

MINERAIS DO PARANÁ S/A - MINEROPAR
GERÊNCIA DE EXPLORAÇÃO - GEEX

RELATÓRIO FINAL DE PESQUISA

PROCESSO 820.229/84

PROCESSO 820.230/84

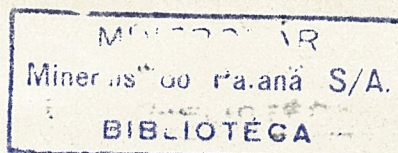
ANEXO - SÃO JOÃO

V. 2 — P. 4

CURITIBA — 1991

MINERAIS DO PARANÁ S/A - MINEROPAR

GERENCIA DE EXPLORAÇÃO - GEEX



RELATÓRIO FINAL DE PESQUISA

PROCESSO 820.229/84

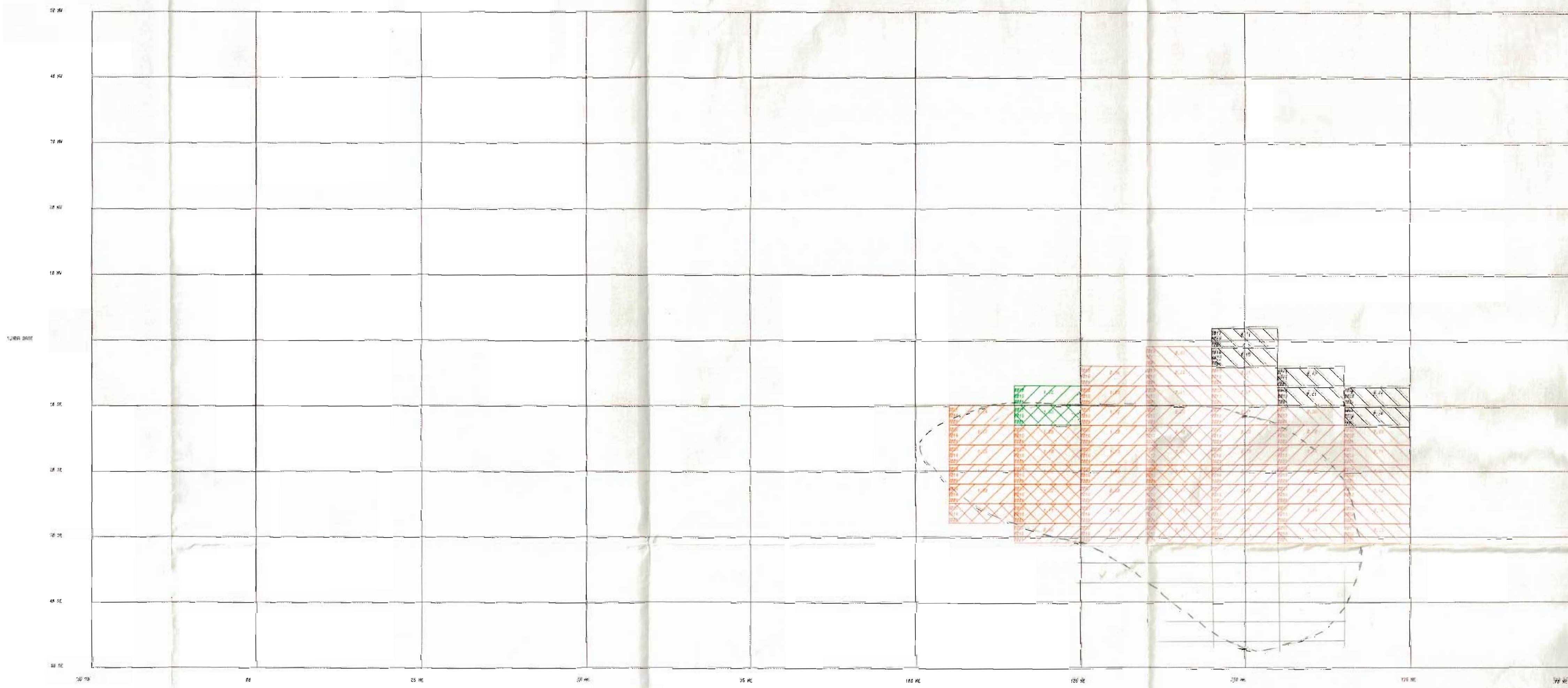
PROCESSO 820.230/84

ANEXO - SÃO JOÃO
V. 2 P. 4

Dioclécio Falcade
Gil Francisco Piekarz
Gilmar Paiva Lima
Luís Marcelo de Oliveira
Oscar Salazar Júnior
Otavio Augusto Boni Licht
Sérgio Maurus Ribas

Curitiba
1991

M
553.411
F178R
v.2 p4



N: 6 BLOCOS:
 MEDIDA: 13
 INDICADA: 125
 CUSTAR: 14

 Teor Médio:
 MEDIDA: 0,89 g/t
 INDICADA: 0,89 g/t

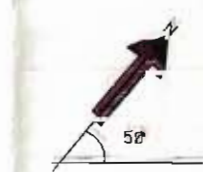
 VOZUM DE MINERIO:
 MEDIDA: $1380,3 m^3 \times 2,6 = 3068,8 t$
 INDICADA: $2467 m^3 \times 2,6 = 6414,2 t$
 CUSTAR: $2550 m^3 \times 2,6 = 6630 t$

 META CONTINUA:
 MEDIDA: 2731,23 g
 INDICADA: 5644,50 g
 9375,73 g

Lote: 10000
 Área: 10000 m²
 Escala: 1:1000

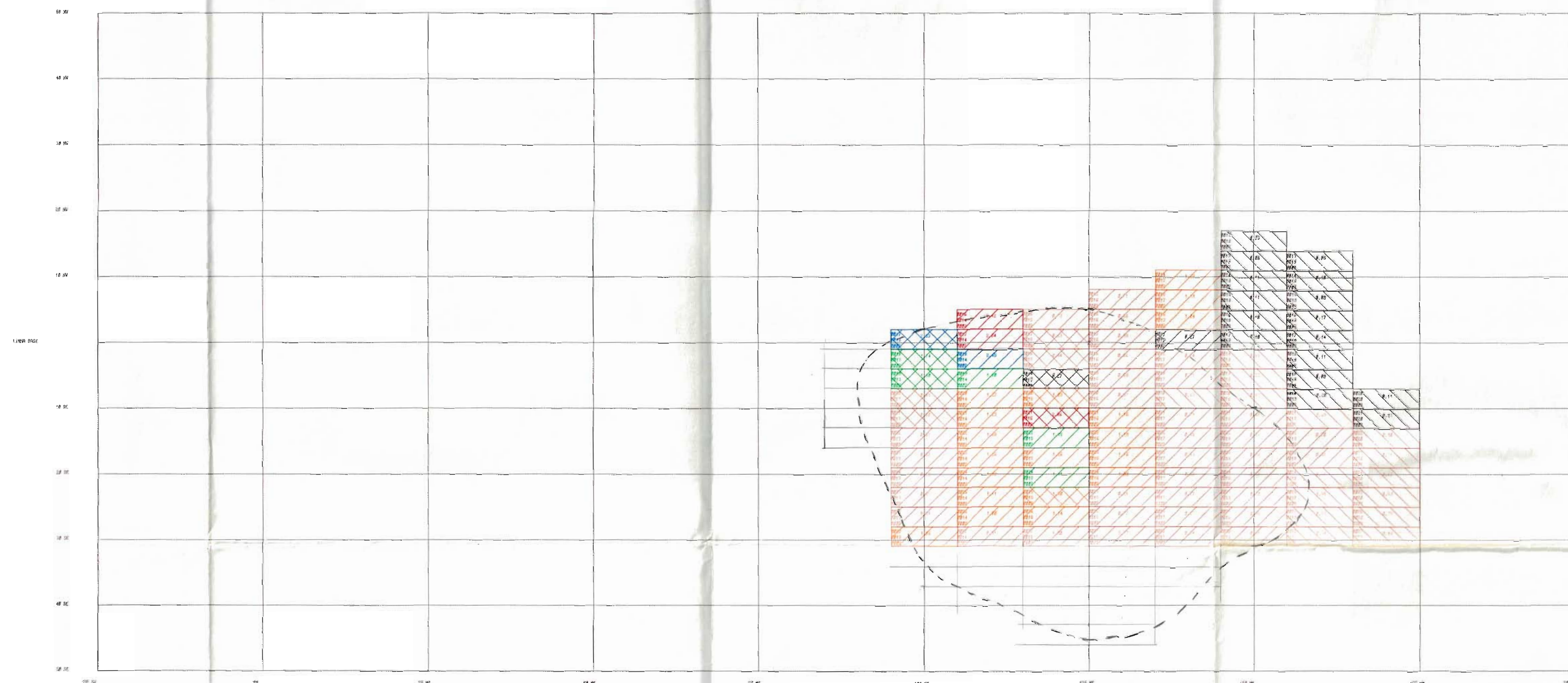
Tipo de Bloco:
 1. Bloco 1
 2. Bloco 2
 3. Bloco 3

Dimensões (m):
 > 100 < 150
 > 150 < 200
 > 200 < 250



MINEROPAR
 Mineração do Paraná S.A.

PROJETO CUBO - PROSPECTO SÃO JOÃO
 PROCESSO DNPM 820229 / 84
 LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
 NÍVEL 01 - COTA 141,09 m



Nº de Blocos
 - MEDIDA: 30
 - INDICADA: 52
 - INFURADA: 22

TEOR MÉDIO
 - MEDIDA: 1,34 g/t
 - INDICADA: 1,06 g/t

VOLUME DE MINÉRIO
 - MEDIDA: 976,0 m³ x 2,6 = 2537,6 t
 - INDICADA: 16576,8 m³ x 2,6 = 43099,7 t
 - ESTERIL: 3300 m³ x 2,6 = 8580,0 t

METAL CONTÍDUO
 - MEDIDA: 3400,38 g
 - INDICADA: 18125,61 g
 23526,06 g

LEGENDA
 Cota: 136,15 m
 Escala: 1:45
 Data: 20/04/04

LEGENDA
 Tipos de Bloco
 - Bloco 1
 - Bloco 2
 - Bloco 3

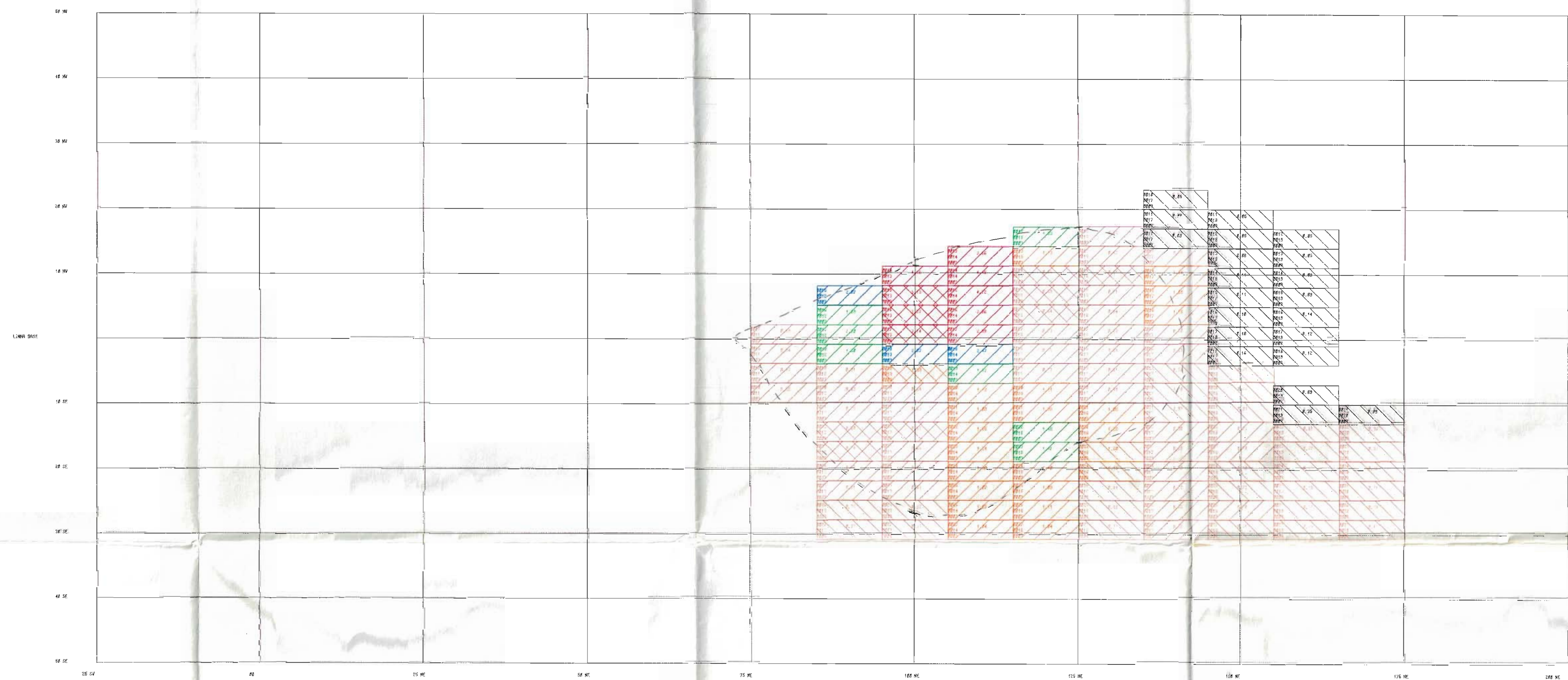
LEGENDA
 Tipos de Bloco
 - Bloco 1
 - Bloco 2
 - Bloco 3



MINEROPAR
 Mineração do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO
 PROCESSO DNPM 820229 / 84
 LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
 NÍVEL 02 - COTA 136,15 m

A.



Nº de Blocos:
 - MEDIDA: 33
 - INDICADA: 58
 - ESTERIL: 5

TEOR MÉDIO:
 - MEDIDA: 3,65 g/t
 - INDICADA: 3,39 g/t

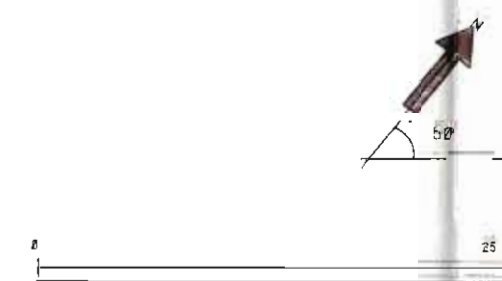
VOLUME DE MINÉRIO:
 - MEDIDA: 364,3 m³ x 2,6 = 955,54
 - INDICADA: 655,6 m³ x 2,6 = 1704,56
 - ESTERIL: 750 m³ x 2,6 = 1950

METAL CONTÍDPO:
 - MEDIDA: 5864,93 g
 - INDICADA: 23671,54 g
 - 29542,47 g

DETALHE DO BLOCO
 Linha: 100
 Coluna: 100
 Nivel: 100
 Teor: 100 g/t

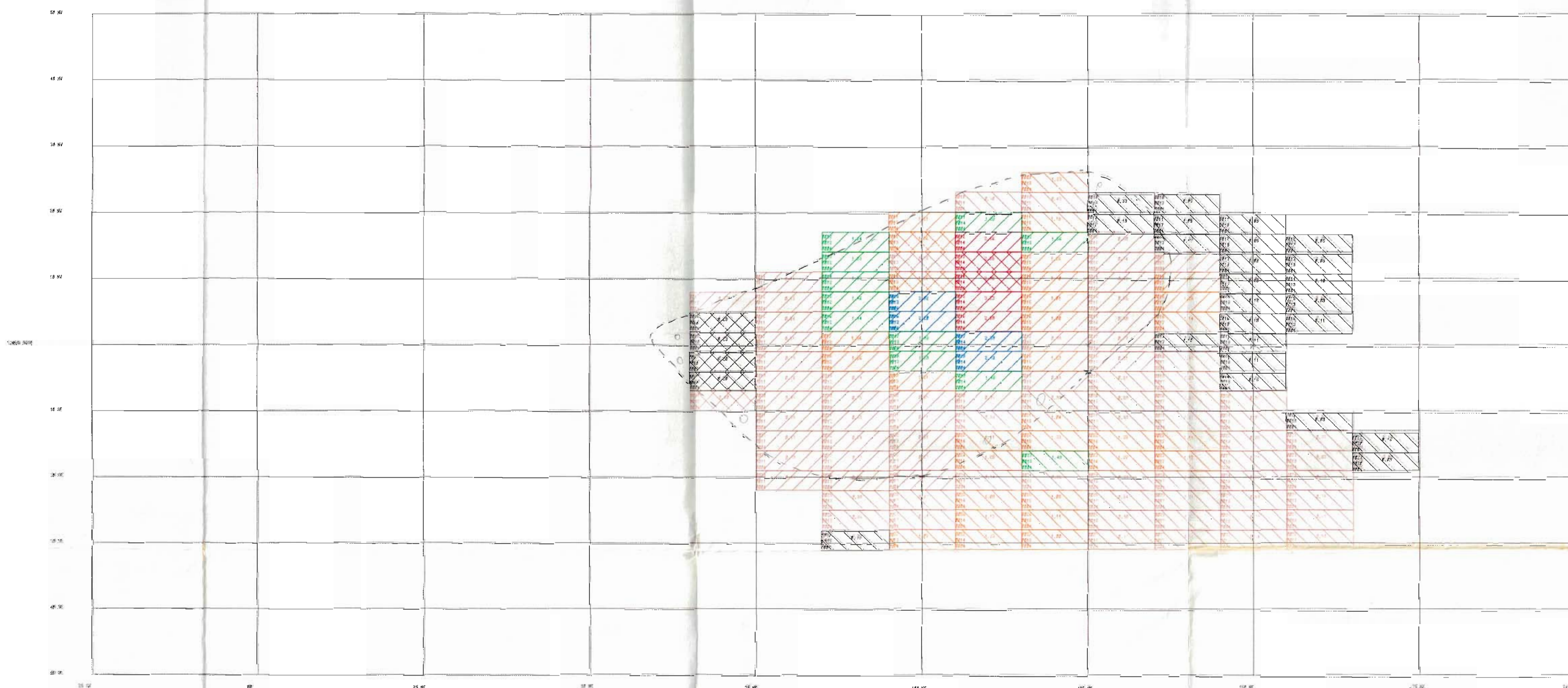
TIPO DE REDECO
 100/100
 100/100
 100/100

FAIXAS DE TEOR (Au g/t)
 > 8,00 < 8,10
 7,00 < 7,10
 6,00 < 6,10
 5,00 < 5,10
 4,00 < 4,10
 3,00 < 3,10



MINEROPAR
 Minerats do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO
 PROCESSO DNPM 820229 / 84
 LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
 NÍVEL 03 - COTA 131,46 m



Nº de Blocos
 - MODADA: 09
 - INDICADA: 55
 - ESTERIL: 13

TEOR MÉDIO:
 - MODADA: 3,10g/t
 - INDICADA: 3,5g/t

VOLÚMEN DO MINÉRIO
 - MODADA: $0,83,2m^3 \times 2,6 = 2154,32$
 - INDICADA: $239,5m^3 \times 2,6 = 622,70$
 - ESTERIL: $352,70m^3 \times 2,6 = 917,02$

METAL CONTÍNUO
 - MODADA: 231,93g
 - INDICADA: 23646,13g
 24588,06g

LEGENDA DE BLOCOS

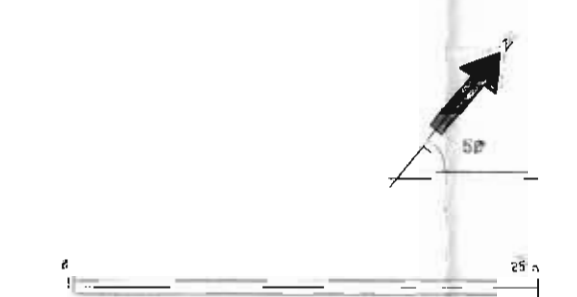
Cor	Padrão	Descrição
Verde	Diagonal	Indicada
Vermelho	Diagonal	Modada
Preto	Quadrado	Esteril

LEGENDA DE BLOCOS

Padrão	Descrição
Diagonal	Indicada
Diagonal	Modada
Quadrado	Esteril

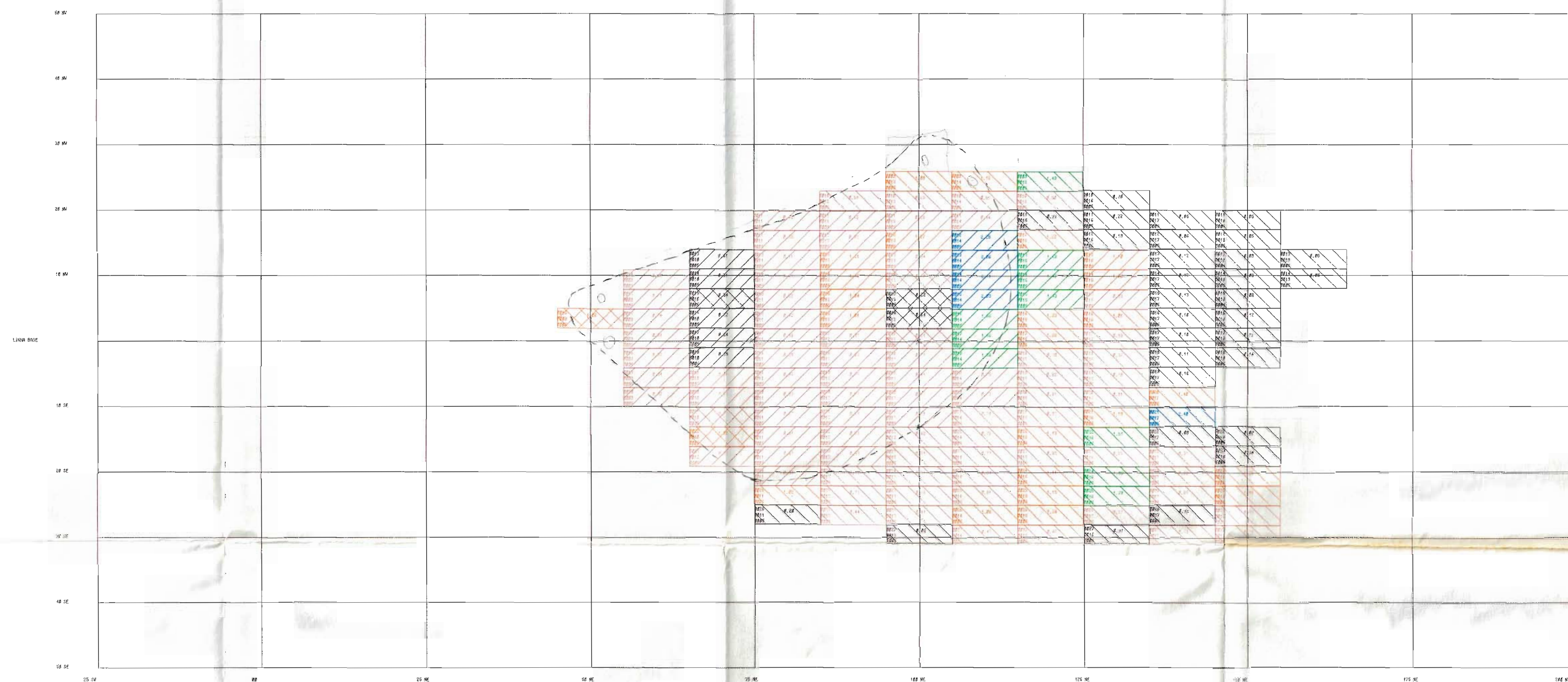
LEGENDA DE BLOCOS

Padrão	Descrição
Diagonal	Indicada
Diagonal	Modada
Quadrado	Esteril



MINEROPAR
 Mineração do Paraná S.A.

PROJETO GURU - PROSPECTO SÃO JOÃO
 PROCESSO DNPM 820229 / 84
 LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
 NÍVEL 04 = COTA 126,45 m



Nº de Blocos:
 - Medida: 08
 - Indicado: 56
 - Estéril: 09

Teor. Médio
 - Medida: 1039 g/t
 - Indicado: 985 g/t

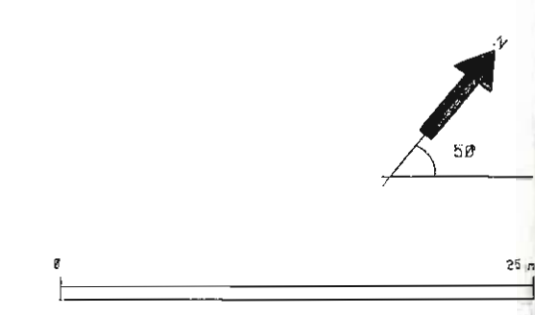
VOLUME DE MINÉRIO
 - MEDIDA: $1.943,3 \text{ m}^3 \times 2,6 = 5051,58 \text{ t}$
 - INDICADA: $1.943,3 \text{ m}^3 \times 2,6 = 5051,58 \text{ t}$
 - ESTÉRIL: $356,7 \text{ m}^3 \times 2,6 = 927,42 \text{ t}$

METAL CONTÍNUO
 - MEDIDA: 1490,0 g
 - INDICADA: 18565,5 g
 58051,5 g

LEGENDA
 Linha
 Contorno
 Bloco
 Escala: 1:45
 Trazido de: 1/15

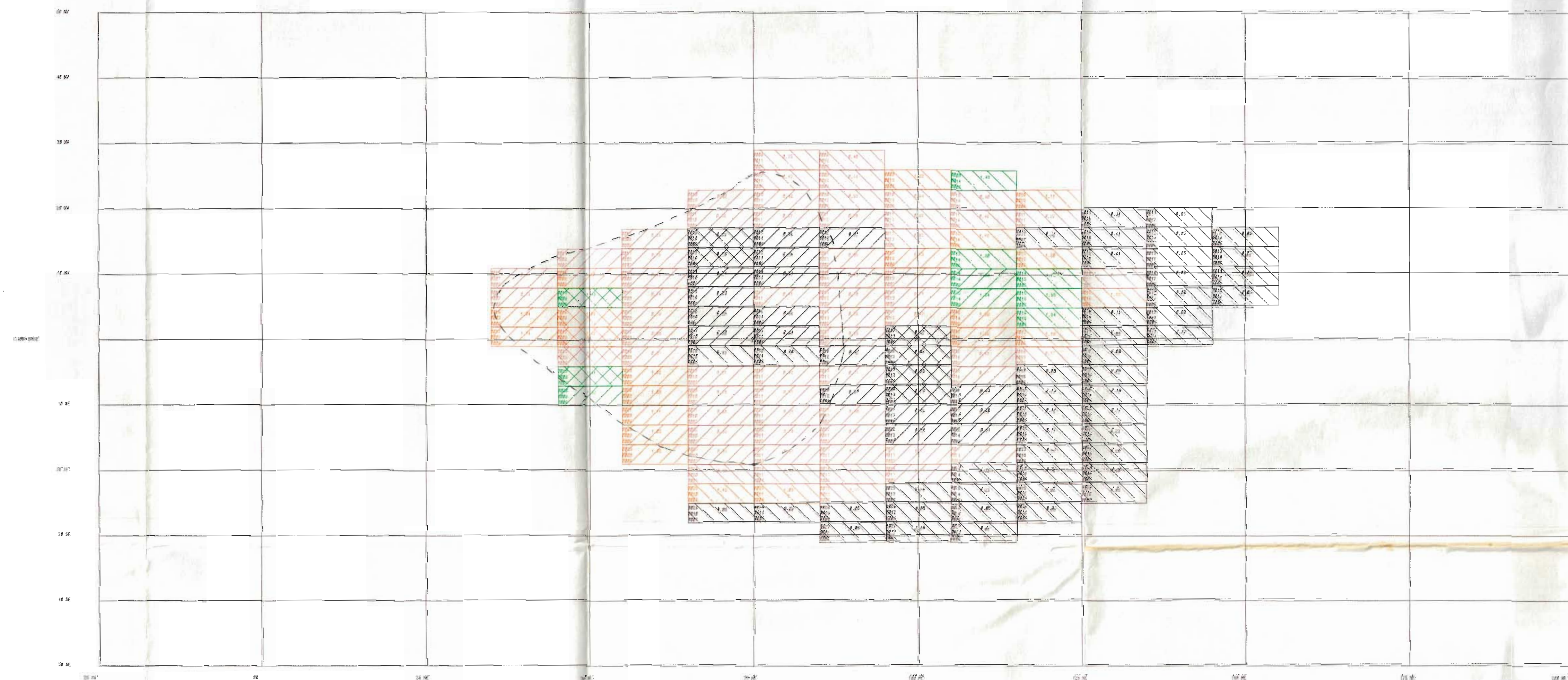
LEGENDA
 Tipo de Bloco
 Indicado
 Medida
 Estéril

LEGENDA
 Tipo de Bloco
 Indicado
 Medida
 Estéril



MINEROPAR
 Minerais do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO
 PROCESSO DNPM 820229 / 84
 LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
 NÍVEL 05 - COTA 122,51 m



Nº de Blocos

- MEDIDA: 07
- INDICADA: 41
- ESTÉRIL: 04

Teor Médio:

- MEDIDA: 0,98 g/t
- INDICADA: 0,64 g/t

VOLUME DE MINÉRIO

- MEDIDA: 894,8 m³ x 2,6 = 2326,5 t
- INDICADA: 4983,2 m³ x 2,6 = 12956,3 t
- ESTÉRIL: 508,3 m³ x 2,6 = 1321,6 t

METAL CONTIDO

- MEDIDA: 2279,97 g
- INDICADA: 8232,03 g
10512,00 g

LEGENDA

LEGENDA

LEGENDA

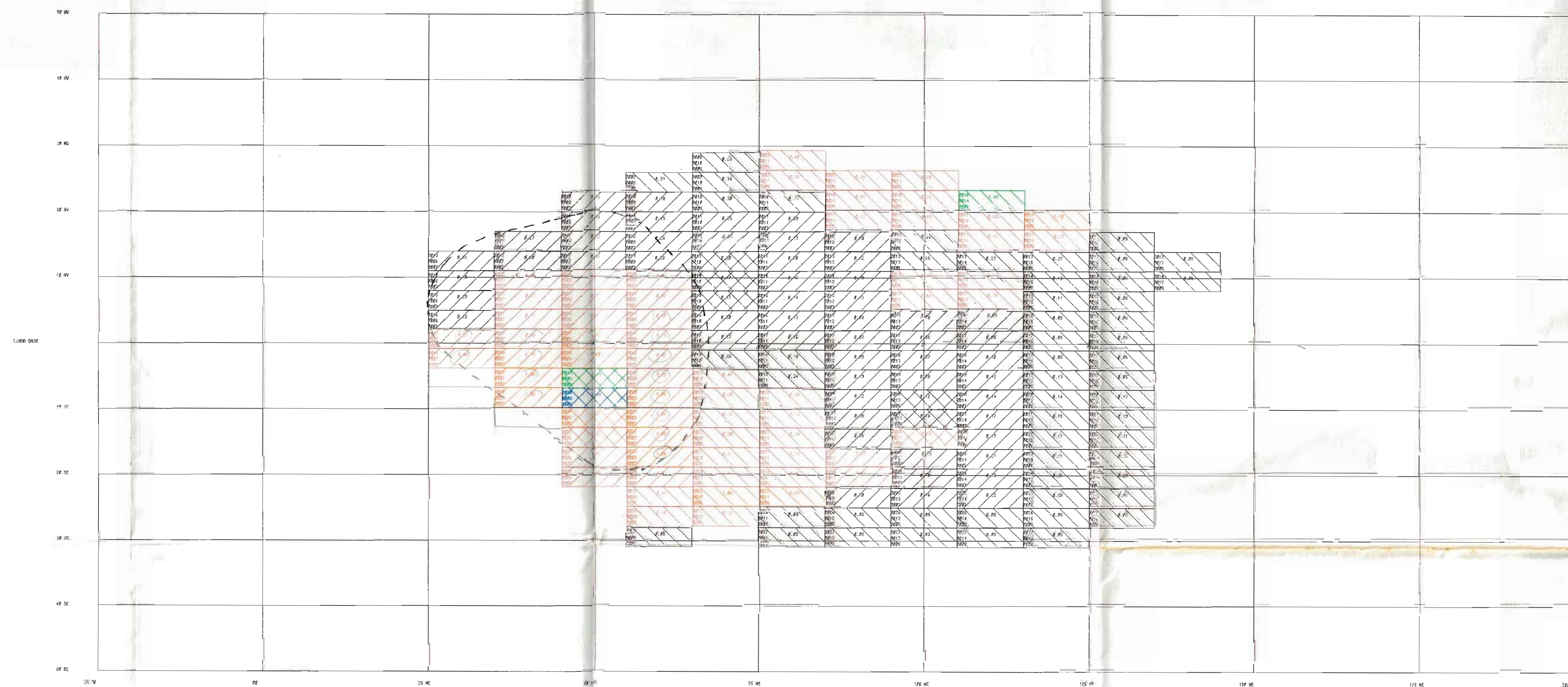
MINEROPAR
Minérios do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO

PROCESSO DNPM 620240 / 04

LOCALIZAÇÃO dos BLOCOS DE CUBAGEM

NÍVEL 06 - COTA 116,09 m



LEGENDA

Tipos de Bloco

Cor

Padrão

1:40

20m

Tipos de Bloco

Cor

Padrão

1:40

20m

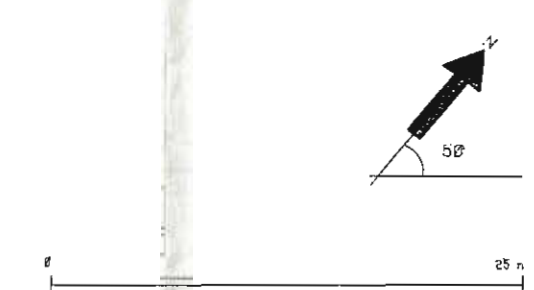
Tipos de Bloco

Cor

Padrão

1:40

20m



MIMEROPAR

Minerats do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO

PROCESSO DNPM 820229 / 84

LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM

NÍVEL 07 - COTA 112,16 m

Nº de Blocos

- MEDIDA: 04

- INDICADA: 36

- EXTERIA: 02

TEOR MÉDIO

- MEDIDA: 1,51 g/t

- INDICADA: 6,85 g/t

VOLUME DE MINÉRIO

- MEDIDA: 213,2 m³ x 2,6 = 554,32 t

- INDICADA: 498,3 m³ x 2,6 = 1295,58 t

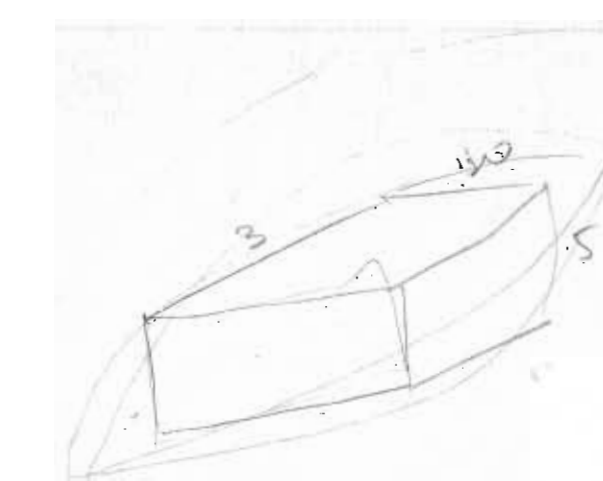
- EXTERIA: 300 m³ x 2,6 = 780 t

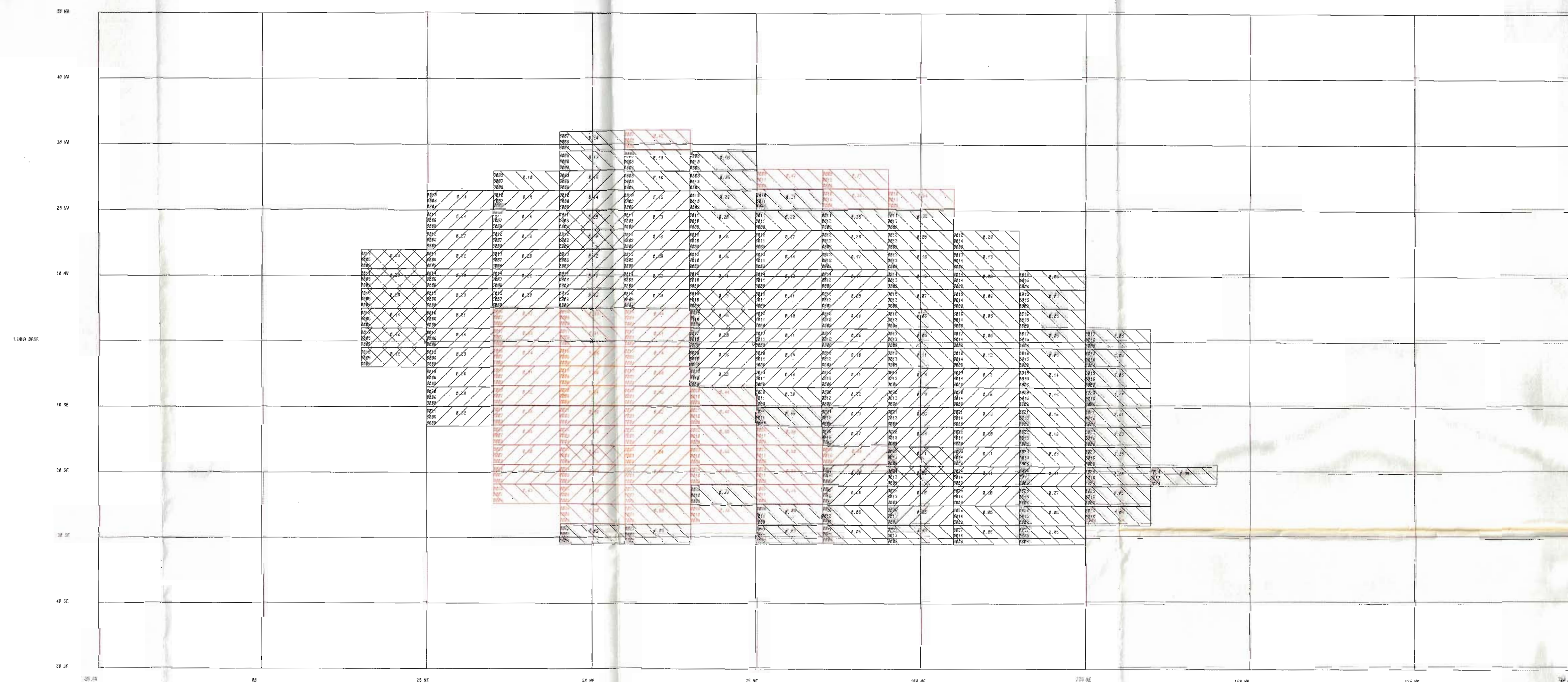
RESUMO CONTÍDUO

- MEDIDA: 3036,27 g

- INDICADA: 7677,92 g

9614,19 g





LEGENDA DO BLOCO

Letra	Valor	Notação
A	1.10	Mat. Pr.
B	1.15	Mat. Sec.
C	1.20	Mat. Ter.

TIPO DE BLOCO

	MATERIA PRIMA
	MATERIA SECUNDA
	MATERIA TERCIARIA

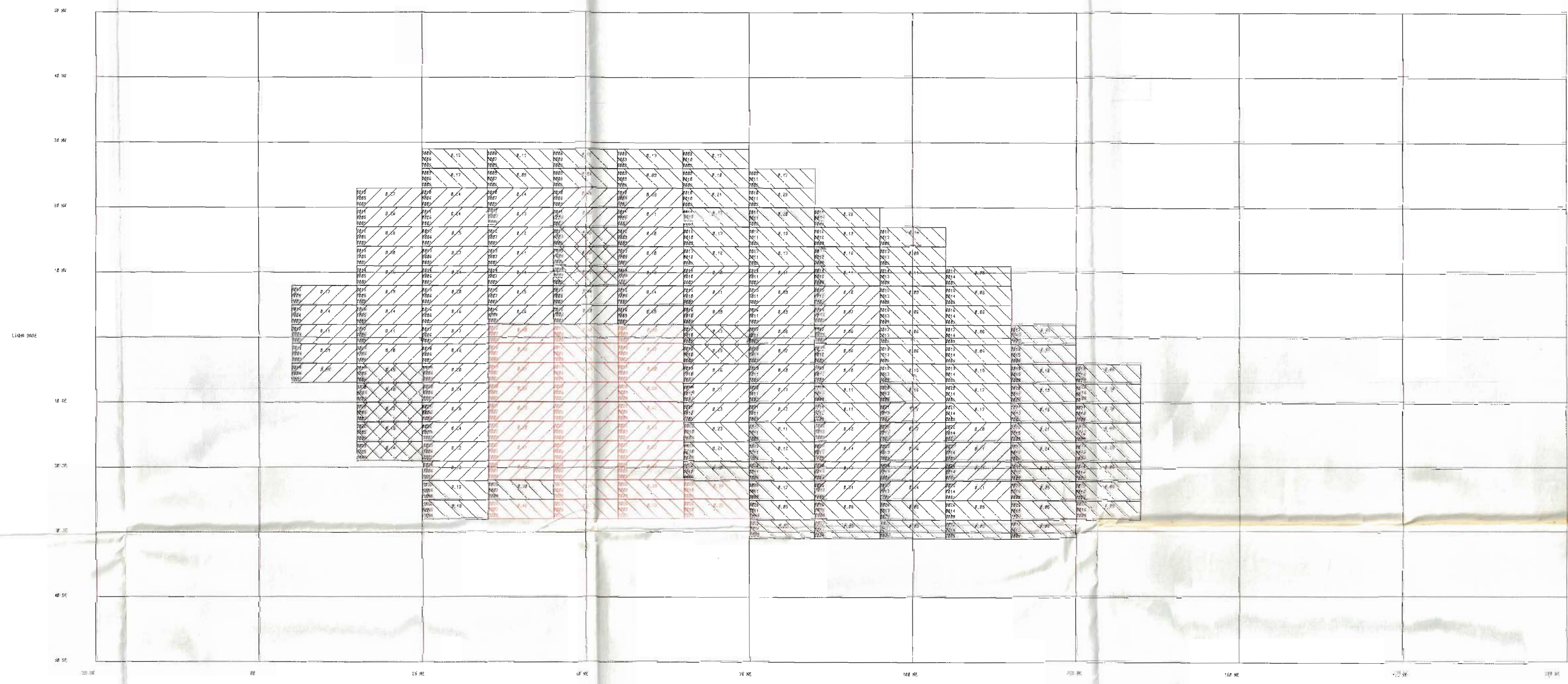
FAIXA DE TONELADA (kg/g)

> 4.00	4.00 - 6.00
6.00 - 8.00	8.00 - 10.00
10.00 - 12.00	12.00 - 14.00



MINEROPAR
Minerats do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO
PROCESSO DNPM 820229 / 84
LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
NÍVEL 08 - COTA 106.18 m

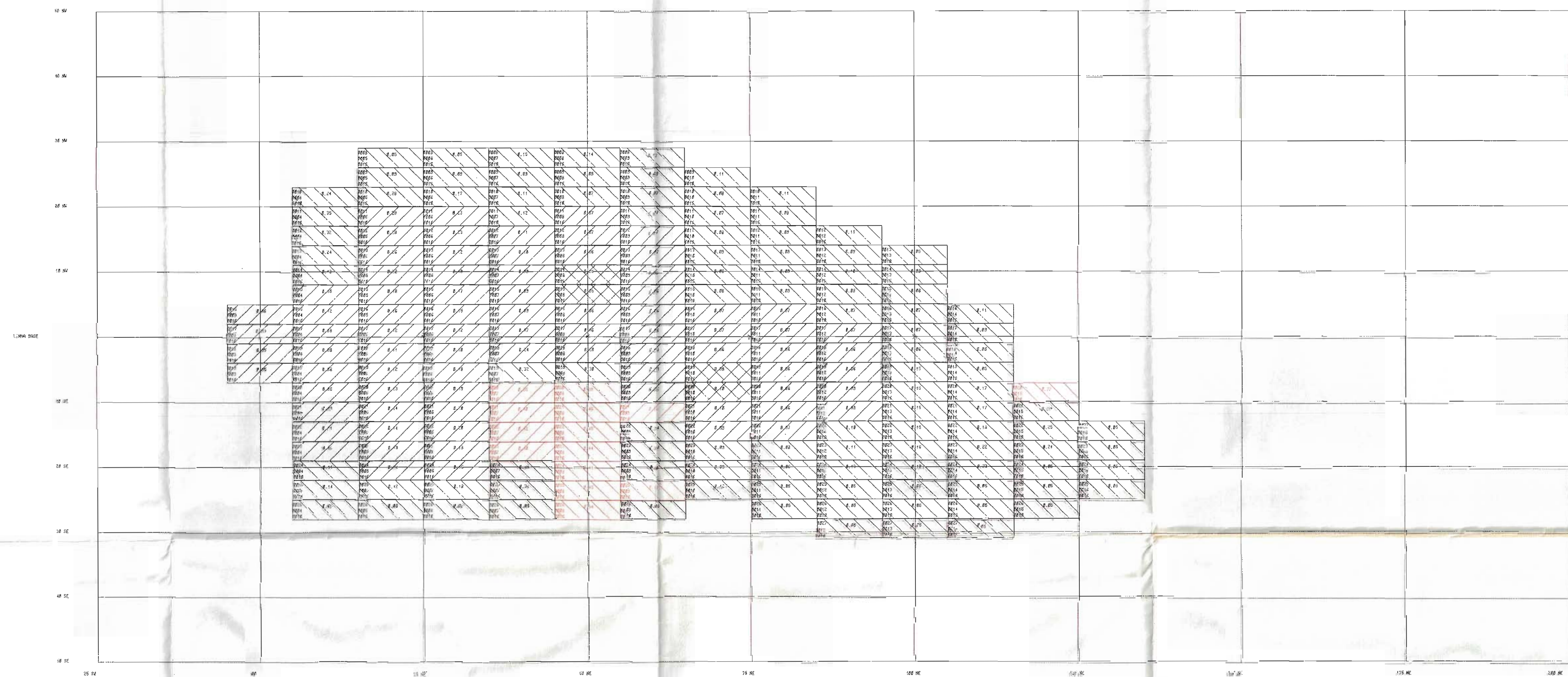


LEGENDA

Linhas	B001	1.45	1.45
Colunas	B002	1.45	1.45
Área	B003	1.45	1.45

TIPO DE BLOCOS

W001	W002	W003
W004	W005	W006
W007	W008	W009
W010	W011	W012
W013	W014	W015
W016	W017	W018
W019	W020	W021
W022	W023	W024
W025	W026	W027
W028	W029	W030
W031	W032	W033
W034	W035	W036
W037	W038	W039
W040	W041	W042
W043	W044	W045
W046	W047	W048
W049	W050	W051
W052	W053	W054
W055	W056	W057
W058	W059	W060
W061	W062	W063
W064	W065	W066
W067	W068	W069
W070	W071	W072
W073	W074	W075
W076	W077	W078
W079	W080	W081
W082	W083	W084
W085	W086	W087
W088	W089	W090
W091	W092	W093
W094	W095	W096
W097	W098	W099
W100	W101	W102
W103	W104	W105
W106	W107	W108
W109	W110	W111
W112	W113	W114
W115	W116	W117
W118	W119	W120
W121	W122	W123
W124	W125	W126
W127	W128	W129
W130	W131	W132
W133	W134	W135
W136	W137	W138
W139	W140	W141
W142	W143	W144
W145	W146	W147
W148	W149	W150
W151	W152	W153
W154	W155	W156
W157	W158	W159
W160	W161	W162
W163	W164	W165
W166	W167	W168
W169	W170	W171
W172	W173	W174
W175	W176	W177
W178	W179	W180
W181	W182	W183
W184	W185	W186
W187	W188	W189
W190	W191	W192
W193	W194	W195
W196	W197	W198
W199	W200	W201
W202	W203	W204
W205	W206	W207
W208	W209	W210
W211	W212	W213
W214	W215	W216
W217	W218	W219
W220	W221	W222
W223	W224	W225
W226	W227	W228
W229	W230	W231
W232	W233	W234
W235	W236	W237
W238	W239	W240
W241	W242	W243
W244	W245	W246
W247	W248	W249
W250	W251	W252
W253	W254	W255
W256	W257	W258
W259	W260	W261
W262	W263	W264
W265	W266	W267
W268	W269	W270
W271	W272	W273
W274	W275	W276
W277	W278	W279
W280	W281	W282
W283	W284	W285
W286	W287	W288
W289	W290	W291
W292	W293	W294
W295	W296	W297
W298	W299	W300
W301	W302	W303
W304	W305	W306
W307	W308	W309
W310	W311	W312
W313	W314	W315
W316	W317	W318
W319	W320	W321
W322	W323	W324
W325	W326	W327
W328	W329	W330
W331	W332	W333
W334	W335	W336
W337	W338	W339
W340	W341	W342
W343	W344	W345
W346	W347	W348
W349	W350	W351
W352	W353	W354
W355	W356	W357
W358	W359	W360
W361	W362	W363
W364	W365	W366
W367	W368	W369
W370	W371	W372
W373	W374	W375
W376	W377	W378
W379	W380	W381
W382	W383	W384
W385	W386	W387
W388	W389	W390
W391	W392	W393
W394	W395	W396
W397	W398	W399
W400	W401	W402
W403	W404	W405
W406	W407	W408
W409	W410	W411
W412	W413	W414
W415	W416	W417
W418	W419	W420
W421	W422	W423
W424	W425	W426
W427	W428	W429
W430	W431	W432
W433	W434	W435
W436	W437	W438
W439	W440	W441
W442	W443	W444
W445	W446	W447
W448	W449	W450
W451	W452	W453
W454	W455	W456
W457	W458	W459
W460	W461	W462
W463	W464	W465
W466	W467	W468
W469	W470	W471
W472	W473	W474
W475	W476	W477
W478	W479	W480
W481	W482	W483
W484	W485	W486
W487	W488	W489
W490	W491	W492
W493	W494	W495
W496	W497	W498
W499	W500	W501
W502	W503	W504
W505	W506	W507
W508	W509	W510
W511	W512	W513
W514	W515	W516
W517	W518	W519
W520	W521	W522
W523	W524	W525
W526	W527	W528
W529	W530	W531
W532	W533	W534
W535	W536	W537
W538	W539	W540
W541	W542	W543
W544	W545	W546
W547	W548	W549
W550	W551	W552
W553	W554	W555
W556	W557	W558
W559	W560	W561
W562	W563	W564
W565	W566	W567
W568	W569	W570
W571	W572	W573
W574	W575	W576
W577	W578	W579
W580	W581	W582
W583	W584	W585
W586	W587	W588
W589	W590	W591
W592	W593	W594
W595	W596	W597
W598	W599	W600
W601	W602	W603
W604	W605	W606
W607	W608	W609
W610	W611	W612
W613	W614	W615
W616	W617	W618
W619	W620	W621
W622	W623	W624
W625	W626	W627
W628	W629	W630
W631	W632	W633
W634	W635	W636
W637	W638	W639
W640	W641	W642
W643	W644	W645
W646	W647	W648
W649	W650	W651
W652	W653	W654
W655	W656	W657
W658	W659	W660
W661	W662	W663
W664	W665	W666
W667	W668	W669
W670	W671	W672
W673	W674	W675
W676	W677	W678
W679	W680	W681
W682	W683	W684
W685	W686	W687
W688	W689	W690
W691	W692	W693
W694	W695	W696
W697	W698	W699
W700	W701	W702
W703	W704	W705
W706	W707	W708
W709	W710	W711
W712	W713	W714
W715	W716	W717
W718	W719	W720
W721	W722	W723
W724	W725	W726
W727	W728	W729
W730	W731	W732
W733	W734	W735
W736	W737	W738
W739	W740	W741
W742	W743	W744
W745	W746	W747
W748	W749	W750
W751	W752	W753
W754	W755	W756
W757	W758	W759
W760	W761	W762
W763	W764	W765
W766	W767	W768
W769	W770	W771
W772	W773	W774
W775	W776	W777
W778	W779	W780
W781	W782	W783
W784	W785	W786
W787	W788	W789
W790	W791	W792
W793	W794	W795
W796	W797	W798
W799	W800	W801
W802	W803	W804
W805	W806	W807
W808	W809	W810
W811	W812	W813
W814	W815	W816
W817	W818	W819
W820	W821	W822
W823	W824	W825
W826	W827	W828
W829	W830	W831
W832	W833	W834
W835	W836	W837
W838	W839	W840
W841	W842	W843
W844	W845	W846
W847	W848	W849
W850	W851	W852
W853	W854	W855
W856	W857	W858
W859	W860	W861
W862	W863	W864
W865	W866	W867
W868	W869	W870
W871	W872	W873
W874	W875	W876
W877	W878	W879
W880	W881	W882
W883	W884	W885
W886	W887	W888
W889	W890	W891
W892	W893	W894
W895	W896	W897
W898	W899	W900
W901	W902	W903
W904	W905	W906
W907	W908	W909
W910	W911	W912
W913	W914	W915
W916	W917	W918
W919	W920	W921
W922	W923	W924
W925	W926	W927
W928	W929	W930
W931	W932	W933
W934	W935	W936
W937	W938	W939
W940	W941	W942
W943	W944	W945
W946	W947	W948
W949	W950	W951
W952	W953	W954
W955	W956	W957
W958	W959	W960
W961	W962	W963
W964	W965	W966
W967	W968	W969



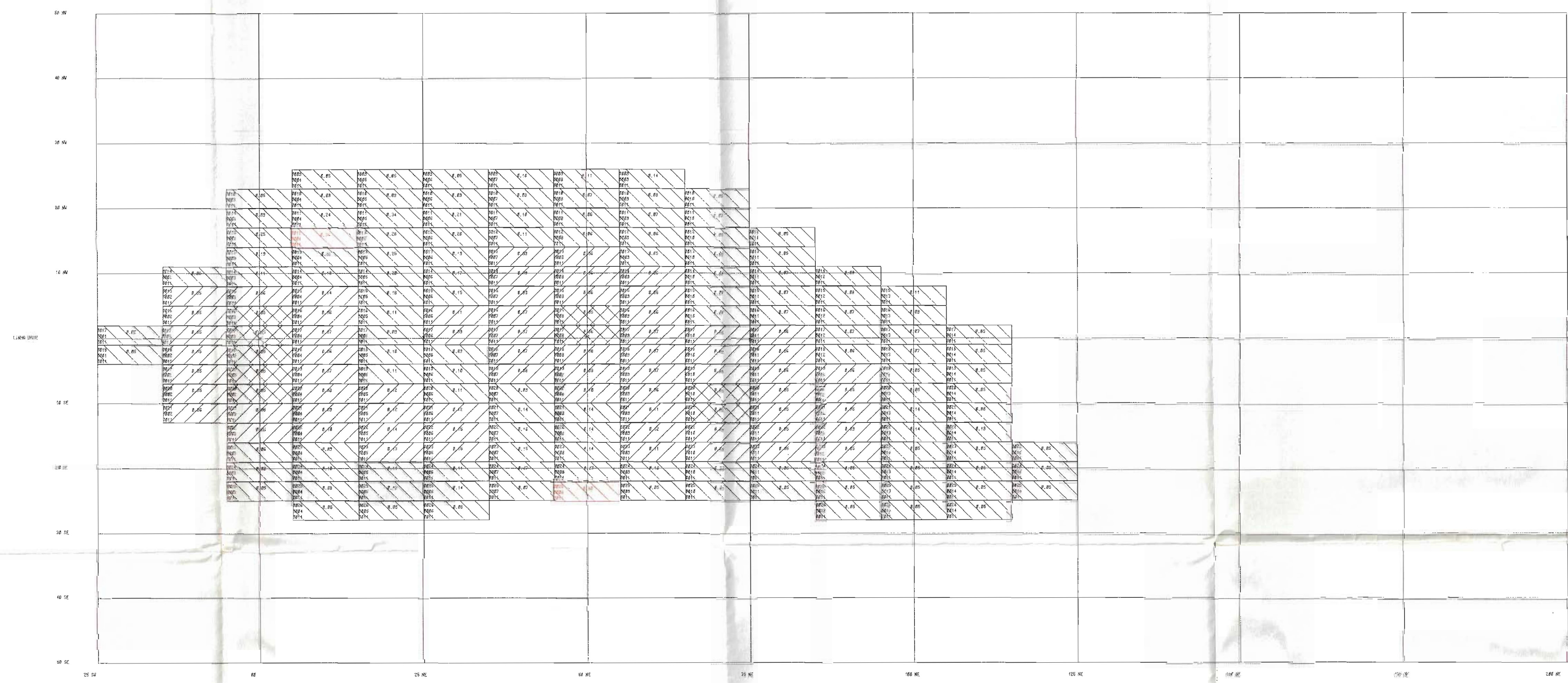
Linha: 1-45
 Coluna: 1-45
 Módulo: 1-45

Linha: 1-45
 Coluna: 1-45
 Módulo: 1-45

Linha: 1-45
 Coluna: 1-45
 Módulo: 1-45

MINEROPAR
 Mineração do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO
 PROCESSO DNPM 820229 / 84
 LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
 NÍVEL 10 - COTA 97,54 m



TEXTO NOS BLOCOS

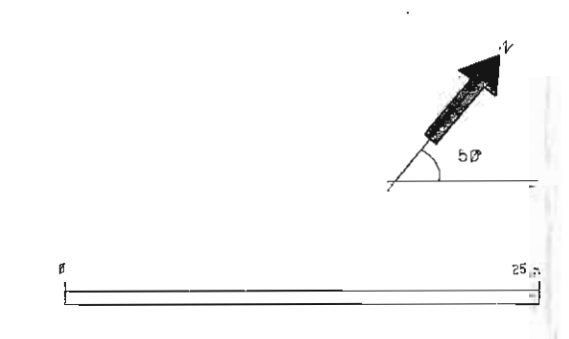
Letra	B01	1.48	Tam: 80 x 75
Cor	B01		
Modelo	B01		

- TIPOS DE REGIÃO
- INTERIOR
 - MARGEM
 - RIBES

FAZENDO DE TELA 1 (ou 2x1)

$\geq 8.00 \times 8.00$

$\geq 8.00 \times 16.00$



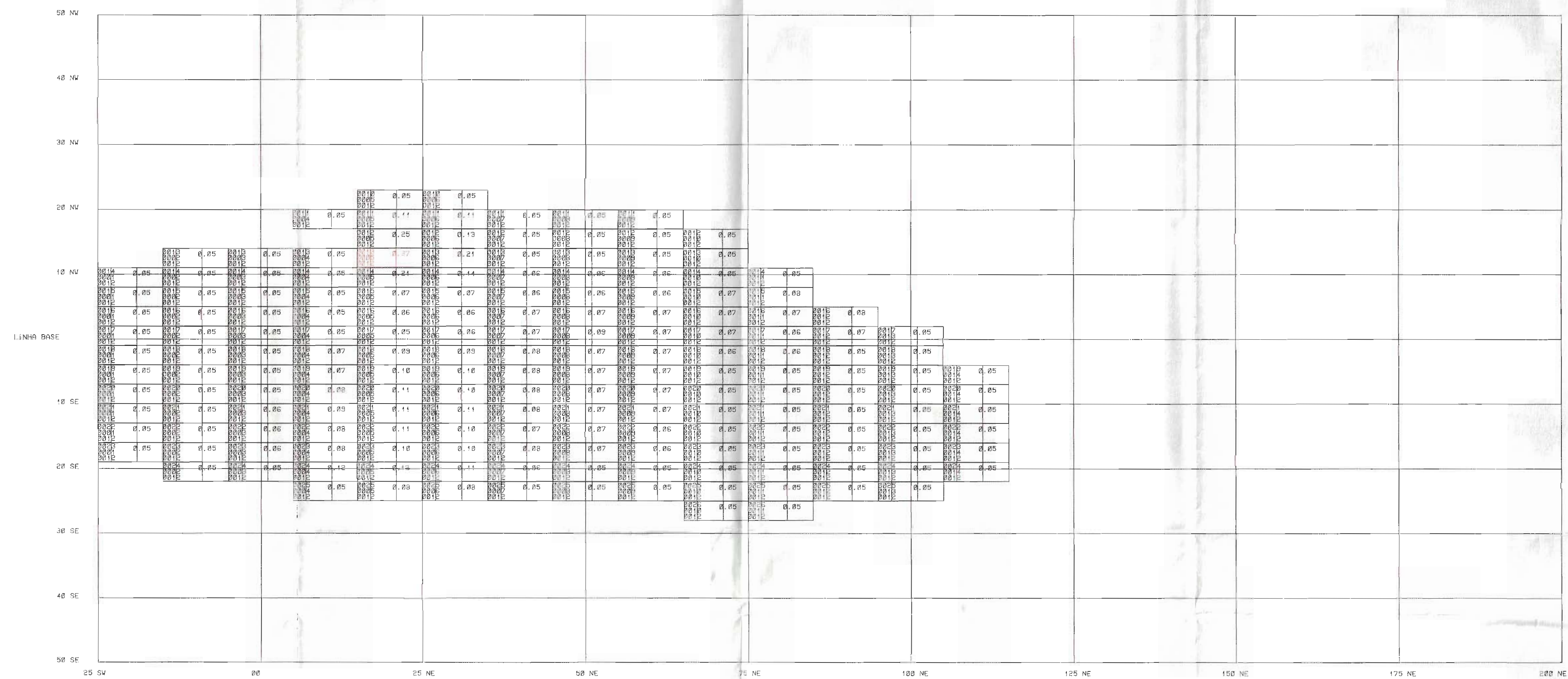
MINEROPAR
Minerais do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO

PROCESSO DNPM 820229 / 84

LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM

NÍVEL 11 - COTA 93.11 m



TEXTO NO BLOCO

Linha 0001
Coluna 0001
Nível 0001

1.45 Teor Au g/t

TIPO DE RESERVA

INFERIDA

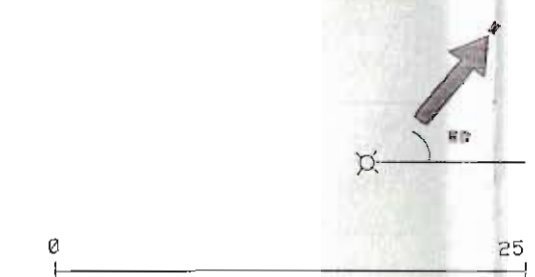
INDICADA

MEIDA

FAIXAS DE TEOR (Au g/t)

> = 0.00 < 0.35

> = 0.35 < 1.00



MINEROPAR

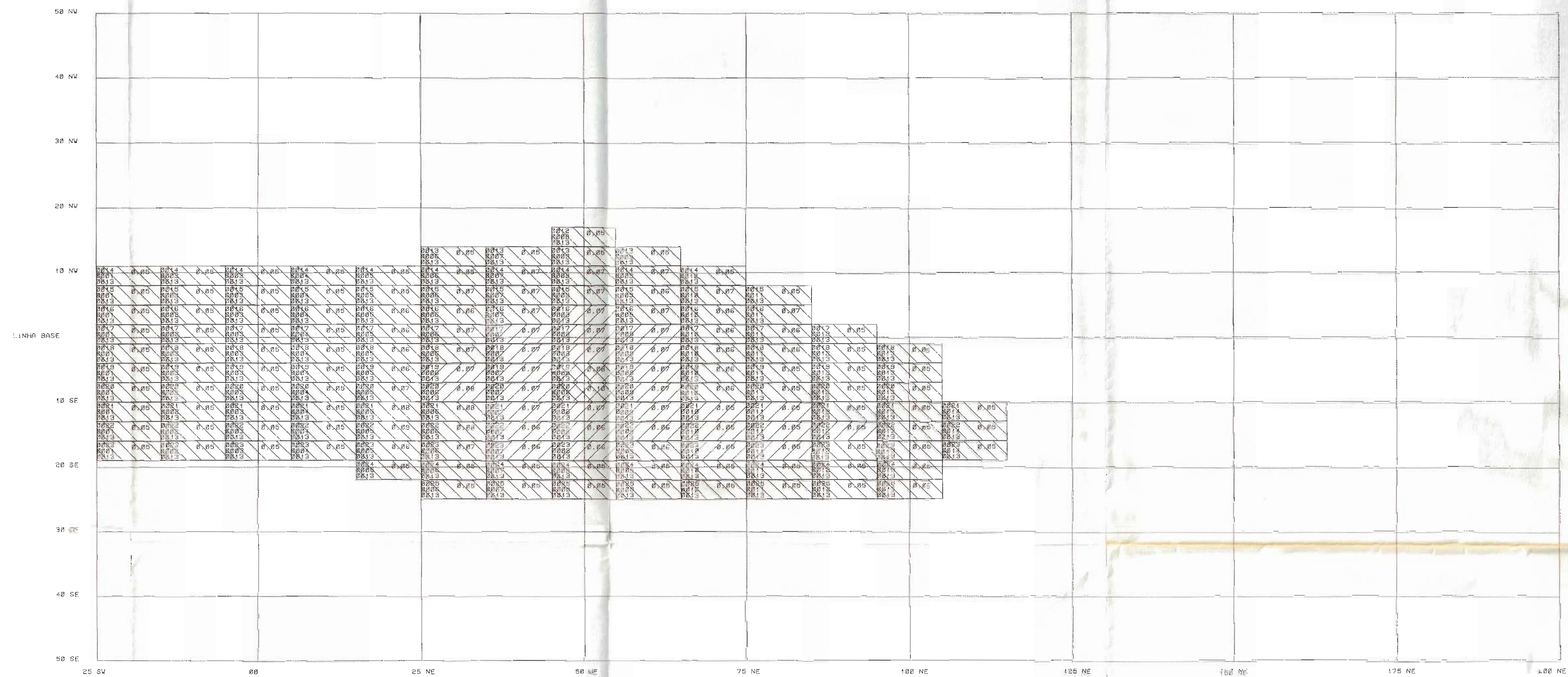
Minerats do Paraná S.A.

PROJETO OURO - PROSPECTO SÃO JOÃO

PROCESSO DNPM 820229 / 84

LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM

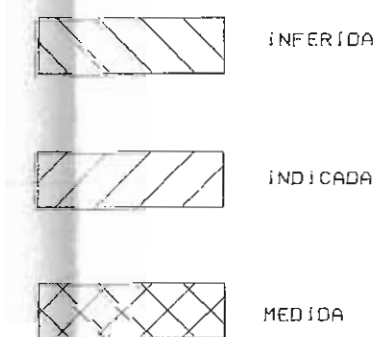
NÍVEL 12 - COTA 88.50 m



TEXTO NO BLOCO

Linha	001	1-45	Teor Au g/t
Coluna	001		
Nível	001		

TIPUS DE RESERVA



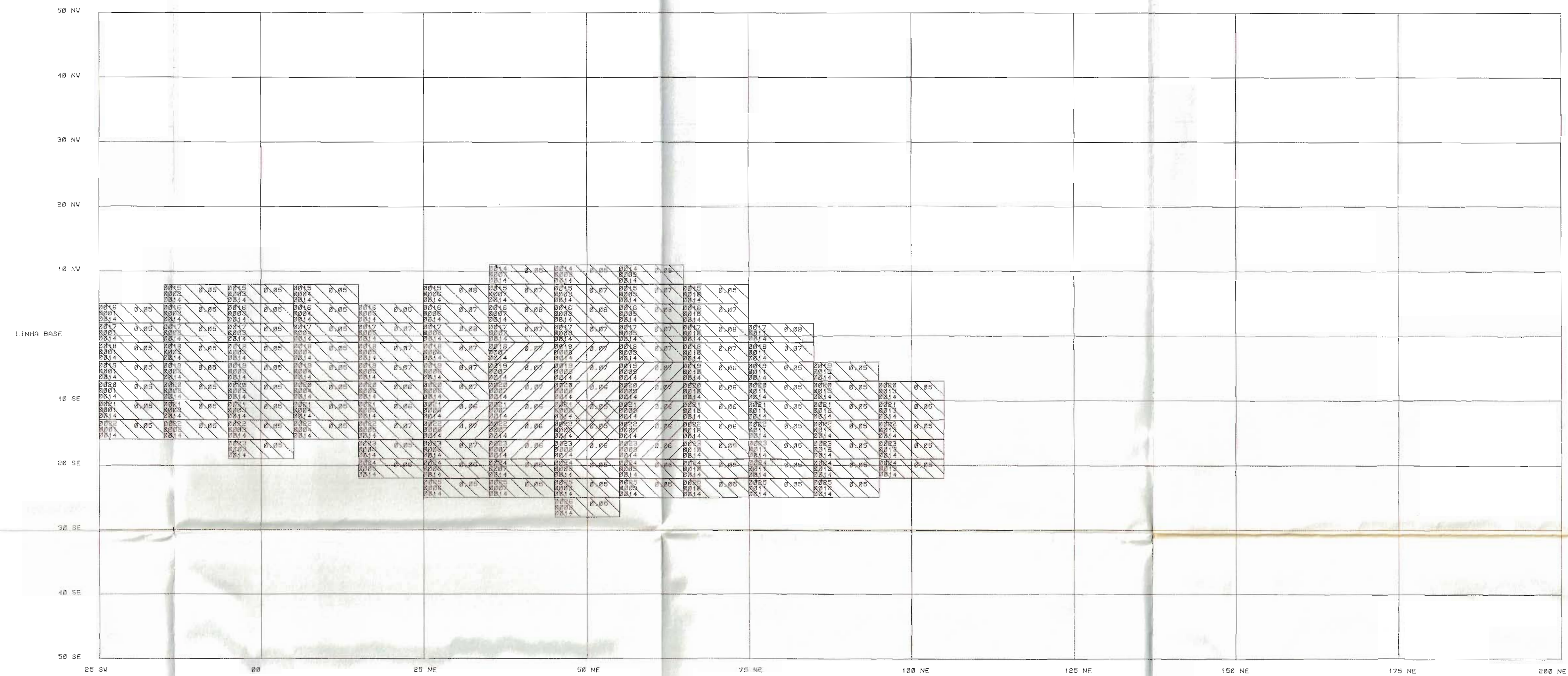
FAIXAS DE TEOR (Au g/t)

> = 0.05 < 0.35



MIMERO PAR
Minerats do Paraná S.A.

PROJETO OURO - PROSPECTO SAO JOAO
PROCESSO DNPM 820229 / 84
LOCALIZACAO DOS BLOCOS DE JUBACEM
NIVEL 13 - COTA 83.50 m



TEXTO NO BLOCO

Linha 0001 1.45 Teor Au g/t

Coluna 0001

Nível 0001

TIPO DE RESERVA

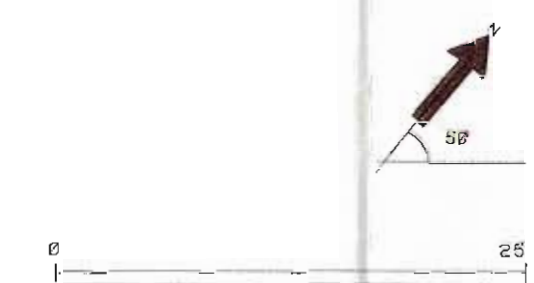
INFERIOR

INDICADA

MEDIDA

FAIXAS DE TEOR (Au g/t)

> = 0.08 < 0.35



MINEROPAR

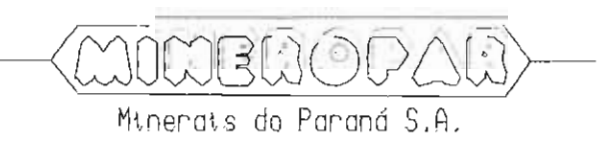
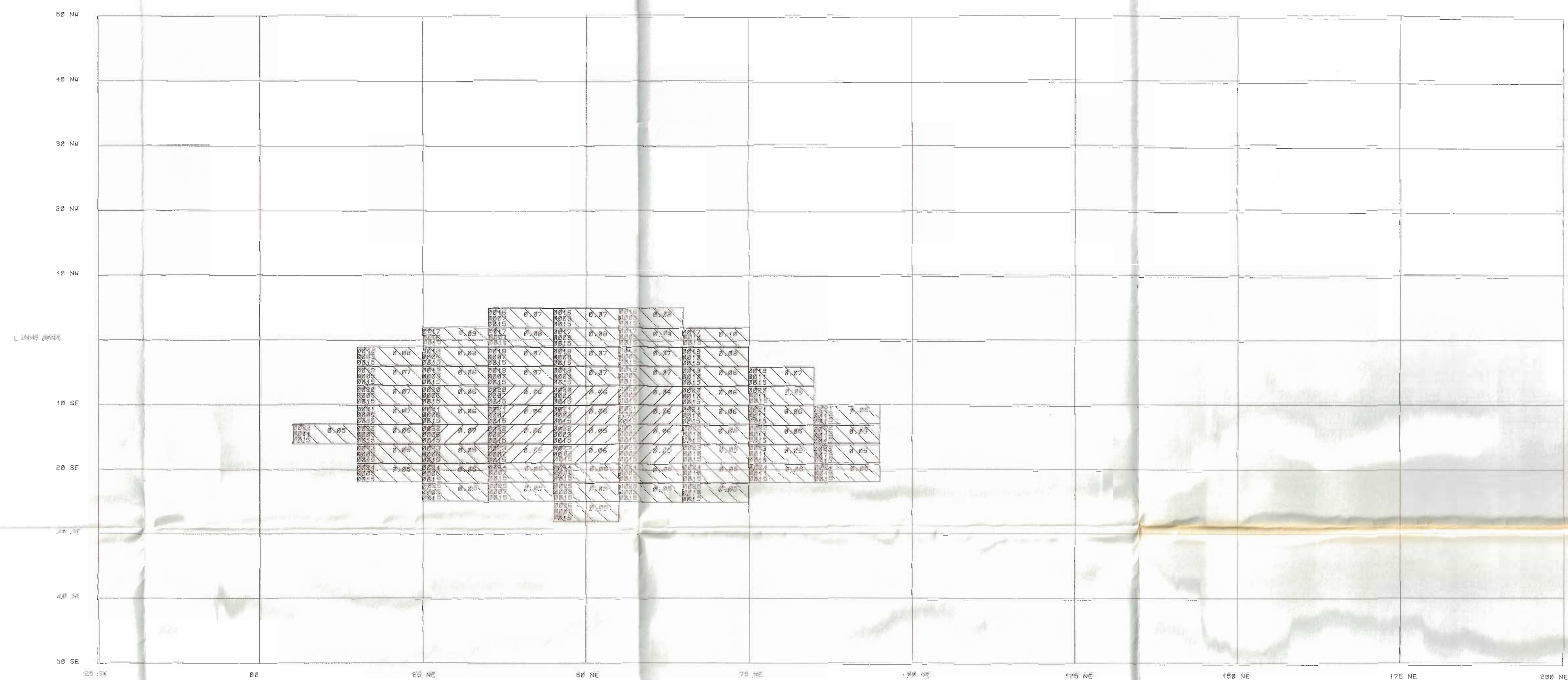
Minerats do Paraná S.A.

PROJETO OURO - PROSPECTO SAO JOAO

PROCESSO DNPM 820229 / 84

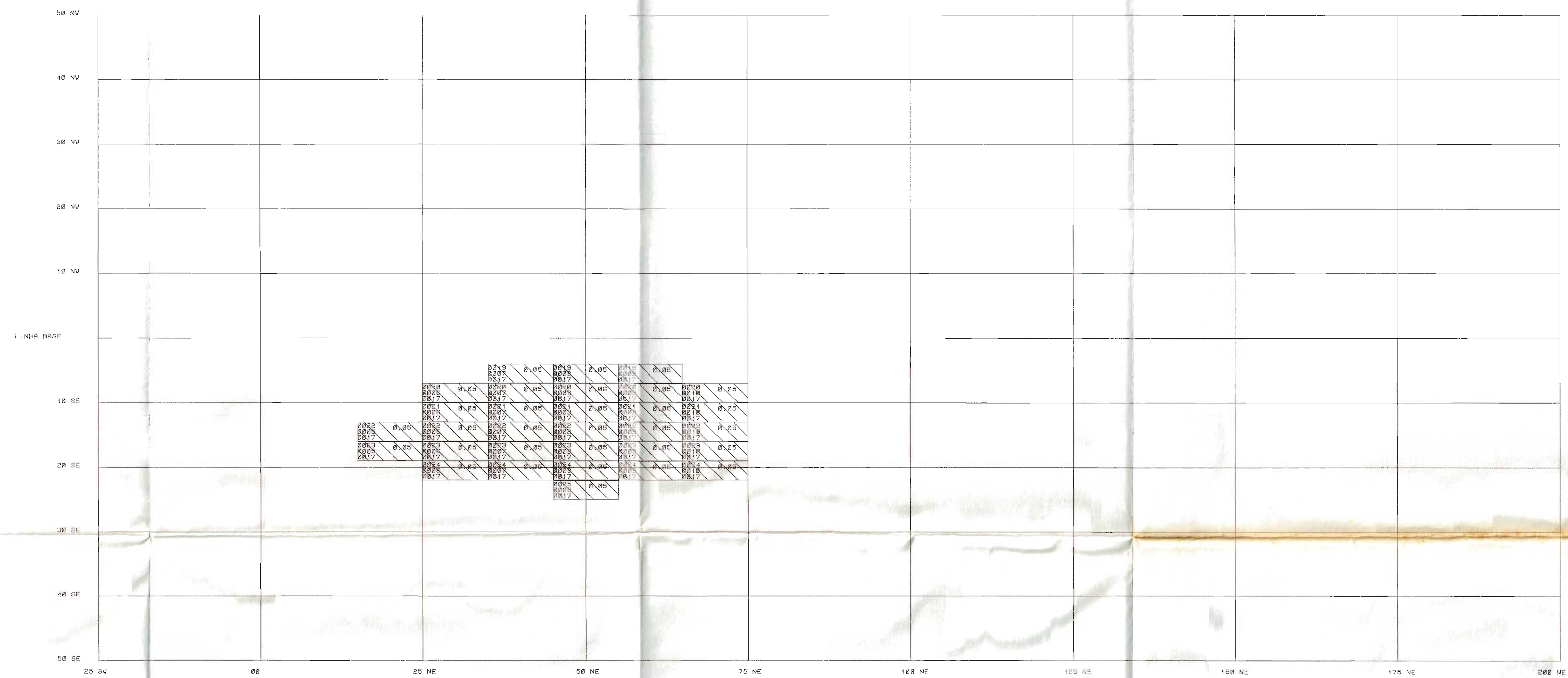
LOCALIZACAO DOS BLOCOS DE CUBAGEM

NIVEL 14 - COTA 78.50 m



PROJETO OURO - PROSPECTO SÃO JOÃO
PROCESSO C.N.M. 820229 / 84
LOCALIZAÇÃO DOS BLOCOS DE CUEIRAL
NÍVEL 15 - COTA 73.50 m

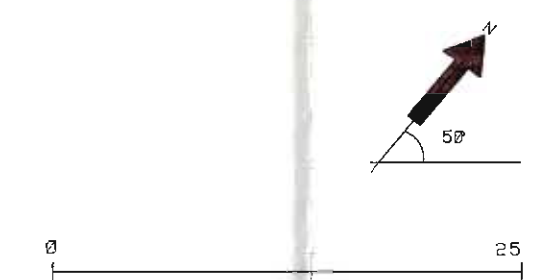




TEXTO NO BLOCO
 Linha 0001
 Coluna 0001
 Numa 0001

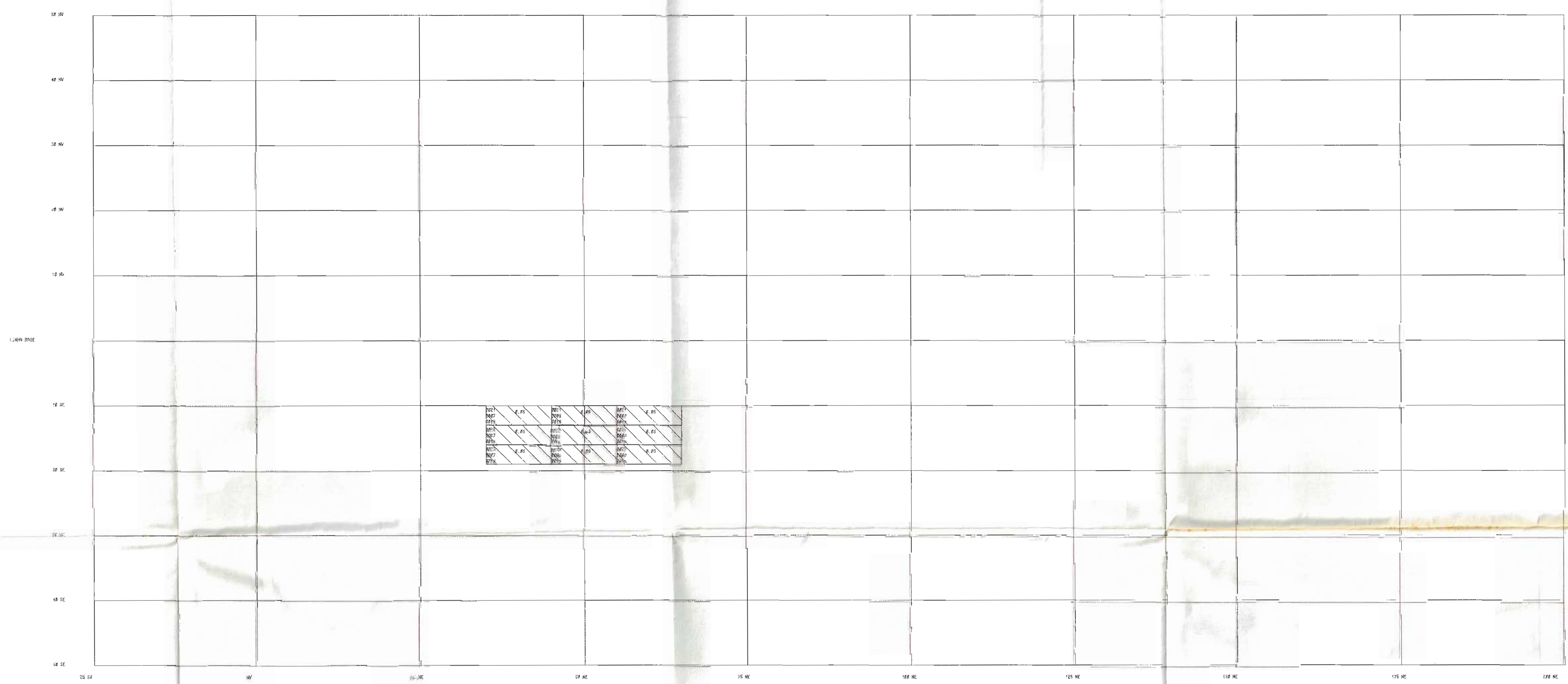
TIPO DE RESERVA
 INFERIDA
 INDICADA
 MEDIDA

FAIXAS DE TEOR (Au g/t)
 > = 0,00 < 0,35



MINEROPAR
 Minérios do Paraná S.A.

PROJETO OURO - PROSPECTO SAO JOAO
 PROCESSO DNPM 820229 / 84
 LOCALIZACAO DOS BLOCOS DE CUBAGEM
 NIVEL 17 - COTA 63.50 m



LEGENDA

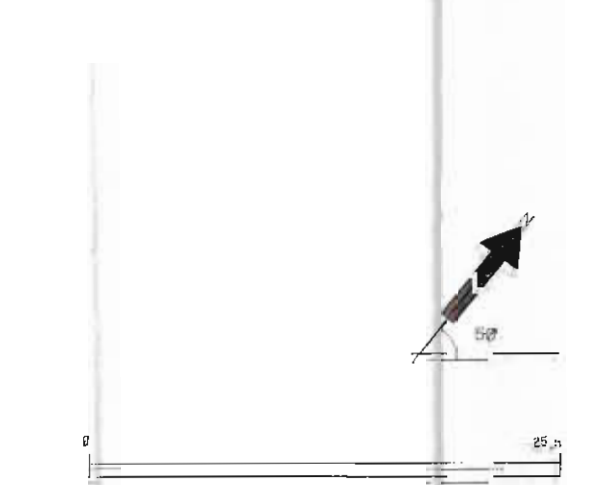
Cor	Descrição
Verde	Área de Proteção Ambiental
Amarelo	Área de Reserva Legal
Vermelho	Área de Cauda

LEGENDA

Cor	Descrição
Verde	Área de Proteção Ambiental
Amarelo	Área de Reserva Legal
Vermelho	Área de Cauda

LEGENDA

Cor	Descrição
Verde	Área de Proteção Ambiental
Amarelo	Área de Reserva Legal
Vermelho	Área de Cauda



MINEROPAR
Minerats do Paraná S.A.

PROJETO OURO - PROSPECÇÃO SÃO JOÃO
PROCESSO DNPM 820229 / 84
LOCALIZAÇÃO DOS BLOCOS DE CUBAGEM
NÍVEL 18 - COTA 58.50 m

