
0022	0050	715850.00	715845.00	7184780.00	7184765.00	47.01
0022	0051	715855.00	715850.00	7184780.00	7184765.00	47.42
0022	0052	715860.00	715855.00	7184780.00	7184765.00	47.27
0022	0053	715865.00	715860.00	7184780.00	7184765.00	47.59
0022	0054	715870.00	715865.00	7184780.00	7184765.00	47.47
0022	0055	715875.00	715870.00	7184780.00	7184765.00	47.31
0022	0056	715880.00	715875.00	7184780.00	7184765.00	47.24
0022	0057	715885.00	715880.00	7184780.00	7184765.00	47.00
0023	0030	715750.00	715745.00	7184765.00	7184750.00	36.00
0023	0031	715755.00	715750.00	7184765.00	7184750.00	36.52
0023	0032	715760.00	715755.00	7184765.00	7184750.00	36.58
0023	0033	715765.00	715760.00	7184765.00	7184750.00	36.54
0023	0034	715770.00	715765.00	7184765.00	7184750.00	36.28
0023	0035	715775.00	715770.00	7184765.00	7184750.00	36.07
0023	0036	715780.00	715775.00	7184765.00	7184750.00	36.14
0023	0037	715785.00	715780.00	7184765.00	7184750.00	36.10
0023	0038	715790.00	715785.00	7184765.00	7184750.00	36.04
0023	0039	715795.00	715790.00	7184765.00	7184750.00	36.05
0023	0040	715800.00	715795.00	7184765.00	7184750.00	36.60
0023	0041	715805.00	715800.00	7184765.00	7184750.00	37.24
0023	0042	715810.00	715805.00	7184765.00	7184750.00	37.30
0023	0043	715815.00	715810.00	7184765.00	7184750.00	38.01
0023	0044	715820.00	715815.00	7184765.00	7184750.00	38.89
0023	0045	715825.00	715820.00	7184765.00	7184750.00	40.24
0023	0046	715830.00	715825.00	7184765.00	7184750.00	41.13
0023	0047	715835.00	715830.00	7184765.00	7184750.00	41.91
0023	0048	715840.00	715835.00	7184765.00	7184750.00	42.53
0023	0049	715845.00	715840.00	7184765.00	7184750.00	43.17

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0023	0050	715850.00	715845.00	7184765.00	7184750.00	44.47
0023	0051	715855.00	715850.00	7184765.00	7184750.00	44.93
0023	0052	715860.00	715855.00	7184765.00	7184750.00	45.44
0023	0053	715865.00	715860.00	7184765.00	7184750.00	45.93
0023	0054	715870.00	715865.00	7184765.00	7184750.00	46.25
0023	0055	715875.00	715870.00	7184765.00	7184750.00	46.43
0023	0056	715880.00	715875.00	7184765.00	7184750.00	46.34
0023	0057	715885.00	715880.00	7184765.00	7184750.00	46.53
0023	0058	715890.00	715885.00	7184765.00	7184750.00	47.65
0023	0059	715895.00	715890.00	7184765.00	7184750.00	48.63
0023	0060	715900.00	715895.00	7184765.00	7184750.00	50.35
0023	0061	715905.00	715900.00	7184765.00	7184750.00	51.78
0023	0062	715910.00	715905.00	7184765.00	7184750.00	54.56
0023	0063	715915.00	715910.00	7184765.00	7184750.00	56.08
0023	0064	715920.00	715915.00	7184765.00	7184750.00	59.24
0023	0065	715925.00	715920.00	7184765.00	7184750.00	60.05
0023	0066	715930.00	715925.00	7184765.00	7184750.00	62.32
0024	0029	715745.00	715740.00	7184750.00	7184735.00	36.00
0024	0030	715750.00	715745.00	7184750.00	7184735.00	36.00
0024	0031	715755.00	715750.00	7184750.00	7184735.00	36.00
0024	0032	715760.00	715755.00	7184750.00	7184735.00	36.00
0024	0033	715765.00	715760.00	7184750.00	7184735.00	36.00
0024	0034	715770.00	715765.00	7184750.00	7184735.00	36.00
0024	0035	715775.00	715770.00	7184750.00	7184735.00	35.64
0024	0036	715780.00	715775.00	7184750.00	7184735.00	35.07
0024	0037	715785.00	715780.00	7184750.00	7184735.00	35.01
0024	0038	715790.00	715785.00	7184750.00	7184735.00	34.87
0024	0039	715795.00	715790.00	7184750.00	7184735.00	34.71
0024	0040	715800.00	715795.00	7184750.00	7184735.00	34.65
0024	0041	715805.00	715800.00	7184750.00	7184735.00	34.38
0024	0042	715810.00	715805.00	7184750.00	7184735.00	34.38
0024	0043	715815.00	715810.00	7184750.00	7184735.00	35.28
0024	0044	715820.00	715815.00	7184750.00	7184735.00	36.00
0024	0045	715825.00	715820.00	7184750.00	7184735.00	36.49
0024	0046	715830.00	715825.00	7184750.00	7184735.00	37.16
0024	0047	715835.00	715830.00	7184750.00	7184735.00	38.30
0024	0048	715840.00	715835.00	7184750.00	7184735.00	38.90
0024	0049	715845.00	715840.00	7184750.00	7184735.00	39.98

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0024	0050	715850.00	715845.00	7184750.00	7184735.00	40.65
0024	0051	715855.00	715850.00	7184750.00	7184735.00	41.63
0024	0052	715860.00	715855.00	7184750.00	7184735.00	42.34
0024	0053	715865.00	715860.00	7184750.00	7184735.00	42.67
0024	0054	715870.00	715865.00	7184750.00	7184735.00	43.96
0024	0055	715875.00	715870.00	7184750.00	7184735.00	44.70
0024	0056	715880.00	715875.00	7184750.00	7184735.00	45.58
0024	0057	715885.00	715880.00	7184750.00	7184735.00	46.69
0024	0058	715890.00	715885.00	7184750.00	7184735.00	47.68
0024	0059	715895.00	715890.00	7184750.00	7184735.00	49.08
0024	0060	715900.00	715895.00	7184750.00	7184735.00	49.99
0024	0061	715905.00	715900.00	7184750.00	7184735.00	51.89
0024	0062	715910.00	715905.00	7184750.00	7184735.00	54.45
0024	0063	715915.00	715910.00	7184750.00	7184735.00	56.94
0024	0064	715920.00	715915.00	7184750.00	7184735.00	58.82
0024	0065	715925.00	715920.00	7184750.00	7184735.00	61.51
0024	0066	715930.00	715925.00	7184750.00	7184735.00	63.32
0025	0031	715755.00	715750.00	7184735.00	7184720.00	36.00
0025	0032	715760.00	715755.00	7184735.00	7184720.00	36.00
0025	0033	715765.00	715760.00	7184735.00	7184720.00	35.44
0025	0034	715770.00	715765.00	7184735.00	7184720.00	35.00
0025	0035	715775.00	715770.00	7184735.00	7184720.00	34.80
0025	0036	715780.00	715775.00	7184735.00	7184720.00	34.99
0025	0037	715785.00	715780.00	7184735.00	7184720.00	34.51
0025	0038	715790.00	715785.00	7184735.00	7184720.00	34.15
0025	0039	715795.00	715790.00	7184735.00	7184720.00	34.00
0025	0040	715800.00	715795.00	7184735.00	7184720.00	34.00
0025	0041	715805.00	715800.00	7184735.00	7184720.00	34.00
0025	0042	715810.00	715805.00	7184735.00	7184720.00	34.00
0025	0043	715815.00	715810.00	7184735.00	7184720.00	34.12
0025	0044	715820.00	715815.00	7184735.00	7184720.00	34.69
0025	0045	715825.00	715820.00	7184735.00	7184720.00	34.75
0025	0046	715830.00	715825.00	7184735.00	7184720.00	35.01
0025	0047	715835.00	715830.00	7184735.00	7184720.00	35.17
0025	0048	715840.00	715835.00	7184735.00	7184720.00	36.04
0025	0049	715845.00	715840.00	7184735.00	7184720.00	36.54
0025	0050	715850.00	715845.00	7184735.00	7184720.00	37.50
0025	0051	715855.00	715850.00	7184735.00	7184720.00	38.25

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0025	0052	715860.00	715855.00	7184735.00	7184720.00	38.69
0025	0053	715865.00	715860.00	7184735.00	7184720.00	39.33
0025	0054	715870.00	715865.00	7184735.00	7184720.00	42.25
0025	0055	715875.00	715870.00	7184735.00	7184720.00	43.48
0025	0056	715880.00	715875.00	7184735.00	7184720.00	45.83
0025	0057	715885.00	715880.00	7184735.00	7184720.00	47.30
0025	0058	715890.00	715885.00	7184735.00	7184720.00	49.05
0025	0059	715895.00	715890.00	7184735.00	7184720.00	51.55
0025	0060	715900.00	715895.00	7184735.00	7184720.00	52.62
0025	0061	715905.00	715900.00	7184735.00	7184720.00	54.80
0025	0062	715910.00	715905.00	7184735.00	7184720.00	56.00
0025	0063	715915.00	715910.00	7184735.00	7184720.00	58.31
0025	0064	715920.00	715915.00	7184735.00	7184720.00	59.67
0025	0065	715925.00	715920.00	7184735.00	7184720.00	61.18
0025	0066	715930.00	715925.00	7184735.00	7184720.00	62.79
0026	0033	715765.00	715760.00	7184720.00	7184705.00	33.00
0026	0034	715770.00	715765.00	7184720.00	7184705.00	33.16
0026	0035	715775.00	715770.00	7184720.00	7184705.00	33.16
0026	0036	715780.00	715775.00	7184720.00	7184705.00	33.23
0026	0037	715785.00	715780.00	7184720.00	7184705.00	33.42
0026	0038	715790.00	715785.00	7184720.00	7184705.00	33.29
0026	0039	715795.00	715790.00	7184720.00	7184705.00	33.06
0026	0040	715800.00	715795.00	7184720.00	7184705.00	33.00
0026	0041	715805.00	715800.00	7184720.00	7184705.00	34.00
0026	0042	715810.00	715805.00	7184720.00	7184705.00	34.00
0026	0043	715815.00	715810.00	7184720.00	7184705.00	34.00
0026	0044	715820.00	715815.00	7184720.00	7184705.00	34.08
0026	0045	715825.00	715820.00	7184720.00	7184705.00	34.13
0026	0046	715830.00	715825.00	7184720.00	7184705.00	34.28
0026	0047	715835.00	715830.00	7184720.00	7184705.00	34.68
0026	0048	715840.00	715835.00	7184720.00	7184705.00	35.09
0026	0049	715845.00	715840.00	7184720.00	7184705.00	35.11
0026	0050	715850.00	715845.00	7184720.00	7184705.00	36.20
0026	0051	715855.00	715850.00	7184720.00	7184705.00	36.87
0026	0052	715860.00	715855.00	7184720.00	7184705.00	38.34
0026	0053	715865.00	715860.00	7184720.00	7184705.00	39.84
0026	0054	715870.00	715865.00	7184720.00	7184705.00	41.30
0026	0055	715875.00	715870.00	7184720.00	7184705.00	43.29

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0026	0056	715880.00	715875.00	7184720.00	7184705.00	45.07
0026	0057	715885.00	715880.00	7184720.00	7184705.00	46.50
0026	0058	715890.00	715885.00	7184720.00	7184705.00	48.12
0026	0059	715895.00	715890.00	7184720.00	7184705.00	49.41
0026	0060	715900.00	715895.00	7184720.00	7184705.00	51.54
0026	0061	715905.00	715900.00	7184720.00	7184705.00	52.43
0026	0062	715910.00	715905.00	7184720.00	7184705.00	53.87
0026	0063	715915.00	715910.00	7184720.00	7184705.00	55.56
0026	0064	715920.00	715915.00	7184720.00	7184705.00	56.33
0026	0065	715925.00	715920.00	7184720.00	7184705.00	58.78
0026	0066	715930.00	715925.00	7184720.00	7184705.00	59.34
0027	0032	715760.00	715755.00	7184705.00	7184690.00	33.00
0027	0033	715765.00	715760.00	7184705.00	7184690.00	32.80
0027	0034	715770.00	715765.00	7184705.00	7184690.00	32.85
0027	0035	715775.00	715770.00	7184705.00	7184690.00	32.20
0027	0036	715780.00	715775.00	7184705.00	7184690.00	32.29
0027	0037	715785.00	715780.00	7184705.00	7184690.00	32.60
0027	0038	715790.00	715785.00	7184705.00	7184690.00	32.73
0027	0039	715795.00	715790.00	7184705.00	7184690.00	33.13
0027	0040	715800.00	715795.00	7184705.00	7184690.00	33.80
0027	0041	715805.00	715800.00	7184705.00	7184690.00	34.00
0027	0042	715810.00	715805.00	7184705.00	7184690.00	34.00
0027	0043	715815.00	715810.00	7184705.00	7184690.00	34.29
0027	0044	715820.00	715815.00	7184705.00	7184690.00	34.69
0027	0045	715825.00	715820.00	7184705.00	7184690.00	34.97
0027	0046	715830.00	715825.00	7184705.00	7184690.00	35.04
0027	0047	715835.00	715830.00	7184705.00	7184690.00	35.84
0027	0048	715840.00	715835.00	7184705.00	7184690.00	36.22
0027	0049	715845.00	715840.00	7184705.00	7184690.00	37.01
0027	0050	715850.00	715845.00	7184705.00	7184690.00	38.15
0027	0051	715855.00	715850.00	7184705.00	7184690.00	39.00
0027	0052	715860.00	715855.00	7184705.00	7184690.00	39.32
0027	0053	715865.00	715860.00	7184705.00	7184690.00	40.23
0027	0054	715870.00	715865.00	7184705.00	7184690.00	41.21
0027	0055	715875.00	715870.00	7184705.00	7184690.00	42.50
0027	0056	715880.00	715875.00	7184705.00	7184690.00	43.61
0027	0057	715885.00	715880.00	7184705.00	7184690.00	44.87
0027	0058	715890.00	715885.00	7184705.00	7184690.00	45.33

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0027	0059	715895.00	715890.00	7184705.00	7184690.00	46.67
0027	0060	715900.00	715895.00	7184705.00	7184690.00	47.72
0027	0061	715905.00	715900.00	7184705.00	7184690.00	48.54
0027	0062	715910.00	715905.00	7184705.00	7184690.00	48.65
0027	0063	715915.00	715910.00	7184705.00	7184690.00	49.80
0027	0064	715920.00	715915.00	7184705.00	7184690.00	51.70
0027	0065	715925.00	715920.00	7184705.00	7184690.00	52.63
0027	0066	715930.00	715925.00	7184705.00	7184690.00	54.22
0028	0032	715760.00	715755.00	7184690.00	7184675.00	32.42
0028	0033	715765.00	715760.00	7184690.00	7184675.00	32.24
0028	0034	715770.00	715765.00	7184690.00	7184675.00	32.10
0028	0035	715775.00	715770.00	7184690.00	7184675.00	32.14
0028	0036	715780.00	715775.00	7184690.00	7184675.00	32.34
0028	0037	715785.00	715780.00	7184690.00	7184675.00	32.94
0028	0038	715790.00	715785.00	7184690.00	7184675.00	33.08
0028	0039	715795.00	715790.00	7184690.00	7184675.00	33.70
0028	0040	715800.00	715795.00	7184690.00	7184675.00	33.84
0028	0041	715805.00	715800.00	7184690.00	7184675.00	34.00
0028	0042	715810.00	715805.00	7184690.00	7184675.00	34.00
0028	0043	715815.00	715810.00	7184690.00	7184675.00	34.55
0028	0044	715820.00	715815.00	7184690.00	7184675.00	35.00
0028	0045	715825.00	715820.00	7184690.00	7184675.00	35.00
0028	0046	715830.00	715825.00	7184690.00	7184675.00	35.48
0028	0047	715835.00	715830.00	7184690.00	7184675.00	35.70
0028	0048	715840.00	715835.00	7184690.00	7184675.00	36.61
0028	0049	715845.00	715840.00	7184690.00	7184675.00	37.19
0028	0050	715850.00	715845.00	7184690.00	7184675.00	37.55
0028	0051	715855.00	715850.00	7184690.00	7184675.00	37.37
0028	0052	715860.00	715855.00	7184690.00	7184675.00	37.61
0028	0053	715865.00	715860.00	7184690.00	7184675.00	38.29
0028	0054	715870.00	715865.00	7184690.00	7184675.00	39.74
0028	0055	715875.00	715870.00	7184690.00	7184675.00	40.54
0028	0056	715880.00	715875.00	7184690.00	7184675.00	41.53
0028	0057	715885.00	715880.00	7184690.00	7184675.00	42.26
0028	0058	715890.00	715885.00	7184690.00	7184675.00	42.91
0028	0059	715895.00	715890.00	7184690.00	7184675.00	43.36
0028	0060	715900.00	715895.00	7184690.00	7184675.00	44.09
0028	0061	715905.00	715900.00	7184690.00	7184675.00	44.40

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0028	0062	715910.00	715905.00	7184690.00	7184675.00	45.18
0028	0063	715915.00	715910.00	7184690.00	7184675.00	46.52
0028	0064	715920.00	715915.00	7184690.00	7184675.00	47.50
0028	0065	715925.00	715920.00	7184690.00	7184675.00	47.52
0028	0066	715930.00	715925.00	7184690.00	7184675.00	48.36
0029	0033	715765.00	715760.00	7184675.00	7184660.00	32.00
0029	0034	715770.00	715765.00	7184675.00	7184660.00	32.00
0029	0035	715775.00	715770.00	7184675.00	7184660.00	32.00
0029	0036	715780.00	715775.00	7184675.00	7184660.00	32.02
0029	0037	715785.00	715780.00	7184675.00	7184660.00	32.51
0029	0038	715790.00	715785.00	7184675.00	7184660.00	33.00
0029	0039	715795.00	715790.00	7184675.00	7184660.00	33.17
0029	0040	715800.00	715795.00	7184675.00	7184660.00	33.50
0029	0041	715805.00	715800.00	7184675.00	7184660.00	33.68
0029	0042	715810.00	715805.00	7184675.00	7184660.00	34.16
0029	0043	715815.00	715810.00	7184675.00	7184660.00	35.00
0029	0044	715820.00	715815.00	7184675.00	7184660.00	35.00
0029	0045	715825.00	715820.00	7184675.00	7184660.00	35.00
0029	0046	715830.00	715825.00	7184675.00	7184660.00	35.29
0029	0047	715835.00	715830.00	7184675.00	7184660.00	35.70
0029	0048	715840.00	715835.00	7184675.00	7184660.00	36.00
0029	0049	715845.00	715840.00	7184675.00	7184660.00	36.24
0029	0050	715850.00	715845.00	7184675.00	7184660.00	36.61
0029	0051	715855.00	715850.00	7184675.00	7184660.00	37.05
0029	0052	715860.00	715855.00	7184675.00	7184660.00	37.39
0029	0053	715865.00	715860.00	7184675.00	7184660.00	38.00
0029	0054	715870.00	715865.00	7184675.00	7184660.00	38.84
0029	0055	715875.00	715870.00	7184675.00	7184660.00	39.57
0029	0056	715880.00	715875.00	7184675.00	7184660.00	39.99
0029	0057	715885.00	715880.00	7184675.00	7184660.00	40.99
0029	0058	715890.00	715885.00	7184675.00	7184660.00	42.14
0029	0059	715895.00	715890.00	7184675.00	7184660.00	43.00
0029	0060	715900.00	715895.00	7184675.00	7184660.00	43.73
0029	0061	715905.00	715900.00	7184675.00	7184660.00	44.23
0029	0062	715910.00	715905.00	7184675.00	7184660.00	45.10
0029	0063	715915.00	715910.00	7184675.00	7184660.00	45.73
0029	0064	715920.00	715915.00	7184675.00	7184660.00	46.28
0029	0065	715925.00	715920.00	7184675.00	7184660.00	46.62

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0029	0066	715930.00	715925.00	7184675.00	7184660.00	46.93
0030	0033	715765.00	715760.00	7184660.00	7184645.00	31.00
0030	0034	715770.00	715765.00	7184660.00	7184645.00	31.00
0030	0035	715775.00	715770.00	7184660.00	7184645.00	31.06
0030	0036	715780.00	715775.00	7184660.00	7184645.00	31.28
0030	0037	715785.00	715780.00	7184660.00	7184645.00	31.64
0030	0038	715790.00	715785.00	7184660.00	7184645.00	32.06
0030	0039	715795.00	715790.00	7184660.00	7184645.00	32.33
0030	0040	715800.00	715795.00	7184660.00	7184645.00	33.04
0030	0041	715805.00	715800.00	7184660.00	7184645.00	33.13
0030	0042	715810.00	715805.00	7184660.00	7184645.00	33.56
0030	0043	715815.00	715810.00	7184660.00	7184645.00	34.05
0030	0044	715820.00	715815.00	7184660.00	7184645.00	34.65
0030	0045	715825.00	715820.00	7184660.00	7184645.00	34.87
0030	0046	715830.00	715825.00	7184660.00	7184645.00	35.00
0030	0047	715835.00	715830.00	7184660.00	7184645.00	35.40
0030	0048	715840.00	715835.00	7184660.00	7184645.00	35.81
0030	0049	715845.00	715840.00	7184660.00	7184645.00	36.20
0030	0050	715850.00	715845.00	7184660.00	7184645.00	36.47
0030	0051	715855.00	715850.00	7184660.00	7184645.00	37.02
0030	0052	715860.00	715855.00	7184660.00	7184645.00	37.14
0030	0053	715865.00	715860.00	7184660.00	7184645.00	38.34
0030	0054	715870.00	715865.00	7184660.00	7184645.00	39.05
0030	0055	715875.00	715870.00	7184660.00	7184645.00	40.37
0030	0056	715880.00	715875.00	7184660.00	7184645.00	41.41
0030	0057	715885.00	715880.00	7184660.00	7184645.00	42.66
0030	0058	715890.00	715885.00	7184660.00	7184645.00	43.66
0030	0059	715895.00	715890.00	7184660.00	7184645.00	44.14
0030	0060	715900.00	715895.00	7184660.00	7184645.00	45.42
0030	0061	715905.00	715900.00	7184660.00	7184645.00	46.03
0030	0062	715910.00	715905.00	7184660.00	7184645.00	46.74
0030	0063	715915.00	715910.00	7184660.00	7184645.00	47.46
0030	0064	715920.00	715915.00	7184660.00	7184645.00	48.03
0030	0065	715925.00	715920.00	7184660.00	7184645.00	48.99
0030	0066	715930.00	715925.00	7184660.00	7184645.00	49.67
0031	0033	715765.00	715760.00	7184645.00	7184630.00	31.00
0031	0034	715770.00	715765.00	7184645.00	7184630.00	31.00
0031	0035	715775.00	715770.00	7184645.00	7184630.00	31.00

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0031	0036	715780.00	715775.00	7184645.00	7184630.00	31.21
0031	0037	715785.00	715780.00	7184645.00	7184630.00	31.49
0031	0038	715790.00	715785.00	7184645.00	7184630.00	31.95
0031	0039	715795.00	715790.00	7184645.00	7184630.00	32.09
0031	0040	715800.00	715795.00	7184645.00	7184630.00	32.70
0031	0041	715805.00	715800.00	7184645.00	7184630.00	33.06
0031	0042	715810.00	715805.00	7184645.00	7184630.00	33.46
0031	0043	715815.00	715810.00	7184645.00	7184630.00	33.93
0031	0044	715820.00	715815.00	7184645.00	7184630.00	34.13
0031	0045	715825.00	715820.00	7184645.00	7184630.00	34.47
0031	0046	715830.00	715825.00	7184645.00	7184630.00	34.78
0031	0047	715835.00	715830.00	7184645.00	7184630.00	35.00
0031	0048	715840.00	715835.00	7184645.00	7184630.00	35.00
0031	0049	715845.00	715840.00	7184645.00	7184630.00	35.50
0031	0050	715850.00	715845.00	7184645.00	7184630.00	36.11
0031	0051	715855.00	715850.00	7184645.00	7184630.00	36.82
0031	0052	715860.00	715855.00	7184645.00	7184630.00	37.04
0031	0053	715865.00	715860.00	7184645.00	7184630.00	38.24
0031	0054	715870.00	715865.00	7184645.00	7184630.00	39.38
0031	0055	715875.00	715870.00	7184645.00	7184630.00	40.96
0031	0056	715880.00	715875.00	7184645.00	7184630.00	41.79
0031	0057	715885.00	715880.00	7184645.00	7184630.00	43.05
0031	0058	715890.00	715885.00	7184645.00	7184630.00	44.59
0031	0059	715895.00	715890.00	7184645.00	7184630.00	45.63
0031	0060	715900.00	715895.00	7184645.00	7184630.00	46.77
0031	0061	715905.00	715900.00	7184645.00	7184630.00	47.99
0031	0062	715910.00	715905.00	7184645.00	7184630.00	49.02
0031	0063	715915.00	715910.00	7184645.00	7184630.00	50.00
0031	0064	715920.00	715915.00	7184645.00	7184630.00	50.97
0031	0065	715925.00	715920.00	7184645.00	7184630.00	51.84
0031	0066	715930.00	715925.00	7184645.00	7184630.00	52.21
0032	0034	715770.00	715765.00	7184630.00	7184615.00	31.00
0032	0035	715775.00	715770.00	7184630.00	7184615.00	31.20
0032	0036	715780.00	715775.00	7184630.00	7184615.00	31.26
0032	0037	715785.00	715780.00	7184630.00	7184615.00	31.67
0032	0038	715790.00	715785.00	7184630.00	7184615.00	32.00
0032	0039	715795.00	715790.00	7184630.00	7184615.00	32.19
0032	0040	715800.00	715795.00	7184630.00	7184615.00	32.83

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0032	0041	715805.00	715800.00	7184630.00	7184615.00	33.01
0032	0042	715810.00	715805.00	7184630.00	7184615.00	33.26
0032	0043	715815.00	715810.00	7184630.00	7184615.00	33.69
0032	0044	715820.00	715815.00	7184630.00	7184615.00	34.11
0032	0045	715825.00	715820.00	7184630.00	7184615.00	34.24
0032	0046	715830.00	715825.00	7184630.00	7184615.00	34.69
0032	0047	715835.00	715830.00	7184630.00	7184615.00	35.17
0032	0048	715840.00	715835.00	7184630.00	7184615.00	35.37
0032	0049	715845.00	715840.00	7184630.00	7184615.00	35.63
0032	0050	715850.00	715845.00	7184630.00	7184615.00	36.05
0032	0051	715855.00	715850.00	7184630.00	7184615.00	36.15
0032	0052	715860.00	715855.00	7184630.00	7184615.00	36.89
0032	0053	715865.00	715860.00	7184630.00	7184615.00	37.39
0032	0054	715870.00	715865.00	7184630.00	7184615.00	38.80
0032	0055	715875.00	715870.00	7184630.00	7184615.00	39.99
0032	0056	715880.00	715875.00	7184630.00	7184615.00	40.16
0032	0057	715885.00	715880.00	7184630.00	7184615.00	42.02
0032	0058	715890.00	715885.00	7184630.00	7184615.00	44.04
0032	0059	715895.00	715890.00	7184630.00	7184615.00	46.55
0032	0060	715900.00	715895.00	7184630.00	7184615.00	47.58
0032	0061	715905.00	715900.00	7184630.00	7184615.00	49.17
0032	0062	715910.00	715905.00	7184630.00	7184615.00	50.12
0032	0063	715915.00	715910.00	7184630.00	7184615.00	51.72
0032	0064	715920.00	715915.00	7184630.00	7184615.00	53.14
0032	0065	715925.00	715920.00	7184630.00	7184615.00	54.43
0032	0066	715930.00	715925.00	7184630.00	7184615.00	55.18
0033	0030	715750.00	715745.00	7184615.00	7184600.00	30.00
0033	0031	715755.00	715750.00	7184615.00	7184600.00	30.00
0033	0032	715760.00	715755.00	7184615.00	7184600.00	30.00
0033	0033	715765.00	715760.00	7184615.00	7184600.00	30.00
0033	0034	715770.00	715765.00	7184615.00	7184600.00	30.29
0033	0035	715775.00	715770.00	7184615.00	7184600.00	30.57
0033	0036	715780.00	715775.00	7184615.00	7184600.00	30.98
0033	0037	715785.00	715780.00	7184615.00	7184600.00	31.18
0033	0038	715790.00	715785.00	7184615.00	7184600.00	31.66
0033	0039	715795.00	715790.00	7184615.00	7184600.00	32.04
0033	0040	715800.00	715795.00	7184615.00	7184600.00	32.80
0033	0041	715805.00	715800.00	7184615.00	7184600.00	33.27

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0033	0042	715810.00	715805.00	7184615.00	7184600.00	34.15
0033	0043	715815.00	715810.00	7184615.00	7184600.00	34.60
0033	0044	715820.00	715815.00	7184615.00	7184600.00	35.17
0033	0045	715825.00	715820.00	7184615.00	7184600.00	35.68
0033	0046	715830.00	715825.00	7184615.00	7184600.00	35.95
0033	0047	715835.00	715830.00	7184615.00	7184600.00	36.24
0033	0048	715840.00	715835.00	7184615.00	7184600.00	36.07
0033	0049	715845.00	715840.00	7184615.00	7184600.00	36.10
0033	0050	715850.00	715845.00	7184615.00	7184600.00	36.59
0033	0051	715855.00	715850.00	7184615.00	7184600.00	36.89
0033	0052	715860.00	715855.00	7184615.00	7184600.00	37.38
0033	0053	715865.00	715860.00	7184615.00	7184600.00	38.44
0033	0054	715870.00	715865.00	7184615.00	7184600.00	39.01
0033	0055	715875.00	715870.00	7184615.00	7184600.00	40.13
0033	0056	715880.00	715875.00	7184615.00	7184600.00	41.48
0033	0057	715885.00	715880.00	7184615.00	7184600.00	42.72
0033	0058	715890.00	715885.00	7184615.00	7184600.00	43.75
0033	0059	715895.00	715890.00	7184615.00	7184600.00	45.46
0033	0060	715900.00	715895.00	7184615.00	7184600.00	47.07
0033	0061	715905.00	715900.00	7184615.00	7184600.00	48.78
0033	0062	715910.00	715905.00	7184615.00	7184600.00	50.16
0033	0063	715915.00	715910.00	7184615.00	7184600.00	51.72
0033	0064	715920.00	715915.00	7184615.00	7184600.00	53.88
0033	0065	715925.00	715920.00	7184615.00	7184600.00	55.07
0033	0066	715930.00	715925.00	7184615.00	7184600.00	55.95
0034	0029	715745.00	715740.00	7184600.00	7184585.00	30.00
0034	0030	715750.00	715745.00	7184600.00	7184585.00	30.00
0034	0031	715755.00	715750.00	7184600.00	7184585.00	30.00
0034	0032	715760.00	715755.00	7184600.00	7184585.00	30.16
0034	0033	715765.00	715760.00	7184600.00	7184585.00	30.08
0034	0034	715770.00	715765.00	7184600.00	7184585.00	30.12
0034	0035	715775.00	715770.00	7184600.00	7184585.00	30.68
0034	0036	715780.00	715775.00	7184600.00	7184585.00	30.92
0034	0037	715785.00	715780.00	7184600.00	7184585.00	31.40
0034	0038	715790.00	715785.00	7184600.00	7184585.00	31.36
0034	0039	715795.00	715790.00	7184600.00	7184585.00	32.99
0034	0040	715800.00	715795.00	7184600.00	7184585.00	33.86
0034	0041	715805.00	715800.00	7184600.00	7184585.00	34.94

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0034	0042	715810.00	715805.00	7184600.00	7184585.00	36.29
0034	0043	715815.00	715810.00	7184600.00	7184585.00	37.50
0034	0044	715820.00	715815.00	7184600.00	7184585.00	37.71
0034	0045	715825.00	715820.00	7184600.00	7184585.00	38.51
0034	0046	715830.00	715825.00	7184600.00	7184585.00	38.30
0034	0047	715835.00	715830.00	7184600.00	7184585.00	38.02
0034	0048	715840.00	715835.00	7184600.00	7184585.00	37.80
0034	0049	715845.00	715840.00	7184600.00	7184585.00	37.64
0034	0050	715850.00	715845.00	7184600.00	7184585.00	37.76
0034	0051	715855.00	715850.00	7184600.00	7184585.00	37.87
0034	0052	715860.00	715855.00	7184600.00	7184585.00	38.23
0034	0053	715865.00	715860.00	7184600.00	7184585.00	39.11
0034	0054	715870.00	715865.00	7184600.00	7184585.00	39.93
0034	0055	715875.00	715870.00	7184600.00	7184585.00	40.64
0034	0056	715880.00	715875.00	7184600.00	7184585.00	41.50
0034	0057	715885.00	715880.00	7184600.00	7184585.00	42.89
0034	0058	715890.00	715885.00	7184600.00	7184585.00	44.07
0034	0059	715895.00	715890.00	7184600.00	7184585.00	45.30
0034	0060	715900.00	715895.00	7184600.00	7184585.00	46.22
0034	0061	715905.00	715900.00	7184600.00	7184585.00	47.98
0034	0062	715910.00	715905.00	7184600.00	7184585.00	50.05
0034	0063	715915.00	715910.00	7184600.00	7184585.00	51.15
0034	0064	715920.00	715915.00	7184600.00	7184585.00	53.12
0034	0065	715925.00	715920.00	7184600.00	7184585.00	55.06
0034	0066	715930.00	715925.00	7184600.00	7184585.00	57.03
0035	0032	715760.00	715755.00	7184585.00	7184570.00	30.00
0035	0033	715765.00	715760.00	7184585.00	7184570.00	31.20
0035	0034	715770.00	715765.00	7184585.00	7184570.00	31.21
0035	0035	715775.00	715770.00	7184585.00	7184570.00	31.03
0035	0036	715780.00	715775.00	7184585.00	7184570.00	31.92
0035	0037	715785.00	715780.00	7184585.00	7184570.00	33.23
0035	0038	715790.00	715785.00	7184585.00	7184570.00	34.21
0035	0039	715795.00	715790.00	7184585.00	7184570.00	35.31
0035	0040	715800.00	715795.00	7184585.00	7184570.00	36.76
0035	0041	715805.00	715800.00	7184585.00	7184570.00	37.68
0035	0042	715810.00	715805.00	7184585.00	7184570.00	39.02
0035	0043	715815.00	715810.00	7184585.00	7184570.00	39.97
0035	0044	715820.00	715815.00	7184585.00	7184570.00	40.95

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0035	0045	715825.00	715820.00	7184585.00	7184570.00	41.96
0035	0046	715830.00	715825.00	7184585.00	7184570.00	41.18
0035	0047	715835.00	715830.00	7184585.00	7184570.00	40.71
0035	0048	715840.00	715835.00	7184585.00	7184570.00	39.81
0035	0049	715845.00	715840.00	7184585.00	7184570.00	39.36
0035	0050	715850.00	715845.00	7184585.00	7184570.00	38.86
0035	0051	715855.00	715850.00	7184585.00	7184570.00	38.42
0035	0052	715860.00	715855.00	7184585.00	7184570.00	38.39
0035	0053	715865.00	715860.00	7184585.00	7184570.00	38.66
0035	0054	715870.00	715865.00	7184585.00	7184570.00	39.38
0035	0055	715875.00	715870.00	7184585.00	7184570.00	40.34
0035	0056	715880.00	715875.00	7184585.00	7184570.00	41.27
0035	0057	715885.00	715880.00	7184585.00	7184570.00	42.98
0035	0058	715890.00	715885.00	7184585.00	7184570.00	44.52
0035	0059	715895.00	715890.00	7184585.00	7184570.00	45.77
0035	0060	715900.00	715895.00	7184585.00	7184570.00	47.60
0035	0061	715905.00	715900.00	7184585.00	7184570.00	48.73
0035	0062	715910.00	715905.00	7184585.00	7184570.00	50.20
0035	0063	715915.00	715910.00	7184585.00	7184570.00	52.22
0035	0064	715920.00	715915.00	7184585.00	7184570.00	53.64
0035	0065	715925.00	715920.00	7184585.00	7184570.00	55.71
0035	0066	715930.00	715925.00	7184585.00	7184570.00	56.90
0036	0033	715765.00	715760.00	7184570.00	7184555.00	33.00
0036	0034	715770.00	715765.00	7184570.00	7184555.00	33.28
0036	0035	715775.00	715770.00	7184570.00	7184555.00	33.63
0036	0036	715780.00	715775.00	7184570.00	7184555.00	34.27
0036	0037	715785.00	715780.00	7184570.00	7184555.00	35.00
0036	0038	715790.00	715785.00	7184570.00	7184555.00	36.12
0036	0039	715795.00	715790.00	7184570.00	7184555.00	36.86
0036	0040	715800.00	715795.00	7184570.00	7184555.00	38.69
0036	0041	715805.00	715800.00	7184570.00	7184555.00	39.98
0036	0042	715810.00	715805.00	7184570.00	7184555.00	41.47
0036	0043	715815.00	715810.00	7184570.00	7184555.00	42.52
0036	0044	715820.00	715815.00	7184570.00	7184555.00	43.89
0036	0045	715825.00	715820.00	7184570.00	7184555.00	43.44
0036	0046	715830.00	715825.00	7184570.00	7184555.00	42.66
0036	0047	715835.00	715830.00	7184570.00	7184555.00	42.06
0036	0048	715840.00	715835.00	7184570.00	7184555.00	41.71

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0036	0049	715845.00	715840.00	7184570.00	7184555.00	40.83
0036	0050	715850.00	715845.00	7184570.00	7184555.00	40.33
0036	0051	715855.00	715850.00	7184570.00	7184555.00	39.89
0036	0052	715860.00	715855.00	7184570.00	7184555.00	39.97
0036	0053	715865.00	715860.00	7184570.00	7184555.00	40.09
0036	0054	715870.00	715865.00	7184570.00	7184555.00	40.35
0036	0055	715875.00	715870.00	7184570.00	7184555.00	41.09
0036	0056	715880.00	715875.00	7184570.00	7184555.00	42.08
0036	0057	715885.00	715880.00	7184570.00	7184555.00	43.99
0036	0058	715890.00	715885.00	7184570.00	7184555.00	45.05
0036	0059	715895.00	715890.00	7184570.00	7184555.00	46.90
0036	0060	715900.00	715895.00	7184570.00	7184555.00	48.00
0036	0061	715905.00	715900.00	7184570.00	7184555.00	49.57
0036	0062	715910.00	715905.00	7184570.00	7184555.00	51.04
0036	0063	715915.00	715910.00	7184570.00	7184555.00	52.74
0036	0064	715920.00	715915.00	7184570.00	7184555.00	54.40
0036	0065	715925.00	715920.00	7184570.00	7184555.00	55.70
0036	0066	715930.00	715925.00	7184570.00	7184555.00	56.55
0037	0032	715760.00	715755.00	7184555.00	7184540.00	33.00
0037	0033	715765.00	715760.00	7184555.00	7184540.00	34.04
0037	0034	715770.00	715765.00	7184555.00	7184540.00	34.14
0037	0035	715775.00	715770.00	7184555.00	7184540.00	34.86
0037	0036	715780.00	715775.00	7184555.00	7184540.00	36.12
0037	0037	715785.00	715780.00	7184555.00	7184540.00	36.23
0037	0038	715790.00	715785.00	7184555.00	7184540.00	38.28
0037	0039	715795.00	715790.00	7184555.00	7184540.00	39.19
0037	0040	715800.00	715795.00	7184555.00	7184540.00	40.45
0037	0041	715805.00	715800.00	7184555.00	7184540.00	41.60
0037	0042	715810.00	715805.00	7184555.00	7184540.00	43.01
0037	0043	715815.00	715810.00	7184555.00	7184540.00	44.13
0037	0044	715820.00	715815.00	7184555.00	7184540.00	45.02
0037	0045	715825.00	715820.00	7184555.00	7184540.00	45.80
0037	0046	715830.00	715825.00	7184555.00	7184540.00	44.48
0037	0047	715835.00	715830.00	7184555.00	7184540.00	44.78
0037	0048	715840.00	715835.00	7184555.00	7184540.00	43.97
0037	0049	715845.00	715840.00	7184555.00	7184540.00	43.04
0037	0050	715850.00	715845.00	7184555.00	7184540.00	42.27
0037	0051	715855.00	715850.00	7184555.00	7184540.00	42.74

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0037	0052	715860.00	715855.00	7184555.00	7184540.00	42.46
0037	0053	715865.00	715860.00	7184555.00	7184540.00	43.18
0037	0054	715870.00	715865.00	7184555.00	7184540.00	43.21
0037	0055	715875.00	715870.00	7184555.00	7184540.00	43.66
0037	0056	715880.00	715875.00	7184555.00	7184540.00	44.50
0037	0057	715885.00	715880.00	7184555.00	7184540.00	44.96
0037	0058	715890.00	715885.00	7184555.00	7184540.00	46.74
0037	0059	715895.00	715890.00	7184555.00	7184540.00	48.09
0037	0060	715900.00	715895.00	7184555.00	7184540.00	49.80
0037	0061	715905.00	715900.00	7184555.00	7184540.00	50.59
0037	0062	715910.00	715905.00	7184555.00	7184540.00	52.12
0037	0063	715915.00	715910.00	7184555.00	7184540.00	54.09
0037	0064	715920.00	715915.00	7184555.00	7184540.00	55.55
0037	0065	715925.00	715920.00	7184555.00	7184540.00	56.83
0037	0066	715930.00	715925.00	7184555.00	7184540.00	58.33
0038	0032	715760.00	715755.00	7184540.00	7184525.00	36.00
0038	0033	715765.00	715760.00	7184540.00	7184525.00	36.34
0038	0034	715770.00	715765.00	7184540.00	7184525.00	36.40
0038	0035	715775.00	715770.00	7184540.00	7184525.00	38.28
0038	0037	715785.00	715780.00	7184540.00	7184525.00	39.94
0038	0038	715790.00	715785.00	7184540.00	7184525.00	41.18
0038	0039	715795.00	715790.00	7184540.00	7184525.00	42.88
0038	0040	715800.00	715795.00	7184540.00	7184525.00	44.19
0038	0041	715805.00	715800.00	7184540.00	7184525.00	45.92
0038	0042	715810.00	715805.00	7184540.00	7184525.00	47.36
0038	0043	715815.00	715810.00	7184540.00	7184525.00	48.44
0038	0044	715820.00	715815.00	7184540.00	7184525.00	49.55
0038	0045	715825.00	715820.00	7184540.00	7184525.00	49.57
0038	0046	715830.00	715825.00	7184540.00	7184525.00	48.97
0038	0047	715835.00	715830.00	7184540.00	7184525.00	48.27
0038	0048	715840.00	715835.00	7184540.00	7184525.00	47.58
0038	0049	715845.00	715840.00	7184540.00	7184525.00	47.28
0038	0050	715850.00	715845.00	7184540.00	7184525.00	47.06
0038	0051	715855.00	715850.00	7184540.00	7184525.00	47.17
0038	0052	715860.00	715855.00	7184540.00	7184525.00	47.34
0038	0053	715865.00	715860.00	7184540.00	7184525.00	47.09
0038	0054	715870.00	715865.00	7184540.00	7184525.00	46.23

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0038	0055	715875.00	715870.00	7184540.00	7184525.00	46.91
0038	0056	715880.00	715875.00	7184540.00	7184525.00	47.40
0038	0057	715885.00	715880.00	7184540.00	7184525.00	48.00
0038	0058	715890.00	715885.00	7184540.00	7184525.00	49.37
0038	0059	715895.00	715890.00	7184540.00	7184525.00	50.45
0038	0060	715900.00	715895.00	7184540.00	7184525.00	51.68
0038	0061	715905.00	715900.00	7184540.00	7184525.00	53.34
0038	0062	715910.00	715905.00	7184540.00	7184525.00	54.94
0038	0063	715915.00	715910.00	7184540.00	7184525.00	56.03
0038	0064	715920.00	715915.00	7184540.00	7184525.00	57.94
0038	0065	715925.00	715920.00	7184540.00	7184525.00	58.90
0038	0066	715930.00	715925.00	7184540.00	7184525.00	60.13
0039	0032	715760.00	715755.00	7184525.00	7184510.00	33.00
0039	0033	715765.00	715760.00	7184525.00	7184510.00	34.57
0039	0034	715770.00	715765.00	7184525.00	7184510.00	34.49
0039	0035	715775.00	715770.00	7184525.00	7184510.00	35.35
0039	0036	715780.00	715775.00	7184525.00	7184510.00	36.41
0039	0037	715785.00	715780.00	7184525.00	7184510.00	38.88
0039	0038	715790.00	715785.00	7184525.00	7184510.00	39.97
0039	0039	715795.00	715790.00	7184525.00	7184510.00	41.72
0039	0040	715800.00	715795.00	7184525.00	7184510.00	43.91
0039	0041	715805.00	715800.00	7184525.00	7184510.00	44.89
0039	0042	715810.00	715805.00	7184525.00	7184510.00	46.15
0039	0043	715815.00	715810.00	7184525.00	7184510.00	47.92
0039	0044	715820.00	715815.00	7184525.00	7184510.00	48.73
0039	0045	715825.00	715820.00	7184525.00	7184510.00	49.16
0039	0046	715830.00	715825.00	7184525.00	7184510.00	49.99
0039	0047	715835.00	715830.00	7184525.00	7184510.00	51.42
0039	0048	715840.00	715835.00	7184525.00	7184510.00	51.57
0039	0049	715845.00	715840.00	7184525.00	7184510.00	52.41
0039	0050	715850.00	715845.00	7184525.00	7184510.00	52.99
0039	0051	715855.00	715850.00	7184525.00	7184510.00	52.85
0039	0052	715860.00	715855.00	7184525.00	7184510.00	53.02
0039	0053	715865.00	715860.00	7184525.00	7184510.00	53.01
0039	0054	715870.00	715865.00	7184525.00	7184510.00	53.07
0039	0055	715875.00	715870.00	7184525.00	7184510.00	53.23
0039	0056	715880.00	715875.00	7184525.00	7184510.00	52.69
0039	0057	715885.00	715880.00	7184525.00	7184510.00	51.92

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0039	0058	715890.00	715885.00	7184525.00	7184510.00	51.26
0039	0059	715895.00	715890.00	7184525.00	7184510.00	51.33
0039	0060	715900.00	715895.00	7184525.00	7184510.00	52.87
0039	0061	715905.00	715900.00	7184525.00	7184510.00	53.38
0039	0062	715910.00	715905.00	7184525.00	7184510.00	54.92
0039	0063	715915.00	715910.00	7184525.00	7184510.00	56.70
0039	0064	715920.00	715915.00	7184525.00	7184510.00	58.04
0039	0065	715925.00	715920.00	7184525.00	7184510.00	59.89
0039	0066	715930.00	715925.00	7184525.00	7184510.00	60.62
0040	0032	715760.00	715755.00	7184510.00	7184495.00	30.70
0040	0033	715765.00	715760.00	7184510.00	7184495.00	30.77
0040	0034	715770.00	715765.00	7184510.00	7184495.00	31.50
0040	0035	715775.00	715770.00	7184510.00	7184495.00	31.59
0040	0036	715780.00	715775.00	7184510.00	7184495.00	33.25
0040	0037	715785.00	715780.00	7184510.00	7184495.00	33.92
0040	0038	715790.00	715785.00	7184510.00	7184495.00	35.08
0040	0039	715795.00	715790.00	7184510.00	7184495.00	36.36
0040	0040	715800.00	715795.00	7184510.00	7184495.00	37.99
0040	0041	715805.00	715800.00	7184510.00	7184495.00	38.88
0040	0042	715810.00	715805.00	7184510.00	7184495.00	40.58
0040	0043	715815.00	715810.00	7184510.00	7184495.00	42.41
0040	0044	715820.00	715815.00	7184510.00	7184495.00	43.35
0040	0045	715825.00	715820.00	7184510.00	7184495.00	44.41
0040	0046	715830.00	715825.00	7184510.00	7184495.00	47.55
0040	0047	715835.00	715830.00	7184510.00	7184495.00	50.64
0040	0048	715840.00	715835.00	7184510.00	7184495.00	53.10
0040	0049	715845.00	715840.00	7184510.00	7184495.00	56.00
0040	0050	715850.00	715845.00	7184510.00	7184495.00	58.40
0040	0051	715855.00	715850.00	7184510.00	7184495.00	58.92
0040	0052	715860.00	715855.00	7184510.00	7184495.00	58.29
0040	0053	715865.00	715860.00	7184510.00	7184495.00	58.51
0040	0054	715870.00	715865.00	7184510.00	7184495.00	58.14
0040	0055	715875.00	715870.00	7184510.00	7184495.00	57.44
0040	0056	715880.00	715875.00	7184510.00	7184495.00	56.15
0040	0057	715885.00	715880.00	7184510.00	7184495.00	54.92
0040	0058	715890.00	715885.00	7184510.00	7184495.00	53.70
0040	0059	715895.00	715890.00	7184510.00	7184495.00	52.39
0040	0060	715900.00	715895.00	7184510.00	7184495.00	50.78

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0040	0061	715905.00	715900.00	7184510.00	7184495.00	51.18
0040	0062	715910.00	715905.00	7184510.00	7184495.00	52.64
0040	0063	715915.00	715910.00	7184510.00	7184495.00	53.63
0040	0064	715920.00	715915.00	7184510.00	7184495.00	56.40
0040	0065	715925.00	715920.00	7184510.00	7184495.00	57.25
0040	0066	715930.00	715925.00	7184510.00	7184495.00	58.59
0041	0032	715760.00	715755.00	7184495.00	7184480.00	27.05
0041	0033	715765.00	715760.00	7184495.00	7184480.00	27.54
0041	0034	715770.00	715765.00	7184495.00	7184480.00	27.80
0041	0035	715775.00	715770.00	7184495.00	7184480.00	28.66
0041	0036	715780.00	715775.00	7184495.00	7184480.00	29.44
0041	0037	715785.00	715780.00	7184495.00	7184480.00	30.52
0041	0038	715790.00	715785.00	7184495.00	7184480.00	31.81
0041	0039	715795.00	715790.00	7184495.00	7184480.00	33.16
0041	0040	715800.00	715795.00	7184495.00	7184480.00	34.48
0041	0041	715805.00	715800.00	7184495.00	7184480.00	35.81
0041	0042	715810.00	715805.00	7184495.00	7184480.00	36.95
0041	0043	715815.00	715810.00	7184495.00	7184480.00	38.91
0041	0044	715820.00	715815.00	7184495.00	7184480.00	41.30
0041	0045	715825.00	715820.00	7184495.00	7184480.00	44.29
0041	0046	715830.00	715825.00	7184495.00	7184480.00	46.12
0041	0047	715835.00	715830.00	7184495.00	7184480.00	49.77
0041	0048	715840.00	715835.00	7184495.00	7184480.00	53.44
0041	0049	715845.00	715840.00	7184495.00	7184480.00	56.33
0041	0050	715850.00	715845.00	7184495.00	7184480.00	59.86
0041	0051	715855.00	715850.00	7184495.00	7184480.00	62.02
0041	0052	715860.00	715855.00	7184495.00	7184480.00	62.28
0041	0053	715865.00	715860.00	7184495.00	7184480.00	62.40
0041	0054	715870.00	715865.00	7184495.00	7184480.00	61.43
0041	0055	715875.00	715870.00	7184495.00	7184480.00	60.80
0041	0056	715880.00	715875.00	7184495.00	7184480.00	58.89
0041	0057	715885.00	715880.00	7184495.00	7184480.00	57.97
0041	0058	715890.00	715885.00	7184495.00	7184480.00	56.49
0041	0059	715895.00	715890.00	7184495.00	7184480.00	54.73
0041	0060	715900.00	715895.00	7184495.00	7184480.00	52.82
0041	0061	715905.00	715900.00	7184495.00	7184480.00	51.27
0041	0062	715910.00	715905.00	7184495.00	7184480.00	49.39
0041	0063	715915.00	715910.00	7184495.00	7184480.00	50.83

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0041	0064	715920.00	715915.00	7184495.00	7184480.00	52.37
0041	0065	715925.00	715920.00	7184495.00	7184480.00	53.49
0041	0066	715930.00	715925.00	7184495.00	7184480.00	55.32
0042	0032	715760.00	715755.00	7184480.00	7184465.00	26.00
0042	0033	715765.00	715760.00	7184480.00	7184465.00	26.29
0042	0034	715770.00	715765.00	7184480.00	7184465.00	26.73
0042	0035	715775.00	715770.00	7184480.00	7184465.00	27.17
0042	0036	715780.00	715775.00	7184480.00	7184465.00	27.61
0042	0037	715785.00	715780.00	7184480.00	7184465.00	28.82
0042	0038	715790.00	715785.00	7184480.00	7184465.00	30.04
0042	0039	715795.00	715790.00	7184480.00	7184465.00	31.00
0042	0040	715800.00	715795.00	7184480.00	7184465.00	32.23
0042	0041	715805.00	715800.00	7184480.00	7184465.00	34.18
0042	0042	715810.00	715805.00	7184480.00	7184465.00	35.06
0042	0043	715815.00	715810.00	7184480.00	7184465.00	37.02
0042	0044	715820.00	715815.00	7184480.00	7184465.00	39.45
0042	0045	715825.00	715820.00	7184480.00	7184465.00	41.40
0042	0046	715830.00	715825.00	7184480.00	7184465.00	45.29
0042	0047	715835.00	715830.00	7184480.00	7184465.00	48.28
0042	0048	715840.00	715835.00	7184480.00	7184465.00	51.92
0042	0049	715845.00	715840.00	7184480.00	7184465.00	55.63
0042	0050	715850.00	715845.00	7184480.00	7184465.00	59.61
0042	0051	715855.00	715850.00	7184480.00	7184465.00	63.68
0042	0052	715860.00	715855.00	7184480.00	7184465.00	64.47
0042	0053	715865.00	715860.00	7184480.00	7184465.00	64.82
0042	0054	715870.00	715865.00	7184480.00	7184465.00	64.18
0042	0055	715875.00	715870.00	7184480.00	7184465.00	63.05
0042	0056	715880.00	715875.00	7184480.00	7184465.00	61.48
0042	0057	715885.00	715880.00	7184480.00	7184465.00	61.02
0042	0058	715890.00	715885.00	7184480.00	7184465.00	58.77
0042	0059	715895.00	715890.00	7184480.00	7184465.00	57.00
0042	0060	715900.00	715895.00	7184480.00	7184465.00	54.54
0042	0061	715905.00	715900.00	7184480.00	7184465.00	52.12
0042	0062	715910.00	715905.00	7184480.00	7184465.00	50.25
0042	0063	715915.00	715910.00	7184480.00	7184465.00	49.59
0042	0064	715920.00	715915.00	7184480.00	7184465.00	49.54
0042	0065	715925.00	715920.00	7184480.00	7184465.00	49.58
0042	0066	715930.00	715925.00	7184480.00	7184465.00	50.86

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0043	0032	715760.00	715755.00	7184465.00	7184450.00	26.00
0043	0033	715765.00	715760.00	7184465.00	7184450.00	26.25
0043	0034	715770.00	715765.00	7184465.00	7184450.00	26.45
0043	0035	715775.00	715770.00	7184465.00	7184450.00	26.97
0043	0036	715780.00	715775.00	7184465.00	7184450.00	27.69
0043	0037	715785.00	715780.00	7184465.00	7184450.00	28.52
0043	0038	715790.00	715785.00	7184465.00	7184450.00	30.02
0043	0039	715795.00	715790.00	7184465.00	7184450.00	30.90
0043	0040	715800.00	715795.00	7184465.00	7184450.00	31.88
0043	0041	715805.00	715800.00	7184465.00	7184450.00	33.65
0043	0042	715810.00	715805.00	7184465.00	7184450.00	34.47
0043	0043	715815.00	715810.00	7184465.00	7184450.00	36.02
0043	0044	715820.00	715815.00	7184465.00	7184450.00	38.03
0043	0045	715825.00	715820.00	7184465.00	7184450.00	39.47
0043	0046	715830.00	715825.00	7184465.00	7184450.00	42.30
0043	0047	715835.00	715830.00	7184465.00	7184450.00	44.69
0043	0048	715840.00	715835.00	7184465.00	7184450.00	48.43
0043	0049	715845.00	715840.00	7184465.00	7184450.00	52.05
0043	0050	715850.00	715845.00	7184465.00	7184450.00	56.17
0043	0051	715855.00	715850.00	7184465.00	7184450.00	58.96
0043	0052	715860.00	715855.00	7184465.00	7184450.00	62.10
0043	0053	715865.00	715860.00	7184465.00	7184450.00	64.10
0043	0054	715870.00	715865.00	7184465.00	7184450.00	64.13
0043	0055	715875.00	715870.00	7184465.00	7184450.00	63.57
0043	0056	715880.00	715875.00	7184465.00	7184450.00	62.15
0043	0057	715885.00	715880.00	7184465.00	7184450.00	60.99
0043	0058	715890.00	715885.00	7184465.00	7184450.00	60.09
0043	0059	715895.00	715890.00	7184465.00	7184450.00	57.70
0043	0060	715900.00	715895.00	7184465.00	7184450.00	55.40
0043	0061	715905.00	715900.00	7184465.00	7184450.00	52.73
0043	0062	715910.00	715905.00	7184465.00	7184450.00	50.93
0043	0063	715915.00	715910.00	7184465.00	7184450.00	49.81
0043	0064	715920.00	715915.00	7184465.00	7184450.00	48.76
0043	0065	715925.00	715920.00	7184465.00	7184450.00	47.89
0043	0066	715930.00	715925.00	7184465.00	7184450.00	48.86
0044	0032	715760.00	715755.00	7184450.00	7184435.00	26.00
0044	0033	715765.00	715760.00	7184450.00	7184435.00	26.22
0044	0034	715770.00	715765.00	7184450.00	7184435.00	26.07

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0044	0035	715775.00	715770.00	7184450.00	7184435.00	26.34
0044	0036	715780.00	715775.00	7184450.00	7184435.00	27.45
0044	0037	715785.00	715780.00	7184450.00	7184435.00	28.78
0044	0038	715790.00	715785.00	7184450.00	7184435.00	29.73
0044	0039	715795.00	715790.00	7184450.00	7184435.00	30.75
0044	0040	715800.00	715795.00	7184450.00	7184435.00	31.80
0044	0041	715805.00	715800.00	7184450.00	7184435.00	32.76
0044	0042	715810.00	715805.00	7184450.00	7184435.00	34.03
0044	0043	715815.00	715810.00	7184450.00	7184435.00	34.53
0044	0044	715820.00	715815.00	7184450.00	7184435.00	36.70
0044	0045	715825.00	715820.00	7184450.00	7184435.00	38.07
0044	0046	715830.00	715825.00	7184450.00	7184435.00	40.74
0044	0047	715835.00	715830.00	7184450.00	7184435.00	41.96
0044	0048	715840.00	715835.00	7184450.00	7184435.00	45.44
0044	0049	715845.00	715840.00	7184450.00	7184435.00	49.20
0044	0050	715850.00	715845.00	7184450.00	7184435.00	52.66
0044	0051	715855.00	715850.00	7184450.00	7184435.00	56.54
0044	0052	715860.00	715855.00	7184450.00	7184435.00	59.20
0044	0053	715865.00	715860.00	7184450.00	7184435.00	61.75
0044	0054	715870.00	715865.00	7184450.00	7184435.00	63.42
0044	0055	715875.00	715870.00	7184450.00	7184435.00	64.79
0044	0056	715880.00	715875.00	7184450.00	7184435.00	63.98
0044	0057	715885.00	715880.00	7184450.00	7184435.00	62.58
0044	0058	715890.00	715885.00	7184450.00	7184435.00	60.31
0044	0059	715895.00	715890.00	7184450.00	7184435.00	58.63
0044	0060	715900.00	715895.00	7184450.00	7184435.00	56.25
0044	0061	715905.00	715900.00	7184450.00	7184435.00	54.55
0044	0062	715910.00	715905.00	7184450.00	7184435.00	51.97
0044	0063	715915.00	715910.00	7184450.00	7184435.00	50.53
0044	0064	715920.00	715915.00	7184450.00	7184435.00	48.97
0044	0065	715925.00	715920.00	7184450.00	7184435.00	50.81
0044	0066	715930.00	715925.00	7184450.00	7184435.00	48.34
0045	0032	715760.00	715755.00	7184435.00	7184420.00	26.00
0045	0033	715765.00	715760.00	7184435.00	7184420.00	26.29
0045	0034	715770.00	715765.00	7184435.00	7184420.00	26.20
0045	0035	715775.00	715770.00	7184435.00	7184420.00	26.07
0045	0036	715780.00	715775.00	7184435.00	7184420.00	26.86
0045	0037	715785.00	715780.00	7184435.00	7184420.00	28.27

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0045	0038	715790.00	715785.00	7184435.00	7184420.00	29.19
0045	0039	715795.00	715790.00	7184435.00	7184420.00	29.49
0045	0040	715800.00	715795.00	7184435.00	7184420.00	30.99
0045	0041	715805.00	715800.00	7184435.00	7184420.00	31.65
0045	0042	715810.00	715805.00	7184435.00	7184420.00	32.85
0045	0043	715815.00	715810.00	7184435.00	7184420.00	33.35
0045	0044	715820.00	715815.00	7184435.00	7184420.00	35.03
0045	0045	715825.00	715820.00	7184435.00	7184420.00	36.84
0045	0046	715830.00	715825.00	7184435.00	7184420.00	37.93
0045	0047	715835.00	715830.00	7184435.00	7184420.00	41.20
0045	0048	715840.00	715835.00	7184435.00	7184420.00	43.07
0045	0049	715845.00	715840.00	7184435.00	7184420.00	47.26
0045	0050	715850.00	715845.00	7184435.00	7184420.00	51.38
0045	0051	715855.00	715850.00	7184435.00	7184420.00	54.69
0045	0052	715860.00	715855.00	7184435.00	7184420.00	59.03
0045	0053	715865.00	715860.00	7184435.00	7184420.00	60.92
0045	0054	715870.00	715865.00	7184435.00	7184420.00	62.84
0045	0055	715875.00	715870.00	7184435.00	7184420.00	64.48
0045	0056	715880.00	715875.00	7184435.00	7184420.00	64.84
0045	0057	715885.00	715880.00	7184435.00	7184420.00	64.66
0045	0058	715890.00	715885.00	7184435.00	7184420.00	62.81
0045	0059	715895.00	715890.00	7184435.00	7184420.00	60.29
0045	0060	715900.00	715895.00	7184435.00	7184420.00	58.25
0045	0061	715905.00	715900.00	7184435.00	7184420.00	55.61
0045	0062	715910.00	715905.00	7184435.00	7184420.00	53.07
0045	0063	715915.00	715910.00	7184435.00	7184420.00	51.69
0045	0064	715920.00	715915.00	7184435.00	7184420.00	50.33
0045	0065	715925.00	715920.00	7184435.00	7184420.00	48.19
0045	0066	715930.00	715925.00	7184435.00	7184420.00	47.54
0046	0033	715765.00	715760.00	7184420.00	7184405.00	26.00
0046	0034	715770.00	715765.00	7184420.00	7184405.00	26.00
0046	0035	715775.00	715770.00	7184420.00	7184405.00	26.00
0046	0036	715780.00	715775.00	7184420.00	7184405.00	27.11
0046	0037	715785.00	715780.00	7184420.00	7184405.00	28.41
0046	0038	715790.00	715785.00	7184420.00	7184405.00	28.85
0046	0039	715795.00	715790.00	7184420.00	7184405.00	29.41
0046	0040	715800.00	715795.00	7184420.00	7184405.00	30.66
0046	0041	715805.00	715800.00	7184420.00	7184405.00	30.98

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0046	0042	715810.00	715805.00	7184420.00	7184405.00	32.48
0046	0043	715815.00	715810.00	7184420.00	7184405.00	33.60
0046	0044	715820.00	715815.00	7184420.00	7184405.00	35.27
0046	0045	715825.00	715820.00	7184420.00	7184405.00	36.18
0046	0046	715830.00	715825.00	7184420.00	7184405.00	38.54
0046	0047	715835.00	715830.00	7184420.00	7184405.00	41.30
0046	0048	715840.00	715835.00	7184420.00	7184405.00	44.56
0046	0049	715845.00	715840.00	7184420.00	7184405.00	47.17
0046	0050	715850.00	715845.00	7184420.00	7184405.00	49.09
0046	0051	715855.00	715850.00	7184420.00	7184405.00	53.63
0046	0052	715860.00	715855.00	7184420.00	7184405.00	56.91
0046	0053	715865.00	715860.00	7184420.00	7184405.00	60.35
0046	0054	715870.00	715865.00	7184420.00	7184405.00	62.75
0046	0055	715875.00	715870.00	7184420.00	7184405.00	63.83
0046	0056	715880.00	715875.00	7184420.00	7184405.00	64.68
0046	0057	715885.00	715880.00	7184420.00	7184405.00	63.41
0046	0058	715890.00	715885.00	7184420.00	7184405.00	62.37
0046	0059	715895.00	715890.00	7184420.00	7184405.00	60.88
0046	0060	715900.00	715895.00	7184420.00	7184405.00	58.70
0046	0061	715905.00	715900.00	7184420.00	7184405.00	56.99
0046	0062	715910.00	715905.00	7184420.00	7184405.00	54.38
0046	0063	715915.00	715910.00	7184420.00	7184405.00	53.01
0046	0064	715920.00	715915.00	7184420.00	7184405.00	51.45
0046	0065	715925.00	715920.00	7184420.00	7184405.00	49.75
0046	0066	715930.00	715925.00	7184420.00	7184405.00	48.39
0047	0036	715780.00	715775.00	7184405.00	7184390.00	28.00
0047	0037	715785.00	715780.00	7184405.00	7184390.00	28.27
0047	0038	715790.00	715785.00	7184405.00	7184390.00	28.36
0047	0039	715795.00	715790.00	7184405.00	7184390.00	28.68
0047	0040	715800.00	715795.00	7184405.00	7184390.00	29.97
0047	0041	715805.00	715800.00	7184405.00	7184390.00	30.58
0047	0042	715810.00	715805.00	7184405.00	7184390.00	32.34
0047	0043	715815.00	715810.00	7184405.00	7184390.00	33.80
0047	0044	715820.00	715815.00	7184405.00	7184390.00	35.12
0047	0045	715825.00	715820.00	7184405.00	7184390.00	37.10
0047	0046	715830.00	715825.00	7184405.00	7184390.00	39.83
0047	0047	715835.00	715830.00	7184405.00	7184390.00	41.38
0047	0048	715840.00	715835.00	7184405.00	7184390.00	45.90

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0047	0049	715845.00	715840.00	7184405.00	7184390.00	48.80
0047	0050	715850.00	715845.00	7184405.00	7184390.00	52.67
0047	0051	715855.00	715850.00	7184405.00	7184390.00	55.42
0047	0052	715860.00	715855.00	7184405.00	7184390.00	57.53
0047	0053	715865.00	715860.00	7184405.00	7184390.00	60.79
0047	0054	715870.00	715865.00	7184405.00	7184390.00	62.18
0047	0055	715875.00	715870.00	7184405.00	7184390.00	62.95
0047	0056	715880.00	715875.00	7184405.00	7184390.00	62.74
0047	0057	715885.00	715880.00	7184405.00	7184390.00	61.91
0047	0058	715890.00	715885.00	7184405.00	7184390.00	60.98
0047	0059	715895.00	715890.00	7184405.00	7184390.00	59.85
0047	0060	715900.00	715895.00	7184405.00	7184390.00	58.04
0047	0061	715905.00	715900.00	7184405.00	7184390.00	56.21
0047	0062	715910.00	715905.00	7184405.00	7184390.00	54.86
0047	0063	715915.00	715910.00	7184405.00	7184390.00	53.72
0047	0064	715920.00	715915.00	7184405.00	7184390.00	51.78
0047	0065	715925.00	715920.00	7184405.00	7184390.00	50.17
0047	0066	715930.00	715925.00	7184405.00	7184390.00	49.01
0048	0038	715790.00	715785.00	7184390.00	7184375.00	28.00
0048	0039	715795.00	715790.00	7184390.00	7184375.00	29.86
0048	0040	715800.00	715795.00	7184390.00	7184375.00	31.06
0048	0041	715805.00	715800.00	7184390.00	7184375.00	31.87
0048	0042	715810.00	715805.00	7184390.00	7184375.00	32.25
0048	0043	715815.00	715810.00	7184390.00	7184375.00	33.59
0048	0044	715820.00	715815.00	7184390.00	7184375.00	34.57
0048	0045	715825.00	715820.00	7184390.00	7184375.00	37.01
0048	0046	715830.00	715825.00	7184390.00	7184375.00	39.66
0048	0047	715835.00	715830.00	7184390.00	7184375.00	41.76
0048	0048	715840.00	715835.00	7184390.00	7184375.00	44.76
0048	0049	715845.00	715840.00	7184390.00	7184375.00	49.70
0048	0050	715850.00	715845.00	7184390.00	7184375.00	51.49
0048	0051	715855.00	715850.00	7184390.00	7184375.00	54.41
0048	0052	715860.00	715855.00	7184390.00	7184375.00	57.11
0048	0053	715865.00	715860.00	7184390.00	7184375.00	58.53
0048	0054	715870.00	715865.00	7184390.00	7184375.00	60.80
0048	0055	715875.00	715870.00	7184390.00	7184375.00	61.02
0048	0056	715880.00	715875.00	7184390.00	7184375.00	60.95
0048	0057	715885.00	715880.00	7184390.00	7184375.00	60.17

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0048	0058	715890.00	715885.00	7184390.00	7184375.00	58.92
0048	0059	715895.00	715890.00	7184390.00	7184375.00	57.56
0048	0060	715900.00	715895.00	7184390.00	7184375.00	55.59
0048	0061	715905.00	715900.00	7184390.00	7184375.00	54.85
0048	0062	715910.00	715905.00	7184390.00	7184375.00	52.89
0048	0063	715915.00	715910.00	7184390.00	7184375.00	51.39
0048	0064	715920.00	715915.00	7184390.00	7184375.00	49.86
0048	0065	715925.00	715920.00	7184390.00	7184375.00	49.20
0048	0066	715930.00	715925.00	7184390.00	7184375.00	47.94
0049	0039	715795.00	715790.00	7184375.00	7184360.00	31.00
0049	0040	715800.00	715795.00	7184375.00	7184360.00	31.94
0049	0041	715805.00	715800.00	7184375.00	7184360.00	32.00
0049	0042	715810.00	715805.00	7184375.00	7184360.00	32.06
0049	0043	715815.00	715810.00	7184375.00	7184360.00	33.13
0049	0044	715820.00	715815.00	7184375.00	7184360.00	34.81
0049	0045	715825.00	715820.00	7184375.00	7184360.00	37.29
0049	0046	715830.00	715825.00	7184375.00	7184360.00	39.54
0049	0047	715835.00	715830.00	7184375.00	7184360.00	41.66
0049	0048	715840.00	715835.00	7184375.00	7184360.00	43.96
0049	0049	715845.00	715840.00	7184375.00	7184360.00	47.43
0049	0050	715850.00	715845.00	7184375.00	7184360.00	50.33
0049	0051	715855.00	715850.00	7184375.00	7184360.00	53.02
0049	0052	715860.00	715855.00	7184375.00	7184360.00	55.16
0049	0053	715865.00	715860.00	7184375.00	7184360.00	56.99
0049	0054	715870.00	715865.00	7184375.00	7184360.00	58.09
0049	0055	715875.00	715870.00	7184375.00	7184360.00	58.38
0049	0056	715880.00	715875.00	7184375.00	7184360.00	57.94
0049	0057	715885.00	715880.00	7184375.00	7184360.00	57.71
0049	0058	715890.00	715885.00	7184375.00	7184360.00	56.18
0049	0059	715895.00	715890.00	7184375.00	7184360.00	55.32
0049	0060	715900.00	715895.00	7184375.00	7184360.00	53.69
0049	0061	715905.00	715900.00	7184375.00	7184360.00	51.97
0049	0062	715910.00	715905.00	7184375.00	7184360.00	50.38
0049	0063	715915.00	715910.00	7184375.00	7184360.00	49.45
0049	0064	715920.00	715915.00	7184375.00	7184360.00	47.44
0049	0065	715925.00	715920.00	7184375.00	7184360.00	45.85
0049	0066	715930.00	715925.00	7184375.00	7184360.00	44.99
0050	0039	715795.00	715790.00	7184360.00	7184345.00	30.00

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0050	0040	715800.00	715795.00	7184360.00	7184345.00	30.38
0050	0041	715805.00	715800.00	7184360.00	7184345.00	30.78
0050	0042	715810.00	715805.00	7184360.00	7184345.00	31.13
0050	0043	715815.00	715810.00	7184360.00	7184345.00	32.69
0050	0044	715820.00	715815.00	7184360.00	7184345.00	33.86
0050	0045	715825.00	715820.00	7184360.00	7184345.00	36.92
0050	0046	715830.00	715825.00	7184360.00	7184345.00	38.67
0050	0047	715835.00	715830.00	7184360.00	7184345.00	42.00
0050	0048	715840.00	715835.00	7184360.00	7184345.00	44.55
0050	0049	715845.00	715840.00	7184360.00	7184345.00	47.14
0050	0050	715850.00	715845.00	7184360.00	7184345.00	49.50
0050	0051	715855.00	715850.00	7184360.00	7184345.00	51.82
0050	0052	715860.00	715855.00	7184360.00	7184345.00	53.27
0050	0053	715865.00	715860.00	7184360.00	7184345.00	54.72
0050	0054	715870.00	715865.00	7184360.00	7184345.00	55.39
0050	0055	715875.00	715870.00	7184360.00	7184345.00	55.88
0050	0056	715880.00	715875.00	7184360.00	7184345.00	55.22
0050	0057	715885.00	715880.00	7184360.00	7184345.00	54.30
0050	0058	715890.00	715885.00	7184360.00	7184345.00	53.33
0050	0059	715895.00	715890.00	7184360.00	7184345.00	52.17
0050	0060	715900.00	715895.00	7184360.00	7184345.00	51.09
0050	0061	715905.00	715900.00	7184360.00	7184345.00	49.94
0050	0062	715910.00	715905.00	7184360.00	7184345.00	47.69
0050	0063	715915.00	715910.00	7184360.00	7184345.00	45.94
0050	0064	715920.00	715915.00	7184360.00	7184345.00	44.36
0050	0065	715925.00	715920.00	7184360.00	7184345.00	42.63
0050	0066	715930.00	715925.00	7184360.00	7184345.00	41.49
0051	0039	715795.00	715790.00	7184345.00	7184330.00	30.00
0051	0040	715800.00	715795.00	7184345.00	7184330.00	30.61
0051	0041	715805.00	715800.00	7184345.00	7184330.00	31.05
0051	0042	715810.00	715805.00	7184345.00	7184330.00	31.95
0051	0043	715815.00	715810.00	7184345.00	7184330.00	32.92
0051	0044	715820.00	715815.00	7184345.00	7184330.00	34.71
0051	0045	715825.00	715820.00	7184345.00	7184330.00	35.90
0051	0046	715830.00	715825.00	7184345.00	7184330.00	38.33
0051	0047	715835.00	715830.00	7184345.00	7184330.00	40.72
0051	0048	715840.00	715835.00	7184345.00	7184330.00	43.36
0051	0049	715845.00	715840.00	7184345.00	7184330.00	45.83

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0051	0050	715850.00	715845.00	7184345.00	7184330.00	48.16
0051	0051	715855.00	715850.00	7184345.00	7184330.00	49.46
0051	0052	715860.00	715855.00	7184345.00	7184330.00	51.05
0051	0053	715865.00	715860.00	7184345.00	7184330.00	52.81
0051	0054	715870.00	715865.00	7184345.00	7184330.00	52.75
0051	0055	715875.00	715870.00	7184345.00	7184330.00	52.72
0051	0056	715880.00	715875.00	7184345.00	7184330.00	52.23
0051	0057	715885.00	715880.00	7184345.00	7184330.00	51.99
0051	0058	715890.00	715885.00	7184345.00	7184330.00	51.10
0051	0059	715895.00	715890.00	7184345.00	7184330.00	50.30
0051	0060	715900.00	715895.00	7184345.00	7184330.00	48.77
0051	0061	715905.00	715900.00	7184345.00	7184330.00	47.67
0051	0062	715910.00	715905.00	7184345.00	7184330.00	46.00
0051	0063	715915.00	715910.00	7184345.00	7184330.00	44.90
0051	0064	715920.00	715915.00	7184345.00	7184330.00	43.15
0051	0065	715925.00	715920.00	7184345.00	7184330.00	41.99
0051	0066	715930.00	715925.00	7184345.00	7184330.00	41.10
0052	0039	715795.00	715790.00	7184330.00	7184315.00	30.00
0052	0040	715800.00	715795.00	7184330.00	7184315.00	30.82
0052	0041	715805.00	715800.00	7184330.00	7184315.00	31.21
0052	0042	715810.00	715805.00	7184330.00	7184315.00	31.64
0052	0043	715815.00	715810.00	7184330.00	7184315.00	32.71
0052	0044	715820.00	715815.00	7184330.00	7184315.00	33.93
0052	0045	715825.00	715820.00	7184330.00	7184315.00	35.19
0052	0046	715830.00	715825.00	7184330.00	7184315.00	37.37
0052	0047	715835.00	715830.00	7184330.00	7184315.00	39.53
0052	0048	715840.00	715835.00	7184330.00	7184315.00	40.92
0052	0049	715845.00	715840.00	7184330.00	7184315.00	43.67
0052	0050	715850.00	715845.00	7184330.00	7184315.00	45.44
0052	0051	715855.00	715850.00	7184330.00	7184315.00	46.97
0052	0052	715860.00	715855.00	7184330.00	7184315.00	48.62
0052	0053	715865.00	715860.00	7184330.00	7184315.00	49.06
0052	0054	715870.00	715865.00	7184330.00	7184315.00	50.08
0052	0055	715875.00	715870.00	7184330.00	7184315.00	49.93
0052	0056	715880.00	715875.00	7184330.00	7184315.00	49.49
0052	0057	715885.00	715880.00	7184330.00	7184315.00	48.76
0052	0058	715890.00	715885.00	7184330.00	7184315.00	48.15
0052	0059	715895.00	715890.00	7184330.00	7184315.00	47.69

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0052	0060	715900.00	715895.00	7184330.00	7184315.00	46.41
0052	0061	715905.00	715900.00	7184330.00	7184315.00	45.73
0052	0062	715910.00	715905.00	7184330.00	7184315.00	44.68
0052	0063	715915.00	715910.00	7184330.00	7184315.00	43.48
0052	0064	715920.00	715915.00	7184330.00	7184315.00	42.54
0052	0065	715925.00	715920.00	7184330.00	7184315.00	41.38
0052	0066	715930.00	715925.00	7184330.00	7184315.00	41.07
0053	0040	715800.00	715795.00	7184315.00	7184300.00	30.00
0053	0041	715805.00	715800.00	7184315.00	7184300.00	30.74
0053	0042	715810.00	715805.00	7184315.00	7184300.00	30.83
0053	0043	715815.00	715810.00	7184315.00	7184300.00	31.30
0053	0044	715820.00	715815.00	7184315.00	7184300.00	32.24
0053	0045	715825.00	715820.00	7184315.00	7184300.00	33.80
0053	0046	715830.00	715825.00	7184315.00	7184300.00	35.29
0053	0047	715835.00	715830.00	7184315.00	7184300.00	37.92
0053	0048	715840.00	715835.00	7184315.00	7184300.00	39.64
0053	0049	715845.00	715840.00	7184315.00	7184300.00	41.27
0053	0050	715850.00	715845.00	7184315.00	7184300.00	43.66
0053	0051	715855.00	715850.00	7184315.00	7184300.00	44.77
0053	0052	715860.00	715855.00	7184315.00	7184300.00	45.26
0053	0053	715865.00	715860.00	7184315.00	7184300.00	46.02
0053	0054	715870.00	715865.00	7184315.00	7184300.00	46.17
0053	0055	715875.00	715870.00	7184315.00	7184300.00	46.21
0053	0056	715880.00	715875.00	7184315.00	7184300.00	45.91
0053	0057	715885.00	715880.00	7184315.00	7184300.00	45.51
0053	0058	715890.00	715885.00	7184315.00	7184300.00	45.10
0053	0059	715895.00	715890.00	7184315.00	7184300.00	44.67
0053	0060	715900.00	715895.00	7184315.00	7184300.00	44.14
0053	0061	715905.00	715900.00	7184315.00	7184300.00	43.53
0053	0062	715910.00	715905.00	7184315.00	7184300.00	43.01
0053	0063	715915.00	715910.00	7184315.00	7184300.00	42.25
0053	0064	715920.00	715915.00	7184315.00	7184300.00	41.27
0053	0065	715925.00	715920.00	7184315.00	7184300.00	40.85
0053	0066	715930.00	715925.00	7184315.00	7184300.00	40.37
0054	0041	715805.00	715800.00	7184300.00	7184285.00	30.00
0054	0042	715810.00	715805.00	7184300.00	7184285.00	30.74
0054	0043	715815.00	715810.00	7184300.00	7184285.00	30.86
0054	0044	715820.00	715815.00	7184300.00	7184285.00	30.71

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0054	0045	715825.00	715820.00	7184300.00	7184285.00	32.30
0054	0046	715830.00	715825.00	7184300.00	7184285.00	34.16
0054	0047	715835.00	715830.00	7184300.00	7184285.00	35.98
0054	0048	715840.00	715835.00	7184300.00	7184285.00	37.75
0054	0049	715845.00	715840.00	7184300.00	7184285.00	39.40
0054	0050	715850.00	715845.00	7184300.00	7184285.00	41.12
0054	0051	715855.00	715850.00	7184300.00	7184285.00	41.77
0054	0052	715860.00	715855.00	7184300.00	7184285.00	41.97
0054	0053	715865.00	715860.00	7184300.00	7184285.00	41.96
0054	0054	715870.00	715865.00	7184300.00	7184285.00	42.03
0054	0055	715875.00	715870.00	7184300.00	7184285.00	42.34
0054	0056	715880.00	715875.00	7184300.00	7184285.00	41.50
0054	0057	715885.00	715880.00	7184300.00	7184285.00	41.77
0054	0058	715890.00	715885.00	7184300.00	7184285.00	41.39
0054	0059	715895.00	715890.00	7184300.00	7184285.00	41.25
0054	0060	715900.00	715895.00	7184300.00	7184285.00	41.10
0054	0061	715905.00	715900.00	7184300.00	7184285.00	40.96
0054	0062	715910.00	715905.00	7184300.00	7184285.00	40.90
0054	0063	715915.00	715910.00	7184300.00	7184285.00	40.65
0054	0064	715920.00	715915.00	7184300.00	7184285.00	40.06
0054	0065	715925.00	715920.00	7184300.00	7184285.00	40.00
0054	0066	715930.00	715925.00	7184300.00	7184285.00	40.14
0055	0041	715805.00	715800.00	7184285.00	7184270.00	30.50
0055	0042	715810.00	715805.00	7184285.00	7184270.00	31.92
0055	0043	715815.00	715810.00	7184285.00	7184270.00	31.73
0055	0044	715820.00	715815.00	7184285.00	7184270.00	31.37
0055	0045	715825.00	715820.00	7184285.00	7184270.00	33.34
0055	0046	715830.00	715825.00	7184285.00	7184270.00	35.05
0055	0047	715835.00	715830.00	7184285.00	7184270.00	36.38
0055	0048	715840.00	715835.00	7184285.00	7184270.00	37.36
0055	0049	715845.00	715840.00	7184285.00	7184270.00	37.79
0055	0050	715850.00	715845.00	7184285.00	7184270.00	38.11
0055	0051	715855.00	715850.00	7184285.00	7184270.00	38.47
0055	0052	715860.00	715855.00	7184285.00	7184270.00	38.04
0055	0053	715865.00	715860.00	7184285.00	7184270.00	37.92
0055	0054	715870.00	715865.00	7184285.00	7184270.00	37.74
0055	0055	715875.00	715870.00	7184285.00	7184270.00	37.74
0055	0056	715880.00	715875.00	7184285.00	7184270.00	37.85

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0055	0057	715885.00	715880.00	7184285.00	7184270.00	37.48
0055	0058	715890.00	715885.00	7184285.00	7184270.00	37.46
0055	0059	715895.00	715890.00	7184285.00	7184270.00	38.00
0055	0060	715900.00	715895.00	7184285.00	7184270.00	38.00
0055	0061	715905.00	715900.00	7184285.00	7184270.00	38.02
0055	0062	715910.00	715905.00	7184285.00	7184270.00	38.28
0055	0063	715915.00	715910.00	7184285.00	7184270.00	38.70
0055	0064	715920.00	715915.00	7184285.00	7184270.00	38.58
0055	0065	715925.00	715920.00	7184285.00	7184270.00	38.48
0055	0066	715930.00	715925.00	7184285.00	7184270.00	38.38
0056	0042	715810.00	715805.00	7184270.00	7184255.00	32.47
0056	0043	715815.00	715810.00	7184270.00	7184255.00	32.51
0056	0044	715820.00	715815.00	7184270.00	7184255.00	32.45
0056	0045	715825.00	715820.00	7184270.00	7184255.00	31.97
0056	0046	715830.00	715825.00	7184270.00	7184255.00	32.14
0056	0047	715835.00	715830.00	7184270.00	7184255.00	32.72
0056	0048	715840.00	715835.00	7184270.00	7184255.00	33.77
0056	0049	715845.00	715840.00	7184270.00	7184255.00	34.00
0056	0050	715850.00	715845.00	7184270.00	7184255.00	34.44
0056	0051	715855.00	715850.00	7184270.00	7184255.00	34.81
0056	0052	715860.00	715855.00	7184270.00	7184255.00	34.80
0056	0053	715865.00	715860.00	7184270.00	7184255.00	34.65
0056	0054	715870.00	715865.00	7184270.00	7184255.00	34.55
0056	0055	715875.00	715870.00	7184270.00	7184255.00	34.11
0056	0056	715880.00	715875.00	7184270.00	7184255.00	34.51
0056	0057	715885.00	715880.00	7184270.00	7184255.00	34.83
0056	0058	715890.00	715885.00	7184270.00	7184255.00	34.72
0056	0059	715895.00	715890.00	7184270.00	7184255.00	34.87
0056	0060	715900.00	715895.00	7184270.00	7184255.00	35.30
0056	0061	715905.00	715900.00	7184270.00	7184255.00	35.63
0056	0062	715910.00	715905.00	7184270.00	7184255.00	35.88
0056	0063	715915.00	715910.00	7184270.00	7184255.00	36.13
0056	0064	715920.00	715915.00	7184270.00	7184255.00	36.75
0056	0065	715925.00	715920.00	7184270.00	7184255.00	37.00
0056	0066	715930.00	715925.00	7184270.00	7184255.00	37.42
0057	0043	715815.00	715810.00	7184255.00	7184240.00	30.00
0057	0044	715820.00	715815.00	7184255.00	7184240.00	30.31
0057	0045	715825.00	715820.00	7184255.00	7184240.00	30.95

MINERAIS DO PARANA S.A.

RELATORIO DO MODELO DIGITAL DO TERRENO

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

Linha	Coluna	Coord Leste	Coord Oeste	Coord Norte	Coord Sul	Cota
0057	0046	715830.00	715825.00	7184255.00	7184240.00	30.89
0057	0047	715835.00	715830.00	7184255.00	7184240.00	31.12
0057	0048	715840.00	715835.00	7184255.00	7184240.00	30.48
0057	0049	715845.00	715840.00	7184255.00	7184240.00	30.63
0057	0050	715850.00	715845.00	7184255.00	7184240.00	31.63
0057	0051	715855.00	715850.00	7184255.00	7184240.00	31.59
0057	0052	715860.00	715855.00	7184255.00	7184240.00	31.42
0057	0053	715865.00	715860.00	7184255.00	7184240.00	32.02
0057	0054	715870.00	715865.00	7184255.00	7184240.00	32.05
0057	0055	715875.00	715870.00	7184255.00	7184240.00	32.27
0057	0056	715880.00	715875.00	7184255.00	7184240.00	32.62
0057	0057	715885.00	715880.00	7184255.00	7184240.00	32.72
0057	0058	715890.00	715885.00	7184255.00	7184240.00	32.39
0057	0059	715895.00	715890.00	7184255.00	7184240.00	32.63
0057	0060	715900.00	715895.00	7184255.00	7184240.00	33.11
0057	0061	715905.00	715900.00	7184255.00	7184240.00	33.23
0057	0062	715910.00	715905.00	7184255.00	7184240.00	34.02
0057	0063	715915.00	715910.00	7184255.00	7184240.00	34.20
0057	0064	715920.00	715915.00	7184255.00	7184240.00	35.10
0057	0065	715925.00	715920.00	7184255.00	7184240.00	35.28
0057	0066	715930.00	715925.00	7184255.00	7184240.00	35.88

ANEXO V. RELATÓRIO DO MODELO DE BLOCOS DA JAZIDA.

MINERAIS DO PARANA S.A.

RELATORIO RESUMO DO MBJ

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Quantidade de Blocos (Validos) : 2873

Coordenadas
Oeste : 715600.00
Leste : 715930.00
Sul : 7184245.00
Norte : 7185095.00

Cotas
Minima : -70.00
Maxima : 79.00

Densidade Media :2.60

Amplitude do variograma na direcao Leste/Oeste : 7.00

Amplitude do variograma na direcao Norte/Sul : 17.50

Amplitude do variograma na direcao Vertical : 12.50

Dimensao do bloco na direcao Leste/Oeste : 5.00

Dimensao do bloco na direcao Norte/Sul : 15.00

Dimensao do bloco na direcao Vertical : 10.00

Quantidade de blocos da direcao Leste/Oeste (Coluna) : 66

Quantidade de blocos da direcao Norte/Sul (Linha) : 57

Quantidade de blocos da direcao Vertical (Nivel) : 15

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0001	0002	0010	553.7604	1439.7771	71.9889	0.0500	INFERIDA	4
0001	0002	0011	552.1390	1435.5615	96.3568	0.0671	INFERIDA	9
0001	0002	0012	432.1664	1123.6326	110.8231	0.0986	INFERIDA	14
0001	0002	0013	513.2786	1334.5243	138.0131	0.1034	INFERIDA	18
0001	0002	0014	288.0188	748.8488	90.3943	0.1207	INFERIDA	18
0001	0002	0015	169.6566	441.1070	52.1687	0.1183	INFERIDA	16
0001	0003	0009	455.0205	1183.0532	59.1527	0.0500	INFERIDA	3
0001	0003	0010	632.6832	1644.9764	107.1032	0.0651	INFERIDA	8
0001	0003	0011	689.6363	1793.0544	159.8491	0.0891	INDICADA	13
0001	0003	0012	703.6307	1829.4399	167.0828	0.0913	INDICADA	18
0001	0003	0013	628.3516	1633.7143	173.7317	0.1063	INDICADA	23
0001	0003	0014	504.8376	1312.5777	141.5264	0.1078	INDICADA	25
0001	0003	0015	448.0735	1164.9911	131.4024	0.1128	INDICADA	20
0001	0003	0016	193.3514	502.7138	53.0548	0.1055	INDICADA	15
0001	0003	0017	2.1724	5.6483	0.5188	0.0918	INDICADA	10
0001	0004	0009	675.0000	1755.0000	87.7500	0.0500	INFERIDA	4
0001	0004	0010	712.3879	1852.2084	108.8291	0.0588	INDICADA	9
0001	0004	0011	718.8913	1869.1175	115.2693	0.0617	MEDIDA	14
0001	0004	0012	716.0570	1861.7483	139.0103	0.0747	MEDIDA	19
0001	0004	0013	692.6381	1800.8591	206.6692	0.1148	MEDIDA	24
0001	0004	0014	615.5245	1600.3637	208.3071	0.1302	MEDIDA	26
0001	0004	0015	555.3614	1443.9397	182.7194	0.1265	MEDIDA	21
0001	0004	0016	365.7720	951.0072	85.5194	0.0899	MEDIDA	16
0001	0004	0017	178.3153	463.6199	36.1731	0.0780	INDICADA	11
0001	0004	0018	55.2170	143.5643	9.6058	0.0669	INFERIDA	6
0001	0005	0009	599.7713	1559.4054	77.9703	0.0500	INFERIDA	2
0001	0005	0010	621.6317	1616.2425	80.8121	0.0500	INFERIDA	7
0001	0005	0011	616.8702	1603.8626	117.8205	0.0735	INFERIDA	12
0001	0005	0012	642.4066	1670.2571	157.8383	0.0945	INFERIDA	17
0001	0005	0013	665.1355	1729.3522	185.7686	0.1074	INFERIDA	22
0001	0005	0014	636.2216	1654.1762	176.3149	0.1066	INFERIDA	24
0001	0005	0015	576.1189	1497.9093	163.1831	0.1089	INFERIDA	19
0001	0005	0016	665.0812	1729.2111	157.0733	0.0908	INFERIDA	14
0001	0005	0017	417.4451	1085.3572	106.1739	0.0978	INFERIDA	9
0001	0005	0018	320.5144	833.3374	41.6669	0.0500	INFERIDA	4
0001	0006	0011	501.2947	1303.3663	65.1683	0.0500	INFERIDA	5
0001	0006	0012	531.0670	1380.7742	91.1730	0.0660	INFERIDA	10
0001	0006	0013	560.2106	1456.5476	175.2173	0.1203	INFERIDA	10
0001	0006	0014	596.4678	1550.8163	200.5216	0.1293	INFERIDA	10
0001	0006	0015	588.5987	1530.3567	162.7408	0.1063	INFERIDA	10
0001	0006	0016	581.9640	1513.1065	142.3276	0.0941	INFERIDA	7
0001	0006	0017	580.1581	1508.4112	75.4206	0.0500	INFERIDA	2
0001	0006	0020	351.0972	912.8526	176.3373	0.1932	INFERIDA	4
0001	0006	0021	162.7595	423.1746	50.4613	0.1192	INFERIDA	9
0001	0006	0022	77.6372	201.8568	27.3168	0.1353	INFERIDA	14
0001	0007	0020	358.7242	932.6830	147.5511	0.1582	INFERIDA	6

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0001	0007	0021	325.6192	846.6098	112.0735	0.1324	INDICADA	11
0001	0007	0022	218.5612	568.2592	74.7598	0.1316	MEDIDA	16
0001	0007	0023	69.6897	181.1931	23.3033	0.1286	MEDIDA	21
0001	0008	0020	287.0945	746.4457	125.7724	0.1685	INFERIDA	5
0001	0008	0021	266.0445	691.7158	81.3872	0.1177	INFERIDA	10
0001	0008	0022	221.9496	577.0690	75.0416	0.1300	INDICADA	15
0001	0008	0023	203.8767	530.0794	85.7252	0.1617	INDICADA	20
0001	0008	0024	21.1210	54.9146	16.6069	0.3024	INDICADA	25
0001	0009	0017	150.8264	392.1485	19.6074	0.0500	INFERIDA	3
0001	0009	0018	152.9331	397.6261	19.8813	0.0500	INFERIDA	8
0001	0009	0019	150.8683	392.2577	19.6129	0.0500	INFERIDA	14
0001	0009	0020	123.8511	322.0129	16.1006	0.0500	INFERIDA	18
0001	0009	0021	120.0867	312.2253	21.9181	0.0702	INFERIDA	23
0001	0009	0022	102.2494	265.8484	17.8909	0.0673	INFERIDA	29
0001	0009	0023	75.0980	195.2549	16.8380	0.0862	INFERIDA	30
0001	0009	0024	19.7037	51.2296	6.3327	0.1236	INFERIDA	25
0002	0002	0010	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0002	0002	0011	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0002	0002	0012	750.0000	1950.0000	126.0619	0.0646	INFERIDA	11
0002	0002	0013	750.0000	1950.0000	234.3474	0.1202	INFERIDA	10
0002	0002	0014	750.0000	1950.0000	254.7363	0.1306	INFERIDA	12
0002	0002	0015	750.0000	1950.0000	180.5503	0.0926	INFERIDA	11
0002	0002	0016	738.0065	1918.8169	166.9285	0.0870	INFERIDA	8
0002	0002	0017	571.0542	1484.7409	74.2370	0.0500	INFERIDA	4
0002	0003	0009	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0002	0003	0010	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0002	0003	0011	750.0000	1950.0000	124.3198	0.0638	INFERIDA	11
0002	0003	0012	750.0000	1950.0000	183.1273	0.0939	INFERIDA	15
0002	0003	0013	750.0000	1950.0000	210.8776	0.1081	INFERIDA	22
0002	0003	0014	750.0000	1950.0000	206.0048	0.1056	INFERIDA	24
0002	0003	0015	750.0000	1950.0000	206.5717	0.1059	INFERIDA	19
0002	0003	0016	750.0000	1950.0000	177.6036	0.0911	INDICADA	12
0002	0003	0017	750.0000	1950.0000	177.3509	0.0909	INFERIDA	9
0002	0003	0018	549.1177	1427.7061	71.3853	0.0500	INFERIDA	4
0002	0004	0009	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0002	0004	0010	750.0000	1950.0000	125.8235	0.0645	INFERIDA	8
0002	0004	0011	750.0000	1950.0000	137.1599	0.0703	INDICADA	12
0002	0004	0012	750.0000	1950.0000	178.1218	0.0913	INDICADA	17
0002	0004	0013	750.0000	1950.0000	209.1906	0.1073	INDICADA	23
0002	0004	0014	750.0000	1950.0000	208.2576	0.1068	INFERIDA	25
0002	0004	0015	750.0000	1950.0000	202.5846	0.1039	INDICADA	20
0002	0004	0016	750.0000	1950.0000	153.6091	0.0788	INDICADA	14
0002	0004	0017	750.0000	1950.0000	154.4513	0.0792	INDICADA	9
0002	0004	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0002	0005	0010	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0002	0005	0011	750.0000	1950.0000	127.1651	0.0652	INFERIDA	10

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0002	0005	0012	750.0000	1950.0000	189.6944	0.0973	INFERIDA	14
0002	0005	0013	750.0000	1950.0000	202.8437	0.1040	INFERIDA	21
0002	0005	0014	750.0000	1950.0000	212.4092	0.1089	INFERIDA	22
0002	0005	0015	750.0000	1950.0000	218.9336	0.1123	INFERIDA	17
0002	0005	0016	750.0000	1950.0000	176.1975	0.0904	INFERIDA	11
0002	0005	0017	750.0000	1950.0000	162.9546	0.0836	INFERIDA	8
0002	0005	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0002	0005	0021	667.4936	1735.4833	86.7742	0.0500	INFERIDA	1
0002	0005	0022	512.7262	1333.0882	193.6380	0.1453	INFERIDA	6
0002	0005	0023	325.5043	846.3113	99.7564	0.1179	INFERIDA	10
0002	0005	0024	172.3176	448.0259	102.7428	0.2293	INFERIDA	11
0002	0005	0025	9.9243	25.8031	7.7565	0.3006	INFERIDA	11
0002	0006	0016	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0002	0006	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0002	0006	0020	750.0000	1950.0000	376.6849	0.1932	INFERIDA	4
0002	0006	0021	750.0000	1950.0000	232.3220	0.1191	INFERIDA	9
0002	0006	0022	750.0000	1950.0000	259.0578	0.1329	INFERIDA	15
0002	0006	0023	647.2657	1682.8909	300.7652	0.1787	INFERIDA	21
0002	0006	0024	464.9721	1208.9276	440.0467	0.3640	INFERIDA	25
0002	0006	0025	244.9346	636.8299	295.4194	0.4639	INFERIDA	20
0002	0006	0026	114.9760	298.9376	198.2278	0.6631	INFERIDA	14
0002	0007	0020	750.0000	1950.0000	308.4914	0.1582	INFERIDA	6
0002	0007	0021	750.0000	1950.0000	257.4063	0.1320	INDICADA	12
0002	0007	0022	750.0000	1950.0000	282.3111	0.1448	MEDIDA	17
0002	0007	0023	750.0000	1950.0000	290.9310	0.1492	MEDIDA	23
0002	0007	0024	733.4864	1907.0647	497.4435	0.2608	MEDIDA	25
0002	0007	0025	506.5390	1317.0014	518.9376	0.3940	MEDIDA	22
0002	0007	0026	393.6982	1023.6153	948.5243	0.9266	MEDIDA	17
0002	0007	0027	167.6549	435.9028	540.5722	1.2401	INDICADA	11
0002	0007	0028	28.3316	73.6622	114.8355	1.5589	INFERIDA	5
0002	0008	0020	750.0000	1950.0000	328.5653	0.1685	INFERIDA	5
0002	0008	0021	750.0000	1950.0000	219.0213	0.1123	INFERIDA	11
0002	0008	0022	750.0000	1950.0000	251.1190	0.1288	INDICADA	16
0002	0008	0023	750.0000	1950.0000	350.1565	0.1796	INDICADA	22
0002	0008	0024	750.0000	1950.0000	673.6075	0.3454	INDICADA	25
0002	0008	0025	722.7868	1879.2457	855.8058	0.4554	INDICADA	21
0002	0008	0026	552.8558	1437.4250	954.8985	0.6643	INDICADA	15
0002	0008	0027	372.8413	969.3875	883.8179	0.9117	INDICADA	10
0002	0008	0028	239.3556	622.3244	1014.7407	1.6306	INFERIDA	4
0002	0009	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0002	0009	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0002	0009	0019	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0002	0009	0020	750.0000	1950.0000	97.5000	0.0500	INFERIDA	20
0002	0009	0021	750.0000	1950.0000	127.0733	0.0652	INFERIDA	27
0002	0009	0022	750.0000	1950.0000	128.7241	0.0660	INFERIDA	33
0002	0009	0023	750.0000	1950.0000	192.6610	0.0988	INFERIDA	33

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0002	0009	0024	750.0000	1950.0000	241.5350	0.1239	INFERIDA	30
0002	0009	0025	717.3071	1864.9986	633.9323	0.3399	INFERIDA	26
0002	0009	0026	611.5634	1590.0649	608.4293	0.3826	INFERIDA	21
0002	0009	0027	551.8268	1434.7496	461.9172	0.3219	INFERIDA	19
0002	0009	0028	410.7265	1067.8890	164.3635	0.1539	INFERIDA	19
0002	0009	0029	289.3423	752.2899	271.1761	0.3605	INFERIDA	22
0002	0009	0030	213.8379	555.9786	242.5288	0.4362	INFERIDA	20
0002	0009	0031	54.5105	141.7273	79.8579	0.5635	INFERIDA	15
0002	0010	0016	723.0940	1880.0445	94.0022	0.0500	INFERIDA	3
0002	0010	0017	707.9396	1840.6429	92.0321	0.0500	INFERIDA	8
0002	0010	0018	705.3533	1833.9185	91.6959	0.0500	MEDIDA	13
0002	0010	0019	743.1829	1932.2756	96.6138	0.0500	MEDIDA	18
0002	0010	0020	742.7961	1931.2700	96.5635	0.0500	MEDIDA	23
0002	0010	0021	728.6140	1894.3964	94.7198	0.0500	MEDIDA	28
0002	0010	0022	747.7807	1944.2299	97.2115	0.0500	MEDIDA	24
0002	0010	0023	693.6350	1803.4509	90.1725	0.0500	MEDIDA	19
0002	0010	0024	652.9562	1697.6862	84.8843	0.0500	MEDIDA	16
0002	0010	0025	628.2160	1633.3617	149.3665	0.0914	INDICADA	16
0002	0010	0026	600.4184	1561.0878	185.9071	0.1191	INDICADA	16
0002	0010	0027	540.4520	1405.1751	189.0987	0.1346	MEDIDA	17
0002	0010	0028	505.3632	1313.9442	241.0052	0.1834	MEDIDA	22
0002	0010	0029	394.2086	1024.9423	288.6659	0.2816	MEDIDA	27
0002	0010	0030	314.9225	818.7985	376.9451	0.4604	MEDIDA	23
0002	0010	0031	227.1785	590.6641	370.4410	0.6272	MEDIDA	18
0002	0010	0032	26.7793	69.6261	46.6605	0.6702	MEDIDA	13
0002	0011	0016	549.4593	1428.5943	71.4297	0.0500	INFERIDA	3
0002	0011	0017	561.2038	1459.1298	72.9565	0.0500	INFERIDA	8
0002	0011	0018	597.5347	1553.5901	77.6795	0.0500	MEDIDA	13
0002	0011	0019	595.8378	1549.1782	77.4589	0.0500	MEDIDA	18
0002	0011	0020	572.9009	1489.5423	74.4771	0.0500	MEDIDA	23
0002	0011	0021	560.0596	1456.1550	72.8078	0.0500	MEDIDA	28
0002	0011	0022	577.5778	1501.7022	75.0851	0.0500	MEDIDA	24
0002	0011	0023	569.2908	1480.1560	74.0078	0.0500	MEDIDA	19
0002	0011	0024	522.1232	1357.5202	67.8760	0.0500	MEDIDA	16
0002	0011	0025	473.1054	1230.0739	107.8326	0.0877	INDICADA	16
0002	0011	0026	460.9445	1198.4557	138.4689	0.1155	INDICADA	16
0002	0011	0027	412.0691	1071.3796	142.4326	0.1329	INDICADA	17
0002	0011	0028	378.2251	983.3852	198.7472	0.2021	INDICADA	22
0002	0011	0029	368.4263	957.9084	292.3001	0.3051	INDICADA	26
0002	0011	0030	362.5684	942.6779	420.0425	0.4456	INDICADA	23
0002	0011	0031	300.5997	781.5592	458.4876	0.5866	INDICADA	18
0002	0011	0032	190.2727	494.7089	329.7163	0.6665	INDICADA	13
0002	0011	0033	82.8650	215.4489	164.4724	0.7634	INFERIDA	8
0002	0012	0017	328.6332	854.4464	42.7223	0.0500	INFERIDA	5
0002	0012	0018	326.1322	847.9436	42.3972	0.0500	INFERIDA	10
0002	0012	0019	326.1530	847.9978	42.3999	0.0500	INFERIDA	15

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0002	0012	0020	362.6930	943.0018	47.1501	0.0500	INFERIDA	20
0002	0012	0021	372.9390	969.6414	48.4821	0.0500	INFERIDA	22
0002	0012	0022	335.8764	873.2786	43.6639	0.0500	INFERIDA	21
0002	0012	0023	327.1782	850.6634	42.5332	0.0500	INFERIDA	16
0002	0012	0024	319.8295	831.5566	41.5778	0.0500	INFERIDA	11
0002	0012	0025	313.0011	813.8028	58.4044	0.0718	INFERIDA	10
0002	0012	0026	295.8470	769.2022	86.0339	0.1118	INFERIDA	14
0002	0012	0027	274.3354	713.2719	69.8365	0.0979	INFERIDA	22
0002	0012	0028	267.1769	694.6599	83.8552	0.1207	INFERIDA	29
0002	0012	0029	302.8564	787.4265	288.4002	0.3663	INFERIDA	20
0002	0012	0030	331.5103	861.9267	388.8484	0.4511	INFERIDA	26
0002	0012	0031	331.2337	861.2076	465.4715	0.5405	INFERIDA	26
0002	0012	0032	350.9053	912.3537	501.4222	0.5496	INFERIDA	26
0002	0012	0033	293.3150	762.6191	382.3147	0.5013	INFERIDA	22
0002	0012	0034	203.5146	529.1378	206.5688	0.3904	INFERIDA	15
0002	0012	0035	80.9824	210.5542	181.0755	0.8600	INFERIDA	13
0002	0013	0025	107.9169	280.5840	14.0292	0.0500	INFERIDA	5
0002	0013	0026	85.7005	222.8212	11.1411	0.0500	INDICADA	10
0002	0013	0027	82.6268	214.8298	10.7415	0.0500	INDICADA	15
0002	0013	0028	113.1364	294.1545	14.7077	0.0500	INFERIDA	20
0002	0013	0029	185.9057	483.3548	85.5902	0.1771	INFERIDA	28
0002	0013	0030	278.2105	723.3474	229.3077	0.3170	INDICADA	27
0002	0013	0031	327.6335	851.8471	353.3521	0.4148	INDICADA	16
0002	0013	0032	332.9802	865.7486	386.4638	0.4464	INDICADA	22
0002	0013	0033	320.4485	833.1660	364.9507	0.4380	INDICADA	25
0002	0013	0034	340.5434	885.4128	533.0081	0.6020	INDICADA	22
0002	0013	0035	219.6434	571.0729	405.0609	0.7093	INDICADA	17
0002	0013	0036	116.9238	304.0019	279.7879	0.9203	INDICADA	13
0002	0014	0029	40.9892	106.5718	21.4246	0.2010	INFERIDA	31
0002	0014	0030	131.2363	341.2144	122.7291	0.3597	INDICADA	32
0002	0014	0031	200.7928	522.0614	222.2773	0.4258	MEDIDA	17
0002	0014	0032	285.1423	741.3701	334.5981	0.4513	MEDIDA	22
0002	0014	0033	367.0932	954.4423	302.3599	0.3168	MEDIDA	26
0002	0014	0034	305.7457	794.9389	450.4192	0.5666	MEDIDA	23
0002	0014	0035	280.8740	730.2725	501.7488	0.6871	MEDIDA	19
0002	0014	0036	205.4582	534.1912	569.0775	1.0653	MEDIDA	13
0002	0014	0037	148.5869	386.3260	543.3954	1.4066	INDICADA	8
0002	0014	0038	69.5073	180.7189	264.7966	1.4652	INFERIDA	5
0002	0015	0032	46.9665	122.1128	54.4077	0.4456	INFERIDA	21
0002	0015	0033	78.4486	203.9665	92.2867	0.4525	INFERIDA	24
0002	0015	0034	127.1924	330.7002	207.9861	0.6289	INFERIDA	21
0002	0015	0035	149.6973	389.2130	282.5731	0.7260	INFERIDA	16
0002	0015	0036	157.9505	410.6712	368.4769	0.8973	INFERIDA	12
0002	0015	0037	69.6045	180.9718	205.9371	1.1380	INFERIDA	6
0002	0041	0050	64.3264	167.2487	8.3624	0.0500	INFERIDA	9
0002	0041	0051	226.4317	588.7223	29.4361	0.0500	INFERIDA	1

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0002	0042	0050	45.7597	118.9753	16.6120	0.1396	INFERIDA	19
0002	0042	0051	350.7301	911.8982	174.6016	0.1915	INFERIDA	17
0002	0042	0052	409.9598	1065.8954	128.3322	0.1204	INFERIDA	16
0002	0042	0053	436.4745	1134.8338	78.3194	0.0690	INFERIDA	17
0002	0042	0054	388.2460	1009.4396	50.4720	0.0500	INFERIDA	17
0002	0042	0055	303.7297	789.6971	39.4849	0.0500	INFERIDA	17
0002	0042	0056	186.1838	484.0779	24.2039	0.0500	INFERIDA	17
0002	0042	0057	151.6119	394.1908	19.7095	0.0500	INFERIDA	16
0002	0043	0052	232.4248	604.3046	104.6356	0.1732	INDICADA	25
0002	0043	0053	382.3809	994.1903	80.6303	0.0811	INDICADA	25
0002	0043	0054	384.9410	1000.8466	50.0423	0.0500	INDICADA	25
0002	0043	0055	342.7120	891.0511	44.5526	0.0500	INDICADA	26
0002	0043	0056	236.1933	614.1026	30.7051	0.0500	INDICADA	25
0002	0043	0057	149.2551	388.0633	19.4032	0.0500	INDICADA	20
0002	0043	0058	81.5350	211.9910	10.5995	0.0500	INDICADA	15
0002	0044	0052	14.8686	38.6585	9.2956	0.2405	MEDIDA	34
0002	0044	0053	206.5026	536.9067	73.3049	0.1365	MEDIDA	40
0002	0044	0054	331.5270	861.9701	90.7901	0.1053	MEDIDA	45
0002	0044	0055	434.1035	1128.6692	88.6995	0.0786	MEDIDA	48
0002	0044	0056	373.5929	971.3416	55.7370	0.0574	MEDIDA	46
0002	0044	0057	268.4124	697.8722	40.7043	0.0583	MEDIDA	41
0002	0044	0058	98.5912	256.3372	16.6461	0.0649	MEDIDA	32
0002	0045	0052	2.6003	6.7608	11.1054	1.6426	INDICADA	41
0002	0045	0053	143.7817	373.8324	547.0306	1.4633	INDICADA	47
0002	0045	0054	287.9723	748.7288	770.5055	1.0291	INDICADA	54
0002	0045	0055	411.1985	1069.1162	685.7287	0.6414	INDICADA	59
0002	0045	0056	437.6637	1137.9257	234.8215	0.2064	INDICADA	59
0002	0045	0057	424.1993	1102.9181	189.3904	0.1717	INDICADA	52
0002	0045	0058	285.6503	742.6908	122.4858	0.1649	INDICADA	39
0002	0045	0059	96.5223	250.9579	53.8831	0.2147	INDICADA	24
0002	0046	0053	101.4217	263.6963	417.7008	1.5840	INDICADA	66
0002	0046	0054	281.6131	732.1940	859.5802	1.1740	INDICADA	72
0002	0046	0055	362.0578	941.3504	764.2595	0.8119	INDICADA	60
0002	0046	0056	425.9855	1107.5622	320.5124	0.2894	INDICADA	60
0002	0046	0057	330.9648	860.5086	184.2417	0.2141	INDICADA	52
0002	0046	0058	252.9772	657.7408	126.1647	0.1918	INDICADA	40
0002	0046	0059	141.1984	367.1159	90.8294	0.2474	INDICADA	24
0002	0047	0053	134.3830	349.3957	480.4353	1.3750	MEDIDA	76
0002	0047	0054	238.6079	620.3804	671.1181	1.0818	MEDIDA	84
0002	0047	0055	296.4345	770.7298	486.0380	0.6306	MEDIDA	81
0002	0047	0056	280.8297	730.1573	211.7930	0.2901	MEDIDA	62
0002	0047	0057	218.2432	567.4324	177.6790	0.3131	MEDIDA	56
0002	0047	0058	148.1981	385.3152	83.6253	0.2170	MEDIDA	42
0002	0047	0059	63.9043	166.1513	32.5051	0.1956	INDICADA	27
0002	0048	0054	135.2071	351.5385	560.4297	1.5942	INDICADA	78
0002	0048	0055	151.2641	393.2867	603.1721	1.5337	INDICADA	64

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0002	0048	0056	146.1575	380.0094	496.3115	1.3061	INDICADA	49
0002	0048	0057	87.7848	228.2406	197.2621	0.8643	INDICADA	39
0003	0003	0010	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0003	0003	0011	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0003	0003	0012	750.0000	1950.0000	128.9169	0.0661	INFERIDA	10
0003	0003	0013	750.0000	1950.0000	248.0036	0.1272	INFERIDA	9
0003	0003	0014	750.0000	1950.0000	339.0746	0.1739	INFERIDA	7
0003	0003	0015	750.0000	1950.0000	189.3500	0.0971	INFERIDA	9
0003	0003	0016	750.0000	1950.0000	162.4011	0.0833	INFERIDA	8
0003	0003	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0003	0003	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0003	0004	0010	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0003	0004	0011	750.0000	1950.0000	133.7325	0.0686	INFERIDA	8
0003	0004	0012	750.0000	1950.0000	147.6799	0.0757	INFERIDA	12
0003	0004	0013	750.0000	1950.0000	212.2693	0.1089	INFERIDA	12
0003	0004	0014	750.0000	1950.0000	235.1025	0.1206	INFERIDA	18
0003	0004	0015	750.0000	1950.0000	174.1791	0.0893	INFERIDA	11
0003	0004	0016	750.0000	1950.0000	179.0733	0.0918	INFERIDA	9
0003	0004	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0003	0004	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0003	0005	0011	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0003	0005	0012	750.0000	1950.0000	149.2694	0.0765	INFERIDA	6
0003	0005	0013	750.0000	1950.0000	176.3928	0.0905	INFERIDA	4
0003	0005	0015	750.0000	1950.0000	191.5563	0.0982	INFERIDA	9
0003	0005	0016	750.0000	1950.0000	139.4959	0.0715	INFERIDA	6
0003	0005	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0003	0005	0025	750.0000	1950.0000	434.2828	0.2227	INFERIDA	4
0003	0005	0026	627.7211	1632.0748	2460.6135	1.5077	INFERIDA	4
0003	0006	0021	750.0000	1950.0000	286.9872	0.1472	INFERIDA	6
0003	0006	0022	750.0000	1950.0000	263.6028	0.1352	INFERIDA	13
0003	0006	0023	750.0000	1950.0000	365.4526	0.1874	INFERIDA	20
0003	0006	0024	750.0000	1950.0000	846.8244	0.4343	INFERIDA	22
0003	0006	0025	750.0000	1950.0000	1100.9757	0.5646	INFERIDA	17
0003	0006	0026	750.0000	1950.0000	1450.3293	0.7438	INFERIDA	12
0003	0006	0027	678.8042	1764.8909	1816.3996	1.0292	INFERIDA	7
0003	0006	0028	458.6973	1192.6130	3397.7753	2.8490	INFERIDA	2
0003	0007	0020	750.0000	1950.0000	373.1802	0.1914	INFERIDA	3
0003	0007	0021	750.0000	1950.0000	235.9046	0.1210	INFERIDA	9
0003	0007	0022	750.0000	1950.0000	254.5658	0.1305	INFERIDA	16
0003	0007	0023	750.0000	1950.0000	389.4450	0.1997	INFERIDA	22
0003	0007	0024	750.0000	1950.0000	825.4063	0.4233	INDICADA	25
0003	0007	0025	750.0000	1950.0000	1195.8549	0.6133	INDICADA	19
0003	0007	0026	750.0000	1950.0000	1833.2295	0.9401	INDICADA	14
0003	0007	0027	750.0000	1950.0000	2270.6841	1.1645	INDICADA	10
0003	0007	0028	750.0000	1950.0000	3433.9985	1.7610	INFERIDA	4
0003	0008	0020	750.0000	1950.0000	503.7216	0.2583	INFERIDA	2

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0003	0008	0021	750.0000	1950.0000	264.1961	0.1355	INFERIDA	7
0003	0008	0022	750.0000	1950.0000	262.9096	0.1348	INFERIDA	15
0003	0008	0023	750.0000	1950.0000	369.7788	0.1896	INFERIDA	21
0003	0008	0024	750.0000	1950.0000	830.2965	0.4258	INFERIDA	23
0003	0008	0025	750.0000	1950.0000	1103.9620	0.5661	INDICADA	18
0003	0008	0026	750.0000	1950.0000	1499.2438	0.7688	INDICADA	13
0003	0008	0027	750.0000	1950.0000	1960.6910	1.0055	INFERIDA	9
0003	0008	0028	750.0000	1950.0000	3910.2193	2.0052	INFERIDA	3
0003	0009	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0003	0009	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0003	0009	0019	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0003	0009	0020	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0003	0009	0021	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0003	0009	0022	750.0000	1950.0000	132.3117	0.0679	INFERIDA	22
0003	0009	0023	750.0000	1950.0000	144.4586	0.0741	INFERIDA	22
0003	0009	0024	750.0000	1950.0000	270.3879	0.1387	INFERIDA	22
0003	0009	0025	750.0000	1950.0000	818.7728	0.4199	INFERIDA	19
0003	0009	0026	750.0000	1950.0000	918.8538	0.4712	INFERIDA	17
0003	0009	0027	750.0000	1950.0000	706.2728	0.3622	INFERIDA	16
0003	0009	0028	750.0000	1950.0000	291.3139	0.1494	INFERIDA	18
0003	0009	0029	750.0000	1950.0000	727.0879	0.3729	INFERIDA	20
0003	0009	0030	750.0000	1950.0000	894.8761	0.4589	INFERIDA	19
0003	0009	0031	750.0000	1950.0000	1157.1366	0.5934	INFERIDA	14
0003	0009	0032	676.9843	1760.1591	1330.4706	0.7559	INFERIDA	9
0003	0009	0033	551.0103	1432.6267	900.4501	0.6285	INFERIDA	5
0003	0010	0016	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0003	0010	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0003	0010	0018	750.0000	1950.0000	97.5000	0.0500	INDICADA	11
0003	0010	0019	750.0000	1950.0000	97.5000	0.0500	INDICADA	16
0003	0010	0020	750.0000	1950.0000	97.5000	0.0500	INDICADA	22
0003	0010	0021	750.0000	1950.0000	97.5000	0.0500	INDICADA	26
0003	0010	0022	750.0000	1950.0000	97.5000	0.0500	INDICADA	22
0003	0010	0023	750.0000	1950.0000	97.5000	0.0500	INDICADA	17
0003	0010	0024	750.0000	1950.0000	97.5000	0.0500	INDICADA	12
0003	0010	0025	750.0000	1950.0000	165.3437	0.0848	INFERIDA	14
0003	0010	0026	750.0000	1950.0000	224.3403	0.1150	INDICADA	14
0003	0010	0027	750.0000	1950.0000	239.8759	0.1230	INDICADA	16
0003	0010	0028	750.0000	1950.0000	384.3720	0.1971	INDICADA	21
0003	0010	0029	750.0000	1950.0000	669.5014	0.3433	INDICADA	26
0003	0010	0030	750.0000	1950.0000	913.2889	0.4684	INDICADA	22
0003	0010	0031	750.0000	1950.0000	1131.1181	0.5801	INDICADA	17
0003	0010	0032	750.0000	1950.0000	1270.3317	0.6515	INDICADA	12
0003	0010	0033	685.3698	1781.9614	1251.4475	0.7023	INFERIDA	7
0003	0010	0034	548.4111	1425.8690	480.4615	0.3370	INFERIDA	2
0003	0011	0016	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0003	0011	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0003	0011	0018	750.0000	1950.0000	97.5000	0.0500	INDICADA	11
0003	0011	0019	750.0000	1950.0000	97.5000	0.0500	INDICADA	16
0003	0011	0020	750.0000	1950.0000	97.5000	0.0500	INDICADA	22
0003	0011	0021	750.0000	1950.0000	97.5000	0.0500	INDICADA	26
0003	0011	0022	750.0000	1950.0000	97.5000	0.0500	INDICADA	22
0003	0011	0023	750.0000	1950.0000	97.5000	0.0500	INDICADA	17
0003	0011	0024	750.0000	1950.0000	97.5000	0.0500	INDICADA	12
0003	0011	0025	750.0000	1950.0000	160.5651	0.0823	INFERIDA	14
0003	0011	0026	750.0000	1950.0000	219.9392	0.1128	INDICADA	14
0003	0011	0027	750.0000	1950.0000	238.3329	0.1222	INDICADA	16
0003	0011	0028	750.0000	1950.0000	393.5667	0.2018	INDICADA	21
0003	0011	0029	750.0000	1950.0000	676.8700	0.3471	INDICADA	26
0003	0011	0030	750.0000	1950.0000	893.9565	0.4584	INDICADA	22
0003	0011	0031	750.0000	1950.0000	1108.0103	0.5682	INDICADA	17
0003	0011	0032	750.0000	1950.0000	1285.1235	0.6590	INDICADA	12
0003	0011	0033	750.0000	1950.0000	1398.6488	0.7173	INFERIDA	7
0003	0011	0034	749.0035	1947.4092	658.0689	0.3379	INFERIDA	2
0003	0012	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0003	0012	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0003	0012	0019	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0003	0012	0020	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0003	0012	0021	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0003	0012	0022	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0003	0012	0023	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0003	0012	0024	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0003	0012	0025	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0003	0012	0026	750.0000	1950.0000	205.5902	0.1054	INFERIDA	15
0003	0012	0027	750.0000	1950.0000	171.6918	0.0880	INFERIDA	26
0003	0012	0028	750.0000	1950.0000	183.1900	0.0939	INFERIDA	37
0003	0012	0029	750.0000	1950.0000	379.5940	0.1947	INFERIDA	37
0003	0012	0030	750.0000	1950.0000	677.1265	0.3472	INFERIDA	38
0003	0012	0031	750.0000	1950.0000	1112.7599	0.5706	INFERIDA	24
0003	0012	0032	750.0000	1950.0000	1090.4489	0.5592	INFERIDA	23
0003	0012	0033	750.0000	1950.0000	858.7536	0.4404	INFERIDA	19
0003	0012	0034	750.0000	1950.0000	837.6038	0.4295	INFERIDA	13
0003	0012	0035	750.0000	1950.0000	1687.9160	0.8656	INFERIDA	12
0003	0012	0036	669.0038	1739.4099	1907.1807	1.0965	INFERIDA	6
0003	0012	0037	541.9285	1409.0142	2145.3545	1.5226	INFERIDA	4
0003	0013	0024	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0003	0013	0025	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0003	0013	0026	750.0000	1950.0000	97.5000	0.0500	INDICADA	14
0003	0013	0027	750.0000	1950.0000	97.5000	0.0500	INDICADA	20
0003	0013	0028	750.0000	1950.0000	97.5000	0.0500	INDICADA	25
0003	0013	0029	750.0000	1950.0000	224.7683	0.1153	INDICADA	36
0003	0013	0030	750.0000	1950.0000	376.1480	0.1929	INDICADA	39
0003	0013	0031	750.0000	1950.0000	462.3398	0.2371	INDICADA	39

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0003	0013	0032	750.0000	1950.0000	711.4512	0.3648	INDICADA	35
0003	0013	0033	750.0000	1950.0000	869.8333	0.4461	INFERIDA	25
0003	0013	0034	750.0000	1950.0000	1237.9757	0.6349	INDICADA	22
0003	0013	0035	750.0000	1950.0000	1500.7982	0.7696	INDICADA	16
0003	0013	0036	750.0000	1950.0000	1853.7766	0.9507	INDICADA	12
0003	0013	0037	688.9323	1791.2241	2153.3336	1.2022	INFERIDA	6
0003	0013	0038	595.5213	1548.3554	2495.1264	1.6115	INFERIDA	4
0003	0014	0024	712.6057	1852.7747	92.6387	0.0500	INFERIDA	2
0003	0014	0025	673.2487	1750.4467	87.5223	0.0500	INFERIDA	8
0003	0014	0026	664.3500	1727.3099	86.3655	0.0500	MEDIDA	15
0003	0014	0027	674.7198	1754.2715	87.7136	0.0500	MEDIDA	21
0003	0014	0028	700.8397	1822.1833	94.2889	0.0517	MEDIDA	28
0003	0014	0029	750.0000	1950.0000	199.0381	0.1021	INDICADA	38
0003	0014	0030	750.0000	1950.0000	421.2929	0.2160	INDICADA	44
0003	0014	0031	750.0000	1950.0000	633.8975	0.3251	INDICADA	43
0003	0014	0032	750.0000	1950.0000	833.4182	0.4274	INDICADA	40
0003	0014	0033	750.0000	1950.0000	878.0362	0.4503	INDICADA	25
0003	0014	0034	750.0000	1950.0000	1213.5108	0.6223	INDICADA	23
0003	0014	0035	750.0000	1950.0000	1548.0589	0.7943	INDICADA	17
0003	0014	0036	750.0000	1950.0000	2200.1428	1.1283	INDICADA	13
0003	0014	0037	750.0000	1950.0000	2684.9881	1.3769	INDICADA	7
0003	0014	0038	750.0000	1950.0000	3356.5984	1.7213	INFERIDA	4
0003	0015	0025	536.0737	1393.7917	69.6896	0.0500	INFERIDA	6
0003	0015	0026	521.9134	1356.9748	67.8487	0.0500	INFERIDA	12
0003	0015	0027	546.9758	1422.1370	71.1069	0.0500	INFERIDA	19
0003	0015	0028	573.7669	1491.7940	74.5897	0.0500	INFERIDA	25
0003	0015	0029	623.8457	1621.9987	194.1563	0.1197	INFERIDA	33
0003	0015	0030	672.3856	1748.2027	338.6922	0.1937	INFERIDA	36
0003	0015	0031	725.2961	1885.7698	425.6427	0.2257	INFERIDA	36
0003	0015	0032	750.0000	1950.0000	706.8779	0.3625	INFERIDA	24
0003	0015	0033	750.0000	1950.0000	921.4842	0.4726	INFERIDA	23
0003	0015	0034	750.0000	1950.0000	1271.5260	0.6521	INFERIDA	21
0003	0015	0035	750.0000	1950.0000	1409.7043	0.7229	INFERIDA	19
0003	0015	0036	750.0000	1950.0000	1539.3015	0.7894	INFERIDA	19
0003	0015	0037	750.0000	1950.0000	1529.4564	0.7843	INFERIDA	16
0003	0015	0038	710.1983	1846.5156	1797.2799	0.9733	INFERIDA	12
0003	0015	0039	637.3117	1657.0104	82.8505	0.0500	INFERIDA	6
0003	0016	0026	272.5525	708.6365	35.4318	0.0500	INFERIDA	3
0003	0016	0027	323.0607	839.9579	41.9979	0.0500	INFERIDA	10
0003	0016	0028	311.0302	808.6786	40.4339	0.0500	INFERIDA	11
0003	0016	0029	392.7267	1021.0895	51.0545	0.0500	INFERIDA	7
0003	0016	0030	427.3375	1111.0776	311.1017	0.2800	INFERIDA	1
0003	0016	0031	496.7880	1291.6487	575.1735	0.4453	INFERIDA	7
0003	0016	0032	545.4510	1418.1727	715.7671	0.5047	INFERIDA	5
0003	0016	0033	581.8414	1512.7877	75.6394	0.0500	INFERIDA	2
0003	0016	0034	603.4615	1568.9998	340.3450	0.2169	INFERIDA	13

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0003	0016	0035	627.0455	1630.3182	277.5963	0.1703	INFERIDA	18
0003	0016	0036	614.8951	1598.7271	351.2980	0.2197	INFERIDA	23
0003	0016	0037	602.0154	1565.2400	185.6777	0.1186	INFERIDA	23
0003	0016	0038	543.2561	1412.4658	174.9188	0.1238	INFERIDA	20
0003	0016	0039	450.5562	1171.4461	146.2274	0.1248	INFERIDA	15
0003	0016	0040	358.4972	932.0928	58.6197	0.0629	INFERIDA	8
0003	0016	0041	287.1534	746.5989	37.3299	0.0500	INFERIDA	3
0003	0017	0033	329.1278	855.7322	42.7866	0.0500	INFERIDA	4
0003	0017	0034	332.0092	863.2240	77.9331	0.0903	INDICADA	9
0003	0017	0035	312.1044	811.4715	89.4444	0.1102	INDICADA	15
0003	0017	0036	316.2609	822.2783	101.6009	0.1236	INDICADA	21
0003	0017	0037	324.9903	844.9748	114.6617	0.1357	INDICADA	23
0003	0017	0038	300.6666	781.7332	88.9192	0.1137	MEDIDA	22
0003	0017	0039	272.1117	707.4905	66.6244	0.0942	INDICADA	17
0003	0017	0040	213.9930	556.3818	48.5700	0.0873	INDICADA	11
0003	0017	0041	158.0983	411.0556	20.5528	0.0500	INFERIDA	5
0003	0018	0033	88.4955	230.0883	11.5044	0.0500	INFERIDA	3
0003	0018	0034	91.9506	239.0717	18.6235	0.0779	INFERIDA	8
0003	0018	0035	79.4942	206.6849	25.9212	0.1254	INDICADA	14
0003	0018	0036	79.1493	205.7882	25.8408	0.1256	INDICADA	20
0003	0018	0037	73.2362	190.4142	23.1146	0.1214	INDICADA	23
0003	0018	0038	32.8352	85.3714	10.3537	0.1213	INDICADA	21
0003	0018	0039	3.2811	8.5309	0.9983	0.1170	INDICADA	16
0003	0018	0040	5.2502	13.6505	1.1687	0.0856	INFERIDA	10
0003	0018	0041	0.4516	1.1742	0.0587	0.0500	INFERIDA	4
0003	0038	0044	41.0939	106.8442	217.5042	2.0357	INDICADA	35
0003	0038	0045	43.0502	111.9305	166.6095	1.4885	INDICADA	55
0003	0039	0045	12.1574	31.6092	61.8891	1.9579	MEDIDA	62
0003	0039	0046	74.4607	193.5979	197.3475	1.0194	INDICADA	88
0003	0039	0047	181.6435	472.2731	173.8527	0.3681	INDICADA	80
0003	0039	0048	192.5571	500.6485	59.8399	0.1195	MEDIDA	60
0003	0039	0049	256.0357	665.6928	33.2846	0.0500	MEDIDA	38
0003	0039	0050	299.3159	778.2213	38.9111	0.0500	INFERIDA	22
0003	0039	0051	288.4119	749.8708	37.4935	0.0500	INFERIDA	5
0003	0040	0047	122.8924	319.5201	191.6300	0.5997	MEDIDA	76
0003	0040	0048	307.6099	799.7859	343.9134	0.4300	MEDIDA	65
0003	0040	0049	525.2319	1365.6030	68.2801	0.0500	MEDIDA	41
0003	0040	0050	704.9291	1832.8156	91.6408	0.0500	INFERIDA	20
0003	0040	0051	743.7751	1933.8152	96.6908	0.0500	INFERIDA	2
0003	0041	0047	57.7166	150.0632	195.7489	1.3044	MEDIDA	41
0003	0041	0048	332.7454	865.1380	706.2622	0.8164	INDICADA	49
0003	0041	0049	565.0413	1469.1075	589.5003	0.4013	INDICADA	32
0003	0041	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0003	0041	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0003	0042	0048	219.2808	570.1302	85.4739	0.1499	MEDIDA	36
0003	0042	0049	497.4189	1293.2892	129.7755	0.1003	MEDIDA	29

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

ÁREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0003	0042	0050	750.0000	1950.0000	180.4263	0.0925	INDICADA	22
0003	0042	0051	750.0000	1950.0000	329.6632	0.1691	INFERIDA	19
0003	0042	0052	750.0000	1950.0000	259.0769	0.1329	INFERIDA	16
0003	0042	0053	750.0000	1950.0000	140.1276	0.0719	INFERIDA	16
0003	0042	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0003	0042	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0003	0042	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0003	0042	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0003	0042	0058	732.6402	1904.8646	95.2432	0.0500	INFERIDA	10
0003	0042	0059	600.1402	1560.3644	78.0182	0.0500	INFERIDA	5
0003	0043	0049	228.5537	594.2397	180.8480	0.3043	INDICADA	22
0003	0043	0050	537.8100	1398.3060	422.7224	0.3023	INDICADA	23
0003	0043	0051	747.1777	1942.6619	542.8776	0.2795	INDICADA	22
0003	0043	0052	750.0000	1950.0000	423.7827	0.2173	INDICADA	24
0003	0043	0053	750.0000	1950.0000	182.6976	0.0937	INDICADA	25
0003	0043	0054	750.0000	1950.0000	119.3598	0.0612	INDICADA	25
0003	0043	0055	750.0000	1950.0000	97.5000	0.0500	INDICADA	26
0003	0043	0056	750.0000	1950.0000	97.5000	0.0500	INDICADA	24
0003	0043	0057	750.0000	1950.0000	97.5000	0.0500	INDICADA	19
0003	0043	0058	750.0000	1950.0000	97.5000	0.0500	INDICADA	14
0003	0043	0059	652.1889	1695.6912	84.7846	0.0500	INDICADA	9
0003	0043	0060	480.1464	1248.3807	62.4190	0.0500	INFERIDA	5
0003	0044	0049	15.2861	39.7439	26.1610	0.6582	INDICADA	19
0003	0044	0050	274.6692	714.1400	468.6784	0.6563	MEDIDA	19
0003	0044	0051	565.3832	1469.9964	492.6116	0.3351	MEDIDA	24
0003	0044	0052	750.0000	1950.0000	501.4691	0.2572	MEDIDA	34
0003	0044	0053	750.0000	1950.0000	478.2350	0.2452	INDICADA	41
0003	0044	0054	750.0000	1950.0000	477.5467	0.2449	INDICADA	47
0003	0044	0055	750.0000	1950.0000	359.0362	0.1841	INDICADA	50
0003	0044	0056	750.0000	1950.0000	144.1061	0.0739	INDICADA	47
0003	0044	0057	750.0000	1950.0000	138.3320	0.0709	INDICADA	42
0003	0044	0058	750.0000	1950.0000	134.8579	0.0692	MEDIDA	32
0003	0044	0059	722.0445	1877.3158	144.4600	0.0770	INDICADA	22
0003	0044	0060	543.4128	1412.8733	157.8736	0.1117	INFERIDA	13
0003	0044	0061	416.0936	1081.8433	354.9723	0.3281	INFERIDA	3
0003	0045	0050	178.7559	464.7655	429.5722	0.9243	INFERIDA	26
0003	0045	0051	426.9141	1109.9767	2070.5486	1.8654	INFERIDA	37
0003	0045	0052	750.0000	1950.0000	3926.3936	2.0135	MEDIDA	52
0003	0045	0053	750.0000	1950.0000	3721.0759	1.9082	MEDIDA	55
0003	0045	0054	750.0000	1950.0000	2377.9015	1.2194	MEDIDA	49
0003	0045	0055	750.0000	1950.0000	1339.8965	0.6871	MEDIDA	51
0003	0045	0056	750.0000	1950.0000	488.8496	0.2507	MEDIDA	51
0003	0045	0057	750.0000	1950.0000	342.1320	0.1755	MEDIDA	48
0003	0045	0058	750.0000	1950.0000	327.8020	0.1681	MEDIDA	38
0003	0045	0059	750.0000	1950.0000	462.2705	0.2371	MEDIDA	24
0003	0045	0060	693.7448	1803.7365	498.7429	0.2765	INDICADA	14

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0003	0045	0061	495.6789	1288.7651	512.3542	0.3976	INFERIDA	5
0003	0046	0050	7.0903	18.4347	23.0574	1.2508	INFERIDA	36
0003	0046	0051	346.8890	901.9113	1586.5076	1.7591	INFERIDA	53
0003	0046	0052	593.2894	1542.5525	2927.2829	1.8977	INDICADA	62
0003	0046	0053	750.0000	1950.0000	3358.2824	1.7222	INDICADA	70
0003	0046	0054	750.0000	1950.0000	2421.4939	1.2418	INDICADA	77
0003	0046	0055	750.0000	1950.0000	1520.0370	0.7795	INDICADA	75
0003	0046	0056	750.0000	1950.0000	527.2159	0.2704	INDICADA	69
0003	0046	0057	750.0000	1950.0000	378.3188	0.1940	INDICADA	51
0003	0046	0058	750.0000	1950.0000	377.2765	0.1935	INDICADA	38
0003	0046	0059	750.0000	1950.0000	480.7586	0.2465	INDICADA	23
0003	0046	0060	727.7532	1892.1582	511.6974	0.2704	INDICADA	13
0003	0046	0061	598.9625	1557.3026	712.1960	0.4573	INFERIDA	4
0003	0047	0050	275.0612	715.1590	658.8849	0.9213	MEDIDA	51
0003	0047	0051	481.2495	1251.2486	1453.6141	1.1617	MEDIDA	73
0003	0047	0052	639.5920	1662.9391	2278.9012	1.3704	MEDIDA	91
0003	0047	0053	750.0000	1950.0000	2419.2883	1.2407	MEDIDA	103
0003	0047	0054	750.0000	1950.0000	2092.2601	1.0730	INDICADA	102
0003	0047	0055	750.0000	1950.0000	1624.2190	0.8329	INDICADA	91
0003	0047	0056	750.0000	1950.0000	895.8698	0.4594	INDICADA	81
0003	0047	0057	750.0000	1950.0000	691.2569	0.3545	INDICADA	65
0003	0047	0058	750.0000	1950.0000	454.6879	0.2332	INDICADA	42
0003	0047	0059	750.0000	1950.0000	413.1305	0.2119	INDICADA	27
0003	0047	0060	677.7074	1762.0392	262.8392	0.1492	INFERIDA	12
0003	0047	0061	540.4545	1405.1818	222.3198	0.1582	INFERIDA	2
0003	0048	0049	52.6205	136.8134	138.6408	1.0134	INDICADA	53
0003	0048	0050	187.0245	486.2638	485.5644	0.9986	INDICADA	64
0003	0048	0051	406.1027	1055.8670	1056.2844	1.0004	INDICADA	82
0003	0048	0052	608.6201	1582.4122	2004.3910	1.2667	INDICADA	95
0003	0048	0053	714.4502	1857.5705	2554.8905	1.3754	INDICADA	104
0003	0048	0054	750.0000	1950.0000	3017.7860	1.5476	INDICADA	108
0003	0048	0055	750.0000	1950.0000	3003.3826	1.5402	INDICADA	95
0003	0048	0056	750.0000	1950.0000	2619.4733	1.3433	INDICADA	72
0003	0048	0057	750.0000	1950.0000	1811.4407	0.9289	INDICADA	46
0003	0048	0058	744.1979	1934.9144	1669.8994	0.8630	INDICADA	29
0003	0048	0059	642.3457	1670.0988	582.6437	0.3489	INDICADA	19
0003	0048	0060	494.0659	1284.5713	214.7733	0.1672	INFERIDA	10
0003	0049	0050	99.9352	259.8314	248.9717	0.9582	MEDIDA	90
0003	0049	0051	301.7630	784.5837	583.1745	0.7433	MEDIDA	100
0003	0049	0052	462.2376	1201.8178	1057.2242	0.8797	MEDIDA	103
0003	0049	0053	599.3573	1558.3289	3183.4893	2.0429	MEDIDA	114
0003	0049	0054	682.0708	1773.3840	6441.4279	3.6323	MEDIDA	113
0003	0049	0055	703.7923	1829.8601	4375.6329	2.3912	MEDIDA	99
0003	0049	0056	670.8450	1744.1970	4523.3038	2.5933	MEDIDA	69
0003	0049	0057	653.1131	1698.0941	1973.0454	1.1619	MEDIDA	46
0003	0049	0058	538.7350	1400.7111	848.2272	0.6056	MEDIDA	31

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0003	0049	0059	474.2110	1232.9485	478.4038	0.3880	INDICADA	17
0003	0049	0060	351.3987	913.6365	227.6689	0.2492	INFERIDA	6
0003	0049	0061	222.6735	578.9512	266.3176	0.4600	INFERIDA	1
0003	0050	0050	37.6728	97.9494	127.5150	1.3018	INDICADA	76
0003	0050	0051	211.3984	549.6358	775.9012	1.4117	MEDIDA	86
0003	0050	0052	319.9799	831.9476	1331.1855	1.6001	MEDIDA	93
0003	0050	0053	428.8805	1115.0893	2182.8571	1.9576	MEDIDA	94
0003	0050	0054	478.9242	1245.2028	2644.0947	2.1234	MEDIDA	79
0003	0050	0055	515.7295	1340.8967	2746.9874	2.0486	MEDIDA	68
0003	0050	0056	466.5916	1213.1380	2248.9876	1.8539	MEDIDA	45
0003	0050	0057	412.8011	1073.2830	1756.3227	1.6364	MEDIDA	32
0003	0050	0058	324.8503	844.6108	1407.5849	1.6665	INDICADA	22
0003	0050	0059	237.9384	618.6399	682.3796	1.1030	INFERIDA	13
0003	0050	0060	156.7417	407.5285	87.4351	0.2145	INFERIDA	4
0003	0051	0051	34.6749	90.1547	146.6034	1.6261	MEDIDA	84
0003	0051	0052	154.0373	400.4970	629.3570	1.5714	MEDIDA	86
0003	0051	0053	286.1168	743.9037	1452.1444	1.9521	MEDIDA	72
0003	0051	0054	281.3424	731.4904	1415.5851	1.9352	MEDIDA	61
0003	0051	0055	278.7085	724.6421	1221.6998	1.6859	MEDIDA	48
0003	0051	0056	242.0866	629.4253	977.9569	1.5537	MEDIDA	37
0003	0051	0057	224.3653	583.3497	875.1249	1.5002	MEDIDA	28
0003	0051	0058	157.6299	409.8378	631.2409	1.5402	INDICADA	16
0003	0051	0059	97.7508	254.1521	480.6374	1.8911	INFERIDA	6
0003	0052	0053	4.5805	11.9094	13.4087	1.1259	INDICADA	53
0003	0052	0054	80.8854	210.3020	202.2503	0.9617	INDICADA	43
0003	0052	0055	70.0543	182.1412	165.4826	0.9085	INDICADA	38
0003	0052	0056	36.7471	95.5426	69.8590	0.7312	INDICADA	28
0004	0006	0024	750.0000	1950.0000	522.2018	0.2678	INFERIDA	8
0004	0006	0025	750.0000	1950.0000	1574.3796	0.8074	INFERIDA	10
0004	0006	0026	750.0000	1950.0000	1915.2982	0.9822	INFERIDA	7
0004	0006	0027	750.0000	1950.0000	3764.0102	1.9303	INFERIDA	3
0004	0007	0023	750.0000	1950.0000	431.3523	0.2212	INFERIDA	9
0004	0007	0024	750.0000	1950.0000	526.0828	0.2698	INFERIDA	16
0004	0007	0025	750.0000	1950.0000	1403.8093	0.7199	INFERIDA	13
0004	0007	0026	750.0000	1950.0000	1727.8223	0.8861	INFERIDA	10
0004	0007	0027	750.0000	1950.0000	2645.2601	1.3565	INFERIDA	5
0004	0007	0028	750.0000	1950.0000	9379.5000	4.8100	INFERIDA	1
0004	0008	0023	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0004	0008	0024	750.0000	1950.0000	484.8381	0.2486	INFERIDA	13
0004	0008	0025	750.0000	1950.0000	1400.8656	0.7184	INFERIDA	12
0004	0008	0026	750.0000	1950.0000	1805.2652	0.9258	INFERIDA	9
0004	0008	0027	750.0000	1950.0000	3062.9093	1.5707	INFERIDA	4
0004	0009	0024	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0004	0009	0026	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0004	0009	0027	750.0000	1950.0000	257.2053	0.1319	INFERIDA	6
0004	0009	0028	750.0000	1950.0000	188.5727	0.0967	INFERIDA	6

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0009	0029	750.0000	1950.0000	359.0057	0.1841	INFERIDA	8
0004	0009	0030	750.0000	1950.0000	1439.9428	0.7384	INFERIDA	9
0004	0009	0031	750.0000	1950.0000	1477.7080	0.7578	INFERIDA	9
0004	0009	0032	750.0000	1950.0000	1235.8173	0.6338	INFERIDA	5
0004	0009	0033	750.0000	1950.0000	409.5000	0.2100	INFERIDA	1
0004	0010	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0004	0010	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0004	0010	0019	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0004	0010	0020	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0004	0010	0021	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0004	0010	0022	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0004	0010	0023	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0004	0010	0024	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0004	0010	0025	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0004	0010	0026	750.0000	1950.0000	308.1842	0.1580	INFERIDA	7
0004	0010	0027	750.0000	1950.0000	244.5695	0.1254	INFERIDA	12
0004	0010	0028	750.0000	1950.0000	265.4546	0.1361	INFERIDA	17
0004	0010	0029	750.0000	1950.0000	746.4254	0.3828	INFERIDA	19
0004	0010	0030	750.0000	1950.0000	955.2275	0.4899	INFERIDA	18
0004	0010	0031	750.0000	1950.0000	1225.3573	0.6284	INFERIDA	13
0004	0010	0032	750.0000	1950.0000	1430.5413	0.7336	INFERIDA	9
0004	0010	0033	750.0000	1950.0000	782.6232	0.4013	INFERIDA	4
0004	0011	0017	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0004	0011	0018	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0004	0011	0019	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0004	0011	0020	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0004	0011	0021	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0004	0011	0022	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0004	0011	0023	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0004	0011	0024	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0004	0011	0025	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0004	0011	0026	750.0000	1950.0000	257.5035	0.1321	INFERIDA	6
0004	0011	0027	750.0000	1950.0000	237.3786	0.1217	INFERIDA	11
0004	0011	0028	750.0000	1950.0000	265.5779	0.1362	INFERIDA	17
0004	0011	0029	750.0000	1950.0000	645.5959	0.3311	INFERIDA	17
0004	0011	0030	750.0000	1950.0000	992.9865	0.5092	INFERIDA	17
0004	0011	0031	750.0000	1950.0000	1224.6431	0.6280	INFERIDA	13
0004	0011	0032	750.0000	1950.0000	1526.3163	0.7827	INFERIDA	8
0004	0011	0033	750.0000	1950.0000	783.2257	0.4017	INFERIDA	4
0004	0012	0024	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0004	0012	0026	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0004	0012	0027	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0004	0012	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0004	0012	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0004	0012	0030	750.0000	1950.0000	284.9063	0.1461	INFERIDA	27
0004	0012	0031	750.0000	1950.0000	436.4091	0.2238	INFERIDA	25

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0012	0032	750.0000	1950.0000	1285.4781	0.6592	INFERIDA	18
0004	0013	0025	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0004	0013	0026	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0004	0013	0027	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0004	0013	0028	750.0000	1950.0000	97.5000	0.0500	INDICADA	29
0004	0013	0029	750.0000	1950.0000	132.1775	0.0678	INDICADA	36
0004	0013	0030	750.0000	1950.0000	389.2402	0.1996	INDICADA	41
0004	0013	0031	750.0000	1950.0000	616.2648	0.3160	INDICADA	44
0004	0013	0032	750.0000	1950.0000	783.7676	0.4019	INFERIDA	45
0004	0013	0033	750.0000	1950.0000	1006.3184	0.5161	INFERIDA	43
0004	0013	0034	750.0000	1950.0000	1326.1530	0.6801	INFERIDA	29
0004	0013	0035	750.0000	1950.0000	1731.3606	0.8879	INFERIDA	13
0004	0013	0036	750.0000	1950.0000	2111.4706	1.0828	INFERIDA	7
0004	0013	0037	750.0000	1950.0000	2503.3231	1.2838	INFERIDA	5
0004	0013	0038	750.0000	1950.0000	8073.0000	4.1400	INFERIDA	1
0004	0014	0025	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0004	0014	0026	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0004	0014	0027	750.0000	1950.0000	97.5000	0.0500	INDICADA	24
0004	0014	0028	750.0000	1950.0000	97.5000	0.0500	MEDIDA	30
0004	0014	0029	750.0000	1950.0000	103.6969	0.0532	MEDIDA	39
0004	0014	0030	750.0000	1950.0000	218.2445	0.1119	MEDIDA	46
0004	0014	0031	750.0000	1950.0000	422.1290	0.2165	INDICADA	47
0004	0014	0032	750.0000	1950.0000	686.3766	0.3520	INFERIDA	48
0004	0014	0033	750.0000	1950.0000	960.3004	0.4925	INFERIDA	48
0004	0014	0034	750.0000	1950.0000	1423.8881	0.7302	INFERIDA	39
0004	0014	0035	750.0000	1950.0000	1749.5261	0.8972	INFERIDA	13
0004	0014	0036	750.0000	1950.0000	2152.8019	1.1040	INFERIDA	9
0004	0014	0037	750.0000	1950.0000	2339.7685	1.1999	INFERIDA	6
0004	0014	0038	750.0000	1950.0000	4671.0839	2.3954	INFERIDA	2
0004	0015	0025	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0004	0015	0026	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0004	0015	0027	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0004	0015	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	28
0004	0015	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0004	0015	0030	750.0000	1950.0000	213.1440	0.1093	INFERIDA	37
0004	0015	0031	750.0000	1950.0000	708.2209	0.3632	INFERIDA	41
0004	0015	0032	750.0000	1950.0000	843.2278	0.4324	INFERIDA	40
0004	0015	0033	750.0000	1950.0000	1096.6769	0.5624	INFERIDA	35
0004	0015	0034	750.0000	1950.0000	743.3159	0.3812	INFERIDA	15
0004	0015	0035	750.0000	1950.0000	1473.7411	0.7558	INFERIDA	16
0004	0015	0036	750.0000	1950.0000	1292.7815	0.6630	INFERIDA	15
0004	0015	0037	750.0000	1950.0000	1385.9870	0.7108	INFERIDA	15
0004	0015	0038	750.0000	1950.0000	229.1420	0.1175	INFERIDA	11
0004	0015	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0004	0015	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0004	0016	0027	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0016	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0004	0016	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0004	0016	0030	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0004	0016	0031	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0004	0016	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0004	0016	0034	750.0000	1950.0000	160.0149	0.0821	INFERIDA	7
0004	0016	0035	750.0000	1950.0000	239.1918	0.1227	INFERIDA	13
0004	0016	0036	750.0000	1950.0000	250.2968	0.1284	INFERIDA	19
0004	0016	0037	750.0000	1950.0000	232.3767	0.1192	INFERIDA	23
0004	0016	0038	750.0000	1950.0000	243.0914	0.1247	INFERIDA	20
0004	0016	0039	750.0000	1950.0000	245.2074	0.1257	INFERIDA	15
0004	0016	0040	750.0000	1950.0000	122.9789	0.0631	INFERIDA	8
0004	0016	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0004	0017	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0004	0017	0034	750.0000	1950.0000	169.6478	0.0870	INDICADA	9
0004	0017	0035	750.0000	1950.0000	195.9942	0.1005	MEDIDA	16
0004	0017	0036	750.0000	1950.0000	234.9236	0.1205	MEDIDA	21
0004	0017	0037	750.0000	1950.0000	277.5409	0.1423	MEDIDA	23
0004	0017	0038	750.0000	1950.0000	245.0190	0.1257	MEDIDA	22
0004	0017	0039	750.0000	1950.0000	181.2865	0.0930	MEDIDA	17
0004	0017	0040	750.0000	1950.0000	167.1259	0.0857	INDICADA	11
0004	0017	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0004	0018	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0004	0018	0034	750.0000	1950.0000	151.5095	0.0777	INFERIDA	8
0004	0018	0035	750.0000	1950.0000	241.4011	0.1238	INDICADA	14
0004	0018	0036	750.0000	1950.0000	244.9839	0.1256	INDICADA	20
0004	0018	0037	750.0000	1950.0000	238.8808	0.1225	INDICADA	23
0004	0018	0038	750.0000	1950.0000	239.4229	0.1228	INDICADA	21
0004	0018	0039	750.0000	1950.0000	230.4141	0.1182	INDICADA	16
0004	0018	0040	750.0000	1950.0000	167.7684	0.0860	INFERIDA	10
0004	0018	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0004	0019	0034	597.2833	1552.9365	77.6468	0.0500	INFERIDA	3
0004	0019	0035	567.4852	1475.4614	117.7690	0.0798	INFERIDA	8
0004	0019	0036	556.5932	1447.1423	201.7844	0.1394	INFERIDA	15
0004	0019	0037	579.8214	1507.5355	201.4133	0.1336	INFERIDA	18
0004	0019	0038	588.9633	1531.3046	195.3215	0.1276	INFERIDA	16
0004	0019	0039	589.2944	1532.1656	143.5193	0.0937	INFERIDA	10
0004	0019	0040	619.3309	1610.2603	80.5130	0.0500	INFERIDA	4
0004	0035	0042	1.2442	3.2349	3.8463	1.1890	INDICADA	20
0004	0035	0043	72.7853	189.2417	190.5052	1.0067	MEDIDA	25
0004	0035	0044	146.4170	380.6842	322.6129	0.8475	MEDIDA	30
0004	0035	0045	221.8951	576.9272	387.6018	0.6718	MEDIDA	34
0004	0035	0046	163.6859	425.5834	153.1597	0.3599	INDICADA	25
0004	0035	0047	128.0549	332.9428	80.4230	0.2416	INFERIDA	15
0004	0035	0048	60.6375	157.6576	30.0694	0.1907	INFERIDA	5
0004	0036	0041	73.6112	191.3891	276.2261	1.4433	INFERIDA	8

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0036	0042	184.9815	480.9518	636.9827	1.3244	INDICADA	15
0004	0036	0043	264.1188	686.7088	698.8110	1.0176	MEDIDA	28
0004	0036	0044	366.4733	952.8303	799.8399	0.8394	MEDIDA	35
0004	0036	0045	332.9440	865.6544	588.9802	0.6804	MEDIDA	35
0004	0036	0046	274.4171	713.4844	274.2192	0.3843	INDICADA	29
0004	0036	0047	229.5305	596.7793	201.8244	0.3382	INFERIDA	21
0004	0036	0048	203.0757	527.9969	163.1295	0.3090	INFERIDA	12
0004	0036	0049	137.3583	357.1317	76.3664	0.2138	INFERIDA	7
0004	0036	0050	99.5348	258.7906	86.6762	0.3349	INFERIDA	2
0004	0037	0041	194.7116	506.2501	1103.6716	2.1801	INFERIDA	5
0004	0037	0042	300.6872	781.7867	578.2380	0.7396	INFERIDA	19
0004	0037	0043	384.5702	999.8824	818.0401	0.8181	INDICADA	32
0004	0037	0044	451.7190	1174.4693	834.6672	0.7107	MEDIDA	51
0004	0037	0045	509.6374	1325.0571	812.3756	0.6131	MEDIDA	58
0004	0037	0046	410.7626	1067.9829	529.5480	0.4958	MEDIDA	70
0004	0037	0047	433.3932	1126.8223	303.4863	0.2693	MEDIDA	69
0004	0037	0048	372.5428	968.6114	248.8115	0.2569	MEDIDA	49
0004	0037	0049	303.2276	788.3919	146.6425	0.1860	INDICADA	30
0004	0037	0050	245.1724	637.4483	135.6868	0.2129	INFERIDA	7
0004	0038	0040	389.5999	1012.9597	101.2960	0.1000	INFERIDA	1
0004	0038	0041	518.7331	1348.7060	310.2978	0.2301	INFERIDA	5
0004	0038	0042	626.9242	1630.0029	2574.7975	1.5796	INDICADA	13
0004	0038	0043	708.3409	1841.6865	3436.2774	1.8658	INDICADA	35
0004	0038	0044	750.0000	1950.0000	3157.1348	1.6190	INDICADA	52
0004	0038	0045	750.0000	1950.0000	2090.9797	1.0723	INDICADA	89
0004	0038	0046	747.8393	1944.3823	1573.0122	0.8090	INDICADA	99
0004	0038	0047	695.4582	1808.1912	948.2018	0.5244	INDICADA	83
0004	0038	0048	643.2992	1672.5779	251.7769	0.1505	INDICADA	62
0004	0038	0049	621.0208	1614.6540	131.9943	0.0817	INDICADA	42
0004	0038	0050	604.4164	1571.4828	124.6324	0.0793	INFERIDA	22
0004	0038	0051	612.5827	1592.7149	79.6357	0.0500	INFERIDA	2
0004	0039	0040	368.0415	956.9080	104.7388	0.1095	INFERIDA	2
0004	0039	0041	441.8328	1148.7654	871.3992	0.7586	INFERIDA	8
0004	0039	0042	536.1334	1393.9468	1459.9789	1.0474	INDICADA	21
0004	0039	0043	668.8552	1739.0236	2476.7652	1.4242	MEDIDA	47
0004	0039	0044	729.6488	1897.0869	3218.3168	1.6965	INDICADA	77
0004	0039	0045	750.0000	1950.0000	2394.2130	1.2278	MEDIDA	117
0004	0039	0046	750.0000	1950.0000	1434.9201	0.7359	MEDIDA	130
0004	0039	0047	750.0000	1950.0000	526.3647	0.2699	MEDIDA	111
0004	0039	0048	750.0000	1950.0000	174.0450	0.0893	MEDIDA	83
0004	0039	0049	750.0000	1950.0000	100.4035	0.0515	INDICADA	49
0004	0039	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0004	0039	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0004	0040	0042	118.7900	308.8540	162.8046	0.5271	INDICADA	23
0004	0040	0043	255.5763	664.4984	499.5054	0.7517	MEDIDA	40
0004	0040	0044	326.5504	849.0310	1237.4584	1.4575	INDICADA	69

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0040	0045	405.4110	1054.0686	1530.2611	1.4518	MEDIDA	113
0004	0040	0046	641.5361	1667.9939	2263.3650	1.3569	MEDIDA	129
0004	0040	0047	750.0000	1950.0000	2143.4640	1.0992	MEDIDA	116
0004	0040	0048	750.0000	1950.0000	1284.0007	0.6585	INDICADA	94
0004	0040	0049	750.0000	1950.0000	414.7310	0.2127	INDICADA	59
0004	0040	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0004	0040	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0004	0041	0044	172.3187	448.0286	470.3097	1.0497	INDICADA	71
0004	0041	0045	396.9422	1032.0498	1416.9104	1.3729	INDICADA	71
0004	0041	0046	533.9847	1388.3602	2101.5793	1.5137	MEDIDA	80
0004	0041	0047	750.0000	1950.0000	2553.1628	1.3093	INDICADA	93
0004	0041	0048	750.0000	1950.0000	1893.7621	0.9712	INDICADA	81
0004	0041	0049	750.0000	1950.0000	1059.7815	0.5435	INDICADA	52
0004	0041	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	20
0004	0042	0044	33.7570	87.7682	41.7821	0.4761	MEDIDA	67
0004	0042	0045	180.0454	468.1180	319.1856	0.6818	MEDIDA	78
0004	0042	0046	472.0671	1227.3746	530.6518	0.4323	MEDIDA	68
0004	0042	0047	695.7777	1809.0220	843.5746	0.4663	MEDIDA	56
0004	0042	0048	750.0000	1950.0000	892.3184	0.4576	INDICADA	41
0004	0042	0049	750.0000	1950.0000	542.9628	0.2784	INDICADA	28
0004	0042	0050	750.0000	1950.0000	237.5584	0.1218	INFERIDA	20
0004	0042	0051	750.0000	1950.0000	500.0855	0.2565	INFERIDA	14
0004	0042	0052	750.0000	1950.0000	182.8121	0.0937	INFERIDA	8
0004	0042	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0004	0043	0045	35.5568	92.4476	31.5584	0.3414	INDICADA	52
0004	0043	0046	247.2963	642.9705	227.6427	0.3540	INDICADA	48
0004	0043	0047	426.7337	1109.5075	376.6304	0.3395	INDICADA	50
0004	0043	0048	707.0618	1838.3607	668.9170	0.3639	INDICADA	38
0004	0043	0049	750.0000	1950.0000	578.5334	0.2967	INFERIDA	21
0004	0043	0050	750.0000	1950.0000	602.1984	0.3088	INFERIDA	21
0004	0043	0051	750.0000	1950.0000	680.9056	0.3492	INFERIDA	17
0004	0043	0052	750.0000	1950.0000	553.3838	0.2838	INFERIDA	20
0004	0043	0053	750.0000	1950.0000	226.1507	0.1160	INFERIDA	20
0004	0043	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	19
0004	0043	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0004	0043	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0004	0043	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0004	0043	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0004	0043	0059	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0004	0043	0060	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0004	0044	0046	130.6427	339.6709	76.9878	0.2267	INFERIDA	52
0004	0044	0047	221.8522	576.8156	161.4470	0.2799	INFERIDA	54
0004	0044	0048	483.1736	1256.2514	645.6553	0.5140	INFERIDA	55
0004	0044	0049	750.0000	1950.0000	1097.7260	0.5629	INDICADA	31
0004	0044	0050	750.0000	1950.0000	993.6901	0.5096	INDICADA	13
0004	0044	0051	750.0000	1950.0000	916.3339	0.4699	INDICADA	19

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0044	0052	750.0000	1950.0000	1162.8098	0.5963	INFERIDA	27
0004	0044	0053	750.0000	1950.0000	1017.1357	0.5216	INFERIDA	34
0004	0044	0054	750.0000	1950.0000	1022.6372	0.5244	INFERIDA	38
0004	0044	0055	750.0000	1950.0000	318.0673	0.1631	INFERIDA	37
0004	0044	0056	750.0000	1950.0000	188.8373	0.0968	INFERIDA	36
0004	0044	0057	750.0000	1950.0000	139.3798	0.0715	INFERIDA	33
0004	0044	0058	750.0000	1950.0000	207.2955	0.1063	INFERIDA	26
0004	0044	0059	750.0000	1950.0000	230.2720	0.1181	INFERIDA	17
0004	0044	0060	750.0000	1950.0000	388.5521	0.1993	INFERIDA	7
0004	0045	0047	164.9613	428.8994	345.3624	0.8052	INDICADA	46
0004	0045	0048	305.1801	793.4682	652.4251	0.8222	INFERIDA	34
0004	0045	0049	619.3722	1610.3678	1032.6716	0.6413	INFERIDA	38
0004	0045	0050	750.0000	1950.0000	1082.1757	0.5550	INFERIDA	34
0004	0045	0051	750.0000	1950.0000	3456.5725	1.7726	INFERIDA	20
0004	0045	0052	750.0000	1950.0000	3342.5985	1.7142	INFERIDA	27
0004	0045	0053	750.0000	1950.0000	2885.7178	1.4799	INFERIDA	39
0004	0045	0054	750.0000	1950.0000	2235.5894	1.1465	INFERIDA	46
0004	0045	0055	750.0000	1950.0000	1565.5546	0.8028	INFERIDA	45
0004	0045	0056	750.0000	1950.0000	424.2439	0.2176	INFERIDA	39
0004	0045	0057	750.0000	1950.0000	328.4872	0.1685	INFERIDA	36
0004	0045	0058	750.0000	1950.0000	337.0968	0.1729	INFERIDA	27
0004	0045	0059	750.0000	1950.0000	375.4457	0.1925	INFERIDA	17
0004	0045	0060	750.0000	1950.0000	578.5372	0.2967	INFERIDA	8
0004	0045	0061	750.0000	1950.0000	1370.0889	0.7026	INFERIDA	2
0004	0046	0047	172.7502	449.1504	369.8617	0.8235	INDICADA	48
0004	0046	0048	417.0198	1084.2514	801.0680	0.7388	INFERIDA	62
0004	0046	0049	612.7287	1593.0947	1059.7201	0.6652	INFERIDA	69
0004	0046	0050	750.0000	1950.0000	1830.8734	0.9389	INFERIDA	56
0004	0046	0051	750.0000	1950.0000	3252.9065	1.6682	INFERIDA	39
0004	0046	0052	750.0000	1950.0000	3300.7650	1.6927	INFERIDA	48
0004	0046	0053	750.0000	1950.0000	2769.7659	1.4204	INFERIDA	58
0004	0046	0054	750.0000	1950.0000	2147.4518	1.1013	INFERIDA	60
0004	0046	0055	750.0000	1950.0000	1427.5817	0.7321	INFERIDA	58
0004	0046	0056	750.0000	1950.0000	434.4704	0.2228	INFERIDA	52
0004	0046	0057	750.0000	1950.0000	371.4046	0.1905	INFERIDA	43
0004	0046	0058	750.0000	1950.0000	432.6680	0.2219	INFERIDA	26
0004	0046	0059	750.0000	1950.0000	383.4040	0.1966	INFERIDA	17
0004	0046	0060	750.0000	1950.0000	606.7729	0.3112	INFERIDA	7
0004	0046	0061	750.0000	1950.0000	1371.3076	0.7032	INFERIDA	2
0004	0047	0046	62.4707	162.4239	52.0957	0.3207	MEDIDA	35
0004	0047	0047	178.3333	463.6665	216.2459	0.4664	MEDIDA	55
0004	0047	0048	517.2303	1344.7989	822.8161	0.6119	INDICADA	72
0004	0047	0049	734.7913	1910.4573	1380.0886	0.7224	MEDIDA	78
0004	0047	0050	750.0000	1950.0000	1815.1131	0.9308	INDICADA	81
0004	0047	0051	750.0000	1950.0000	1959.7985	1.0050	INDICADA	85
0004	0047	0052	750.0000	1950.0000	1987.5341	1.0192	INDICADA	88

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0047	0053	750.0000	1950.0000	1800.6326	0.9234	MEDIDA	97
0004	0047	0054	750.0000	1950.0000	1135.1433	0.5821	MEDIDA	96
0004	0047	0055	750.0000	1950.0000	807.1360	0.4139	MEDIDA	85
0004	0047	0056	750.0000	1950.0000	651.0144	0.3339	INDICADA	70
0004	0047	0057	750.0000	1950.0000	382.7654	0.1963	INFERIDA	53
0004	0047	0058	750.0000	1950.0000	404.8236	0.2076	INFERIDA	36
0004	0047	0059	750.0000	1950.0000	477.9234	0.2451	INFERIDA	18
0004	0047	0060	750.0000	1950.0000	413.4895	0.2120	INFERIDA	6
0004	0048	0046	49.3028	128.1874	65.3695	0.5095	INDICADA	46
0004	0048	0047	206.7681	537.5972	483.6975	0.8997	INDICADA	61
0004	0048	0048	431.7362	1122.5142	1213.2356	1.0808	INDICADA	70
0004	0048	0049	750.0000	1950.0000	1923.9013	0.9866	INDICADA	72
0004	0048	0050	750.0000	1950.0000	1992.9716	1.0220	INDICADA	89
0004	0048	0051	750.0000	1950.0000	1721.1433	0.8826	INDICADA	90
0004	0048	0052	750.0000	1950.0000	2276.9707	1.1677	INDICADA	95
0004	0048	0053	750.0000	1950.0000	2226.4793	1.1418	INDICADA	105
0004	0048	0054	750.0000	1950.0000	2406.4940	1.2341	INDICADA	99
0004	0048	0055	750.0000	1950.0000	2394.2758	1.2278	INDICADA	85
0004	0048	0056	750.0000	1950.0000	1668.0161	0.8554	INDICADA	74
0004	0048	0057	750.0000	1950.0000	1367.0541	0.7011	INFERIDA	49
0004	0048	0058	750.0000	1950.0000	1865.0168	0.9564	INFERIDA	26
0004	0048	0059	750.0000	1950.0000	491.7422	0.2522	INFERIDA	14
0004	0048	0060	750.0000	1950.0000	335.2683	0.1719	INFERIDA	5
0004	0049	0046	40.1794	104.4663	91.4637	0.8755	INFERIDA	64
0004	0049	0047	199.3686	518.3585	755.1673	1.4568	INDICADA	78
0004	0049	0048	371.6789	966.3653	1879.2465	1.9447	MEDIDA	93
0004	0049	0049	632.5671	1644.6744	2994.8417	1.8209	MEDIDA	95
0004	0049	0050	750.0000	1950.0000	2394.9926	1.2282	MEDIDA	91
0004	0049	0051	750.0000	1950.0000	1741.9892	0.8933	INDICADA	108
0004	0049	0052	750.0000	1950.0000	1838.4599	0.9428	MEDIDA	117
0004	0049	0053	750.0000	1950.0000	1774.5930	0.9100	MEDIDA	115
0004	0049	0054	750.0000	1950.0000	3018.6053	1.5480	MEDIDA	104
0004	0049	0055	750.0000	1950.0000	3523.3589	1.8069	INDICADA	83
0004	0049	0056	750.0000	1950.0000	3441.3213	1.7648	INFERIDA	65
0004	0049	0057	750.0000	1950.0000	2269.2742	1.1637	INDICADA	40
0004	0049	0058	750.0000	1950.0000	2571.7470	1.3188	INDICADA	19
0004	0049	0059	750.0000	1950.0000	593.9864	0.3046	INDICADA	9
0004	0049	0060	750.0000	1950.0000	433.6370	0.2224	INFERIDA	4
0004	0050	0047	224.6714	584.1457	700.8664	1.1998	MEDIDA	72
0004	0050	0048	416.0044	1081.6114	1559.3149	1.4417	MEDIDA	83
0004	0050	0049	610.7540	1587.9604	2590.3534	1.6312	MEDIDA	83
0004	0050	0050	750.0000	1950.0000	3060.5288	1.5695	MEDIDA	92
0004	0050	0051	750.0000	1950.0000	2708.2723	1.3889	MEDIDA	106
0004	0050	0052	750.0000	1950.0000	2587.8513	1.3271	INDICADA	110
0004	0050	0053	750.0000	1950.0000	2484.9019	1.2743	INDICADA	111
0004	0050	0054	750.0000	1950.0000	2989.7388	1.5332	INDICADA	99

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0050	0055	750.0000	1950.0000	3552.0510	1.8216	INDICADA	80
0004	0050	0056	750.0000	1950.0000	3031.9877	1.5549	INDICADA	56
0004	0050	0057	750.0000	1950.0000	2824.3803	1.4484	INDICADA	33
0004	0050	0058	750.0000	1950.0000	2565.9230	1.3159	INFERIDA	19
0004	0050	0059	750.0000	1950.0000	2527.2557	1.2960	INFERIDA	10
0004	0050	0060	750.0000	1950.0000	506.6638	0.2598	INFERIDA	2
0004	0051	0047	129.3641	336.3468	338.5216	1.0065	MEDIDA	81
0004	0051	0048	326.8922	849.9197	1104.6920	1.2998	MEDIDA	91
0004	0051	0049	511.9083	1330.9615	1962.8351	1.4747	MEDIDA	90
0004	0051	0050	686.7222	1785.4777	2495.8277	1.3978	MEDIDA	79
0004	0051	0051	750.0000	1950.0000	2568.6088	1.3172	MEDIDA	92
0004	0051	0052	750.0000	1950.0000	2328.0096	1.1939	INDICADA	91
0004	0051	0053	750.0000	1950.0000	2091.2416	1.0724	INDICADA	84
0004	0051	0054	750.0000	1950.0000	2386.7819	1.2240	INDICADA	71
0004	0051	0055	750.0000	1950.0000	2725.4050	1.3976	INDICADA	46
0004	0051	0056	750.0000	1950.0000	2596.5840	1.3316	INDICADA	29
0004	0051	0057	750.0000	1950.0000	2588.1794	1.3273	INDICADA	19
0004	0051	0058	750.0000	1950.0000	3199.5494	1.6408	INFERIDA	9
0004	0051	0059	750.0000	1950.0000	4796.2921	2.4596	INFERIDA	3
0004	0052	0047	40.1128	104.2933	64.7316	0.6207	INDICADA	79
0004	0052	0048	143.9208	374.1942	420.8646	1.1247	INDICADA	88
0004	0052	0049	350.3117	910.8104	1471.0236	1.6151	INDICADA	93
0004	0052	0050	483.2637	1256.4855	3306.7913	2.6318	MEDIDA	92
0004	0052	0051	597.8734	1554.4709	3257.8181	2.0958	MEDIDA	88
0004	0052	0052	721.6734	1876.3508	3437.0564	1.8318	MEDIDA	84
0004	0052	0053	750.0000	1950.0000	2074.6262	1.0639	MEDIDA	74
0004	0052	0054	750.0000	1950.0000	1073.1268	0.5503	MEDIDA	58
0004	0052	0055	750.0000	1950.0000	1055.3835	0.5412	MEDIDA	40
0004	0052	0056	750.0000	1950.0000	1386.4924	0.7110	MEDIDA	27
0004	0052	0057	731.7083	1902.4415	1464.2653	0.7697	INDICADA	18
0004	0052	0058	686.6102	1785.1865	1897.7592	1.0631	INFERIDA	9
0004	0053	0048	47.6830	123.9758	176.3433	1.4224	INDICADA	58
0004	0053	0049	170.2269	442.5899	1214.4753	2.7440	INDICADA	64
0004	0053	0050	349.4985	908.6962	3040.6331	3.3461	INDICADA	67
0004	0053	0051	433.0372	1125.8967	4247.1139	3.7722	INDICADA	57
0004	0053	0052	469.5854	1220.9221	4432.8327	3.6307	INDICADA	44
0004	0053	0053	526.5541	1369.0408	3563.6527	2.6030	INDICADA	39
0004	0053	0054	537.7996	1398.2790	1448.9039	1.0362	INDICADA	31
0004	0053	0055	540.7944	1406.0654	748.5287	0.5324	INDICADA	21
0004	0053	0056	518.3021	1347.5854	722.2711	0.5360	INDICADA	13
0004	0053	0057	488.5714	1270.2855	747.6027	0.5885	INFERIDA	8
0004	0053	0058	457.8224	1190.3383	999.9668	0.8401	INFERIDA	3
0004	0054	0049	29.9524	77.8761	235.3513	3.0221	INDICADA	53
0004	0054	0050	159.2881	414.1491	1980.3402	4.7817	MEDIDA	61
0004	0054	0051	207.8139	540.3161	3344.4067	6.1897	MEDIDA	55
0004	0054	0052	222.5583	578.6515	2670.9258	4.6158	MEDIDA	34

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0004	0054	0053	221.7247	576.4843	1971.3089	3.4195	MEDIDA	30
0004	0054	0054	227.3797	591.1872	1068.0858	1.8067	INDICADA	25
0004	0054	0055	250.3755	650.9762	721.7429	1.1087	INFERIDA	17
0004	0054	0056	187.5715	487.6858	270.6440	0.5550	INFERIDA	8
0004	0054	0057	208.0569	540.9479	460.3318	0.0510	INFERIDA	3
0005	0012	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0005	0012	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0005	0012	0030	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0005	0012	0031	750.0000	1950.0000	1031.3326	0.5289	INFERIDA	23
0005	0012	0032	750.0000	1950.0000	1114.3077	0.5714	INFERIDA	22
0005	0012	0033	750.0000	1950.0000	1288.8310	0.6609	INFERIDA	19
0005	0012	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0005	0013	0026	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0005	0013	0027	750.0000	1950.0000	97.5000	0.0500	INFERIDA	20
0005	0013	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0005	0013	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	32
0005	0013	0030	750.0000	1950.0000	637.1837	0.3268	INDICADA	35
0005	0013	0031	750.0000	1950.0000	769.2773	0.3945	INDICADA	36
0005	0013	0032	750.0000	1950.0000	923.7475	0.4737	INDICADA	34
0005	0013	0033	750.0000	1950.0000	978.8479	0.5020	INDICADA	32
0005	0013	0034	750.0000	1950.0000	1046.5090	0.5367	INFERIDA	26
0005	0013	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0005	0013	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0005	0014	0026	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0005	0014	0027	750.0000	1950.0000	97.5000	0.0500	INFERIDA	23
0005	0014	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0005	0014	0029	750.0000	1950.0000	116.5406	0.0598	INDICADA	34
0005	0014	0030	750.0000	1950.0000	388.6778	0.1993	MEDIDA	37
0005	0014	0031	750.0000	1950.0000	441.0238	0.2262	MEDIDA	38
0005	0014	0032	750.0000	1950.0000	1237.7987	0.6348	MEDIDA	36
0005	0014	0033	750.0000	1950.0000	1288.3559	0.6607	INDICADA	35
0005	0014	0034	750.0000	1950.0000	1061.3540	0.5443	INFERIDA	28
0005	0014	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0005	0014	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0005	0015	0027	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0005	0015	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0005	0015	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	29
0005	0015	0030	750.0000	1950.0000	713.1678	0.3657	INFERIDA	32
0005	0015	0031	750.0000	1950.0000	809.9577	0.4154	INFERIDA	32
0005	0015	0032	750.0000	1950.0000	884.8676	0.4538	INFERIDA	32
0005	0015	0033	750.0000	1950.0000	944.5095	0.4844	INFERIDA	30
0005	0015	0034	750.0000	1950.0000	1050.7787	0.5389	INFERIDA	25
0005	0015	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0005	0015	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0005	0016	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0005	0016	0030	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0016	0031	750.0000	1950.0000	184.9931	0.0949	INFERIDA	13
0005	0016	0032	750.0000	1950.0000	1656.7012	0.8496	INFERIDA	14
0005	0016	0033	750.0000	1950.0000	333.6609	0.1711	INFERIDA	7
0005	0016	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0005	0016	0035	750.0000	1950.0000	207.2832	0.1063	INFERIDA	9
0005	0016	0036	750.0000	1950.0000	273.3068	0.1402	INFERIDA	16
0005	0016	0037	750.0000	1950.0000	247.2512	0.1268	INFERIDA	20
0005	0016	0038	750.0000	1950.0000	241.5449	0.1239	INFERIDA	17
0005	0016	0039	750.0000	1950.0000	223.1090	0.1144	INFERIDA	11
0005	0016	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0005	0017	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0005	0017	0034	750.0000	1950.0000	158.0442	0.0810	INFERIDA	7
0005	0017	0035	750.0000	1950.0000	207.3731	0.1063	INFERIDA	12
0005	0017	0036	750.0000	1950.0000	254.8119	0.1307	INFERIDA	18
0005	0017	0037	750.0000	1950.0000	237.2273	0.1217	INFERIDA	23
0005	0017	0038	750.0000	1950.0000	245.4232	0.1259	INFERIDA	20
0005	0017	0039	750.0000	1950.0000	242.0096	0.1241	INFERIDA	15
0005	0017	0040	750.0000	1950.0000	122.0449	0.0626	INFERIDA	8
0005	0017	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0005	0018	0034	750.0000	1950.0000	137.1916	0.0704	INFERIDA	5
0005	0018	0035	750.0000	1950.0000	219.8297	0.1127	INFERIDA	11
0005	0018	0036	750.0000	1950.0000	263.2588	0.1350	INFERIDA	17
0005	0018	0037	750.0000	1950.0000	237.1128	0.1216	INFERIDA	22
0005	0018	0038	750.0000	1950.0000	247.5350	0.1269	INFERIDA	18
0005	0018	0039	750.0000	1950.0000	223.0390	0.1144	INFERIDA	14
0005	0018	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0005	0018	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0005	0019	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0005	0019	0036	750.0000	1950.0000	226.4786	0.1161	INFERIDA	8
0005	0019	0037	750.0000	1950.0000	333.5286	0.1710	INFERIDA	8
0005	0019	0038	750.0000	1950.0000	273.2224	0.1401	INFERIDA	5
0005	0019	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0005	0029	0039	313.0214	813.8556	40.6928	0.0500	INFERIDA	1
0005	0029	0040	337.7634	878.1848	2996.4116	3.4121	INFERIDA	8
0005	0029	0041	351.1726	913.0488	2795.3897	3.0616	INFERIDA	17
0005	0029	0042	386.8354	1005.7720	2615.0569	2.6000	INFERIDA	21
0005	0029	0043	450.0000	1170.0000	3135.3938	2.6798	INFERIDA	20
0005	0029	0044	450.0000	1170.0000	4116.6191	3.5185	INFERIDA	14
0005	0029	0045	450.0000	1170.0000	425.9093	0.3640	INFERIDA	5
0005	0030	0039	249.5627	648.8631	32.4432	0.0500	INFERIDA	6
0005	0030	0040	302.9402	787.6445	2440.1203	3.0980	INDICADA	13
0005	0030	0041	310.1193	806.3102	2101.7880	2.6067	MEDIDA	21
0005	0030	0042	342.1405	889.5653	2507.1606	2.8184	MEDIDA	21
0005	0030	0043	378.6680	984.5368	2423.3195	2.4614	MEDIDA	21
0005	0030	0044	423.4847	1101.0602	2569.2067	2.3334	INDICADA	18
0005	0030	0045	440.4512	1145.1731	1248.1725	1.0899	INFERIDA	11

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0030	0046	450.0000	1170.0000	450.0956	0.3847	INFERIDA	2
0005	0031	0039	231.7816	602.6323	30.1316	0.0500	INFERIDA	6
0005	0031	0040	277.7915	722.2579	2237.5528	3.0980	INDICADA	13
0005	0031	0041	304.5841	791.9186	2064.2737	2.6067	MEDIDA	21
0005	0031	0042	334.5647	869.8683	2451.6462	2.8184	MEDIDA	21
0005	0031	0043	369.5015	960.7039	2364.6576	2.4614	MEDIDA	21
0005	0031	0044	384.9978	1000.9942	2335.7135	2.3334	INDICADA	18
0005	0031	0045	410.1967	1066.5115	1162.4358	1.0899	INFERIDA	11
0005	0031	0046	433.3552	1126.7235	433.4473	0.3847	INFERIDA	2
0005	0032	0038	224.6412	584.0671	29.2034	0.0500	INFERIDA	6
0005	0032	0039	239.0767	621.5993	98.2394	0.1580	INFERIDA	12
0005	0032	0040	286.9320	746.0231	1313.0406	1.7601	INFERIDA	22
0005	0032	0041	301.0103	782.6268	2396.0897	3.0616	INFERIDA	17
0005	0032	0042	319.7656	831.3906	2026.4366	2.4374	INFERIDA	25
0005	0032	0043	351.4781	913.8431	2040.6037	2.2330	INFERIDA	29
0005	0032	0044	383.4331	996.9259	2506.1127	2.5138	INFERIDA	25
0005	0032	0045	393.2242	1022.3828	325.3133	0.3182	INFERIDA	11
0005	0032	0046	426.5607	1109.0579	55.4529	0.0500	INFERIDA	1
0005	0033	0037	163.8497	426.0092	21.3005	0.0500	INFERIDA	6
0005	0033	0038	199.2926	518.1608	83.0576	0.1603	INDICADA	12
0005	0033	0039	227.9915	592.7779	231.8537	0.3911	INDICADA	18
0005	0033	0040	284.9999	740.9999	292.3658	0.3946	INFERIDA	22
0005	0033	0041	320.4797	833.2472	446.5691	0.5359	INFERIDA	30
0005	0033	0042	386.0057	1003.6148	675.3544	0.6729	INDICADA	25
0005	0033	0043	420.1197	1092.3112	593.1398	0.5430	INDICADA	11
0005	0033	0044	462.4922	1202.4798	583.2858	0.4851	INDICADA	11
0005	0033	0045	501.3451	1303.4972	581.3309	0.4460	INDICADA	11
0005	0033	0046	521.5328	1355.9854	312.7209	0.2306	INFERIDA	7
0005	0033	0047	543.1459	1412.1794	70.6090	0.0500	INFERIDA	2
0005	0034	0037	179.9195	467.7907	23.3895	0.0500	INFERIDA	8
0005	0034	0038	176.9522	460.0758	81.4902	0.1771	INDICADA	14
0005	0034	0039	299.1439	777.7741	175.3583	0.2255	MEDIDA	20
0005	0034	0040	364.2068	946.9377	383.3005	0.4048	INDICADA	25
0005	0034	0041	445.8351	1159.1713	776.7087	0.6701	INFERIDA	37
0005	0034	0042	547.0520	1422.3351	1544.6762	1.0860	INDICADA	42
0005	0034	0043	637.3891	1657.2118	1399.0164	0.8442	MEDIDA	23
0005	0034	0044	653.4614	1698.9997	651.5343	0.3835	MEDIDA	25
0005	0034	0045	713.2667	1854.4935	442.4494	0.2386	MEDIDA	22
0005	0034	0046	697.3406	1813.0855	384.8807	0.2123	INDICADA	13
0005	0034	0047	676.7983	1759.6755	103.5177	0.0588	INFERIDA	5
0005	0035	0037	317.0670	824.3741	41.2187	0.0500	INFERIDA	5
0005	0035	0038	390.9871	1016.5665	159.6473	0.1570	INFERIDA	11
0005	0035	0039	473.0002	1229.8006	404.6330	0.3290	INFERIDA	17
0005	0035	0040	581.9319	1513.0228	637.2712	0.4212	INFERIDA	22
0005	0035	0041	650.6597	1691.7151	1711.7530	1.0118	INFERIDA	34
0005	0035	0042	750.0000	1950.0000	2393.9777	1.2277	INDICADA	21

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

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ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0035	0043	750.0000	1950.0000	2156.3272	1.1058	MEDIDA	25
0005	0035	0044	750.0000	1950.0000	1788.6366	0.9172	INDICADA	29
0005	0035	0045	750.0000	1950.0000	1438.7837	0.7378	INDICADA	33
0005	0035	0046	750.0000	1950.0000	712.7218	0.3655	INDICADA	21
0005	0035	0047	750.0000	1950.0000	204.3017	0.1048	INFERIDA	11
0005	0035	0048	750.0000	1950.0000	552.5960	0.2834	INFERIDA	3
0005	0036	0038	533.9883	1388.3695	69.4185	0.0500	INFERIDA	2
0005	0036	0039	589.1839	1531.8781	76.5939	0.0500	INFERIDA	6
0005	0036	0040	727.1231	1890.5200	510.4404	0.2700	INFERIDA	1
0005	0036	0041	750.0000	1950.0000	3198.1333	1.6401	INFERIDA	7
0005	0036	0042	750.0000	1950.0000	2734.5137	1.4023	INDICADA	17
0005	0036	0043	750.0000	1950.0000	2231.5116	1.1444	MEDIDA	30
0005	0036	0044	750.0000	1950.0000	1847.9973	0.9477	INDICADA	36
0005	0036	0045	750.0000	1950.0000	1412.8848	0.7246	INDICADA	36
0005	0036	0046	750.0000	1950.0000	757.4740	0.3884	INDICADA	29
0005	0036	0047	750.0000	1950.0000	594.0285	0.3046	INFERIDA	20
0005	0036	0048	750.0000	1950.0000	609.8560	0.3127	INFERIDA	12
0005	0036	0049	750.0000	1950.0000	372.7394	0.1911	INFERIDA	6
0005	0036	0050	750.0000	1950.0000	273.0000	0.1400	INFERIDA	1
0005	0037	0041	750.0000	1950.0000	4987.4554	2.5577	INFERIDA	4
0005	0037	0042	750.0000	1950.0000	1609.5164	0.8254	INFERIDA	15
0005	0037	0043	750.0000	1950.0000	1299.4905	0.6664	INDICADA	32
0005	0037	0044	750.0000	1950.0000	1614.6088	0.8280	INDICADA	42
0005	0037	0045	750.0000	1950.0000	1282.8952	0.6579	INDICADA	72
0005	0037	0046	750.0000	1950.0000	1126.5453	0.5777	INDICADA	74
0005	0037	0047	750.0000	1950.0000	644.6735	0.3306	INDICADA	63
0005	0037	0048	750.0000	1950.0000	534.8970	0.2743	INDICADA	47
0005	0037	0049	750.0000	1950.0000	397.5247	0.2039	INDICADA	16
0005	0037	0050	750.0000	1950.0000	548.7395	0.2814	INFERIDA	3
0005	0038	0041	750.0000	1950.0000	284.4364	0.1459	INFERIDA	4
0005	0038	0042	750.0000	1950.0000	1711.4984	0.8777	INFERIDA	16
0005	0038	0043	750.0000	1950.0000	4306.6576	2.2085	INFERIDA	34
0005	0038	0044	750.0000	1950.0000	2675.7311	1.3722	INDICADA	76
0005	0038	0045	750.0000	1950.0000	2314.5046	1.1869	INDICADA	92
0005	0038	0046	750.0000	1950.0000	1772.1909	0.9088	INDICADA	98
0005	0038	0047	750.0000	1950.0000	1327.2982	0.6807	INDICADA	88
0005	0038	0048	750.0000	1950.0000	379.3259	0.1945	INDICADA	65
0005	0038	0049	750.0000	1950.0000	153.3526	0.0786	INFERIDA	44
0005	0038	0050	750.0000	1950.0000	172.5099	0.0885	INFERIDA	18
0005	0039	0041	750.0000	1950.0000	395.2142	0.2027	INFERIDA	7
0005	0039	0042	750.0000	1950.0000	1655.4809	0.8490	INFERIDA	23
0005	0039	0043	750.0000	1950.0000	3705.4308	1.9002	INDICADA	55
0005	0039	0044	750.0000	1950.0000	3802.3823	1.9499	MEDIDA	98
0005	0039	0045	750.0000	1950.0000	7480.9944	3.8364	MEDIDA	124
0005	0039	0046	750.0000	1950.0000	2945.2119	1.5104	MEDIDA	132
0005	0039	0047	750.0000	1950.0000	987.7505	0.5065	MEDIDA	123

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0039	0048	750.0000	1950.0000	868.8365	0.4456	INDICADA	98
0005	0039	0049	750.0000	1950.0000	103.4677	0.0531	INFERIDA	58
0005	0039	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0005	0039	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0005	0040	0041	740.7465	1925.9409	212.8843	0.1105	INFERIDA	11
0005	0040	0042	750.0000	1950.0000	449.1576	0.2303	INDICADA	31
0005	0040	0043	750.0000	1950.0000	1820.8682	0.9338	MEDIDA	55
0005	0040	0044	750.0000	1950.0000	2202.7034	1.1296	MEDIDA	99
0005	0040	0045	750.0000	1950.0000	2497.0731	1.2806	MEDIDA	115
0005	0040	0046	750.0000	1950.0000	2582.2956	1.3243	MEDIDA	124
0005	0040	0047	750.0000	1950.0000	2281.2908	1.1699	INDICADA	119
0005	0040	0048	750.0000	1950.0000	1407.6184	0.7219	INDICADA	92
0005	0040	0049	750.0000	1950.0000	456.6663	0.2342	INFERIDA	64
0005	0040	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0005	0040	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0005	0041	0040	411.3241	1069.4426	375.5992	0.3512	INFERIDA	6
0005	0041	0041	510.5999	1327.5596	222.1737	0.1674	INFERIDA	17
0005	0041	0042	596.4652	1550.8095	268.6333	0.1732	INDICADA	29
0005	0041	0043	743.4356	1932.9326	735.1705	0.3803	INDICADA	47
0005	0041	0044	750.0000	1950.0000	1567.6730	0.8039	INDICADA	78
0005	0041	0045	750.0000	1950.0000	2273.0749	1.1657	INDICADA	96
0005	0041	0046	750.0000	1950.0000	2555.0246	1.3103	INDICADA	108
0005	0041	0047	750.0000	1950.0000	2284.4350	1.1715	INDICADA	98
0005	0041	0048	750.0000	1950.0000	2021.6998	1.0368	INDICADA	68
0005	0041	0049	750.0000	1950.0000	591.8473	0.3035	INFERIDA	41
0005	0041	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0005	0041	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0005	0042	0039	149.8229	389.5394	128.5480	0.3300	INFERIDA	1
0005	0042	0040	241.9173	628.9849	209.2620	0.3327	INFERIDA	8
0005	0042	0041	388.4358	1009.9331	318.4613	0.3153	INDICADA	15
0005	0042	0042	454.8156	1182.5204	365.9182	0.3094	MEDIDA	29
0005	0042	0043	601.6216	1564.2162	307.0290	0.1963	MEDIDA	50
0005	0042	0044	750.0000	1950.0000	526.1759	0.2698	INDICADA	74
0005	0042	0045	750.0000	1950.0000	913.2632	0.4683	INDICADA	96
0005	0042	0046	750.0000	1950.0000	1123.1299	0.5760	INDICADA	99
0005	0042	0047	750.0000	1950.0000	1289.2384	0.6611	INDICADA	90
0005	0042	0048	750.0000	1950.0000	1168.8338	0.5994	INFERIDA	64
0005	0042	0049	750.0000	1950.0000	180.0757	0.0923	INFERIDA	28
0005	0042	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0005	0042	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0005	0043	0040	215.7628	560.9832	184.9727	0.3297	INFERIDA	7
0005	0043	0041	348.9087	907.1627	218.5631	0.2409	INDICADA	13
0005	0043	0042	409.8876	1065.7078	205.7214	0.1930	INDICADA	23
0005	0043	0043	526.8073	1369.6990	254.6694	0.1859	INDICADA	40
0005	0043	0044	676.9613	1760.0994	300.4755	0.1707	INDICADA	55
0005	0043	0045	750.0000	1950.0000	350.3538	0.1797	INDICADA	64

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0043	0046	750.0000	1950.0000	492.3669	0.2525	INDICADA	69
0005	0043	0047	750.0000	1950.0000	545.4598	0.2797	INDICADA	62
0005	0043	0048	750.0000	1950.0000	411.8033	0.2112	INFERIDA	41
0005	0043	0049	750.0000	1950.0000	571.4290	0.2930	INFERIDA	32
0005	0043	0050	750.0000	1950.0000	801.1945	0.4109	INFERIDA	15
0005	0043	0051	750.0000	1950.0000	995.4372	0.5105	INFERIDA	9
0005	0043	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0005	0044	0041	282.2028	733.7272	235.3325	0.3207	INFERIDA	7
0005	0044	0042	377.3556	981.1245	154.2333	0.1572	INFERIDA	18
0005	0044	0043	414.6260	1078.0276	114.0503	0.1058	INDICADA	30
0005	0044	0044	577.5845	1501.7197	151.0367	0.1006	MEDIDA	42
0005	0044	0045	680.0627	1768.1631	158.4559	0.0896	MEDIDA	51
0005	0044	0046	750.0000	1950.0000	295.7146	0.1516	MEDIDA	54
0005	0044	0047	750.0000	1950.0000	446.7553	0.2291	INDICADA	60
0005	0044	0048	750.0000	1950.0000	641.7738	0.3291	INFERIDA	55
0005	0044	0049	750.0000	1950.0000	746.6178	0.3829	INFERIDA	50
0005	0044	0050	750.0000	1950.0000	960.4394	0.4925	INFERIDA	40
0005	0044	0051	750.0000	1950.0000	718.7181	0.3686	INFERIDA	27
0005	0044	0052	750.0000	1950.0000	366.2893	0.1878	INFERIDA	10
0005	0044	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0005	0045	0042	289.0713	751.5854	123.7507	0.1647	INFERIDA	3
0005	0045	0043	326.2312	848.2011	73.5453	0.0867	INFERIDA	10
0005	0045	0044	451.9806	1175.1497	807.5653	0.6872	INFERIDA	21
0005	0045	0045	588.3394	1529.6824	981.4211	0.6416	INDICADA	34
0005	0045	0046	670.0183	1742.0476	1326.0175	0.7612	MEDIDA	46
0005	0045	0047	750.0000	1950.0000	1272.4689	0.6525	MEDIDA	65
0005	0045	0048	750.0000	1950.0000	1214.3616	0.6227	MEDIDA	69
0005	0045	0049	750.0000	1950.0000	1165.2684	0.5976	INDICADA	58
0005	0045	0050	750.0000	1950.0000	993.9100	0.5097	INFERIDA	41
0005	0045	0051	750.0000	1950.0000	866.9882	0.4446	INFERIDA	32
0005	0045	0052	750.0000	1950.0000	1652.7843	0.8476	INFERIDA	17
0005	0045	0053	750.0000	1950.0000	5490.4483	2.8156	INFERIDA	9
0005	0045	0054	750.0000	1950.0000	3046.7183	1.5624	INFERIDA	8
0005	0045	0055	750.0000	1950.0000	491.9081	0.2523	INFERIDA	15
0005	0045	0056	750.0000	1950.0000	323.7589	0.1660	INFERIDA	10
0005	0045	0057	750.0000	1950.0000	300.6707	0.1542	INFERIDA	7
0005	0045	0058	750.0000	1950.0000	216.8149	0.1112	INFERIDA	8
0005	0045	0059	750.0000	1950.0000	697.9022	0.3579	INFERIDA	5
0005	0046	0044	469.9600	1221.8959	1659.6846	1.3583	INFERIDA	12
0005	0046	0045	538.2910	1399.5565	1035.3385	0.7398	INFERIDA	33
0005	0046	0046	715.5703	1860.4828	1373.4220	0.7382	INDICADA	51
0005	0046	0047	750.0000	1950.0000	1408.4097	0.7223	INDICADA	61
0005	0046	0048	750.0000	1950.0000	1328.3274	0.6812	INDICADA	68
0005	0046	0049	750.0000	1950.0000	1253.2685	0.6427	INDICADA	81
0005	0046	0050	750.0000	1950.0000	1265.1388	0.6488	INFERIDA	74
0005	0046	0051	750.0000	1950.0000	1104.0498	0.5662	INFERIDA	54

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0046	0052	750.0000	1950.0000	1647.7033	0.8450	INFERIDA	48
0005	0046	0053	750.0000	1950.0000	2361.6485	1.2111	INFERIDA	30
0005	0046	0054	750.0000	1950.0000	1041.4297	0.5341	INFERIDA	30
0005	0046	0055	750.0000	1950.0000	576.6698	0.2957	INFERIDA	24
0005	0046	0056	750.0000	1950.0000	303.6788	0.1557	INFERIDA	19
0005	0046	0057	750.0000	1950.0000	216.5557	0.1111	INFERIDA	14
0005	0046	0058	750.0000	1950.0000	206.9608	0.1061	INFERIDA	8
0005	0046	0059	750.0000	1950.0000	845.4236	0.4336	INFERIDA	4
0005	0047	0043	360.0042	936.0108	440.8101	0.4709	INFERIDA	4
0005	0047	0044	459.0382	1193.4993	433.5681	0.3633	INFERIDA	11
0005	0047	0045	607.2674	1578.8952	504.6237	0.3196	INFERIDA	35
0005	0047	0046	750.0000	1950.0000	748.9166	0.3841	INDICADA	58
0005	0047	0047	750.0000	1950.0000	753.8278	0.3866	MEDIDA	77
0005	0047	0048	750.0000	1950.0000	1045.7484	0.5363	MEDIDA	95
0005	0047	0049	750.0000	1950.0000	1639.3548	0.8407	MEDIDA	97
0005	0047	0050	750.0000	1950.0000	1619.3848	0.8305	INDICADA	80
0005	0047	0051	750.0000	1950.0000	1821.7613	0.9342	INFERIDA	70
0005	0047	0052	750.0000	1950.0000	1416.6574	0.7265	INFERIDA	70
0005	0047	0053	750.0000	1950.0000	1021.3595	0.5238	INFERIDA	61
0005	0047	0054	750.0000	1950.0000	736.5904	0.3777	INDICADA	45
0005	0047	0055	750.0000	1950.0000	442.3782	0.2269	MEDIDA	36
0005	0047	0056	750.0000	1950.0000	239.3276	0.1227	MEDIDA	25
0005	0047	0057	750.0000	1950.0000	202.6001	0.1039	INDICADA	12
0005	0047	0058	750.0000	1950.0000	186.2060	0.0955	INFERIDA	4
0005	0048	0042	243.6951	633.6074	342.5460	0.5406	INFERIDA	3
0005	0048	0043	343.9960	894.3897	265.4329	0.2968	INFERIDA	8
0005	0048	0044	417.8412	1086.3870	300.9966	0.2771	INDICADA	15
0005	0048	0045	600.8469	1562.2019	510.9034	0.3270	INDICADA	33
0005	0048	0046	750.0000	1950.0000	1271.4475	0.6520	INDICADA	53
0005	0048	0047	750.0000	1950.0000	1665.7135	0.8542	INDICADA	69
0005	0048	0048	750.0000	1950.0000	1775.6869	0.9106	INDICADA	83
0005	0048	0049	750.0000	1950.0000	1939.2773	0.9945	INDICADA	93
0005	0048	0050	750.0000	1950.0000	1786.2733	0.9160	INFERIDA	102
0005	0048	0051	750.0000	1950.0000	1579.6366	0.8101	INFERIDA	106
0005	0048	0052	750.0000	1950.0000	1551.2223	0.7955	INFERIDA	97
0005	0048	0053	750.0000	1950.0000	1974.8393	1.0127	INDICADA	75
0005	0048	0054	750.0000	1950.0000	1943.2652	0.9965	INDICADA	57
0005	0048	0055	750.0000	1950.0000	1272.4512	0.6525	INDICADA	46
0005	0048	0056	750.0000	1950.0000	1511.8200	0.7753	INDICADA	35
0005	0048	0057	750.0000	1950.0000	398.4365	0.2043	INFERIDA	27
0005	0048	0058	750.0000	1950.0000	353.7038	0.1814	INFERIDA	11
0005	0048	0059	750.0000	1950.0000	443.0419	0.2272	INFERIDA	3
0005	0049	0042	229.1327	595.7449	296.5431	0.4978	INFERIDA	4
0005	0049	0043	309.4695	804.6207	317.0362	0.3940	INDICADA	14
0005	0049	0044	435.4453	1132.1577	533.7542	0.4714	MEDIDA	28
0005	0049	0045	622.0494	1617.3283	592.3289	0.3662	MEDIDA	45

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0049	0046	750.0000	1950.0000	1269.3043	0.6509	MEDIDA	78
0005	0049	0047	750.0000	1950.0000	1974.1304	1.0124	INDICADA	102
0005	0049	0048	750.0000	1950.0000	2480.6976	1.2722	INDICADA	118
0005	0049	0049	750.0000	1950.0000	2618.8344	1.3430	INDICADA	125
0005	0049	0050	750.0000	1950.0000	2350.6452	1.2055	INFERIDA	125
0005	0049	0051	750.0000	1950.0000	1713.5602	0.8787	INFERIDA	108
0005	0049	0052	750.0000	1950.0000	1611.4903	0.8264	INDICADA	94
0005	0049	0053	750.0000	1950.0000	2506.2523	1.2853	INDICADA	90
0005	0049	0054	750.0000	1950.0000	2303.4942	1.1813	MEDIDA	69
0005	0049	0055	750.0000	1950.0000	1173.1430	0.6016	MEDIDA	59
0005	0049	0056	750.0000	1950.0000	1335.7094	0.6850	INDICADA	44
0005	0049	0057	750.0000	1950.0000	697.2342	0.3576	INFERIDA	29
0005	0049	0058	750.0000	1950.0000	458.5601	0.2352	INFERIDA	10
0005	0049	0059	750.0000	1950.0000	418.9581	0.2149	INFERIDA	4
0005	0050	0042	159.6894	415.1924	358.5810	0.8637	INFERIDA	5
0005	0050	0043	276.4860	718.8637	680.8308	0.9471	INFERIDA	17
0005	0050	0044	364.7999	948.4796	846.1711	0.8921	INDICADA	37
0005	0050	0045	593.9937	1544.3837	1412.6236	0.9147	INDICADA	58
0005	0050	0046	724.8862	1884.7041	1702.2731	0.9032	MEDIDA	79
0005	0050	0047	750.0000	1950.0000	1927.9064	0.9887	MEDIDA	102
0005	0050	0048	750.0000	1950.0000	2063.9038	1.0584	INDICADA	115
0005	0050	0049	750.0000	1950.0000	2117.0172	1.0856	INDICADA	117
0005	0050	0050	750.0000	1950.0000	1972.6422	1.0116	INDICADA	121
0005	0050	0051	750.0000	1950.0000	1512.1472	0.7755	INDICADA	122
0005	0050	0052	750.0000	1950.0000	1395.8473	0.7158	INDICADA	100
0005	0050	0053	750.0000	1950.0000	1256.8635	0.6445	INDICADA	81
0005	0050	0054	750.0000	1950.0000	1688.9313	0.8661	INDICADA	59
0005	0050	0055	750.0000	1950.0000	1864.3772	0.9561	INFERIDA	44
0005	0050	0056	750.0000	1950.0000	2147.9733	1.1015	INFERIDA	28
0005	0050	0057	750.0000	1950.0000	1916.1351	0.9826	INFERIDA	16
0005	0050	0058	750.0000	1950.0000	2788.4333	1.4300	INFERIDA	8
0005	0050	0059	750.0000	1950.0000	897.0000	0.4600	INFERIDA	1
0005	0051	0042	221.3279	575.4526	526.5633	0.9150	INFERIDA	4
0005	0051	0043	293.8560	764.0257	766.3946	1.0031	INDICADA	16
0005	0051	0044	428.4565	1113.9868	962.1406	0.8637	MEDIDA	37
0005	0051	0045	517.5772	1345.7007	1087.0802	0.8078	MEDIDA	57
0005	0051	0046	699.4404	1818.5449	1284.9454	0.7066	MEDIDA	76
0005	0051	0047	750.0000	1950.0000	1413.3970	0.7248	MEDIDA	95
0005	0051	0048	750.0000	1950.0000	1627.0811	0.8344	INDICADA	105
0005	0051	0049	750.0000	1950.0000	1717.8855	0.8810	INDICADA	109
0005	0051	0050	750.0000	1950.0000	1536.5458	0.7880	MEDIDA	116
0005	0051	0051	750.0000	1950.0000	1175.6795	0.6029	MEDIDA	111
0005	0051	0052	750.0000	1950.0000	928.6153	0.4762	MEDIDA	100
0005	0051	0053	750.0000	1950.0000	790.5707	0.4054	MEDIDA	87
0005	0051	0054	750.0000	1950.0000	1114.0217	0.5713	MEDIDA	68
0005	0051	0055	750.0000	1950.0000	1235.9497	0.6338	INFERIDA	51

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0051	0056	750.0000	1950.0000	1487.4800	0.7628	INFERIDA	30
0005	0051	0057	750.0000	1950.0000	2600.4888	1.3336	INFERIDA	14
0005	0051	0058	750.0000	1950.0000	3571.0030	1.8313	INFERIDA	5
0005	0052	0042	197.9685	514.7701	537.0845	1.0433	INFERIDA	3
0005	0052	0043	278.0606	722.9575	551.7468	0.7632	INFERIDA	18
0005	0052	0044	369.8561	961.6258	766.0849	0.7967	MEDIDA	36
0005	0052	0045	463.9448	1206.2566	960.6631	0.7964	MEDIDA	56
0005	0052	0046	627.5227	1631.5591	629.0251	0.3855	MEDIDA	81
0005	0052	0047	750.0000	1950.0000	882.3654	0.4525	INDICADA	100
0005	0052	0048	750.0000	1950.0000	1458.2328	0.7478	MEDIDA	118
0005	0052	0049	750.0000	1950.0000	1771.3920	0.9084	MEDIDA	133
0005	0052	0050	750.0000	1950.0000	2980.8926	1.5287	MEDIDA	135
0005	0052	0051	750.0000	1950.0000	3436.7780	1.7625	INDICADA	126
0005	0052	0052	750.0000	1950.0000	3062.9985	1.5708	INDICADA	95
0005	0052	0053	750.0000	1950.0000	2141.7840	1.0984	INDICADA	69
0005	0052	0054	750.0000	1950.0000	1337.7665	0.6860	INDICADA	45
0005	0052	0055	750.0000	1950.0000	1067.9343	0.5477	INDICADA	29
0005	0052	0056	750.0000	1950.0000	1160.2338	0.5950	INDICADA	19
0005	0052	0057	750.0000	1950.0000	1526.5103	0.7828	INFERIDA	11
0005	0052	0058	750.0000	1950.0000	1743.1161	0.8939	INFERIDA	2
0005	0053	0042	137.3069	356.9979	192.6103	0.5395	INFERIDA	3
0005	0053	0043	172.7344	449.1094	231.9586	0.5165	INFERIDA	15
0005	0053	0044	242.7454	631.1381	266.3391	0.4220	INDICADA	26
0005	0053	0045	360.2935	936.7631	395.6374	0.4223	INDICADA	36
0005	0053	0046	471.7877	1226.6480	554.7650	0.4523	INDICADA	60
0005	0053	0047	668.7814	1738.8316	863.7347	0.4967	INDICADA	83
0005	0053	0048	750.0000	1950.0000	1831.6832	0.9393	INDICADA	91
0005	0053	0049	750.0000	1950.0000	3548.2616	1.8196	INDICADA	85
0005	0053	0050	750.0000	1950.0000	4388.0625	2.2503	INDICADA	95
0005	0053	0051	750.0000	1950.0000	5157.1377	2.6447	INDICADA	91
0005	0053	0052	750.0000	1950.0000	5545.3459	2.8438	INDICADA	76
0005	0053	0053	750.0000	1950.0000	4917.5093	2.5218	INDICADA	54
0005	0053	0054	750.0000	1950.0000	2159.6078	1.1075	INFERIDA	30
0005	0053	0055	750.0000	1950.0000	919.5717	0.4716	INFERIDA	19
0005	0053	0056	750.0000	1950.0000	1041.3745	0.5340	INFERIDA	12
0005	0053	0057	750.0000	1950.0000	1321.2762	0.6776	INFERIDA	6
0005	0053	0058	750.0000	1950.0000	409.5000	0.2100	INFERIDA	1
0005	0054	0042	130.2237	338.5817	133.5834	0.3945	INFERIDA	3
0005	0054	0043	139.7252	363.2855	149.9470	0.4128	INDICADA	11
0005	0054	0044	127.8878	332.5082	188.4358	0.5667	MEDIDA	29
0005	0054	0045	247.1520	642.5951	334.0971	0.5199	INDICADA	48
0005	0054	0046	387.2757	1006.9169	665.4238	0.6609	INDICADA	71
0005	0054	0047	523.7654	1361.7900	1064.3784	0.7816	MEDIDA	92
0005	0054	0048	656.3216	1706.4361	1239.7357	0.7265	MEDIDA	92
0005	0054	0049	750.0000	1950.0000	2976.7052	1.5265	MEDIDA	75
0005	0054	0050	750.0000	1950.0000	4941.2423	2.5340	MEDIDA	68

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0005	0054	0051	750.0000	1950.0000	7090.9798	3.6364	INDICADA	67
0005	0054	0052	750.0000	1950.0000	7352.1696	3.7703	INDICADA	53
0005	0054	0053	750.0000	1950.0000	7188.9830	3.6867	INDICADA	38
0005	0054	0054	750.0000	1950.0000	2585.2612	1.3258	INDICADA	19
0005	0054	0055	750.0000	1950.0000	511.9276	0.2625	INFERIDA	14
0005	0054	0056	750.0000	1950.0000	1298.7764	0.6660	INFERIDA	6
0005	0054	0057	750.0000	1950.0000	409.5000	0.2100	INFERIDA	1
0005	0055	0042	218.6619	568.5209	204.6675	0.3600	INFERIDA	1
0005	0055	0043	205.0219	533.0571	1646.9807	3.0897	INFERIDA	13
0005	0055	0044	177.4167	461.2833	1046.5536	2.2688	INDICADA	24
0005	0055	0045	325.2995	845.7787	1675.4400	1.9809	INDICADA	34
0005	0055	0046	453.8545	1180.0217	1662.5059	1.4089	INDICADA	50
0005	0055	0047	553.4178	1438.8864	1521.6221	1.0575	INDICADA	67
0005	0055	0048	626.7810	1629.6307	1001.5522	0.6146	INDICADA	68
0005	0055	0049	659.1503	1713.7908	2532.3431	1.4776	INFERIDA	60
0005	0055	0050	683.1110	1776.0886	3489.0876	1.9645	INFERIDA	58
0005	0055	0051	709.9721	1845.9275	4799.8553	2.6002	INFERIDA	45
0005	0055	0052	677.6534	1761.8988	5765.8444	3.2725	INFERIDA	34
0005	0055	0053	668.6748	1738.5544	9159.0259	5.2682	INFERIDA	11
0005	0055	0054	655.1542	1703.4010	2150.5507	1.2625	INFERIDA	6
0005	0055	0055	655.3586	1703.9324	85.1966	0.0500	INFERIDA	1
0005	0056	0043	263.0954	684.0481	3309.7819	4.8385	INFERIDA	6
0005	0056	0044	258.7510	672.7526	2350.1726	3.4934	INDICADA	15
0005	0056	0045	222.5282	578.5734	1774.4950	3.0670	MEDIDA	25
0005	0056	0046	235.6249	612.6246	1230.2253	2.0081	MEDIDA	23
0005	0056	0047	279.0928	725.6414	966.5932	1.3321	INDICADA	33
0005	0056	0048	357.9739	930.7322	468.0994	0.5029	INFERIDA	39
0005	0056	0049	375.0825	975.2144	546.6363	0.5605	INFERIDA	39
0005	0056	0050	408.0094	1060.8244	381.2493	0.3594	INFERIDA	20
0005	0057	0043	75.0000	195.0000	1471.5147	7.5462	INFERIDA	3
0005	0057	0044	98.0316	254.8821	776.1708	3.0452	INFERIDA	9
0005	0057	0045	146.4477	380.7640	770.5115	2.0236	INFERIDA	15
0005	0057	0046	141.9372	369.0368	621.9575	1.6854	INFERIDA	19
0005	0057	0047	159.0748	413.5946	579.0644	1.4001	INFERIDA	23
0005	0057	0048	110.6923	287.8001	130.3181	0.4528	INFERIDA	19
0005	0057	0049	122.3026	317.9868	197.7616	0.6219	INFERIDA	10
0006	0012	0030	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0006	0012	0031	750.0000	1950.0000	1293.0717	0.6631	INFERIDA	19
0006	0012	0032	750.0000	1950.0000	1112.5563	0.5705	INFERIDA	22
0006	0012	0033	750.0000	1950.0000	1060.7473	0.5440	INFERIDA	22
0006	0012	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0006	0012	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0006	0012	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0006	0013	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0006	0013	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0006	0013	0030	750.0000	1950.0000	991.1078	0.5083	INFERIDA	29

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0013	0031	750.0000	1950.0000	975.6239	0.5003	INFERIDA	32
0006	0013	0032	750.0000	1950.0000	905.3418	0.4643	INDICADA	34
0006	0013	0033	750.0000	1950.0000	803.5515	0.4121	INDICADA	31
0006	0013	0034	750.0000	1950.0000	736.6284	0.3778	INDICADA	25
0006	0013	0035	750.0000	1950.0000	97.5000	0.0500	INDICADA	18
0006	0013	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0006	0013	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0006	0014	0028	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0006	0014	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0006	0014	0030	750.0000	1950.0000	1033.0406	0.5298	INFERIDA	32
0006	0014	0031	750.0000	1950.0000	1238.7202	0.6352	INDICADA	34
0006	0014	0032	750.0000	1950.0000	1081.9335	0.5548	MEDIDA	35
0006	0014	0033	750.0000	1950.0000	413.6186	0.2121	MEDIDA	33
0006	0014	0034	750.0000	1950.0000	355.2266	0.1822	MEDIDA	26
0006	0014	0035	750.0000	1950.0000	106.8053	0.0548	INDICADA	19
0006	0014	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0006	0014	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0006	0015	0029	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0006	0015	0030	750.0000	1950.0000	1065.4816	0.5464	INFERIDA	25
0006	0015	0031	750.0000	1950.0000	972.6410	0.4988	INFERIDA	29
0006	0015	0032	750.0000	1950.0000	892.9024	0.4579	INFERIDA	31
0006	0015	0033	750.0000	1950.0000	829.1710	0.4252	INFERIDA	30
0006	0015	0034	750.0000	1950.0000	844.5007	0.4331	INFERIDA	24
0006	0015	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0006	0015	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0006	0015	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0006	0016	0031	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0006	0016	0032	750.0000	1950.0000	1902.8961	0.9758	INFERIDA	12
0006	0016	0033	750.0000	1950.0000	212.3815	0.1089	INFERIDA	14
0006	0016	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0006	0016	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0006	0017	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0006	0017	0036	750.0000	1950.0000	226.3495	0.1161	INFERIDA	8
0006	0017	0037	750.0000	1950.0000	332.4936	0.1705	INFERIDA	8
0006	0017	0038	750.0000	1950.0000	316.0992	0.1621	INFERIDA	4
0006	0017	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0006	0029	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0006	0029	0040	750.0000	1950.0000	6687.7095	3.4296	INFERIDA	8
0006	0029	0041	750.0000	1950.0000	6319.3118	3.2407	INFERIDA	16
0006	0029	0042	750.0000	1950.0000	5153.9556	2.6431	INFERIDA	21
0006	0029	0043	750.0000	1950.0000	5322.6246	2.7296	INFERIDA	20
0006	0029	0044	750.0000	1950.0000	7048.2094	3.6145	INFERIDA	14
0006	0029	0045	750.0000	1950.0000	710.5964	0.3644	INFERIDA	5
0006	0030	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0006	0030	0040	750.0000	1950.0000	6181.8841	3.1702	INDICADA	13
0006	0030	0041	750.0000	1950.0000	5321.7198	2.7291	MEDIDA	21

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0030	0042	750.0000	1950.0000	5915.7666	3.0337	MEDIDA	21
0006	0030	0043	750.0000	1950.0000	5444.1580	2.7919	INDICADA	21
0006	0030	0044	750.0000	1950.0000	5194.6426	2.6639	INDICADA	18
0006	0030	0045	750.0000	1950.0000	2280.0767	1.1693	INFERIDA	11
0006	0030	0046	750.0000	1950.0000	643.5000	0.3300	INFERIDA	1
0006	0031	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0006	0031	0040	750.0000	1950.0000	6181.8841	3.1702	INDICADA	13
0006	0031	0041	750.0000	1950.0000	5321.7198	2.7291	MEDIDA	21
0006	0031	0042	750.0000	1950.0000	5915.7666	3.0337	MEDIDA	21
0006	0031	0043	750.0000	1950.0000	5444.1580	2.7919	INDICADA	21
0006	0031	0044	750.0000	1950.0000	5194.6426	2.6639	INDICADA	18
0006	0031	0045	750.0000	1950.0000	2280.0767	1.1693	INFERIDA	11
0006	0031	0046	750.0000	1950.0000	643.5000	0.3300	INFERIDA	1
0006	0032	0038	750.0000	1950.0000	213.5059	0.1095	INFERIDA	9
0006	0032	0039	750.0000	1950.0000	707.0016	0.3626	INFERIDA	18
0006	0032	0040	750.0000	1950.0000	2769.0958	1.4200	INFERIDA	31
0006	0032	0041	750.0000	1950.0000	3773.4835	1.9351	INFERIDA	39
0006	0032	0042	750.0000	1950.0000	4161.5524	2.1341	INFERIDA	36
0006	0032	0043	750.0000	1950.0000	4872.1631	2.4985	INFERIDA	25
0006	0032	0044	750.0000	1950.0000	5577.0533	2.8600	INFERIDA	21
0006	0032	0045	750.0000	1950.0000	543.9789	0.2790	INFERIDA	8
0006	0033	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0006	0033	0038	750.0000	1950.0000	654.1169	0.3354	INDICADA	17
0006	0033	0039	750.0000	1950.0000	850.3094	0.4361	INDICADA	24
0006	0033	0040	750.0000	1950.0000	1077.7086	0.5527	INDICADA	31
0006	0033	0041	750.0000	1950.0000	1303.2295	0.6683	INDICADA	40
0006	0033	0042	750.0000	1950.0000	1448.1245	0.7426	INFERIDA	42
0006	0033	0043	750.0000	1950.0000	1393.3865	0.7146	INFERIDA	35
0006	0033	0044	750.0000	1950.0000	991.2237	0.5083	INFERIDA	11
0006	0033	0045	750.0000	1950.0000	455.0503	0.2334	INFERIDA	10
0006	0033	0046	750.0000	1950.0000	513.9433	0.2636	INFERIDA	5
0006	0034	0037	750.0000	1950.0000	277.6848	0.1424	INFERIDA	10
0006	0034	0038	750.0000	1950.0000	593.0881	0.3041	INDICADA	18
0006	0034	0039	750.0000	1950.0000	515.1780	0.2642	MEDIDA	25
0006	0034	0040	750.0000	1950.0000	908.9866	0.4661	MEDIDA	34
0006	0034	0041	750.0000	1950.0000	1275.2279	0.6540	INDICADA	42
0006	0034	0042	750.0000	1950.0000	1497.1930	0.7678	INFERIDA	50
0006	0034	0043	750.0000	1950.0000	1434.7237	0.7358	INDICADA	50
0006	0034	0044	750.0000	1950.0000	1204.8427	0.6179	INDICADA	24
0006	0034	0045	750.0000	1950.0000	875.4366	0.4489	INDICADA	17
0006	0034	0046	750.0000	1950.0000	446.0403	0.2287	INFERIDA	9
0006	0034	0047	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0006	0035	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0006	0035	0038	750.0000	1950.0000	734.6264	0.3767	INFERIDA	15
0006	0035	0039	750.0000	1950.0000	888.1046	0.4554	INFERIDA	22
0006	0035	0040	750.0000	1950.0000	1131.5547	0.5803	INFERIDA	30

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0035	0041	750.0000	1950.0000	1764.6776	0.9050	INFERIDA	42
0006	0035	0042	750.0000	1950.0000	1898.8770	0.9738	INFERIDA	46
0006	0035	0043	750.0000	1950.0000	1758.1643	0.9016	INFERIDA	42
0006	0035	0044	750.0000	1950.0000	1679.6528	0.8614	INFERIDA	25
0006	0035	0045	750.0000	1950.0000	1426.8023	0.7317	INFERIDA	23
0006	0035	0046	750.0000	1950.0000	574.9850	0.2949	INFERIDA	10
0006	0035	0047	750.0000	1950.0000	179.0501	0.0918	INFERIDA	3
0006	0036	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0006	0036	0039	750.0000	1950.0000	352.2834	0.1807	INFERIDA	11
0006	0036	0040	750.0000	1950.0000	910.5733	0.4670	INFERIDA	14
0006	0036	0041	750.0000	1950.0000	3747.7948	1.9219	INFERIDA	12
0006	0036	0042	750.0000	1950.0000	2938.5997	1.5070	INFERIDA	9
0006	0036	0043	750.0000	1950.0000	2255.2837	1.1566	INFERIDA	19
0006	0036	0044	750.0000	1950.0000	1809.3195	0.9279	INFERIDA	25
0006	0036	0045	750.0000	1950.0000	1661.6106	0.8521	INFERIDA	26
0006	0036	0046	750.0000	1950.0000	720.8525	0.3697	INFERIDA	20
0006	0036	0047	750.0000	1950.0000	689.7072	0.3537	INFERIDA	16
0006	0036	0048	750.0000	1950.0000	414.9420	0.2128	INFERIDA	7
0006	0036	0049	750.0000	1950.0000	659.3931	0.3382	INFERIDA	2
0006	0037	0042	750.0000	1950.0000	3544.1671	1.8175	INFERIDA	6
0006	0037	0043	750.0000	1950.0000	1482.3149	0.7602	INFERIDA	22
0006	0037	0044	750.0000	1950.0000	1995.7982	1.0235	INFERIDA	52
0006	0037	0045	750.0000	1950.0000	1647.4048	0.8448	INFERIDA	61
0006	0037	0046	750.0000	1950.0000	1433.7597	0.7353	INFERIDA	61
0006	0037	0047	750.0000	1950.0000	558.6362	0.2865	INFERIDA	36
0006	0037	0048	750.0000	1950.0000	533.7022	0.2737	INFERIDA	10
0006	0037	0049	750.0000	1950.0000	381.3107	0.1955	INFERIDA	5
0006	0038	0042	750.0000	1950.0000	1510.4043	0.7746	INFERIDA	5
0006	0038	0043	750.0000	1950.0000	2180.6843	1.1183	INDICADA	40
0006	0038	0044	750.0000	1950.0000	1926.1506	0.9878	INDICADA	59
0006	0038	0045	750.0000	1950.0000	1683.7577	0.8635	INDICADA	74
0006	0038	0046	750.0000	1950.0000	1513.8346	0.7763	INDICADA	83
0006	0038	0047	750.0000	1950.0000	1451.0875	0.7441	INFERIDA	73
0006	0038	0048	750.0000	1950.0000	177.5254	0.0910	INFERIDA	53
0006	0038	0049	750.0000	1950.0000	174.4373	0.0895	INFERIDA	17
0006	0039	0042	750.0000	1950.0000	1027.4418	0.5269	INFERIDA	20
0006	0039	0043	750.0000	1950.0000	1841.3042	0.9443	INDICADA	56
0006	0039	0044	750.0000	1950.0000	1703.9281	0.8738	MEDIDA	74
0006	0039	0045	750.0000	1950.0000	1205.3851	0.6181	MEDIDA	91
0006	0039	0046	750.0000	1950.0000	934.6301	0.4793	MEDIDA	97
0006	0039	0047	750.0000	1950.0000	1247.2426	0.6396	INDICADA	90
0006	0039	0048	750.0000	1950.0000	420.3554	0.2156	INFERIDA	76
0006	0039	0049	750.0000	1950.0000	106.6799	0.0547	INFERIDA	39
0006	0039	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0006	0039	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0006	0040	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0040	0042	750.0000	1950.0000	625.1525	0.3206	INFERIDA	22
0006	0040	0043	750.0000	1950.0000	1087.6185	0.5578	INFERIDA	61
0006	0040	0044	750.0000	1950.0000	2195.8939	1.1261	INDICADA	86
0006	0040	0045	750.0000	1950.0000	2349.2885	1.2048	INDICADA	105
0006	0040	0046	750.0000	1950.0000	2261.2181	1.1596	MEDIDA	109
0006	0040	0047	750.0000	1950.0000	1802.8383	0.9245	MEDIDA	91
0006	0040	0048	750.0000	1950.0000	882.6968	0.4527	MEDIDA	63
0006	0040	0049	750.0000	1950.0000	407.4121	0.2089	MEDIDA	21
0006	0040	0050	750.0000	1950.0000	97.5000	0.0500	MEDIDA	14
0006	0040	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0006	0040	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0006	0041	0040	750.0000	1950.0000	755.4629	0.3874	INFERIDA	4
0006	0041	0041	750.0000	1950.0000	375.2716	0.1924	INFERIDA	15
0006	0041	0042	750.0000	1950.0000	338.5053	0.1736	INFERIDA	30
0006	0041	0043	750.0000	1950.0000	754.6276	0.3870	INFERIDA	47
0006	0041	0044	750.0000	1950.0000	1490.0695	0.7641	INDICADA	68
0006	0041	0045	750.0000	1950.0000	1877.9363	0.9630	INDICADA	91
0006	0041	0046	750.0000	1950.0000	1955.7682	1.0030	INDICADA	83
0006	0041	0047	750.0000	1950.0000	1708.7357	0.8763	INDICADA	54
0006	0041	0048	750.0000	1950.0000	1072.0667	0.5498	INDICADA	31
0006	0041	0049	750.0000	1950.0000	455.9887	0.2338	INDICADA	21
0006	0041	0050	750.0000	1950.0000	97.5000	0.0500	INDICADA	14
0006	0041	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0006	0041	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0006	0042	0040	750.0000	1950.0000	623.7768	0.3199	INFERIDA	7
0006	0042	0041	750.0000	1950.0000	407.9396	0.2092	INFERIDA	15
0006	0042	0042	750.0000	1950.0000	289.0878	0.1483	INDICADA	26
0006	0042	0043	750.0000	1950.0000	230.0661	0.1180	MEDIDA	44
0006	0042	0044	750.0000	1950.0000	163.6909	0.0839	MEDIDA	70
0006	0042	0045	750.0000	1950.0000	270.6234	0.1388	MEDIDA	79
0006	0042	0046	750.0000	1950.0000	471.1114	0.2416	INDICADA	81
0006	0042	0047	750.0000	1950.0000	709.1767	0.3637	INDICADA	74
0006	0042	0048	750.0000	1950.0000	809.4322	0.4151	INFERIDA	50
0006	0042	0049	750.0000	1950.0000	299.1268	0.1534	INFERIDA	28
0006	0042	0050	750.0000	1950.0000	181.7433	0.0932	INFERIDA	16
0006	0042	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0006	0043	0040	750.0000	1950.0000	736.9456	0.3779	INFERIDA	5
0006	0043	0041	750.0000	1950.0000	430.7713	0.2209	INFERIDA	14
0006	0043	0042	750.0000	1950.0000	314.9670	0.1615	INFERIDA	21
0006	0043	0043	750.0000	1950.0000	227.5263	0.1167	INDICADA	40
0006	0043	0044	750.0000	1950.0000	264.6199	0.1357	INDICADA	56
0006	0043	0045	750.0000	1950.0000	249.0587	0.1277	INDICADA	61
0006	0043	0046	750.0000	1950.0000	342.4379	0.1756	INDICADA	63
0006	0043	0047	750.0000	1950.0000	388.1576	0.1991	INDICADA	51
0006	0043	0048	750.0000	1950.0000	502.9379	0.2579	INDICADA	30
0006	0043	0049	750.0000	1950.0000	591.2810	0.3032	INDICADA	18

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0043	0050	750.0000	1950.0000	716.2993	0.3673	INFERIDA	11
0006	0043	0051	750.0000	1950.0000	452.8429	0.2322	INFERIDA	5
0006	0044	0041	750.0000	1950.0000	754.0968	0.3867	INFERIDA	4
0006	0044	0042	750.0000	1950.0000	428.4235	0.2197	INFERIDA	16
0006	0044	0043	750.0000	1950.0000	178.0236	0.0913	INFERIDA	31
0006	0044	0044	750.0000	1950.0000	170.9107	0.0876	INFERIDA	40
0006	0044	0045	750.0000	1950.0000	325.1833	0.1668	INDICADA	51
0006	0044	0046	750.0000	1950.0000	348.2935	0.1786	MEDIDA	62
0006	0044	0047	750.0000	1950.0000	447.6020	0.2295	MEDIDA	59
0006	0044	0048	750.0000	1950.0000	733.8070	0.3763	MEDIDA	52
0006	0044	0049	750.0000	1950.0000	694.1931	0.3560	INDICADA	47
0006	0044	0050	750.0000	1950.0000	736.5878	0.3777	INFERIDA	41
0006	0044	0051	750.0000	1950.0000	459.1483	0.2355	INFERIDA	26
0006	0044	0052	750.0000	1950.0000	564.5653	0.2895	INFERIDA	13
0006	0044	0053	750.0000	1950.0000	490.9495	0.2518	INFERIDA	6
0006	0045	0043	750.0000	1950.0000	176.7920	0.0907	INFERIDA	8
0006	0045	0044	750.0000	1950.0000	354.8792	0.1820	INFERIDA	18
0006	0045	0045	750.0000	1950.0000	829.7367	0.4255	INFERIDA	35
0006	0045	0046	750.0000	1950.0000	1126.2025	0.5775	INFERIDA	48
0006	0045	0047	750.0000	1950.0000	1080.0592	0.5539	INDICADA	56
0006	0045	0048	750.0000	1950.0000	1077.4142	0.5525	MEDIDA	56
0006	0045	0049	750.0000	1950.0000	912.5074	0.4680	MEDIDA	62
0006	0045	0050	750.0000	1950.0000	795.2586	0.4078	MEDIDA	53
0006	0045	0051	750.0000	1950.0000	715.2619	0.3668	INDICADA	34
0006	0045	0052	750.0000	1950.0000	565.9219	0.2902	INDICADA	17
0006	0045	0053	750.0000	1950.0000	542.1431	0.2780	INFERIDA	10
0006	0045	0054	750.0000	1950.0000	204.1596	0.1047	INFERIDA	2
0006	0046	0033	525.0000	1365.0000	68.2500	0.0500	INFERIDA	15
0006	0046	0034	525.0000	1365.0000	68.2500	0.0500	INFERIDA	20
0006	0046	0035	525.0000	1365.0000	68.2500	0.0500	INFERIDA	24
0006	0046	0036	608.5327	1582.1851	79.1093	0.0500	INFERIDA	22
0006	0046	0044	750.0000	1950.0000	2749.5000	1.4100	INFERIDA	1
0006	0046	0045	750.0000	1950.0000	1599.4904	0.8203	INFERIDA	15
0006	0046	0046	750.0000	1950.0000	1229.0480	0.6303	INFERIDA	51
0006	0046	0047	750.0000	1950.0000	1289.6015	0.6613	INDICADA	69
0006	0046	0048	750.0000	1950.0000	1181.7916	0.6060	INDICADA	82
0006	0046	0049	750.0000	1950.0000	1064.9403	0.5461	INDICADA	80
0006	0046	0050	750.0000	1950.0000	1010.8559	0.5184	INDICADA	66
0006	0046	0051	750.0000	1950.0000	849.4638	0.4356	INDICADA	55
0006	0046	0052	750.0000	1950.0000	672.1214	0.3447	INFERIDA	43
0006	0046	0053	750.0000	1950.0000	320.9175	0.1646	INFERIDA	30
0006	0046	0054	750.0000	1950.0000	201.0515	0.1031	INFERIDA	27
0006	0046	0055	750.0000	1950.0000	263.9570	0.1354	INFERIDA	12
0006	0046	0056	750.0000	1950.0000	176.3972	0.0905	INFERIDA	8
0006	0046	0057	750.0000	1950.0000	176.9337	0.0907	INFERIDA	4
0006	0047	0036	675.0000	1755.0000	87.7500	0.0500	INFERIDA	30

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

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NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0047	0037	695.2741	1807.7128	90.3856	0.0500	INFERIDA	21
0006	0047	0043	750.0000	1950.0000	1180.2703	0.6053	INFERIDA	2
0006	0047	0044	750.0000	1950.0000	458.5632	0.2352	INFERIDA	9
0006	0047	0045	750.0000	1950.0000	620.9736	0.3184	INFERIDA	30
0006	0047	0046	750.0000	1950.0000	1253.5111	0.6428	INFERIDA	59
0006	0047	0047	750.0000	1950.0000	1578.5412	0.8095	INDICADA	77
0006	0047	0048	750.0000	1950.0000	1764.5451	0.9049	INDICADA	89
0006	0047	0049	750.0000	1950.0000	1610.5790	0.8259	MEDIDA	92
0006	0047	0050	750.0000	1950.0000	1258.9253	0.6456	MEDIDA	83
0006	0047	0051	750.0000	1950.0000	1367.9656	0.7015	MEDIDA	70
0006	0047	0052	750.0000	1950.0000	918.6002	0.4711	INDICADA	56
0006	0047	0053	750.0000	1950.0000	714.9405	0.3666	INFERIDA	54
0006	0047	0054	750.0000	1950.0000	537.7419	0.2758	INFERIDA	51
0006	0047	0055	750.0000	1950.0000	261.8564	0.1343	INFERIDA	38
0006	0047	0056	750.0000	1950.0000	220.5884	0.1131	INDICADA	17
0006	0047	0057	750.0000	1950.0000	175.7686	0.0901	INFERIDA	8
0006	0047	0058	750.0000	1950.0000	252.2338	0.1294	INFERIDA	2
0006	0048	0042	750.0000	1950.0000	1185.8162	0.6081	INFERIDA	2
0006	0048	0043	750.0000	1950.0000	529.8495	0.2717	INFERIDA	8
0006	0048	0044	750.0000	1950.0000	683.0686	0.3503	INFERIDA	15
0006	0048	0045	750.0000	1950.0000	1015.2992	0.5207	INDICADA	29
0006	0048	0046	750.0000	1950.0000	1674.3353	0.8586	INDICADA	52
0006	0048	0047	750.0000	1950.0000	1949.1178	0.9995	INDICADA	66
0006	0048	0048	750.0000	1950.0000	1995.0829	1.0231	INDICADA	77
0006	0048	0049	750.0000	1950.0000	1871.8912	0.9599	INDICADA	82
0006	0048	0050	750.0000	1950.0000	1538.8251	0.7891	INDICADA	67
0006	0048	0051	750.0000	1950.0000	893.6366	0.4583	INDICADA	60
0006	0048	0052	750.0000	1950.0000	915.1633	0.4693	INFERIDA	70
0006	0048	0053	750.0000	1950.0000	844.4404	0.4330	INFERIDA	82
0006	0048	0054	750.0000	1950.0000	701.0826	0.3595	INFERIDA	75
0006	0048	0055	750.0000	1950.0000	840.8030	0.4312	INDICADA	54
0006	0048	0056	750.0000	1950.0000	494.2021	0.2534	INDICADA	33
0006	0048	0057	750.0000	1950.0000	202.0902	0.1036	INFERIDA	14
0006	0048	0058	750.0000	1950.0000	390.0000	0.2000	INFERIDA	1
0006	0049	0042	750.0000	1950.0000	1048.6062	0.5377	INFERIDA	3
0006	0049	0043	750.0000	1950.0000	567.7442	0.2912	INFERIDA	13
0006	0049	0044	750.0000	1950.0000	784.9870	0.4026	INDICADA	27
0006	0049	0045	750.0000	1950.0000	1103.7359	0.5660	INDICADA	43
0006	0049	0046	750.0000	1950.0000	1697.6288	0.8706	MEDIDA	65
0006	0049	0047	750.0000	1950.0000	2631.1509	1.3493	MEDIDA	95
0006	0049	0048	750.0000	1950.0000	3640.3925	1.8669	MEDIDA	102
0006	0049	0049	750.0000	1950.0000	2359.8139	1.2102	MEDIDA	100
0006	0049	0050	750.0000	1950.0000	1316.4463	0.6751	INDICADA	94
0006	0049	0051	750.0000	1950.0000	496.0340	0.2544	INDICADA	87
0006	0049	0052	750.0000	1950.0000	723.6408	0.3711	INDICADA	95
0006	0049	0053	750.0000	1950.0000	830.9822	0.4261	INFERIDA	81

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0049	0054	750.0000	1950.0000	989.3979	0.5074	INDICADA	54
0006	0049	0055	750.0000	1950.0000	921.0869	0.4724	INDICADA	46
0006	0049	0056	750.0000	1950.0000	546.5315	0.2803	INDICADA	30
0006	0049	0057	750.0000	1950.0000	239.8971	0.1230	INFERIDA	12
0006	0049	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0006	0050	0042	750.0000	1950.0000	1428.2520	0.7324	INFERIDA	3
0006	0050	0043	750.0000	1950.0000	1280.7444	0.6568	INFERIDA	15
0006	0050	0044	750.0000	1950.0000	1450.0401	0.7436	INDICADA	34
0006	0050	0045	750.0000	1950.0000	1354.4442	0.6946	INDICADA	58
0006	0050	0046	750.0000	1950.0000	1381.5250	0.7085	INDICADA	77
0006	0050	0047	750.0000	1950.0000	1199.6641	0.6152	INDICADA	90
0006	0050	0048	750.0000	1950.0000	1286.1619	0.6596	INDICADA	107
0006	0050	0049	750.0000	1950.0000	1173.3243	0.6017	INDICADA	111
0006	0050	0050	750.0000	1950.0000	955.7827	0.4901	INDICADA	104
0006	0050	0051	750.0000	1950.0000	540.3416	0.2771	INDICADA	92
0006	0050	0052	750.0000	1950.0000	322.5447	0.1654	INDICADA	82
0006	0050	0053	750.0000	1950.0000	486.6256	0.2496	INDICADA	69
0006	0050	0054	750.0000	1950.0000	612.4321	0.3141	INDICADA	56
0006	0050	0055	750.0000	1950.0000	926.5211	0.4751	INFERIDA	34
0006	0050	0056	750.0000	1950.0000	474.7770	0.2435	INFERIDA	12
0006	0050	0057	750.0000	1950.0000	229.1495	0.1175	INFERIDA	5
0006	0051	0042	750.0000	1950.0000	1885.2942	0.9668	INFERIDA	3
0006	0051	0043	750.0000	1950.0000	1563.7279	0.8019	INFERIDA	14
0006	0051	0044	750.0000	1950.0000	1482.6401	0.7603	INDICADA	34
0006	0051	0045	750.0000	1950.0000	1143.8724	0.5866	INDICADA	56
0006	0051	0046	750.0000	1950.0000	813.3465	0.4171	MEDIDA	77
0006	0051	0047	750.0000	1950.0000	584.4502	0.2997	MEDIDA	95
0006	0051	0048	750.0000	1950.0000	575.9613	0.2954	MEDIDA	110
0006	0051	0049	750.0000	1950.0000	645.8025	0.3312	MEDIDA	119
0006	0051	0050	750.0000	1950.0000	713.7714	0.3660	INDICADA	117
0006	0051	0051	750.0000	1950.0000	674.1403	0.3457	INDICADA	100
0006	0051	0052	750.0000	1950.0000	293.5916	0.1506	INDICADA	73
0006	0051	0053	750.0000	1950.0000	225.6384	0.1157	INDICADA	51
0006	0051	0054	750.0000	1950.0000	191.9636	0.0984	INDICADA	34
0006	0051	0055	750.0000	1950.0000	259.1139	0.1329	INFERIDA	23
0006	0051	0056	750.0000	1950.0000	419.8055	0.2153	INFERIDA	7
0006	0052	0042	750.0000	1950.0000	1404.0000	0.7200	INFERIDA	1
0006	0052	0043	750.0000	1950.0000	1463.2774	0.7504	INFERIDA	16
0006	0052	0044	750.0000	1950.0000	1072.2919	0.5499	INDICADA	38
0006	0052	0045	750.0000	1950.0000	785.6060	0.4029	INDICADA	60
0006	0052	0046	750.0000	1950.0000	562.8341	0.2886	MEDIDA	83
0006	0052	0047	750.0000	1950.0000	345.8146	0.1773	MEDIDA	104
0006	0052	0048	750.0000	1950.0000	180.3853	0.0925	MEDIDA	118
0006	0052	0049	750.0000	1950.0000	384.8966	0.1974	MEDIDA	127
0006	0052	0050	750.0000	1950.0000	602.6477	0.3091	MEDIDA	121
0006	0052	0051	750.0000	1950.0000	889.2469	0.4560	INDICADA	113

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0052	0052	750.0000	1950.0000	821.5169	0.4213	INDICADA	90
0006	0052	0053	750.0000	1950.0000	523.3929	0.2684	INDICADA	63
0006	0052	0054	750.0000	1950.0000	358.1102	0.1836	INFERIDA	38
0006	0052	0055	750.0000	1950.0000	580.0316	0.2975	INFERIDA	21
0006	0052	0056	750.0000	1950.0000	1174.8700	0.6025	INFERIDA	7
0006	0052	0057	750.0000	1950.0000	1786.8137	0.9163	INFERIDA	2
0006	0053	0042	750.0000	1950.0000	903.9420	0.4636	INFERIDA	2
0006	0053	0043	750.0000	1950.0000	854.2705	0.4381	INFERIDA	16
0006	0053	0044	750.0000	1950.0000	763.4960	0.3915	INDICADA	28
0006	0053	0045	750.0000	1950.0000	643.2358	0.3299	INDICADA	40
0006	0053	0046	750.0000	1950.0000	656.2825	0.3366	INDICADA	62
0006	0053	0047	750.0000	1950.0000	732.3054	0.3755	INDICADA	87
0006	0053	0048	750.0000	1950.0000	715.8619	0.3671	INDICADA	100
0006	0053	0049	750.0000	1950.0000	1598.9427	0.8200	INDICADA	110
0006	0053	0050	750.0000	1950.0000	2058.0615	1.0554	INDICADA	113
0006	0053	0051	750.0000	1950.0000	2553.5204	1.3095	INDICADA	92
0006	0053	0052	750.0000	1950.0000	2996.2754	1.5366	INFERIDA	70
0006	0053	0053	750.0000	1950.0000	1427.4286	0.7320	INFERIDA	50
0006	0053	0054	750.0000	1950.0000	849.2990	0.4355	INFERIDA	27
0006	0053	0055	750.0000	1950.0000	758.6502	0.3891	INFERIDA	14
0006	0053	0056	750.0000	1950.0000	1447.0688	0.7421	INFERIDA	5
0006	0054	0042	750.0000	1950.0000	786.1348	0.4031	INFERIDA	4
0006	0054	0043	750.0000	1950.0000	535.5589	0.2746	INFERIDA	11
0006	0054	0044	750.0000	1950.0000	860.8165	0.4414	INDICADA	31
0006	0054	0045	750.0000	1950.0000	570.5957	0.2926	MEDIDA	50
0006	0054	0046	750.0000	1950.0000	782.8580	0.4015	MEDIDA	76
0006	0054	0047	750.0000	1950.0000	881.3302	0.4520	INDICADA	101
0006	0054	0048	750.0000	1950.0000	1014.3807	0.5202	INDICADA	112
0006	0054	0049	750.0000	1950.0000	1111.9574	0.5702	MEDIDA	115
0006	0054	0050	750.0000	1950.0000	577.2612	0.2960	MEDIDA	102
0006	0054	0051	750.0000	1950.0000	1252.5491	0.6423	MEDIDA	76
0006	0054	0052	750.0000	1950.0000	2163.9944	1.1097	INDICADA	50
0006	0054	0053	750.0000	1950.0000	1662.7412	0.8527	INFERIDA	32
0006	0054	0054	750.0000	1950.0000	1174.4427	0.6023	INFERIDA	12
0006	0055	0042	750.0000	1950.0000	702.0000	0.3600	INFERIDA	1
0006	0055	0043	750.0000	1950.0000	4819.0264	2.4713	INFERIDA	14
0006	0055	0044	750.0000	1950.0000	2890.0410	1.4821	INFERIDA	28
0006	0055	0045	750.0000	1950.0000	2211.6836	1.1342	INDICADA	41
0006	0055	0046	750.0000	1950.0000	1643.7465	0.8429	INDICADA	58
0006	0055	0047	750.0000	1950.0000	1407.9339	0.7220	INDICADA	76
0006	0055	0048	750.0000	1950.0000	863.4062	0.4428	INDICADA	85
0006	0055	0049	750.0000	1950.0000	961.7297	0.4932	INDICADA	91
0006	0055	0050	750.0000	1950.0000	1679.1010	0.8611	INDICADA	79
0006	0055	0051	750.0000	1950.0000	2315.8695	1.1876	INFERIDA	54
0006	0055	0052	750.0000	1950.0000	2764.3364	1.4176	INFERIDA	35
0006	0055	0053	750.0000	1950.0000	941.6292	0.4829	INFERIDA	18

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0006	0055	0054	750.0000	1950.0000	450.2935	0.2309	INFERIDA	5
0006	0056	0043	750.0000	1950.0000	8468.7853	4.3430	INFERIDA	6
0006	0056	0044	750.0000	1950.0000	3964.0393	2.0328	INFERIDA	19
0006	0056	0045	750.0000	1950.0000	2669.0467	1.3687	INDICADA	32
0006	0056	0046	750.0000	1950.0000	1681.8913	0.8625	MEDIDA	38
0006	0056	0047	750.0000	1950.0000	1387.8214	0.7117	MEDIDA	40
0006	0056	0048	750.0000	1950.0000	922.6493	0.4732	MEDIDA	43
0006	0056	0049	750.0000	1950.0000	894.9930	0.4590	INDICADA	44
0006	0056	0050	750.0000	1950.0000	707.7053	0.3629	INFERIDA	39
0006	0056	0051	750.0000	1950.0000	394.7761	0.2024	INFERIDA	28
0006	0056	0052	750.0000	1950.0000	225.8184	0.1158	INFERIDA	13
0006	0057	0043	750.0000	1950.0000	20146.1947	10.3314	INFERIDA	2
0006	0057	0044	750.0000	1950.0000	4983.4083	2.5556	INFERIDA	10
0006	0057	0045	750.0000	1950.0000	3168.9397	1.6251	INFERIDA	17
0006	0057	0046	750.0000	1950.0000	2501.6220	1.2829	INFERIDA	23
0006	0057	0047	750.0000	1950.0000	1924.2566	0.9868	INFERIDA	28
0006	0057	0048	750.0000	1950.0000	830.0655	0.4257	INFERIDA	26
0006	0057	0049	750.0000	1950.0000	845.8333	0.4338	INFERIDA	23
0006	0057	0050	750.0000	1950.0000	520.3922	0.2669	INFERIDA	19
0006	0057	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0007	0012	0032	750.0000	1950.0000	576.4011	0.2956	INFERIDA	12
0007	0012	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0007	0012	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0007	0012	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0007	0012	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0007	0013	0030	750.0000	1950.0000	226.8266	0.1163	INFERIDA	10
0007	0013	0031	750.0000	1950.0000	1084.7297	0.5563	INFERIDA	23
0007	0013	0032	750.0000	1950.0000	763.1574	0.3914	INFERIDA	29
0007	0013	0033	750.0000	1950.0000	652.7203	0.3347	INFERIDA	26
0007	0013	0034	750.0000	1950.0000	243.6482	0.1249	INDICADA	22
0007	0013	0035	750.0000	1950.0000	97.5000	0.0500	INDICADA	15
0007	0013	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0007	0013	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0007	0014	0030	750.0000	1950.0000	1545.2572	0.7924	INFERIDA	18
0007	0014	0031	750.0000	1950.0000	997.1678	0.5114	INFERIDA	26
0007	0014	0032	750.0000	1950.0000	647.9790	0.3323	INFERIDA	31
0007	0014	0033	750.0000	1950.0000	427.1738	0.2191	INDICADA	28
0007	0014	0034	750.0000	1950.0000	247.0691	0.1267	MEDIDA	23
0007	0014	0035	750.0000	1950.0000	97.5000	0.0500	MEDIDA	16
0007	0014	0036	750.0000	1950.0000	97.5000	0.0500	INDICADA	11
0007	0014	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0007	0015	0031	750.0000	1950.0000	1272.0468	0.6523	INFERIDA	19
0007	0015	0032	750.0000	1950.0000	889.6435	0.4562	INFERIDA	25
0007	0015	0033	750.0000	1950.0000	753.4382	0.3864	INFERIDA	25
0007	0015	0034	750.0000	1950.0000	114.4131	0.0587	INFERIDA	19
0007	0015	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0007	0015	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0007	0015	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0016	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0016	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0007	0016	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0007	0029	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0007	0029	0041	750.0000	1950.0000	8039.3719	4.1228	INFERIDA	9
0007	0029	0042	750.0000	1950.0000	6114.3180	3.1355	INFERIDA	17
0007	0029	0043	750.0000	1950.0000	7045.1210	3.6129	INFERIDA	15
0007	0029	0044	750.0000	1950.0000	632.7189	0.3245	INFERIDA	7
0007	0030	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0030	0040	750.0000	1950.0000	7304.7755	3.7460	INFERIDA	9
0007	0030	0041	750.0000	1950.0000	6368.6286	3.2660	INFERIDA	16
0007	0030	0042	750.0000	1950.0000	5430.8868	2.7851	INFERIDA	21
0007	0030	0043	750.0000	1950.0000	5348.5226	2.7428	INFERIDA	21
0007	0030	0044	750.0000	1950.0000	7104.2064	3.6432	INFERIDA	14
0007	0030	0045	750.0000	1950.0000	712.1426	0.3652	INFERIDA	5
0007	0031	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0031	0040	750.0000	1950.0000	7304.7755	3.7460	INFERIDA	9
0007	0031	0041	750.0000	1950.0000	6368.6286	3.2660	INFERIDA	16
0007	0031	0042	750.0000	1950.0000	5430.8868	2.7851	INFERIDA	21
0007	0031	0043	750.0000	1950.0000	5348.5226	2.7428	INFERIDA	21
0007	0031	0044	750.0000	1950.0000	7104.2064	3.6432	INFERIDA	14
0007	0031	0045	750.0000	1950.0000	712.1426	0.3652	INFERIDA	5
0007	0032	0039	750.0000	1950.0000	1163.2710	0.5965	INFERIDA	18
0007	0032	0040	750.0000	1950.0000	1226.8886	0.6292	INFERIDA	28
0007	0032	0041	750.0000	1950.0000	3229.8754	1.6563	INFERIDA	38
0007	0032	0042	750.0000	1950.0000	3373.4779	1.7300	INFERIDA	43
0007	0032	0043	750.0000	1950.0000	4101.0716	2.1031	INFERIDA	34
0007	0032	0044	750.0000	1950.0000	632.7189	0.3245	INFERIDA	7
0007	0033	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0007	0033	0038	750.0000	1950.0000	1145.3827	0.5874	INFERIDA	18
0007	0033	0039	750.0000	1950.0000	1040.9433	0.5338	INFERIDA	28
0007	0033	0040	750.0000	1950.0000	1373.5990	0.7044	INDICADA	37
0007	0033	0041	750.0000	1950.0000	1374.8484	0.7051	INDICADA	41
0007	0033	0042	750.0000	1950.0000	1461.0764	0.7493	INDICADA	41
0007	0033	0043	750.0000	1950.0000	1311.7455	0.6727	INFERIDA	38
0007	0033	0044	750.0000	1950.0000	1054.0692	0.5405	INFERIDA	34
0007	0033	0045	750.0000	1950.0000	148.6097	0.0762	INFERIDA	11
0007	0034	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0007	0034	0038	750.0000	1950.0000	1090.3339	0.5591	INFERIDA	20
0007	0034	0039	750.0000	1950.0000	1316.4721	0.6751	INDICADA	30
0007	0034	0040	750.0000	1950.0000	1475.6197	0.7567	MEDIDA	38
0007	0034	0041	750.0000	1950.0000	1146.4249	0.5879	MEDIDA	43
0007	0034	0042	750.0000	1950.0000	1520.5732	0.7798	MEDIDA	45
0007	0034	0043	750.0000	1950.0000	1391.0377	0.7134	INDICADA	47

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0007	0034	0044	750.0000	1950.0000	1197.5844	0.6141	INFERIDA	40
0007	0034	0045	750.0000	1950.0000	262.5138	0.1346	INFERIDA	19
0007	0034	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0007	0035	0038	750.0000	1950.0000	845.7167	0.4337	INFERIDA	16
0007	0035	0039	750.0000	1950.0000	1035.6714	0.5311	INFERIDA	25
0007	0035	0040	750.0000	1950.0000	1361.7812	0.6983	INFERIDA	36
0007	0035	0041	750.0000	1950.0000	1377.4707	0.7064	INFERIDA	38
0007	0035	0042	750.0000	1950.0000	1445.5969	0.7413	INFERIDA	40
0007	0035	0043	750.0000	1950.0000	1186.7475	0.6086	INFERIDA	37
0007	0035	0044	750.0000	1950.0000	800.9929	0.4108	INFERIDA	27
0007	0035	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0036	0040	750.0000	1950.0000	1438.0771	0.7375	INFERIDA	13
0007	0036	0041	750.0000	1950.0000	1863.1437	0.9555	INFERIDA	17
0007	0036	0042	750.0000	1950.0000	1646.0745	0.8441	INFERIDA	16
0007	0036	0043	750.0000	1950.0000	1379.2577	0.7073	INFERIDA	2
0007	0037	0043	750.0000	1950.0000	185.3162	0.0950	INFERIDA	15
0007	0037	0044	750.0000	1950.0000	339.1239	0.1739	INFERIDA	27
0007	0037	0045	750.0000	1950.0000	111.4676	0.0572	INFERIDA	26
0007	0037	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0007	0038	0042	750.0000	1950.0000	280.2051	0.1437	INFERIDA	15
0007	0038	0043	750.0000	1950.0000	345.8001	0.1773	INFERIDA	30
0007	0038	0044	750.0000	1950.0000	1087.6211	0.5578	INDICADA	41
0007	0038	0045	750.0000	1950.0000	1126.0320	0.5775	INDICADA	49
0007	0038	0046	750.0000	1950.0000	1207.9763	0.6195	INFERIDA	51
0007	0038	0047	750.0000	1950.0000	97.5000	0.0500	INFERIDA	29
0007	0038	0048	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0007	0039	0042	750.0000	1950.0000	357.5937	0.1834	INFERIDA	19
0007	0039	0043	750.0000	1950.0000	275.8300	0.1415	INDICADA	32
0007	0039	0044	750.0000	1950.0000	432.9848	0.2220	MEDIDA	43
0007	0039	0045	750.0000	1950.0000	409.1060	0.2098	MEDIDA	62
0007	0039	0046	750.0000	1950.0000	799.7520	0.4101	INDICADA	75
0007	0039	0047	750.0000	1950.0000	406.3869	0.2084	INFERIDA	54
0007	0039	0048	750.0000	1950.0000	213.0166	0.1092	INFERIDA	38
0007	0039	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0007	0039	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0007	0039	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0007	0040	0042	750.0000	1950.0000	207.1512	0.1062	INFERIDA	12
0007	0040	0043	750.0000	1950.0000	362.5267	0.1859	INFERIDA	35
0007	0040	0044	750.0000	1950.0000	1113.0503	0.5708	INFERIDA	63
0007	0040	0045	750.0000	1950.0000	1775.1903	0.9104	INFERIDA	81
0007	0040	0046	750.0000	1950.0000	1711.0383	0.8775	INFERIDA	79
0007	0040	0047	750.0000	1950.0000	1074.0448	0.5508	INFERIDA	56
0007	0040	0048	750.0000	1950.0000	875.8530	0.4492	INDICADA	23
0007	0040	0049	750.0000	1950.0000	111.7050	0.0573	INDICADA	17
0007	0040	0050	750.0000	1950.0000	97.5000	0.0500	INDICADA	13
0007	0040	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0007	0040	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0041	0042	750.0000	1950.0000	315.3612	0.1617	INFERIDA	17
0007	0041	0043	750.0000	1950.0000	228.3001	0.1171	INFERIDA	33
0007	0041	0044	750.0000	1950.0000	935.4018	0.4797	INFERIDA	59
0007	0041	0045	750.0000	1950.0000	1311.7515	0.6727	INFERIDA	61
0007	0041	0046	750.0000	1950.0000	1366.5057	0.7008	INDICADA	47
0007	0041	0047	750.0000	1950.0000	1224.5653	0.6280	INFERIDA	40
0007	0041	0048	750.0000	1950.0000	864.7284	0.4435	INDICADA	28
0007	0041	0049	750.0000	1950.0000	112.8884	0.0579	INDICADA	17
0007	0041	0050	750.0000	1950.0000	97.5000	0.0500	INDICADA	12
0007	0041	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0007	0041	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0042	0041	750.0000	1950.0000	385.3629	0.1976	INFERIDA	12
0007	0042	0042	750.0000	1950.0000	259.3644	0.1330	INFERIDA	22
0007	0042	0043	750.0000	1950.0000	182.3200	0.0935	INFERIDA	30
0007	0042	0044	750.0000	1950.0000	176.4178	0.0905	INDICADA	30
0007	0042	0045	750.0000	1950.0000	275.0207	0.1410	MEDIDA	33
0007	0042	0046	750.0000	1950.0000	467.1887	0.2396	MEDIDA	45
0007	0042	0047	750.0000	1950.0000	466.0309	0.2390	INDICADA	49
0007	0042	0048	750.0000	1950.0000	427.1508	0.2191	INFERIDA	40
0007	0042	0049	750.0000	1950.0000	305.2041	0.1565	INFERIDA	25
0007	0042	0050	750.0000	1950.0000	199.5747	0.1023	INFERIDA	15
0007	0042	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0007	0043	0041	750.0000	1950.0000	569.1562	0.2919	INFERIDA	8
0007	0043	0042	750.0000	1950.0000	297.2889	0.1525	INFERIDA	20
0007	0043	0043	750.0000	1950.0000	182.0391	0.0934	INFERIDA	27
0007	0043	0044	750.0000	1950.0000	187.5396	0.0962	INFERIDA	37
0007	0043	0045	750.0000	1950.0000	202.7052	0.1040	INDICADA	45
0007	0043	0046	750.0000	1950.0000	326.8620	0.1676	INDICADA	44
0007	0043	0047	750.0000	1950.0000	425.7722	0.2183	INDICADA	38
0007	0043	0048	750.0000	1950.0000	519.4022	0.2664	INDICADA	27
0007	0043	0049	750.0000	1950.0000	599.3586	0.3074	INDICADA	16
0007	0043	0050	750.0000	1950.0000	662.2161	0.3396	INDICADA	10
0007	0043	0051	750.0000	1950.0000	436.8802	0.2240	INFERIDA	5
0007	0044	0043	750.0000	1950.0000	200.0877	0.1026	INFERIDA	8
0007	0044	0044	750.0000	1950.0000	162.8434	0.0835	INFERIDA	31
0007	0044	0045	750.0000	1950.0000	315.6736	0.1619	INFERIDA	42
0007	0044	0046	750.0000	1950.0000	486.6555	0.2496	INFERIDA	40
0007	0044	0047	750.0000	1950.0000	643.0618	0.3298	INDICADA	45
0007	0044	0048	750.0000	1950.0000	604.1215	0.3098	MEDIDA	43
0007	0044	0049	750.0000	1950.0000	462.3122	0.2371	MEDIDA	42
0007	0044	0050	750.0000	1950.0000	554.5195	0.2844	INDICADA	35
0007	0044	0051	750.0000	1950.0000	454.6835	0.2332	INFERIDA	24
0007	0044	0052	750.0000	1950.0000	557.5963	0.2859	INFERIDA	13
0007	0044	0053	750.0000	1950.0000	478.2149	0.2452	INFERIDA	7
0007	0044	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0007	0045	0045	750.0000	1950.0000	149.5260	0.0767	INFERIDA	17
0007	0045	0046	750.0000	1950.0000	847.6755	0.4347	INFERIDA	38
0007	0045	0047	750.0000	1950.0000	902.9428	0.4630	INFERIDA	48
0007	0045	0048	750.0000	1950.0000	773.5545	0.3967	INFERIDA	49
0007	0045	0049	750.0000	1950.0000	715.3220	0.3668	INDICADA	47
0007	0045	0050	750.0000	1950.0000	638.6343	0.3275	MEDIDA	37
0007	0045	0051	750.0000	1950.0000	557.9755	0.2861	MEDIDA	35
0007	0045	0052	750.0000	1950.0000	491.3548	0.2520	MEDIDA	24
0007	0045	0053	750.0000	1950.0000	493.7222	0.2532	INDICADA	15
0007	0045	0054	750.0000	1950.0000	515.1767	0.2642	INFERIDA	4
0007	0046	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0007	0046	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	25
0007	0046	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0007	0046	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0007	0046	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0007	0046	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0007	0046	0046	750.0000	1950.0000	1307.3903	0.6705	INFERIDA	13
0007	0046	0047	750.0000	1950.0000	1336.5188	0.6854	INFERIDA	38
0007	0046	0048	750.0000	1950.0000	1048.9097	0.5379	INFERIDA	65
0007	0046	0049	750.0000	1950.0000	1013.6796	0.5198	INDICADA	68
0007	0046	0050	750.0000	1950.0000	820.3715	0.4207	INDICADA	58
0007	0046	0051	750.0000	1950.0000	623.5521	0.3198	INDICADA	52
0007	0046	0052	750.0000	1950.0000	538.5345	0.2762	INDICADA	46
0007	0046	0053	750.0000	1950.0000	298.5203	0.1531	INFERIDA	37
0007	0046	0054	750.0000	1950.0000	207.3496	0.1063	INFERIDA	24
0007	0046	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0007	0046	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0007	0047	0036	750.0000	1950.0000	97.5000	0.0500	INDICADA	37
0007	0047	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	33
0007	0047	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	25
0007	0047	0046	750.0000	1950.0000	1083.5455	0.5557	INFERIDA	13
0007	0047	0047	750.0000	1950.0000	1842.4570	0.9448	INFERIDA	51
0007	0047	0048	750.0000	1950.0000	1717.8559	0.8810	INFERIDA	75
0007	0047	0049	750.0000	1950.0000	1455.6225	0.7465	INDICADA	79
0007	0047	0050	750.0000	1950.0000	1165.2938	0.5976	INDICADA	77
0007	0047	0051	750.0000	1950.0000	657.0553	0.3370	MEDIDA	71
0007	0047	0052	750.0000	1950.0000	341.2407	0.1750	MEDIDA	66
0007	0047	0053	750.0000	1950.0000	291.3039	0.1494	MEDIDA	53
0007	0047	0054	750.0000	1950.0000	97.5000	0.0500	INDICADA	40
0007	0047	0055	750.0000	1950.0000	102.0192	0.0523	INFERIDA	39
0007	0047	0056	750.0000	1950.0000	107.3808	0.0551	INFERIDA	25
0007	0047	0057	750.0000	1950.0000	168.9816	0.0867	INFERIDA	6
0007	0048	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	23
0007	0048	0043	750.0000	1950.0000	907.2016	0.4652	INFERIDA	4
0007	0048	0044	750.0000	1950.0000	347.8162	0.1784	INFERIDA	12
0007	0048	0045	750.0000	1950.0000	993.3488	0.5094	INFERIDA	20

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0007	0048	0046	750.0000	1950.0000	2544.3374	1.3048	INFERIDA	25
0007	0048	0047	750.0000	1950.0000	2149.9362	1.1025	INFERIDA	53
0007	0048	0048	750.0000	1950.0000	2020.2309	1.0360	INDICADA	63
0007	0048	0049	750.0000	1950.0000	1585.4085	0.8130	INDICADA	65
0007	0048	0050	750.0000	1950.0000	1130.3791	0.5797	INDICADA	62
0007	0048	0051	750.0000	1950.0000	502.1644	0.2575	INDICADA	61
0007	0048	0052	750.0000	1950.0000	348.0110	0.1785	INDICADA	61
0007	0048	0053	750.0000	1950.0000	277.0987	0.1421	INDICADA	57
0007	0048	0054	750.0000	1950.0000	138.2129	0.0709	INDICADA	60
0007	0048	0055	750.0000	1950.0000	129.3000	0.0663	INFERIDA	50
0007	0048	0056	750.0000	1950.0000	121.0999	0.0621	INFERIDA	34
0007	0048	0057	750.0000	1950.0000	108.8842	0.0558	INFERIDA	13
0007	0048	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0007	0049	0043	750.0000	1950.0000	631.8652	0.3240	INFERIDA	6
0007	0049	0044	750.0000	1950.0000	404.4345	0.2074	INFERIDA	13
0007	0049	0045	750.0000	1950.0000	1349.2390	0.6919	INFERIDA	26
0007	0049	0046	750.0000	1950.0000	2337.9564	1.1990	INFERIDA	41
0007	0049	0047	750.0000	1950.0000	2433.4137	1.2479	INDICADA	46
0007	0049	0048	750.0000	1950.0000	2104.2320	1.0791	INDICADA	53
0007	0049	0049	750.0000	1950.0000	1156.4967	0.5931	MEDIDA	71
0007	0049	0050	750.0000	1950.0000	455.0205	0.2333	MEDIDA	74
0007	0049	0051	750.0000	1950.0000	137.2151	0.0704	MEDIDA	75
0007	0049	0052	750.0000	1950.0000	121.8701	0.0625	MEDIDA	67
0007	0049	0053	750.0000	1950.0000	104.0511	0.0534	MEDIDA	68
0007	0049	0054	750.0000	1950.0000	173.0411	0.0887	INDICADA	64
0007	0049	0055	750.0000	1950.0000	150.9551	0.0774	INDICADA	44
0007	0049	0056	750.0000	1950.0000	124.5490	0.0639	INDICADA	25
0007	0049	0057	750.0000	1950.0000	106.7643	0.0548	INFERIDA	15
0007	0049	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0007	0050	0043	750.0000	1950.0000	1910.2000	0.9796	INFERIDA	3
0007	0050	0044	750.0000	1950.0000	959.5568	0.4921	INFERIDA	22
0007	0050	0045	750.0000	1950.0000	1180.5849	0.6054	INFERIDA	40
0007	0050	0046	750.0000	1950.0000	1568.5846	0.8044	INFERIDA	51
0007	0050	0047	750.0000	1950.0000	1261.0407	0.6467	INFERIDA	57
0007	0050	0048	750.0000	1950.0000	855.9209	0.4389	INDICADA	62
0007	0050	0049	750.0000	1950.0000	601.7244	0.3086	INDICADA	66
0007	0050	0050	750.0000	1950.0000	309.1080	0.1585	INDICADA	69
0007	0050	0051	750.0000	1950.0000	122.5126	0.0628	INDICADA	77
0007	0050	0052	750.0000	1950.0000	111.3128	0.0571	INDICADA	74
0007	0050	0053	750.0000	1950.0000	114.1183	0.0585	INDICADA	59
0007	0050	0054	750.0000	1950.0000	131.4787	0.0674	INFERIDA	50
0007	0050	0055	750.0000	1950.0000	124.9758	0.0641	INFERIDA	35
0007	0050	0056	750.0000	1950.0000	116.2346	0.0596	INFERIDA	19
0007	0050	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0007	0050	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0007	0051	0043	750.0000	1950.0000	1811.7370	0.9291	INFERIDA	4

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0007	0051	0044	750.0000	1950.0000	1315.2175	0.6745	INFERIDA	19
0007	0051	0045	750.0000	1950.0000	1103.6541	0.5660	INFERIDA	37
0007	0051	0046	750.0000	1950.0000	709.4344	0.3638	INFERIDA	50
0007	0051	0047	750.0000	1950.0000	399.3693	0.2048	INDICADA	56
0007	0051	0048	750.0000	1950.0000	222.1877	0.1139	INDICADA	61
0007	0051	0049	750.0000	1950.0000	108.9367	0.0559	INDICADA	65
0007	0051	0050	750.0000	1950.0000	102.9253	0.0528	MEDIDA	70
0007	0051	0051	750.0000	1950.0000	105.4727	0.0541	MEDIDA	75
0007	0051	0052	750.0000	1950.0000	109.0354	0.0559	MEDIDA	65
0007	0051	0053	750.0000	1950.0000	115.7545	0.0594	MEDIDA	51
0007	0051	0054	750.0000	1950.0000	132.3988	0.0679	INDICADA	32
0007	0051	0055	750.0000	1950.0000	136.0859	0.0698	INFERIDA	13
0007	0052	0043	750.0000	1950.0000	2149.8487	1.1025	INFERIDA	2
0007	0052	0044	750.0000	1950.0000	999.5445	0.5126	INFERIDA	23
0007	0052	0045	750.0000	1950.0000	706.7053	0.3624	INFERIDA	49
0007	0052	0046	750.0000	1950.0000	456.5988	0.2342	INFERIDA	63
0007	0052	0047	750.0000	1950.0000	283.0424	0.1451	INDICADA	71
0007	0052	0048	750.0000	1950.0000	194.6116	0.0998	INDICADA	78
0007	0052	0049	750.0000	1950.0000	165.1564	0.0847	INDICADA	92
0007	0052	0050	750.0000	1950.0000	125.9253	0.0646	MEDIDA	84
0007	0052	0051	750.0000	1950.0000	142.0961	0.0729	MEDIDA	69
0007	0052	0052	750.0000	1950.0000	130.6330	0.0670	MEDIDA	61
0007	0052	0053	750.0000	1950.0000	112.5638	0.0577	MEDIDA	44
0007	0052	0054	750.0000	1950.0000	118.2232	0.0606	INDICADA	24
0007	0052	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0007	0053	0043	750.0000	1950.0000	585.0944	0.3000	INFERIDA	8
0007	0053	0044	750.0000	1950.0000	836.2575	0.4289	INFERIDA	25
0007	0053	0045	750.0000	1950.0000	605.1079	0.3103	INFERIDA	40
0007	0053	0046	750.0000	1950.0000	462.7106	0.2373	INDICADA	52
0007	0053	0047	750.0000	1950.0000	471.2004	0.2416	INDICADA	69
0007	0053	0048	750.0000	1950.0000	434.8517	0.2230	INDICADA	80
0007	0053	0049	750.0000	1950.0000	325.5344	0.1669	INDICADA	80
0007	0053	0050	750.0000	1950.0000	306.3662	0.1571	INDICADA	73
0007	0053	0051	750.0000	1950.0000	241.3692	0.1238	INDICADA	59
0007	0053	0052	750.0000	1950.0000	248.3794	0.1274	INDICADA	41
0007	0053	0053	750.0000	1950.0000	286.6258	0.1470	INDICADA	27
0007	0053	0054	750.0000	1950.0000	250.5973	0.1285	INDICADA	16
0007	0053	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0007	0054	0043	750.0000	1950.0000	481.3346	0.2468	INFERIDA	10
0007	0054	0044	750.0000	1950.0000	696.8745	0.3574	INFERIDA	18
0007	0054	0045	750.0000	1950.0000	598.4322	0.3069	INDICADA	36
0007	0054	0046	750.0000	1950.0000	485.3739	0.2489	INDICADA	50
0007	0054	0047	750.0000	1950.0000	320.3241	0.1643	MEDIDA	80
0007	0054	0048	750.0000	1950.0000	271.8667	0.1394	MEDIDA	95
0007	0054	0049	750.0000	1950.0000	313.7368	0.1609	INDICADA	98
0007	0054	0050	750.0000	1950.0000	383.9183	0.1969	INDICADA	84

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0007	0054	0051	750.0000	1950.0000	459.6018	0.2357	MEDIDA	63
0007	0054	0052	750.0000	1950.0000	382.2453	0.1960	MEDIDA	42
0007	0054	0053	750.0000	1950.0000	563.8608	0.2892	INDICADA	23
0007	0054	0054	750.0000	1950.0000	615.0071	0.3154	INFERIDA	12
0007	0055	0043	750.0000	1950.0000	791.6023	0.4057	INFERIDA	5
0007	0055	0044	750.0000	1950.0000	2339.0223	1.1995	INFERIDA	26
0007	0055	0045	750.0000	1950.0000	1647.7181	0.8450	INFERIDA	42
0007	0055	0046	750.0000	1950.0000	1273.0483	0.6528	INFERIDA	55
0007	0055	0047	750.0000	1950.0000	817.6629	0.4193	INDICADA	68
0007	0055	0048	750.0000	1950.0000	702.6847	0.3604	INDICADA	81
0007	0055	0049	750.0000	1950.0000	611.7870	0.3137	INDICADA	76
0007	0055	0050	750.0000	1950.0000	511.2049	0.2622	INDICADA	65
0007	0055	0051	750.0000	1950.0000	322.3700	0.1653	INDICADA	46
0007	0055	0052	750.0000	1950.0000	276.9869	0.1420	INDICADA	26
0007	0055	0053	750.0000	1950.0000	502.7236	0.2578	INFERIDA	12
0007	0055	0054	750.0000	1950.0000	430.7780	0.2209	INFERIDA	5
0007	0056	0044	750.0000	1950.0000	3627.7163	1.8604	INFERIDA	12
0007	0056	0045	750.0000	1950.0000	2341.2151	1.2006	INFERIDA	20
0007	0056	0046	750.0000	1950.0000	1601.6185	0.8213	INFERIDA	36
0007	0056	0047	750.0000	1950.0000	922.2136	0.4729	INDICADA	43
0007	0056	0048	750.0000	1950.0000	808.5001	0.4146	MEDIDA	45
0007	0056	0049	750.0000	1950.0000	696.7846	0.3573	MEDIDA	36
0007	0056	0050	750.0000	1950.0000	515.0612	0.2641	MEDIDA	31
0007	0056	0051	750.0000	1950.0000	387.6106	0.1988	INDICADA	30
0007	0056	0052	750.0000	1950.0000	171.7818	0.0881	INFERIDA	18
0007	0056	0053	750.0000	1950.0000	330.1629	0.1693	INFERIDA	4
0007	0057	0045	750.0000	1950.0000	2989.4679	1.5331	INFERIDA	16
0007	0057	0046	750.0000	1950.0000	974.0156	0.4995	INFERIDA	22
0007	0057	0047	750.0000	1950.0000	842.2183	0.4319	INFERIDA	26
0007	0057	0048	750.0000	1950.0000	797.1823	0.4088	INFERIDA	27
0007	0057	0049	750.0000	1950.0000	703.7070	0.3607	INFERIDA	25
0007	0057	0050	750.0000	1950.0000	485.2178	0.2488	INFERIDA	19
0007	0057	0051	750.0000	1950.0000	226.4324	0.1161	INFERIDA	12
0007	0057	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0008	0012	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0008	0012	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0008	0012	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0008	0013	0032	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0008	0013	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0008	0013	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0008	0013	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0008	0013	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0008	0013	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0008	0014	0032	750.0000	1950.0000	166.3478	0.0853	INFERIDA	17
0008	0014	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0008	0014	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIOOOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0008	0014	0035	750.0000	1950.0000	97.5000	0.0500	INDICAOA	12
0008	0014	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0008	0014	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0008	0015	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0008	0015	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0008	0015	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0008	0015	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0008	0032	0040	750.0000	1950.0000	1805.4850	0.9259	INFERIDA	16
0008	0032	0041	750.0000	1950.0000	1478.9029	0.7687	INFERIDA	26
0008	0032	0042	750.0000	1950.0000	1140.2557	0.5847	INFERIDA	27
0008	0032	0043	750.0000	1950.0000	993.9215	0.5097	INFERIDA	27
0008	0032	0044	750.0000	1950.0000	242.8765	0.1246	INFERIDA	17
0008	0032	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0008	0033	0039	750.0000	1950.0000	1108.9026	0.5687	INFERIDA	25
0008	0033	0040	750.0000	1950.0000	1514.8084	0.7768	INFERIDA	34
0008	0033	0041	750.0000	1950.0000	1342.4555	0.6884	INDICADA	39
0008	0033	0042	750.0000	1950.0000	1169.0526	0.5995	INDICADA	41
0008	0033	0043	750.0000	1950.0000	930.4956	0.4772	INDICADA	35
0008	0033	0044	750.0000	1950.0000	844.7780	0.4332	INFERIDA	27
0008	0033	0045	750.0000	1950.0000	210.7775	0.1081	INFERIDA	16
0008	0033	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0008	0034	0038	750.0000	1950.0000	1118.2611	0.5735	INFERIDA	10
0008	0034	0039	750.0000	1950.0000	1463.4579	0.7505	INFERIDA	29
0008	0034	0040	750.0000	1950.0000	1501.2143	0.7699	INFERIDA	38
0008	0034	0041	750.0000	1950.0000	1509.4102	0.7741	INDICADA	41
0008	0034	0042	750.0000	1950.0000	1204.6411	0.6178	MEDIDA	42
0008	0034	0043	750.0000	1950.0000	819.8060	0.4204	MEDIDA	36
0008	0034	0044	750.0000	1950.0000	726.0360	0.3723	INDICADA	29
0008	0034	0045	750.0000	1950.0000	233.0959	0.1195	INFERIDA	17
0008	0034	0046	750.0000	1950.0000	140.6796	0.0721	INFERIDA	7
0008	0035	0039	750.0000	1950.0000	1194.4687	0.6125	INFERIDA	19
0008	0035	0040	750.0000	1950.0000	1544.8574	0.7922	INFERIDA	32
0008	0035	0041	750.0000	1950.0000	1364.6176	0.6998	INFERIDA	36
0008	0035	0042	750.0000	1950.0000	1113.3518	0.5709	INFERIDA	38
0008	0035	0043	750.0000	1950.0000	952.2578	0.4883	INFERIDA	33
0008	0035	0044	750.0000	1950.0000	673.2156	0.3452	INFERIDA	24
0008	0035	0045	750.0000	1950.0000	178.4008	0.0915	INFERIDA	14
0008	0035	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0008	0036	0041	750.0000	1950.0000	2121.3022	1.0878	INFERIDA	12
0008	0036	0042	750.0000	1950.0000	1487.4843	0.7628	INFERIDA	17
0008	0036	0043	750.0000	1950.0000	363.0341	0.1862	INFERIDA	13
0008	0037	0042	750.0000	1950.0000	351.6116	0.1803	INFERIDA	2
0008	0037	0043	750.0000	1950.0000	175.5174	0.0900	INFERIDA	11
0008	0037	0044	750.0000	1950.0000	149.6790	0.0768	INFERIDA	17
0008	0037	0045	750.0000	1950.0000	141.8736	0.0728	INFERIDA	20
0008	0038	0041	750.0000	1950.0000	604.5000	0.3100	INFERIDA	1

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0008	0038	0042	750.0000	1950.0000	178.2879	0.0914	INFERIDA	11
0008	0038	0043	750.0000	1950.0000	155.2164	0.0796	INDICADA	18
0008	0038	0044	750.0000	1950.0000	151.9190	0.0779	INDICADA	25
0008	0038	0045	750.0000	1950.0000	138.1268	0.0708	INFERIDA	27
0008	0038	0046	750.0000	1950.0000	133.1576	0.0683	INFERIDA	28
0008	0038	0047	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0008	0039	0041	750.0000	1950.0000	274.9533	0.1410	INFERIDA	3
0008	0039	0042	750.0000	1950.0000	180.3955	0.0925	INFERIDA	13
0008	0039	0043	750.0000	1950.0000	185.5389	0.0951	INDICADA	21
0008	0039	0044	750.0000	1950.0000	156.9065	0.0805	MEDIDA	28
0008	0039	0045	750.0000	1950.0000	142.0014	0.0728	INDICADA	29
0008	0039	0046	750.0000	1950.0000	135.1006	0.0693	INFERIDA	30
0008	0039	0047	750.0000	1950.0000	122.8309	0.0630	INFERIDA	19
0008	0039	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0008	0039	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0008	0040	0042	750.0000	1950.0000	183.6910	0.0942	INFERIDA	10
0008	0040	0043	750.0000	1950.0000	154.0969	0.0790	INFERIDA	17
0008	0040	0044	750.0000	1950.0000	143.6792	0.0737	INFERIDA	22
0008	0040	0045	750.0000	1950.0000	136.7524	0.0701	INFERIDA	26
0008	0040	0046	750.0000	1950.0000	113.6018	0.0583	INFERIDA	26
0008	0040	0047	750.0000	1950.0000	547.9835	0.2810	INFERIDA	12
0008	0040	0048	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0008	0040	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0008	0040	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0008	0040	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0008	0041	0043	750.0000	1950.0000	182.5707	0.0936	INFERIDA	6
0008	0041	0044	750.0000	1950.0000	189.8059	0.0973	INFERIDA	30
0008	0041	0045	750.0000	1950.0000	199.3533	0.1022	INFERIDA	24
0008	0041	0046	750.0000	1950.0000	243.0519	0.1246	INFERIDA	13
0008	0041	0047	750.0000	1950.0000	221.7497	0.1137	INFERIDA	19
0008	0041	0048	750.0000	1950.0000	168.8819	0.0866	INFERIDA	18
0008	0041	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0008	0041	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0008	0041	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0008	0042	0043	750.0000	1950.0000	135.6623	0.0696	INFERIDA	17
0008	0042	0044	750.0000	1950.0000	214.6025	0.1101	INFERIDA	22
0008	0042	0045	750.0000	1950.0000	227.6497	0.1167	INFERIDA	19
0008	0042	0046	750.0000	1950.0000	264.0508	0.1354	INDICADA	16
0008	0042	0047	750.0000	1950.0000	304.3356	0.1561	INDICADA	11
0008	0042	0048	750.0000	1950.0000	434.0158	0.2226	INFERIDA	13
0008	0042	0049	750.0000	1950.0000	240.5951	0.1234	INFERIDA	12
0008	0042	0050	750.0000	1950.0000	137.6609	0.0706	INFERIDA	5
0008	0043	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0008	0043	0044	750.0000	1950.0000	192.4428	0.0987	INFERIDA	20
0008	0043	0045	750.0000	1950.0000	212.5325	0.1090	INFERIDA	18
0008	0043	0046	750.0000	1950.0000	394.1037	0.2021	INFERIDA	23

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0008	0043	0047	750.0000	1950.0000	466.9407	0.2395	INFERIDA	27
0008	0043	0048	750.0000	1950.0000	592.6720	0.3039	INFERIDA	19
0008	0043	0049	750.0000	1950.0000	649.6205	0.3331	INFERIDA	11
0008	0043	0050	750.0000	1950.0000	424.3778	0.2176	INFERIDA	8
0008	0043	0051	750.0000	1950.0000	234.7068	0.1204	INFERIDA	3
0008	0044	0045	750.0000	1950.0000	335.9753	0.1723	INFERIDA	7
0008	0044	0046	750.0000	1950.0000	582.5783	0.2988	INFERIDA	20
0008	0044	0047	750.0000	1950.0000	561.0021	0.2877	INFERIDA	22
0008	0044	0048	750.0000	1950.0000	581.0379	0.2980	INFERIDA	16
0008	0044	0049	750.0000	1950.0000	577.1284	0.2960	INDICADA	23
0008	0044	0050	750.0000	1950.0000	472.2219	0.2422	INFERIDA	25
0008	0044	0051	750.0000	1950.0000	501.1520	0.2570	INFERIDA	17
0008	0044	0052	750.0000	1950.0000	545.7516	0.2799	INFERIDA	9
0008	0044	0053	750.0000	1950.0000	448.9952	0.2303	INFERIDA	5
0008	0045	0047	750.0000	1950.0000	612.2857	0.3140	INFERIDA	16
0008	0045	0048	750.0000	1950.0000	790.9398	0.4056	INFERIDA	28
0008	0045	0049	750.0000	1950.0000	714.2700	0.3663	INFERIDA	34
0008	0045	0050	750.0000	1950.0000	490.7057	0.2516	INFERIDA	28
0008	0045	0051	750.0000	1950.0000	525.7304	0.2696	INDICADA	19
0008	0045	0052	750.0000	1950.0000	527.1140	0.2703	INDICADA	13
0008	0045	0053	750.0000	1950.0000	434.5209	0.2228	INFERIDA	16
0008	0045	0054	750.0000	1950.0000	146.7968	0.0753	INFERIDA	12
0008	0045	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0008	0046	0033	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0008	0046	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0008	0046	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0008	0046	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	32
0008	0046	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0008	0046	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0008	0046	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0008	0046	0048	750.0000	1950.0000	917.2751	0.4704	INFERIDA	14
0008	0046	0049	750.0000	1950.0000	1003.4966	0.5146	INFERIDA	31
0008	0046	0050	750.0000	1950.0000	644.3217	0.3304	INFERIDA	41
0008	0046	0051	750.0000	1950.0000	580.7842	0.2978	INDICADA	42
0008	0046	0052	750.0000	1950.0000	524.9503	0.2692	INDICADA	38
0008	0046	0053	750.0000	1950.0000	211.8456	0.1086	INFERIDA	32
0008	0046	0054	750.0000	1950.0000	109.4949	0.0562	INFERIDA	21
0008	0046	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0008	0046	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0008	0046	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0008	0047	0036	750.0000	1950.0000	97.5000	0.0500	MEDIDA	39
0008	0047	0037	750.0000	1950.0000	97.5000	0.0500	MEDIDA	38
0008	0047	0038	750.0000	1950.0000	97.5000	0.0500	INDICADA	34
0008	0047	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0008	0047	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0008	0047	0048	750.0000	1950.0000	1696.5000	0.8700	INFERIDA	1

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0008	0047	0049	750.0000	1950.0000	1211.8778	0.6215	INFERIDA	32
0008	0047	0050	750.0000	1950.0000	682.5571	0.3500	INFERIDA	54
0008	0047	0051	750.0000	1950.0000	445.5700	0.2285	INDICADA	58
0008	0047	0052	750.0000	1950.0000	253.6101	0.1301	INDICADA	57
0008	0047	0053	750.0000	1950.0000	101.2648	0.0519	MEDIDA	49
0008	0047	0054	750.0000	1950.0000	97.5000	0.0500	MEDIDA	41
0008	0047	0055	750.0000	1950.0000	97.5000	0.0500	MEDIDA	34
0008	0047	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0008	0047	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0008	0047	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0008	0048	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	33
0008	0048	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0008	0048	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0008	0048	0046	750.0000	1950.0000	1852.4538	0.9500	INFERIDA	8
0008	0048	0047	750.0000	1950.0000	3496.1116	1.7929	INFERIDA	17
0008	0048	0048	750.0000	1950.0000	2335.7025	1.1978	INFERIDA	20
0008	0048	0049	750.0000	1950.0000	1310.9681	0.6723	INFERIDA	42
0008	0048	0050	750.0000	1950.0000	668.0479	0.3426	INFERIDA	50
0008	0048	0051	750.0000	1950.0000	325.4921	0.1669	INFERIDA	55
0008	0048	0052	750.0000	1950.0000	244.1964	0.1252	INDICADA	56
0008	0048	0053	750.0000	1950.0000	97.5000	0.0500	INDICADA	53
0008	0048	0054	750.0000	1950.0000	97.5000	0.0500	INDICADA	48
0008	0048	0055	750.0000	1950.0000	97.5000	0.0500	INDICADA	38
0008	0048	0056	750.0000	1950.0000	97.5000	0.0500	INDICADA	27
0008	0048	0057	750.0000	1950.0000	97.5000	0.0500	INDICADA	15
0008	0048	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0008	0048	0059	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0008	0049	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0008	0049	0046	750.0000	1950.0000	2649.7932	1.3589	INFERIDA	14
0008	0049	0047	750.0000	1950.0000	2939.7372	1.5076	INFERIDA	21
0008	0049	0048	750.0000	1950.0000	1999.5499	1.0254	INFERIDA	24
0008	0049	0049	750.0000	1950.0000	1158.1228	0.5939	INFERIDA	35
0008	0049	0050	750.0000	1950.0000	424.8488	0.2179	INDICADA	44
0008	0049	0051	750.0000	1950.0000	172.4063	0.0884	INDICADA	60
0008	0049	0052	750.0000	1950.0000	97.5000	0.0500	INDICADA	61
0008	0049	0053	750.0000	1950.0000	97.5000	0.0500	MEDIDA	58
0008	0049	0054	750.0000	1950.0000	97.5000	0.0500	MEDIDA	48
0008	0049	0055	750.0000	1950.0000	97.5000	0.0500	MEDIDA	34
0008	0049	0056	750.0000	1950.0000	97.5000	0.0500	MEDIDA	22
0008	0049	0057	750.0000	1950.0000	97.5000	0.0500	INDICADA	12
0008	0049	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0008	0049	0059	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0008	0050	0046	750.0000	1950.0000	190.0196	0.0974	INFERIDA	5
0008	0050	0047	750.0000	1950.0000	1674.4726	0.8587	INFERIDA	27
0008	0050	0048	750.0000	1950.0000	1055.5463	0.5413	INFERIDA	36
0008	0050	0049	750.0000	1950.0000	504.3397	0.2586	INFERIDA	42

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0008	0050	0050	750.0000	1950.0000	140.3482	0.0720	INFERIDA	46
0008	0050	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	46
0008	0050	0052	750.0000	1950.0000	97.5000	0.0500	INDICADA	46
0008	0050	0053	750.0000	1950.0000	97.5000	0.0500	INDICADA	43
0008	0050	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	34
0008	0050	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0008	0050	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0008	0050	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0008	0050	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0008	0051	0046	750.0000	1950.0000	148.7827	0.0763	INFERIDA	9
0008	0051	0047	750.0000	1950.0000	132.9632	0.0682	INFERIDA	22
0008	0051	0048	750.0000	1950.0000	107.1127	0.0549	INFERIDA	34
0008	0051	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	41
0008	0051	0050	750.0000	1950.0000	104.5157	0.0536	INFERIDA	46
0008	0051	0051	750.0000	1950.0000	104.4219	0.0535	INDICADA	44
0008	0051	0052	750.0000	1950.0000	104.5863	0.0536	INDICADA	40
0008	0051	0053	750.0000	1950.0000	105.6561	0.0542	INDICADA	33
0008	0051	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	25
0008	0051	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0008	0051	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0008	0051	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0008	0052	0046	750.0000	1950.0000	308.3361	0.1581	INFERIDA	11
0008	0052	0047	750.0000	1950.0000	187.2514	0.0960	INFERIDA	30
0008	0052	0048	750.0000	1950.0000	110.0328	0.0564	INFERIDA	51
0008	0052	0049	750.0000	1950.0000	106.4351	0.0546	INFERIDA	54
0008	0052	0050	750.0000	1950.0000	114.9233	0.0589	INFERIDA	54
0008	0052	0051	750.0000	1950.0000	140.4519	0.0720	INDICADA	57
0008	0052	0052	750.0000	1950.0000	142.4043	0.0730	INDICADA	41
0008	0052	0053	750.0000	1950.0000	126.7869	0.0650	INDICADA	28
0008	0052	0054	750.0000	1950.0000	118.8901	0.0610	INDICADA	15
0008	0052	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0008	0053	0045	750.0000	1950.0000	541.8862	0.2779	INFERIDA	18
0008	0053	0046	750.0000	1950.0000	345.8209	0.1773	INFERIDA	24
0008	0053	0047	750.0000	1950.0000	242.3682	0.1243	INFERIDA	38
0008	0053	0048	750.0000	1950.0000	136.2583	0.0699	INDICADA	41
0008	0053	0049	750.0000	1950.0000	115.3552	0.0592	INDICADA	53
0008	0053	0050	750.0000	1950.0000	183.2844	0.0940	INDICADA	57
0008	0053	0051	750.0000	1950.0000	204.1644	0.1047	INFERIDA	49
0008	0053	0052	750.0000	1950.0000	249.6584	0.1280	INFERIDA	35
0008	0053	0053	750.0000	1950.0000	292.4250	0.1500	INDICADA	22
0008	0053	0054	750.0000	1950.0000	211.8400	0.1086	INFERIDA	13
0008	0053	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0008	0054	0044	750.0000	1950.0000	335.6998	0.1722	INFERIDA	9
0008	0054	0045	750.0000	1950.0000	492.9870	0.2528	INFERIDA	22
0008	0054	0046	750.0000	1950.0000	304.9553	0.1564	INFERIDA	27
0008	0054	0047	750.0000	1950.0000	262.0637	0.1344	INDICADA	42

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0008	0054	0048	750.0000	1950.0000	184.3929	0.0946	INDICADA	46
0008	0054	0049	750.0000	1950.0000	133.7210	0.0686	MEDIDA	60
0008	0054	0050	750.0000	1950.0000	146.5728	0.0752	MEDIDA	54
0008	0054	0051	750.0000	1950.0000	237.4016	0.1217	INDICADA	49
0008	0054	0052	750.0000	1950.0000	368.2156	0.1888	INDICADA	36
0008	0054	0053	750.0000	1950.0000	544.6750	0.2793	INDICADA	18
0008	0054	0054	750.0000	1950.0000	449.1315	0.2303	INFERIDA	8
0008	0055	0045	750.0000	1950.0000	679.4553	0.3484	INFERIDA	12
0008	0055	0046	750.0000	1950.0000	667.9010	0.3425	INFERIDA	39
0008	0055	0047	750.0000	1950.0000	607.7199	0.3117	INFERIDA	50
0008	0055	0048	750.0000	1950.0000	444.8195	0.2281	INFERIDA	53
0008	0055	0049	750.0000	1950.0000	357.6886	0.1834	INDICADA	51
0008	0055	0050	750.0000	1950.0000	289.5624	0.1485	INDICADA	53
0008	0055	0051	750.0000	1950.0000	237.0239	0.1216	INDICADA	39
0008	0055	0052	750.0000	1950.0000	245.4543	0.1259	INFERIDA	24
0008	0055	0053	750.0000	1950.0000	457.9461	0.2348	INFERIDA	10
0008	0055	0054	750.0000	1950.0000	643.7557	0.3301	INFERIDA	3
0008	0056	0046	750.0000	1950.0000	1000.3570	0.5130	INFERIDA	19
0008	0056	0047	750.0000	1950.0000	829.5074	0.4254	INFERIDA	25
0008	0056	0048	750.0000	1950.0000	597.7432	0.3065	INFERIDA	36
0008	0056	0049	750.0000	1950.0000	443.3891	0.2274	INDICADA	35
0008	0056	0050	750.0000	1950.0000	288.7014	0.1481	MEDIDA	25
0008	0056	0051	750.0000	1950.0000	190.5166	0.0977	INDICADA	14
0008	0056	0052	750.0000	1950.0000	124.3752	0.0638	INFERIDA	12
0008	0056	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0008	0057	0047	750.0000	1950.0000	1096.2107	0.5622	INFERIDA	16
0008	0057	0048	750.0000	1950.0000	732.7429	0.3758	INFERIDA	21
0008	0057	0049	750.0000	1950.0000	533.0884	0.2734	INFERIDA	21
0008	0057	0050	750.0000	1950.0000	444.4832	0.2279	INFERIDA	16
0008	0057	0051	750.0000	1950.0000	191.1451	0.0980	INFERIDA	11
0008	0057	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0009	0013	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0009	0013	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0009	0014	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0009	0014	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0009	0014	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0009	0015	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0009	0032	0041	750.0000	1950.0000	1537.3648	0.7884	INFERIDA	7
0009	0032	0042	750.0000	1950.0000	781.8185	0.4009	INFERIDA	20
0009	0032	0043	750.0000	1950.0000	269.6501	0.1383	INFERIDA	19
0009	0032	0044	750.0000	1950.0000	174.2221	0.0893	INFERIDA	14
0009	0032	0045	750.0000	1950.0000	133.1951	0.0683	INFERIDA	8
0009	0033	0040	750.0000	1950.0000	1660.2870	0.8514	INFERIDA	21
0009	0033	0041	750.0000	1950.0000	1090.7986	0.5594	INFERIDA	31
0009	0033	0042	750.0000	1950.0000	779.7628	0.4000	INFERIDA	33
0009	0033	0043	750.0000	1950.0000	680.5514	0.3490	INDICADA	29

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0009	0033	0044	750.0000	1950.0000	415.5032	0.2131	INDICADA	22
0009	0033	0045	750.0000	1950.0000	162.9032	0.0835	INDICADA	14
0009	0033	0046	750.0000	1950.0000	133.7580	0.0686	INFERIDA	7
0009	0034	0040	750.0000	1950.0000	1478.6677	0.7583	INFERIDA	26
0009	0034	0041	750.0000	1950.0000	943.9402	0.4841	INFERIDA	36
0009	0034	0042	750.0000	1950.0000	592.9748	0.3041	INDICADA	35
0009	0034	0043	750.0000	1950.0000	334.7873	0.1717	MEDIDA	30
0009	0034	0044	750.0000	1950.0000	181.4990	0.0931	MEDIDA	23
0009	0034	0045	750.0000	1950.0000	148.9873	0.0764	INDICADA	15
0009	0034	0046	750.0000	1950.0000	125.7938	0.0645	INFERIDA	8
0009	0035	0040	750.0000	1950.0000	2015.0904	1.0334	INFERIDA	13
0009	0035	0041	750.0000	1950.0000	1065.9616	0.5466	INFERIDA	28
0009	0035	0042	750.0000	1950.0000	848.6277	0.4352	INFERIDA	32
0009	0035	0043	750.0000	1950.0000	760.6647	0.3901	INFERIDA	28
0009	0035	0044	750.0000	1950.0000	248.7610	0.1276	INFERIDA	19
0009	0035	0045	750.0000	1950.0000	158.5595	0.0813	INFERIDA	13
0009	0035	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0009	0036	0043	750.0000	1950.0000	182.3061	0.0935	INFERIDA	13
0009	0036	0044	750.0000	1950.0000	126.7661	0.0650	INFERIDA	10
0009	0036	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0009	0037	0043	750.0000	1950.0000	186.9384	0.0959	INFERIDA	6
0009	0037	0044	750.0000	1950.0000	165.3024	0.0848	INFERIDA	8
0009	0037	0045	750.0000	1950.0000	226.4936	0.1162	INFERIDA	4
0009	0038	0042	750.0000	1950.0000	187.0893	0.0959	INFERIDA	7
0009	0038	0043	750.0000	1950.0000	181.1254	0.0929	INFERIDA	12
0009	0038	0044	750.0000	1950.0000	166.0974	0.0852	INFERIDA	16
0009	0038	0045	750.0000	1950.0000	159.5634	0.0818	INFERIDA	17
0009	0038	0046	750.0000	1950.0000	122.5520	0.0628	INFERIDA	13
0009	0039	0041	750.0000	1950.0000	604.5000	0.3100	INFERIDA	1
0009	0039	0042	750.0000	1950.0000	196.0903	0.1006	INFERIDA	8
0009	0039	0043	750.0000	1950.0000	197.7249	0.1014	INDICADA	14
0009	0039	0044	750.0000	1950.0000	185.9411	0.0954	INDICADA	17
0009	0039	0045	750.0000	1950.0000	166.6338	0.0855	INFERIDA	19
0009	0039	0046	750.0000	1950.0000	159.3304	0.0817	INFERIDA	17
0009	0040	0042	750.0000	1950.0000	193.6268	0.0993	INFERIDA	6
0009	0040	0043	750.0000	1950.0000	181.8414	0.0933	INFERIDA	11
0009	0040	0044	750.0000	1950.0000	167.3803	0.0858	INFERIDA	14
0009	0040	0045	750.0000	1950.0000	161.8015	0.0830	INFERIDA	15
0009	0041	0043	750.0000	1950.0000	604.5000	0.3100	INFERIDA	1
0009	0041	0044	750.0000	1950.0000	352.5421	0.1808	INFERIDA	2
0009	0041	0046	750.0000	1950.0000	500.5480	0.2567	INFERIDA	4
0009	0041	0047	750.0000	1950.0000	526.7736	0.2701	INFERIDA	2
0009	0042	0045	750.0000	1950.0000	296.2077	0.1519	INFERIDA	9
0009	0042	0046	750.0000	1950.0000	347.4193	0.1782	INFERIDA	7
0009	0042	0047	750.0000	1950.0000	497.7260	0.2552	INFERIDA	4
0009	0042	0048	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0009	0043	0045	750.0000	1950.0000	500.8266	0.2568	INFERIDA	4
0009	0043	0046	750.0000	1950.0000	426.6730	0.2188	INFERIDA	5
0009	0043	0047	750.0000	1950.0000	543.1394	0.2785	INFERIDA	3
0009	0043	0048	750.0000	1950.0000	457.7006	0.2347	INFERIDA	4
0009	0043	0049	750.0000	1950.0000	452.7040	0.2322	INFERIDA	4
0009	0043	0050	750.0000	1950.0000	201.5713	0.1034	INFERIDA	2
0009	0044	0048	750.0000	1950.0000	381.9566	0.1959	INFERIDA	7
0009	0044	0049	750.0000	1950.0000	389.1677	0.1996	INFERIDA	6
0009	0044	0050	750.0000	1950.0000	234.9236	0.1205	INFERIDA	3
0009	0044	0051	750.0000	1950.0000	628.6409	0.3224	INFERIDA	3
0009	0044	0052	750.0000	1950.0000	624.0430	0.3200	INFERIDA	3
0009	0045	0049	750.0000	1950.0000	202.7073	0.1040	INFERIDA	2
0009	0045	0050	750.0000	1950.0000	535.7463	0.2747	INFERIDA	10
0009	0045	0051	750.0000	1950.0000	541.1220	0.2775	INFERIDA	9
0009	0045	0052	750.0000	1950.0000	474.6245	0.2434	INFERIDA	7
0009	0045	0053	750.0000	1950.0000	604.1967	0.3098	INFERIDA	3
0009	0045	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0009	0046	0034	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0009	0046	0035	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0009	0046	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0009	0046	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	32
0009	0046	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0009	0046	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	28
0009	0046	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0009	0046	0050	750.0000	1950.0000	549.7722	0.2819	INFERIDA	9
0009	0046	0051	750.0000	1950.0000	380.2006	0.1950	INFERIDA	16
0009	0046	0052	750.0000	1950.0000	210.7281	0.1081	INFERIDA	23
0009	0046	0053	750.0000	1950.0000	167.8632	0.0861	INFERIDA	22
0009	0046	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0009	0046	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0009	0046	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0009	0046	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0009	0047	0036	750.0000	1950.0000	97.5000	0.0500	INDICADA	36
0009	0047	0037	750.0000	1950.0000	97.5000	0.0500	MEDIDA	38
0009	0047	0038	750.0000	1950.0000	97.5000	0.0500	MEDIDA	37
0009	0047	0039	750.0000	1950.0000	97.5000	0.0500	INDICADA	35
0009	0047	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0009	0047	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0009	0047	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0009	0047	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0009	0047	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0009	0047	0053	750.0000	1950.0000	97.5000	0.0500	INDICADA	31
0009	0047	0054	750.0000	1950.0000	97.5000	0.0500	INDICADA	31
0009	0047	0055	750.0000	1950.0000	97.5000	0.0500	MEDIDA	28
0009	0047	0056	750.0000	1950.0000	97.5000	0.0500	INDICADA	19
0009	0047	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0009	0047	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0009	0048	0038	750.0000	1950.0000	97.5000	0.0500	INDICADA	37
0009	0048	0039	750.0000	1950.0000	97.5000	0.0500	INDICADA	34
0009	0048	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	28
0009	0048	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	19
0009	0048	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0009	0048	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0009	0048	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	42
0009	0048	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	43
0009	0048	0054	750.0000	1950.0000	97.5000	0.0500	INDICADA	41
0009	0048	0055	750.0000	1950.0000	97.5000	0.0500	INDICADA	32
0009	0048	0056	750.0000	1950.0000	97.5000	0.0500	INDICADA	23
0009	0048	0057	750.0000	1950.0000	97.5000	0.0500	INDICADA	13
0009	0048	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0009	0049	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0009	0049	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0009	0049	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0009	0049	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0009	0049	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	19
0009	0049	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0009	0049	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	40
0009	0049	0054	750.0000	1950.0000	97.5000	0.0500	INDICADA	38
0009	0049	0055	750.0000	1950.0000	97.5000	0.0500	INDICADA	29
0009	0049	0056	750.0000	1950.0000	97.5000	0.0500	INDICADA	19
0009	0049	0057	750.0000	1950.0000	97.5000	0.0500	INDICADA	11
0009	0049	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0009	0049	0059	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0009	0050	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0009	0050	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0009	0050	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	28
0009	0050	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0009	0050	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0009	0050	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0009	0050	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0009	0050	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0009	0050	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0009	0051	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0009	0051	0051	750.0000	1950.0000	113.2644	0.0581	INFERIDA	21
0009	0051	0052	750.0000	1950.0000	112.3066	0.0576	INFERIDA	22
0009	0051	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0009	0051	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0009	0052	0048	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0009	0052	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0009	0052	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0009	0052	0051	750.0000	1950.0000	128.6016	0.0659	INFERIDA	17
0009	0052	0052	750.0000	1950.0000	122.4968	0.0628	INFERIDA	21

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0009	0052	0053	750.0000	1950.0000	126.8505	0.0651	INFERIDA	15
0009	0052	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0009	0052	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0009	0053	0047	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0009	0053	0048	750.0000	1950.0000	97.5000	0.0500	INFERIDA	20
0009	0053	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0009	0053	0050	750.0000	1950.0000	97.5000	0.0500	INDICADA	12
0009	0053	0051	750.0000	1950.0000	190.1635	0.0975	INFERIDA	24
0009	0053	0052	750.0000	1950.0000	232.4962	0.1192	INFERIDA	19
0009	0053	0053	750.0000	1950.0000	237.4344	0.1218	INFERIDA	11
0009	0053	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0009	0054	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0009	0054	0047	750.0000	1950.0000	97.5000	0.0500	INFERIDA	20
0009	0054	0048	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0009	0054	0049	750.0000	1950.0000	105.0284	0.0539	INDICADA	20
0009	0054	0050	750.0000	1950.0000	97.5000	0.0500	INDICADA	22
0009	0054	0051	750.0000	1950.0000	224.6909	0.1152	INFERIDA	23
0009	0054	0052	750.0000	1950.0000	385.6714	0.1978	INFERIDA	12
0009	0054	0053	750.0000	1950.0000	460.7670	0.2363	INFERIDA	5
0009	0054	0054	750.0000	1950.0000	1638.0000	0.8400	INFERIDA	1
0009	0055	0047	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0009	0055	0048	750.0000	1950.0000	294.2970	0.1509	INFERIDA	35
0009	0055	0049	750.0000	1950.0000	284.3142	0.1458	INFERIDA	32
0009	0055	0050	750.0000	1950.0000	175.5057	0.0900	INFERIDA	24
0009	0055	0051	750.0000	1950.0000	146.0448	0.0749	INFERIDA	20
0009	0055	0052	750.0000	1950.0000	198.4353	0.1018	INFERIDA	11
0009	0055	0053	750.0000	1950.0000	888.7170	0.4558	INFERIDA	2
0009	0056	0048	750.0000	1950.0000	447.5843	0.2295	INFERIDA	18
0009	0056	0049	750.0000	1950.0000	403.1866	0.2068	INFERIDA	17
0009	0056	0050	750.0000	1950.0000	224.5505	0.1152	INFERIDA	14
0009	0056	0051	750.0000	1950.0000	141.2451	0.0724	INFERIDA	10
0009	0056	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0009	0057	0049	750.0000	1950.0000	217.6717	0.1116	INFERIDA	12
0009	0057	0050	750.0000	1950.0000	157.0062	0.0805	INFERIDA	10
0009	0057	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0009	0057	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0010	0032	0043	750.0000	1950.0000	141.4951	0.0726	INFERIDA	11
0010	0032	0044	750.0000	1950.0000	128.6435	0.0660	INFERIDA	9
0010	0032	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0010	0033	0041	750.0000	1950.0000	393.8500	0.2020	INFERIDA	7
0010	0033	0042	750.0000	1950.0000	464.8613	0.2384	INFERIDA	22
0010	0033	0043	750.0000	1950.0000	231.7745	0.1189	INFERIDA	18
0010	0033	0044	750.0000	1950.0000	172.9645	0.0887	INDICADA	15
0010	0033	0045	750.0000	1950.0000	122.7943	0.0630	INFERIDA	10
0010	0033	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0010	0034	0041	750.0000	1950.0000	662.7662	0.3399	INFERIDA	17

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0010	0034	0042	750.0000	1950.0000	446.1120	0.2288	INFERIDA	24
0010	0034	0043	750.0000	1950.0000	329.7119	0.1691	INDICADA	21
0010	0034	0044	750.0000	1950.0000	154.5029	0.0792	INDICADA	16
0010	0034	0045	750.0000	1950.0000	125.8994	0.0646	INDICADA	11
0010	0034	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0010	0035	0042	750.0000	1950.0000	257.2079	0.1319	INFERIDA	18
0010	0035	0043	750.0000	1950.0000	213.0850	0.1093	INFERIDA	17
0010	0035	0044	750.0000	1950.0000	163.8889	0.0840	INFERIDA	14
0010	0035	0045	750.0000	1950.0000	126.4852	0.0649	INFERIDA	9
0010	0035	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0010	0036	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0010	0038	0042	750.0000	1950.0000	604.5000	0.3100	INFERIDA	1
0010	0038	0043	750.0000	1950.0000	213.3106	0.1094	INFERIDA	5
0010	0038	0044	750.0000	1950.0000	195.6096	0.1003	INFERIDA	6
0010	0038	0045	750.0000	1950.0000	274.9956	0.1410	INFERIDA	3
0010	0039	0042	750.0000	1950.0000	363.3174	0.1863	INFERIDA	2
0010	0039	0043	750.0000	1950.0000	203.4163	0.1043	INFERIDA	6
0010	0039	0044	750.0000	1950.0000	181.4031	0.0930	INFERIDA	8
0010	0039	0045	750.0000	1950.0000	197.2580	0.1012	INFERIDA	6
0010	0040	0043	750.0000	1950.0000	275.9381	0.1415	INFERIDA	3
0010	0040	0044	750.0000	1950.0000	209.2723	0.1073	INFERIDA	5
0010	0046	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0010	0046	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	28
0010	0046	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0010	0046	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0010	0046	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0010	0046	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0010	0046	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0010	0046	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0010	0046	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0010	0046	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0010	0046	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0010	0047	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0010	0047	0037	750.0000	1950.0000	97.5000	0.0500	INDICADA	35
0010	0047	0038	750.0000	1950.0000	97.5000	0.0500	MEDIDA	37
0010	0047	0039	750.0000	1950.0000	97.5000	0.0500	MEDIDA	38
0010	0047	0040	750.0000	1950.0000	97.5000	0.0500	INDICADA	36
0010	0047	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	32
0010	0047	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	25
0010	0047	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0010	0047	0052	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0010	0047	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0010	0047	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0010	0047	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0010	0047	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0010	0048	0038	750.0000	1950.0000	97.5000	0.0500	INDICADA	37

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0010	0048	0039	750.0000	1950.0000	97.5000	0.0500	INDICADA	37
0010	0048	0040	750.0000	1950.0000	97.5000	0.0500	INDICADA	35
0010	0048	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0010	0048	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	23
0010	0048	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0010	0048	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0010	0048	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0010	0048	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	14
0010	0048	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0010	0048	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0010	0049	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0010	0049	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0010	0049	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0010	0049	0053	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0010	0049	0054	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0010	0049	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0010	0049	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0010	0049	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0010	0049	0058	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0010	0050	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0010	0050	0056	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0010	0050	0057	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0010	0053	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0010	0053	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0010	0053	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0010	0054	0048	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0010	0054	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0010	0054	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0010	0054	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0010	0055	0049	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0010	0055	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0010	0055	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0010	0056	0050	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0010	0056	0051	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0011	0033	0043	750.0000	1950.0000	129.5310	0.0664	INFERIDA	8
0011	0033	0044	750.0000	1950.0000	131.9892	0.0677	INFERIDA	7
0011	0033	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0011	0034	0043	750.0000	1950.0000	123.3919	0.0633	INFERIDA	10
0011	0034	0044	750.0000	1950.0000	124.2923	0.0637	INFERIDA	9
0011	0034	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0011	0034	0046	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0011	0035	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0011	0035	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0011	0035	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	3
0011	0046	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0011	0046	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0011	0046	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0011	0046	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	32
0011	0046	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	30
0011	0046	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0011	0046	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0011	0047	0036	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0011	0047	0037	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0011	0047	0038	750.0000	1950.0000	97.5000	0.0500	INDICADA	33
0011	0047	0039	750.0000	1950.0000	97.5000	0.0500	MEDIDA	37
0011	0047	0040	750.0000	1950.0000	97.5000	0.0500	MEDIDA	38
0011	0047	0041	750.0000	1950.0000	97.5000	0.0500	MEDIDA	37
0011	0047	0042	750.0000	1950.0000	97.5000	0.0500	INDICADA	35
0011	0047	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0011	0047	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	15
0011	0047	0055	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0011	0048	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	32
0011	0048	0039	750.0000	1950.0000	97.5000	0.0500	INDICADA	35
0011	0048	0040	750.0000	1950.0000	97.5000	0.0500	INDICADA	37
0011	0048	0041	750.0000	1950.0000	97.5000	0.0500	INDICADA	36
0011	0048	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	33
0011	0048	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	25
0011	0048	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0011	0049	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	25
0011	0049	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0011	0049	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0011	0049	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0011	0049	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0012	0046	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0012	0046	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	23
0012	0046	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	29
0012	0046	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	32
0012	0046	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	28
0012	0046	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0012	0046	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0012	0047	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0012	0047	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0012	0047	0040	750.0000	1950.0000	97.5000	0.0500	INDICADA	36
0012	0047	0041	750.0000	1950.0000	97.5000	0.0500	MEDIDA	37
0012	0047	0042	750.0000	1950.0000	97.5000	0.0500	MEDIDA	32
0012	0047	0043	750.0000	1950.0000	97.5000	0.0500	INDICADA	25
0012	0047	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0012	0047	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0012	0048	0038	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0012	0048	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	31
0012	0048	0040	750.0000	1950.0000	97.5000	0.0500	INDICADA	35
0012	0048	0041	750.0000	1950.0000	97.5000	0.0500	INDICADA	36

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0012	0048	0042	750.0000	1950.0000	97.5000	0.0500	INDICADA	31
0012	0048	0043	750.0000	1950.0000	97.5000	0.0500	INDICADA	24
0012	0048	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0012	0048	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0012	0049	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0012	0049	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	24
0012	0049	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0012	0049	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	26
0012	0049	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	19
0012	0049	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0013	0046	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	20
0013	0046	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	27
0013	0046	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	23
0013	0046	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	18
0013	0046	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0013	0046	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0013	0047	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	19
0013	0047	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	29
0013	0047	0041	750.0000	1950.0000	97.5000	0.0500	INDICADA	30
0013	0047	0042	750.0000	1950.0000	97.5000	0.0500	MEDIDA	26
0013	0047	0043	750.0000	1950.0000	97.5000	0.0500	MEDIDA	21
0013	0047	0044	750.0000	1950.0000	97.5000	0.0500	INDICADA	15
0013	0047	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0013	0048	0039	750.0000	1950.0000	97.5000	0.0500	INFERIDA	17
0013	0048	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	28
0013	0048	0041	750.0000	1950.0000	97.5000	0.0500	INDICADA	30
0013	0048	0042	750.0000	1950.0000	97.5000	0.0500	INDICADA	26
0013	0048	0043	750.0000	1950.0000	97.5000	0.0500	INDICADA	21
0013	0048	0044	750.0000	1950.0000	97.5000	0.0500	INDICADA	15
0013	0048	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0013	0049	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0013	0049	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	22
0013	0049	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0013	0049	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0013	0049	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0013	0049	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0014	0046	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0014	0046	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	16
0014	0046	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0014	0046	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0014	0046	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0014	0047	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	12
0014	0047	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	21
0014	0047	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	19
0014	0047	0043	750.0000	1950.0000	97.5000	0.0500	INDICADA	16
0014	0047	0044	750.0000	1950.0000	97.5000	0.0500	INDICADA	11

MINERAIS DO PARANA S.A.

RELATORIO DOS VOLUMES DO MODELO DE BLOCOS DA JAZIDA

PROJETO.....: OURO

AREA.....: RIO DO OURO

NOME DA JAZIDA.....: RIODOURO LOCALIZACAO GEOGRAFICA.....: MORRETES

ELEMENTO QUIMICO...: OURO

Nivel	Linha	Coluna	Volume	Tonelagem	Minerio Contido	Teor Medio	Reserva	Amostras
0014	0047	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0014	0048	0040	750.0000	1950.0000	97.5000	0.0500	INFERIDA	7
0014	0048	0041	750.0000	1950.0000	97.5000	0.0500	INFERIDA	20
0014	0048	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	19
0014	0048	0043	750.0000	1950.0000	97.5000	0.0500	INDICADA	15
0014	0048	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	11
0014	0048	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0014	0049	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	13
0014	0049	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	10
0014	0049	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	6
0015	0046	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0015	0046	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	4
0015	0046	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	2
0015	0047	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	9
0015	0047	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0015	0047	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0015	0047	0045	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1
0015	0048	0042	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0015	0048	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	8
0015	0048	0044	750.0000	1950.0000	97.5000	0.0500	INFERIDA	5
0015	0049	0043	750.0000	1950.0000	97.5000	0.0500	INFERIDA	1

ANEXO VI. RELATÓRIO DA TOTALIZAÇÃO DAS RESERVAS POR NÍVEIS HORIZONTAIS.

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0001
Cota Maxima do nivel...: 79.00
Cota Minima do nivel...: 69.00

TEOR DE CORTE) 0.00

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	16426.8720	42709.8673	3747.5556	0.0877	41
INDICADA	4833.3233	12566.6405	1261.6154	0.1004	13
MEDIDA	3952.4953	10276.4878	1035.5579	0.1008	8

TEOR DE CORTE) 0.10

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	6116.7680	15903.5967	1959.4813	0.1232	16
INDICADA	2547.1806	6622.6696	789.1625	0.1192	8
MEDIDA	2151.7749	5594.6148	695.7588	0.1244	5

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0002
Cota Maxima do nivel...: 69.00
Cota Minima do nivel...: 59.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	52464.5373	136407.7971	18676.6232	0.1369	109
INDICADA	23005.0852	59813.2215	19251.8330	0.3219	63
MEDIDA	18841.6714	48988.3455	10088.5645	0.2059	44

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	21882.3406	56894.0855	13802.2812	0.2426	55
INDICADA	16408.4192	42661.8900	17935.8727	0.4204	48
MEDIDA	8657.3285	22509.0540	8715.3240	0.3872	26

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	3269.6394	8501.0623	5712.2478	0.6719	20
INDICADA	6587.3983	17127.2357	13222.4456	0.7720	25
MEDIDA	3416.5559	8883.0453	5977.2208	0.6729	13

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	878.2940	2283.5645	2596.9077	1.1372	8
INDICADA	2725.5109	7086.3283	7879.9918	1.1120	15
MEDIDA	972.1472	2527.5827	2669.1552	1.0560	4

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	406.7989	1057.6772	1600.3099	1.5130	4
INDICADA	1566.2596	4072.2750	5349.8035	1.3137	10
MEDIDA	578.4490	1503.9674	1720.6309	1.1441	3

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0003
Cota Maxima do nivel...: 59.00
Cota Minima do nivel...: 49.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	109407.9383	284460.6397	87684.5900	0.3082	171
INDICADA	74987.3420	194967.0892	85159.1372	0.4368	124
MEDIDA	24064.9183	62568.7875	66561.0542	1.0638	52

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	58406.4474	151856.7633	79920.4893	0.5263	91
INDICADA	53294.9945	138566.9858	81924.3434	0.5912	93
MEDIDA	20493.7411	53283.7269	66056.2635	1.2397	46

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	28539.0636	74201.5654	64916.9522	0.8749	46
INDICADA	28340.4034	73685.0489	67003.6395	0.9093	51
MEDIDA	14968.4344	38917.9295	63077.1204	1.6208	36

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	15128.4994	39334.0983	47704.5481	1.2128	26
INDICADA	17260.0760	44876.1975	51602.1151	1.1499	35
MEDIDA	12974.5278	33733.7723	59884.7748	1.7752	31

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	8377.1911	21780.6968	33880.4216	1.5555	16
INDICADA	9808.4214	25501.8955	35111.1936	1.3768	21
MEDIDA	11835.5309	30772.3803	57336.5196	1.8632	27

---------- TEOR DE CORTE) 2.34 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	458.6973	1192.6130	3397.7753	2.8490	1
MEDIDA	2056.7081	5347.4412	15340.3646	2.8687	3

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0004
Cota Maxima do nivel...: 49.00
Cota Minima do nivel...: 39.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	156315.5088	406420.3228	179991.1473	0.4429	227
INDICADA	57161.0257	148618.6668	134788.8603	0.9069	99
MEDIDA	35220.0522	91572.1357	88491.3011	0.9664	66

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	99835.5160	259572.3417	171919.2616	0.6623	150
INDICADA	52040.0049	135304.0128	133892.5112	0.9896	92
MEDIDA	32220.0522	83772.1357	87934.7727	1.0497	62

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	53767.5045	139795.5116	147178.6941	1.0528	80
INDICADA	40238.7265	104620.6889	126936.5330	1.2133	72
MEDIDA	26851.6454	69814.2781	85632.2923	1.2266	53

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	37126.0870	96527.8263	123343.0576	1.2778	56
INDICADA	33258.7359	86472.7133	117158.0193	1.3549	59
MEDIDA	20816.4259	54122.7073	77291.5571	1.4281	40

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	18455.3085	47983.8020	84624.2364	1.7636	27
INDICADA	26350.1385	68510.3601	101339.8548	1.4792	47
MEDIDA	15111.4490	39289.7675	65219.7449	1.6600	30

---------- TEOR DE CORTE) 2.34 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	3000.0000	7800.0000	26919.8760	3.4513	4
INDICADA	1978.8545	5145.0218	16734.0591	3.2525	6
MEDIDA	1294.6486	3366.0864	13273.7729	3.9434	5

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0005
Cota Maxima do nivel...: 39.00
Cota Minima do nivel...: 29.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	150743.3865	391932.8049	206820.9649	0.5277	244
INDICADA	87554.6312	227642.0410	207767.6575	0.9127	136
MEDIDA	40982.2484	106553.8457	98344.1703	0.9230	65

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	108562.2766	282261.9191	200770.3658	0.7113	181
INDICADA	86804.6312	225692.0410	207651.1169	0.9201	135
MEDIDA	40302.1856	104785.6826	98185.7144	0.9370	64

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	57978.2014	150743.3237	172787.6087	1.1462	103
INDICADA	68606.8302	178377.7584	195311.8666	1.0949	106
MEDIDA	31252.7198	81257.0716	92310.0848	1.1360	50

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	34153.8259	88799.9472	139835.6612	1.5747	62
INDICADA	44952.3184	116876.0278	160211.0863	1.3708	67
MEDIDA	22439.3868	58342.4056	79378.4323	1.3606	37

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	19929.9710	51817.9245	108342.1865	2.0908	40
INDICADA	26777.9545	69622.6817	120479.8227	1.7305	42
MEDIDA	11497.7312	29894.1012	56018.3999	1.8739	20

---------- TEOR DE CORTE) 2.34 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	7177.4296	18661.3169	59994.5878	3.2149	17
INDICADA	5339.4827	13882.6550	44279.9709	3.1896	9
MEDIDA	3762.1064	9781.4765	28109.5774	2.8738	9

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0006
Cota Maxima do nivel...: 29.00
Cota Minima do nivel...: 19.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	170053.8069	442139.8979	258706.4532	0.5851	228
INDICADA	90000.0000	234000.0000	153399.2449	0.6556	120
MEDIDA	37500.0000	97500.0000	67574.9663	0.6931	50

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	129750.0000	337350.0000	252665.1965	0.7490	173
INDICADA	87000.0000	226200.0000	152905.4759	0.6760	116
MEDIDA	35250.0000	91650.0000	67133.3901	0.7325	47

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	71250.0000	185250.0000	214781.3633	1.1594	95
INDICADA	60000.0000	156000.0000	134508.5374	0.8622	80
MEDIDA	21750.0000	56550.0000	58561.2989	1.0356	29

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	42000.0000	109200.0000	175853.0404	1.6104	56
INDICADA	28500.0000	74100.0000	91826.5353	1.2392	38
MEDIDA	11250.0000	29250.0000	44620.2008	1.5255	15

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	21750.0000	56550.0000	132495.0142	2.3430	29
INDICADA	12000.0000	31200.0000	55974.3938	1.7941	16
MEDIDA	6000.0000	15600.0000	33367.5482	2.1389	8

---------- TEOR DE CORTE) 2.34 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	8250.0000	21450.0000	79398.4421	3.7016	11
INDICADA	4500.0000	11700.0000	33641.3694	2.8753	6
MEDIDA	3000.0000	7800.0000	22474.9728	2.8814	4

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0007
Cota Maxima do nivel...: 19.00
Cota Minima do nivel...: 9.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	158250.0000	411450.0000	222999.3307	0.5420	211
INDICADA	66000.0000	171600.0000	50848.0129	0.2963	88
MEDIDA	27750.0000	72150.0000	16488.9288	0.2285	37

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	105000.0000	273000.0000	215175.2695	0.7882	140
INDICADA	50250.0000	130650.0000	48207.9731	0.3690	67
MEDIDA	18750.0000	48750.0000	15083.8865	0.3094	25

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	64500.0000	167700.0000	190996.9666	1.1389	86
INDICADA	17250.0000	44850.0000	29361.9547	0.6547	23
MEDIDA	3750.0000	9750.0000	6107.6147	0.6264	5

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	31500.0000	81900.0000	144489.0740	1.7642	42
INDICADA	7500.0000	19500.0000	16565.9748	0.8495	10
MEDIDA	1500.0000	3900.0000	2996.1929	0.7683	2

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	18000.0000	46800.0000	115496.7762	2.4679	24
INDICADA	2250.0000	5850.0000	6557.8766	1.1210	3

---------- TEOR DE CORTE) 2.34 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	9750.0000	25350.0000	84312.8509	3.3260	13

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0008
Cota Maxima do nivel...: 9.00
Cota Minima do nivel...: -1.00

TEOR DE CORTE) 0.00

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	153750.0000	399750.0000	91422.4669	0.2287	205
INDICADA	39750.0000	103350.0000	16914.8009	0.1637	53
MEDIDA	11250.0000	29250.0000	3631.6136	0.1242	15

TEOR DE CORTE) 0.10

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	73500.0000	191100.0000	79104.0270	0.4139	98
INDICADA	18750.0000	48750.0000	13382.2139	0.2745	25
MEDIDA	2250.0000	5850.0000	2313.1485	0.3954	3

TEOR DE CORTE) 0.39

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	26250.0000	68250.0000	51786.9498	0.7588	35
INDICADA	3000.0000	7800.0000	4951.4139	0.6348	4
MEDIDA	1500.0000	3900.0000	2024.4471	0.5191	2

TEOR DE CORTE) 0.69

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	12750.0000	33150.0000	32946.4510	0.9939	17
INDICADA	750.0000	1950.0000	1509.4102	0.7741	1

TEOR DE CORTE) 1.00

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	4500.0000	11700.0000	15542.1967	1.3284	6

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0009
Cota Maxima do nivel...: -1.00
Cota Minima do nivel...: -11.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	119250.0000	310050.0000	43947.8878	0.1417	159
INDICADA	18750.0000	48750.0000	4147.1144	0.0851	25
MEDIDA	3750.0000	9750.0000	808.7864	0.0830	5

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	42000.0000	109200.0000	32112.6566	0.2941	56
INDICADA	3000.0000	7800.0000	1886.7544	0.2419	4
MEDIDA	750.0000	1950.0000	334.7873	0.1717	1

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	9750.0000	25350.0000	15489.9011	0.6110	13

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	3750.0000	9750.0000	8329.4099	0.8543	5

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	750.0000	1950.0000	2015.0904	1.0334	1

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0010
Cota Maxima do nivel...: -11.00
Cota Minima do nivel...: -21.00

TEOR DE CORTE) 0.00

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	59250.0000	154050.0000	11629.4849	0.0755	79
INDICADA	6750.0000	17550.0000	1270.5788	0.0724	9
"EDIDA	1500.0000	3900.0000	195.0000	0.0500	2

TEOR DE CORTE) 0.10

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	12000.0000	31200.0000	5207.2748	0.1669	16
INDICADA	750.0000	1950.0000	329.7119	0.1691	1

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0011
Cota Maxima do nivel...: -21.00
Cota Minima do nivel...: -31.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	23250.0000	60450.0000	3141.7044	0.0520	31
INDICADA	3750.0000	9750.0000	487.5000	0.0500	5
MEDIDA	2250.0000	5850.0000	292.5000	0.0500	3

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0012
Cota Maxima do nivel...: -31.00
Cota Minima do nivel...: -41.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	15750.0000	40950.0000	2047.5000	0.0500	21
INDICADA	4500.0000	11700.0000	585.0000	0.0500	6
MEDIDA	1500.0000	3900.0000	195.0000	0.0500	2

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0013
Cota Maxima do nivel...: -41.00
Cota Minima do nivel...: -51.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	13500.0000	35100.0000	1755.0000	0.0500	18
INDICADA	4500.0000	11700.0000	585.0000	0.0500	6
MEDIDA	1500.0000	3900.0000	195.0000	0.0500	2

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0014
Cota Maxima do nivel...: -51.00
Cota Minima do nivel...: -61.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	12750.0000	33150.0000	1657.5000	0.0500	17
INDICADA	2250.0000	5850.0000	292.5000	0.0500	3

MINERAIS DO PARANA S.A.

TOTALIZACAO DA JAZIDA POR NIVEL

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

Nivel.....: 0015
Cota Maxima do nivel...: -61.00
Cota Minima do nivel...: -71.00

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	8250.0000	21450.0000	1072.5000	0.0500	11

ANEXO VII. RELATÓRIO RESUMO DA TOTALIZAçÃO DA CUBAGEM.

MINERAIS DO PARANA S.A.

TOTALIZACAO GERAL DA JAZIDA

JAZIDA.....: RIODOURO
ELEMENTO QUIMICO...: OURO

---------- TEOR DE CORTE) 0.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	1219412.0499	3170471.3296	1135300.7091	0.3581	1772
INDICADA	483791.4073	1257857.6590	676758.8552	0.5380	750
MEDIDA	210061.3855	546159.6023	353902.4431	0.6480	351
TOTAL	1913264.8427	4974488.5910	2165962.0074	0.4354	2873

---------- TEOR DE CORTE) 0.10 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	657053.3486	1708338.7063	1052636.3035	0.6162	976
INDICADA	370845.2304	964197.5992	658905.1360	0.6834	589
MEDIDA	160825.0823	418145.2141	346453.2461	0.8285	279
TOTAL	1188723.6614	3090681.5196	2057994.6856	0.6659	1844

---------- TEOR DE CORTE) 0.39 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	315304.4089	819791.4630	863650.6835	1.0535	478
INDICADA	224023.3584	582460.7319	571296.3909	0.9808	361
MEDIDA	103489.3556	269072.3244	313690.0789	1.1658	188
TOTAL	642817.1228	1671324.5193	1748637.1533	1.0463	1027

---------- TEOR DE CORTE) 0.69 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	177286.7063	460945.4363	675098.1498	1.4646	272
INDICADA	134946.6411	350861.2669	446753.1328	1.2733	225
MEDIDA	69952.4877	181876.4679	266840.3131	1.4672	129
TOTAL	382185.8351	993683.1712	1388691.5958	1.3975	626

---------- TEOR DE CORTE) 1.00 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	92169.2694	239640.1005	493996.2318	2.0614	147
INDICADA	78752.7740	204757.2124	324812.9449	1.5863	139
MEDIDA	45023.1601	117060.2164	213662.8436	1.8252	88
TOTAL	215945.2036	561457.5292	1032472.0203	1.8389	374

---------- TEOR DE CORTE) 2.34 ----------

TipoReserva	Volume	Tonelagem	Minerio Contido	Teor Medio	Qtd. Blocos
INFERIDA	28636.1269	74453.9298	254023.5322	3.4118	46
INDICADA	11818.3372	30727.6768	94655.3994	3.0805	21
MEDIDA	10113.4631	26295.0041	79198.6876	3.0119	21
TOTAL	50567.9272	131476.6107	427877.6192	3.2544	88