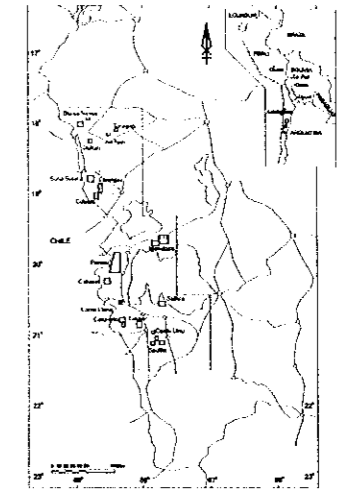
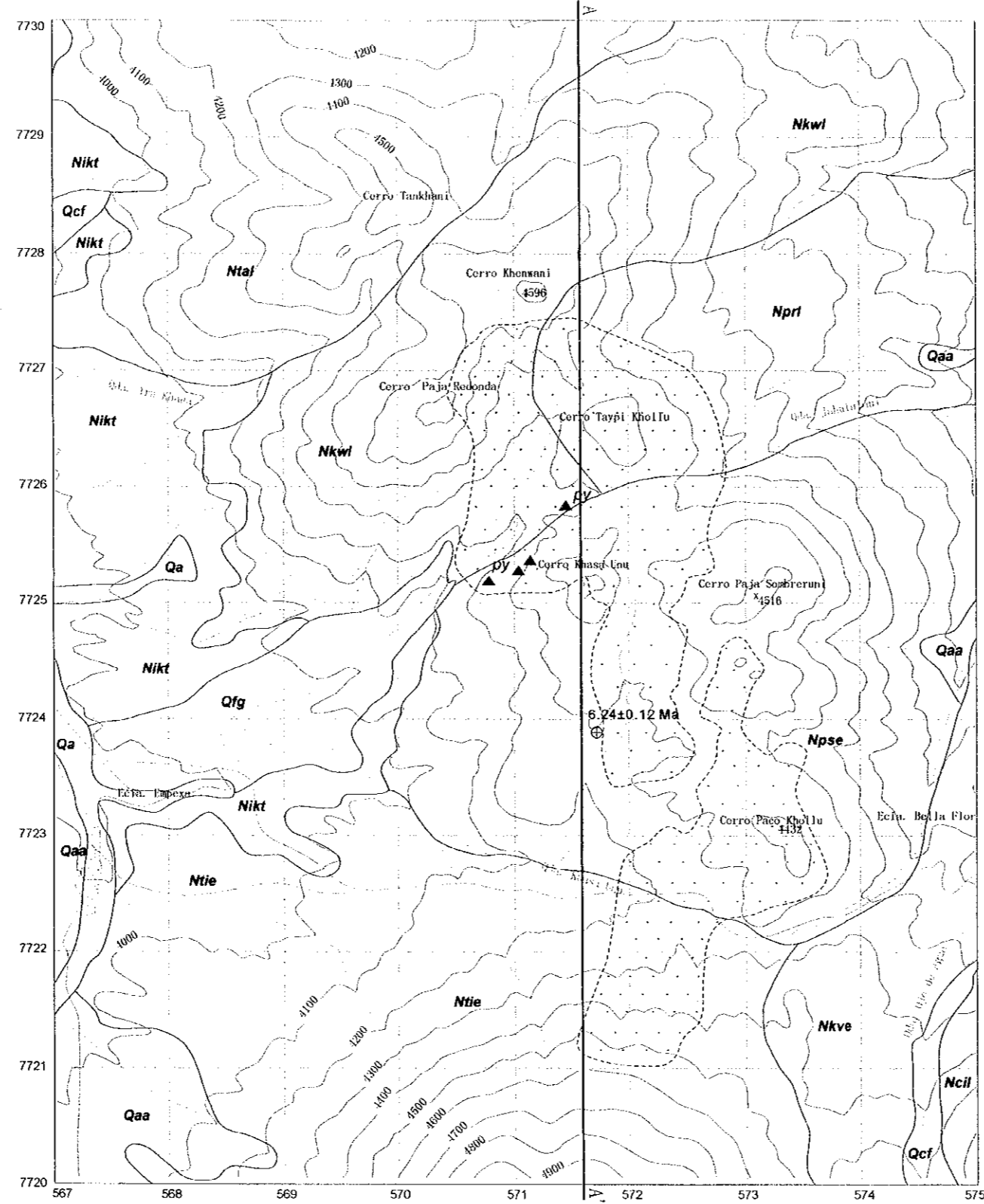
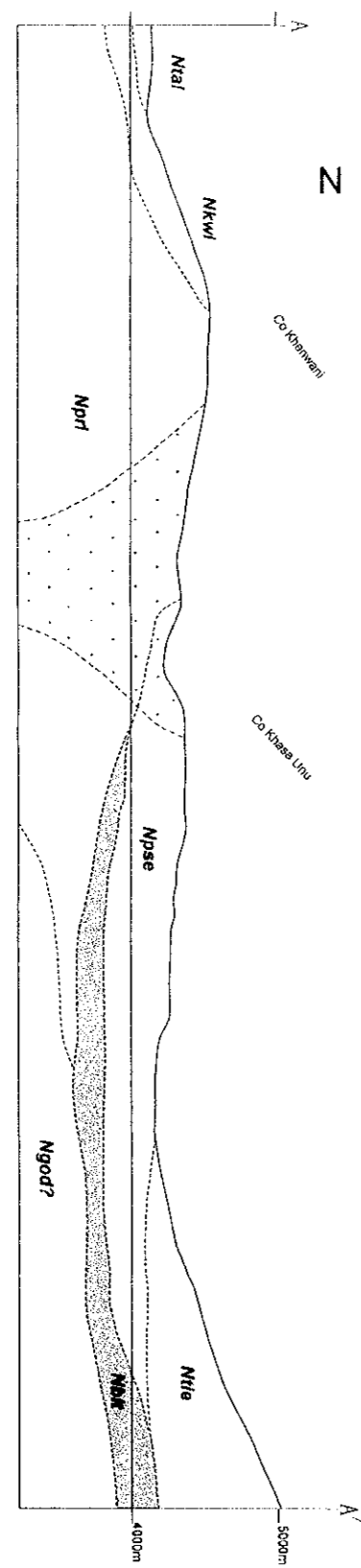


THE MINERAL EXPLORATION
IN THE URURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Map
of
The Loma Llena District



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

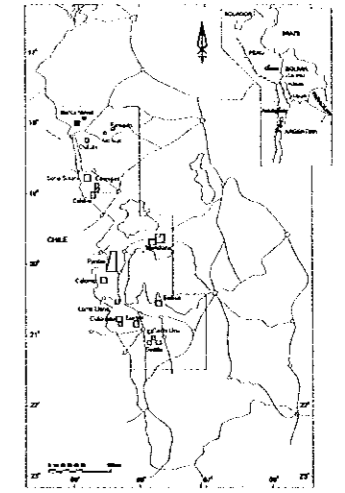


Legend

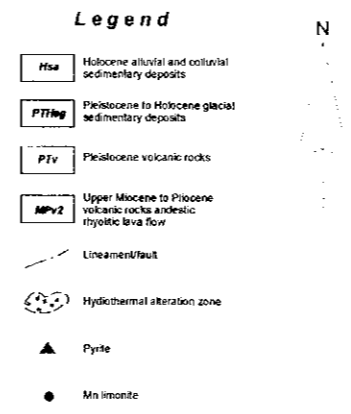
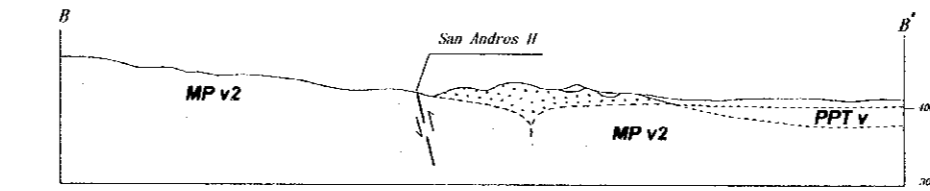
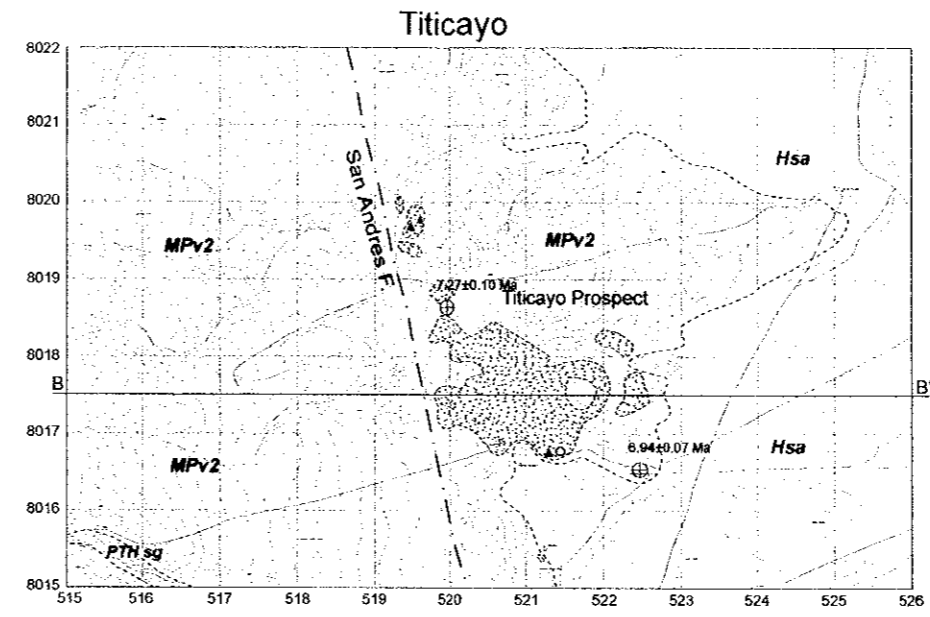
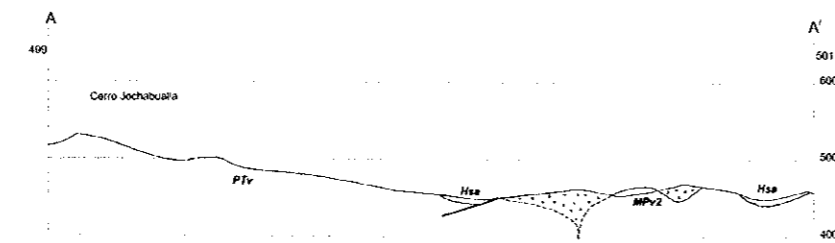
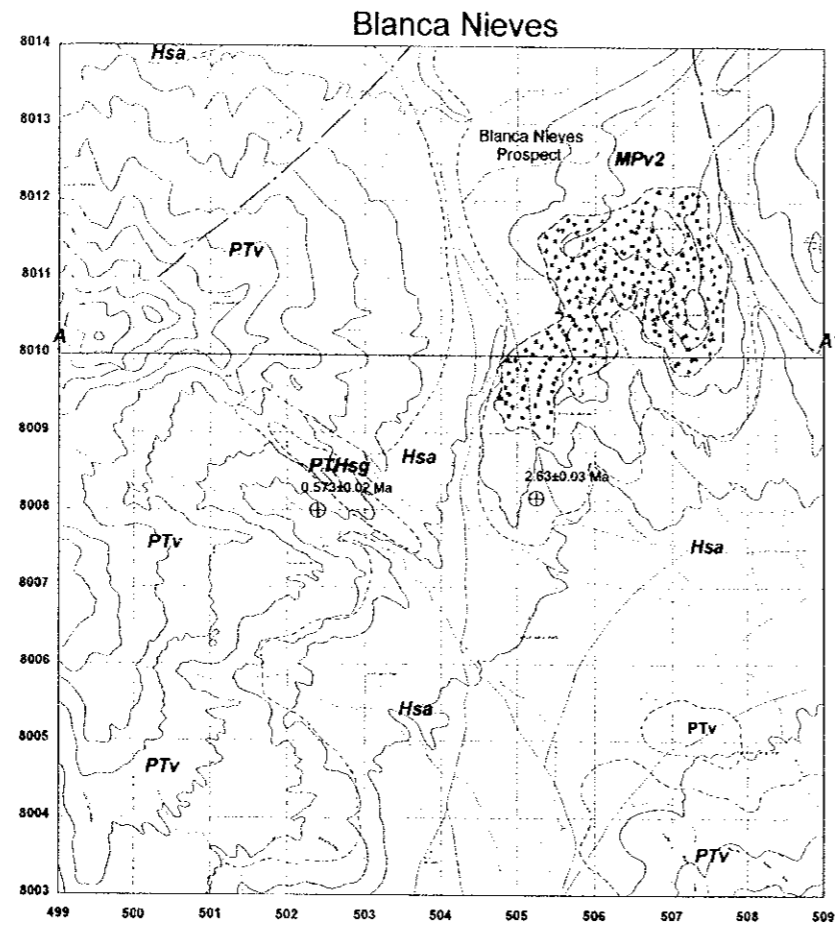
- Qa
- Qaa Alluvialfan deposit
- Qcf Colluvial-fluvial deposit
- Qfg Fluvio-glacial deposit
- Qa
- Nkve Upper Pliocene volcanic rocks
- Ntie Upper Pliocene volcanic rocks
- Nkt Lower Pliocene volcanic rocks
- Ntal Lower Pliocene volcanic rocks
- Npse Lower Pliocene volcanic rocks
- Nkw Lower Pliocene volcanic rocks
- Nkw Upper Miocene volcanic rocks
- Nprl Upper Miocene volcanic rocks
- Ncil Upper Miocene volcanic rocks
- Ngod Upper Miocene volcanic rocks
- Hydrothermal alteration zone
- Fault
- ▲ py Pyrite

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Map
of
The Blanca Nieves District

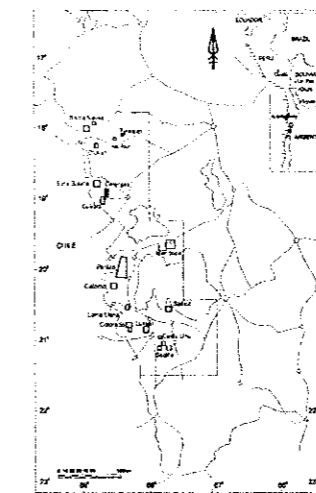


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

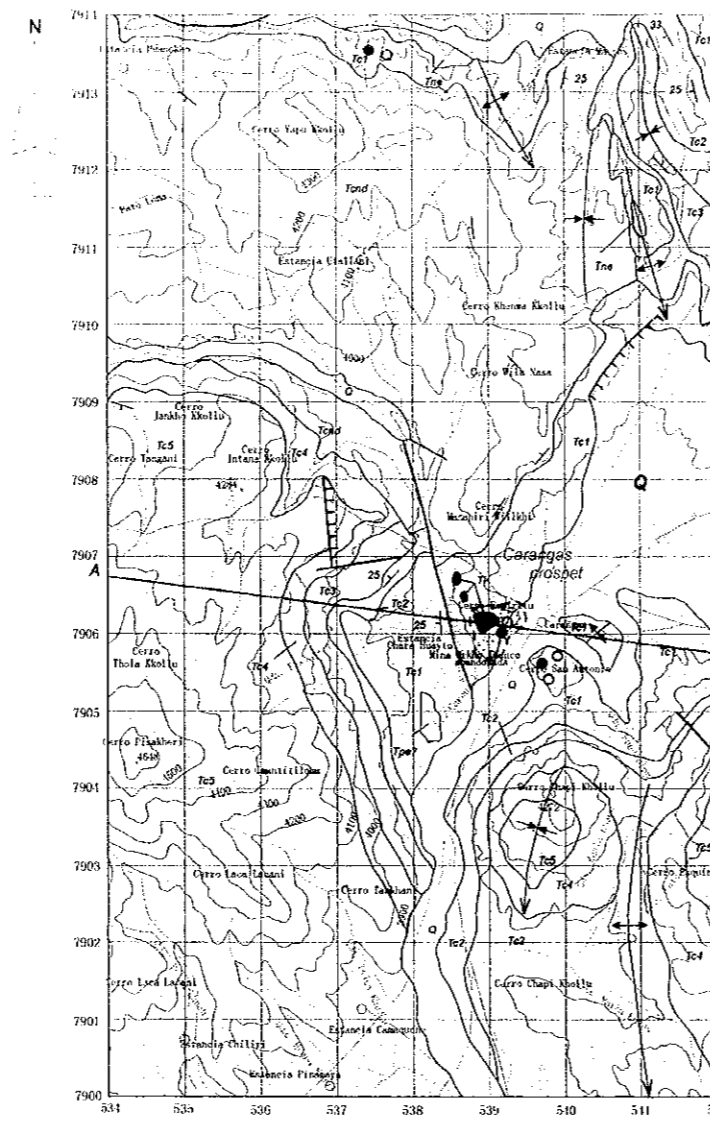


THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Map
of
The Carangas District

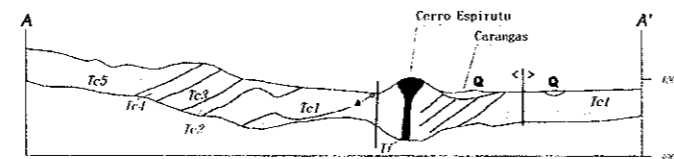


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



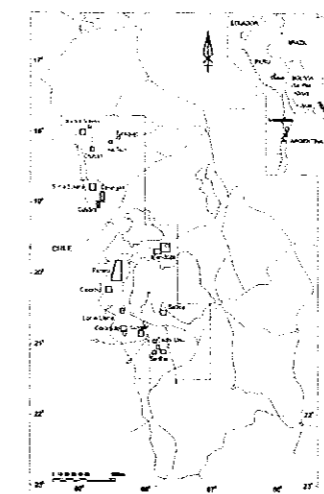
Legend

- Q** Quaternary deposits
- Tpe?** Perez formation
- Tc5** Basalt
- Tc4** Andesitic-dacitic
- Tc3** Rhyolitic tuff
- Tc2** Andesitic lava
- Tc1** Rhyolitic volcanic breccia
- Tne** Negritos formation
- Tend** 4 Carangas formation
- Tit** Tertiary intrusion
- Syncline
- Anticline
- Strike and dip of bedding
- Fault
- Hydrothermal alteration zone
- Pb, Zn
- Mn

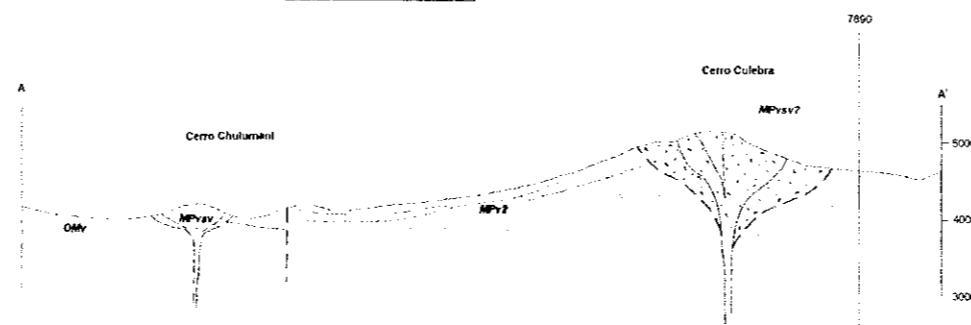
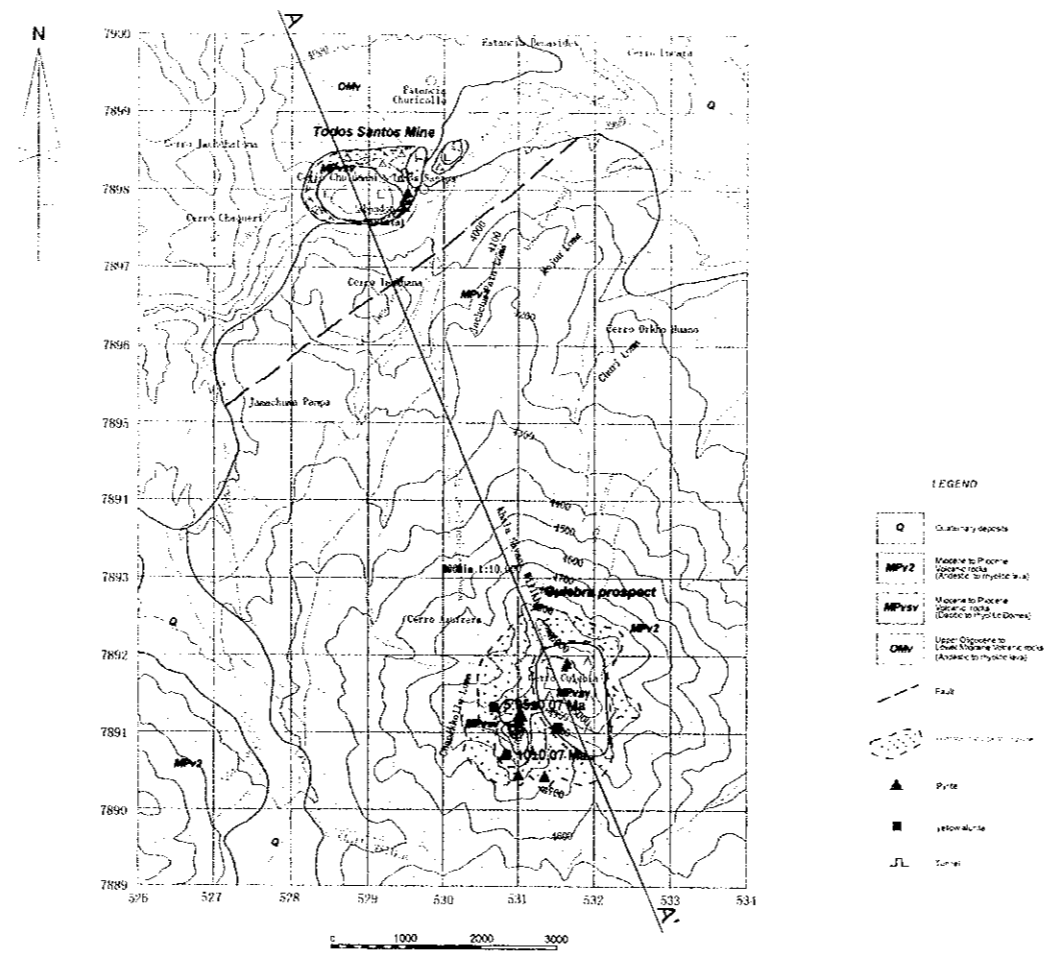


THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

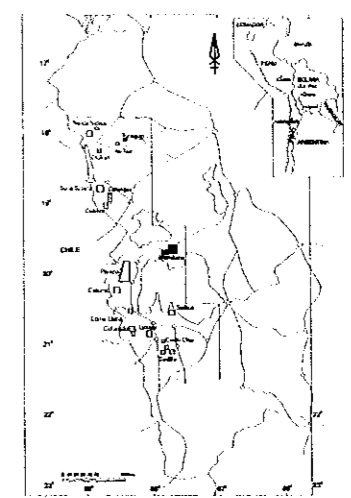
Geological Map
of
The Culebra District



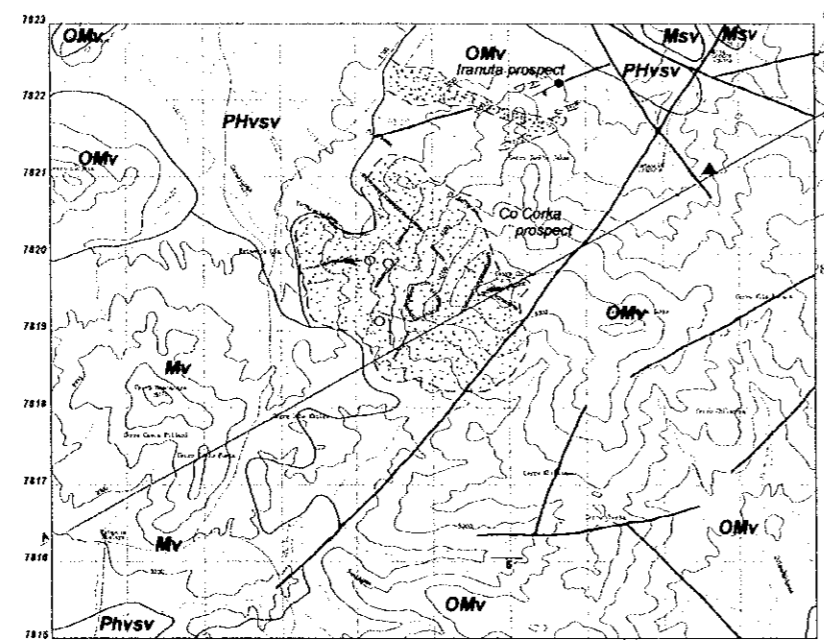
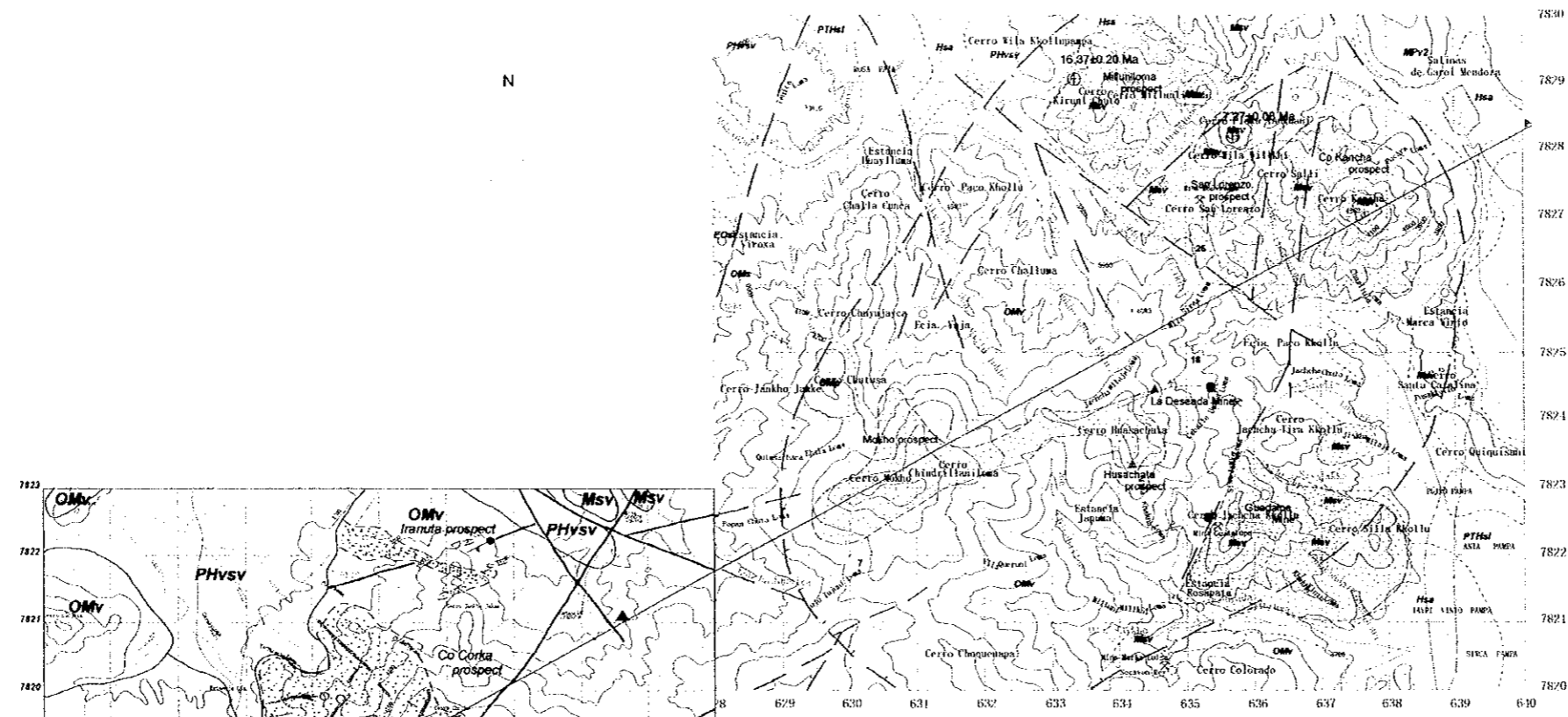
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA
Geological Map
of
The Mendoza District

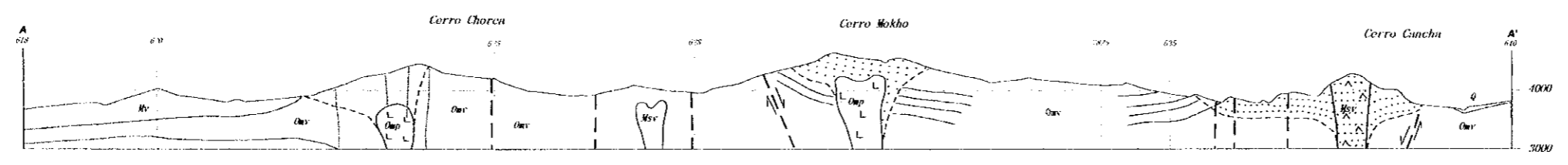


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



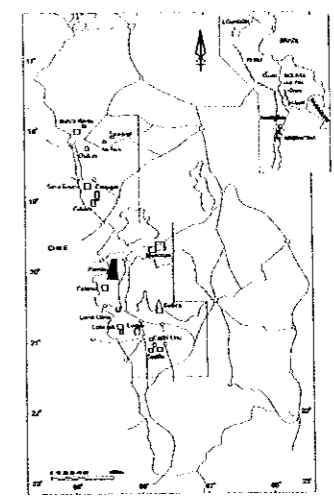
Legend

- | | | | |
|-------|---|-------|------------------------------|
| Hsa | Holocene eolian Sedimentary dep. | - - - | Fault |
| PTIad | Pleistocene to Holocene lacustrine and fluvial sedimentary dep. | ~ | Inferred Caldera margin |
| PHsv | Pliocene to Holocene volcanic-subvolcanic rocks (Andesite-basaltic Domes) | ↘ | Dip of lavaflow |
| MPv2 | Miocene to Pliocene volcanic rocks. (Andesitic - Rhyolitic Lava flows) | ⊙ | Hydrothermal alteration zone |
| Msv | Miocene subvolcanic rocks. (Andesitic to rhyolitic necks) | ⊙ | silicified zone |
| OMv | Upper Oligocene to Lower Miocene Volcanic rocks (Andesitic to rhyolitic lava flows) | ▲ | PY |
| OMs | Upper Oligocene to Lower Miocene Sedimentary rocks. (sg.) | ● | Ph, Zn, Cu |
| EOs | Eocene to Oligocene Sedimentary rocks. (ss. and ms.) | ○ | Mn |
- 0 1 2 3km



THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

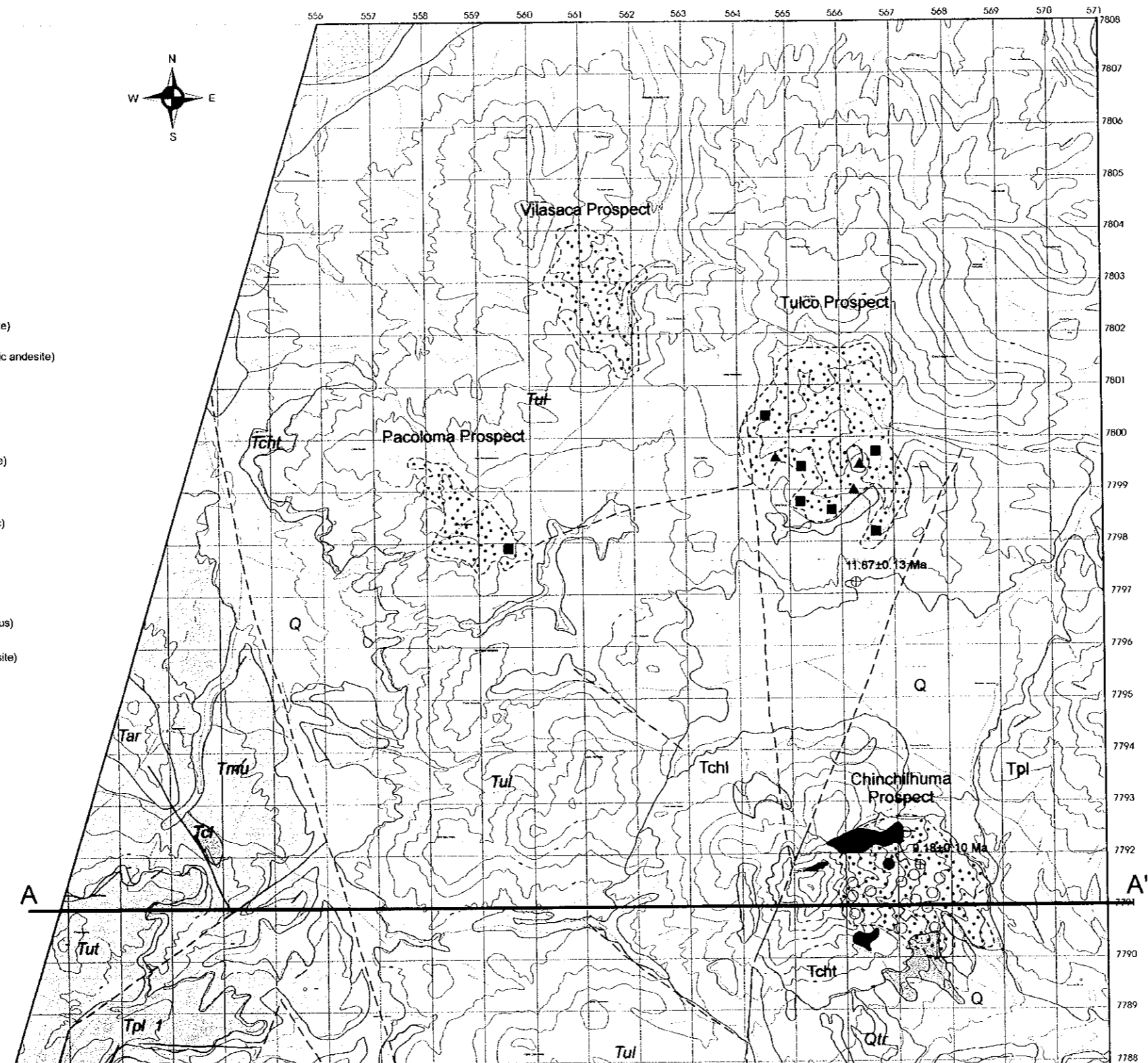
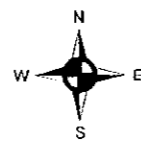
Geological Map
of
The Panizo District










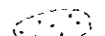





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

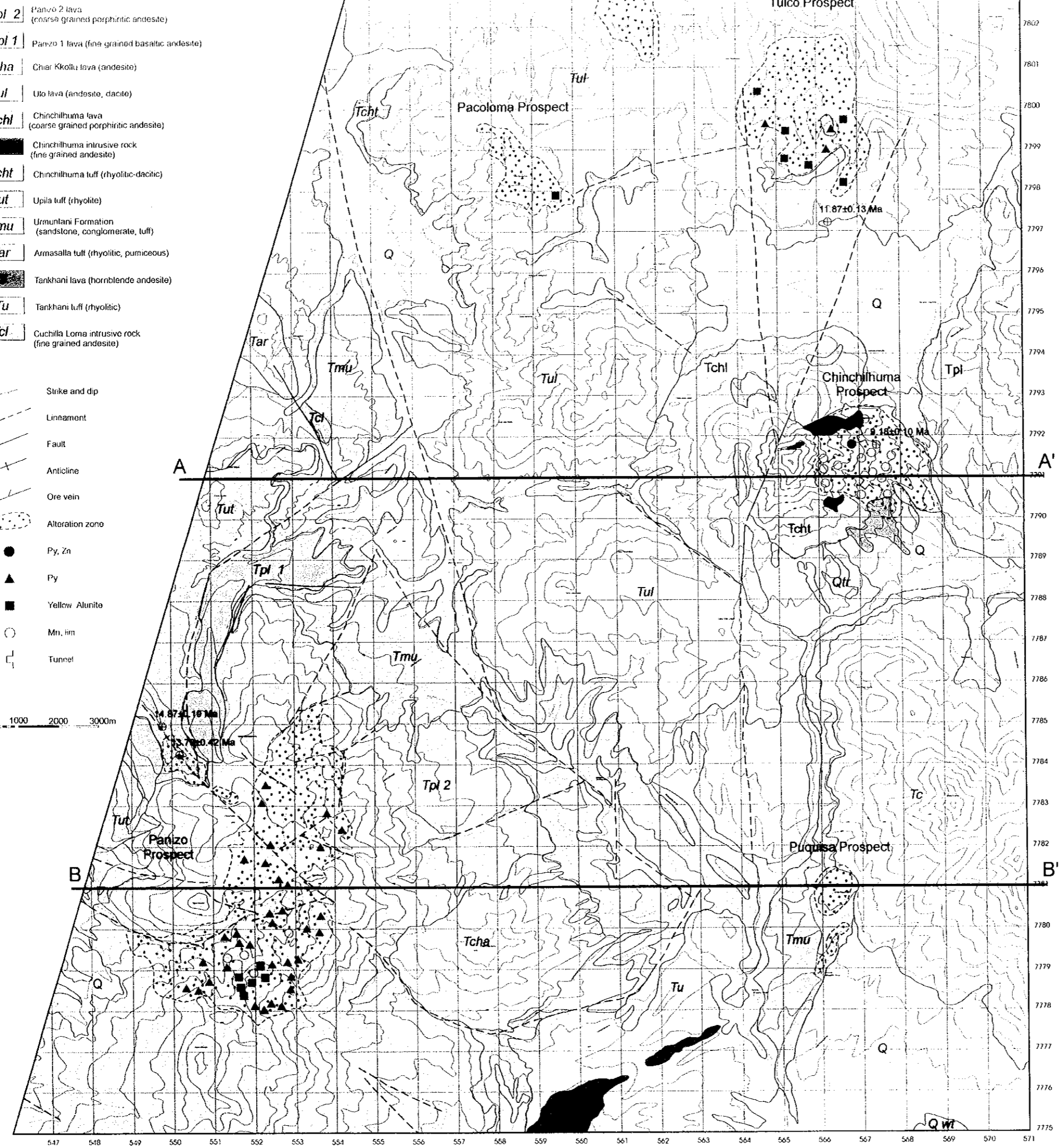
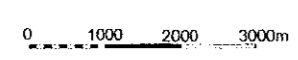
LEGEND

- Q** Quaternary deposits
 - Q tr** Travertine
 - Q wt** Wilaacollu lava
 - Tpl** Picacho lava (andesite)
 - Tc** Caltama lava (andesite)
 - Tpl 2** Panizo 2 lava (coarse grained porphyritic andesite)
 - Tpl 1** Panizo 1 lava (fine grained basaltic andesite)
 - Tcha** Chiar Kkolliu lava (andesite)
 - Tul** Ulo lava (andesite, dacite)
 - Tchl** Chinchiluma lava (coarse grained porphyritic andesite)
 - Tchl** Chinchiluma intrusive rock (fine grained andesite)
 - Tcht** Chinchiluma tuff (rhyolitic-dacitic)
 - Tut** Upila tuff (rhyolite)
 - Tmu** Urmuntani Formation (sandstone, conglomerate, tuff)
 - Tar** Armasalla tuff (rhyolitic, pumiceous)
 - Tu** Tankhani lava (hornblende andesite)
 - Tu** Tankhani tuff (rhyolitic)
 - Tcl** Cuchilla Loma intrusive rock (fine grained andesite)
-
- Strike and dip
 - Lineament
 - Fault
 - Anticline
 - Ore vein
 - Alteration zone
 - Py, Zn
 - ▲ Py



- Tpl 2** Panzo 2 lava (coarse grained porphyritic andesite)
- Tpl 1** Panzo 1 lava (fine grained basaltic andesite)
- Tcha** Char Kkolli lava (andesite)
- Tul** Uto lava (andesite, dacite)
- Tchl** Chinchiluma lava (coarse grained porphyritic andesite)
-  Chinchiluma intrusive rock (fine grained andesite)
- Tcht** Chinchiluma tuff (rhyolitic-dacitic)
- Tut** Upiia tuff (rhyolite)
- Tmu** Urmuntani Formation (sandstone, conglomerate, tuff)
- Tar** Armasalla tuff (rhyolitic, pumiceous)
-  Tankhani lava (hornblende andesite)
- Tu** Tankhani tuff (rhyolitic)
- Tcl** Cuchilla Loma intrusive rock (fine grained andesite)

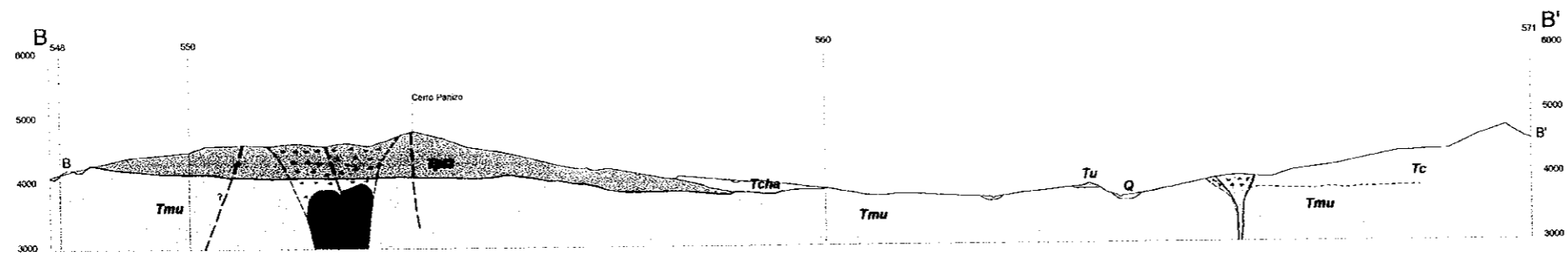
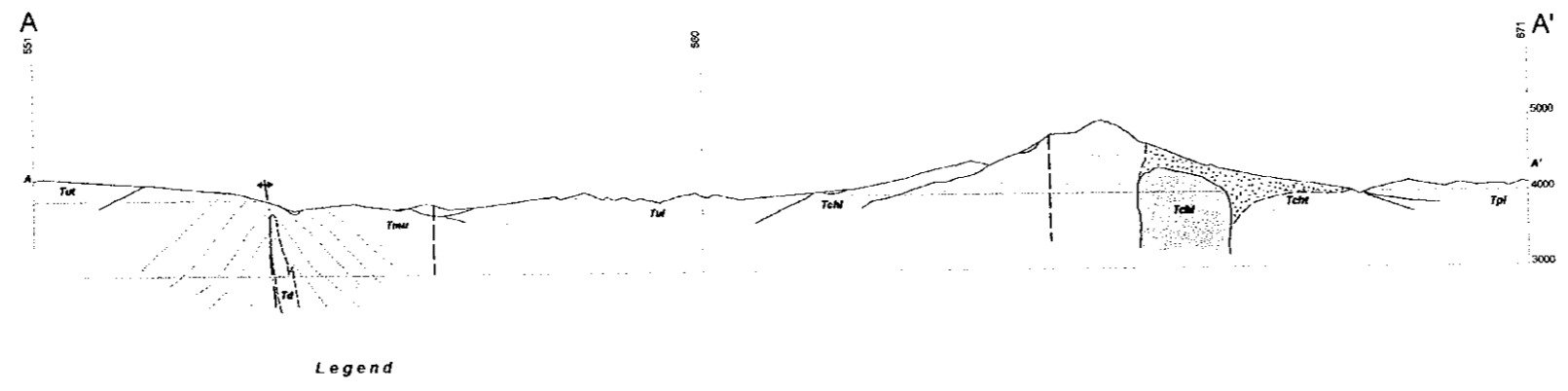
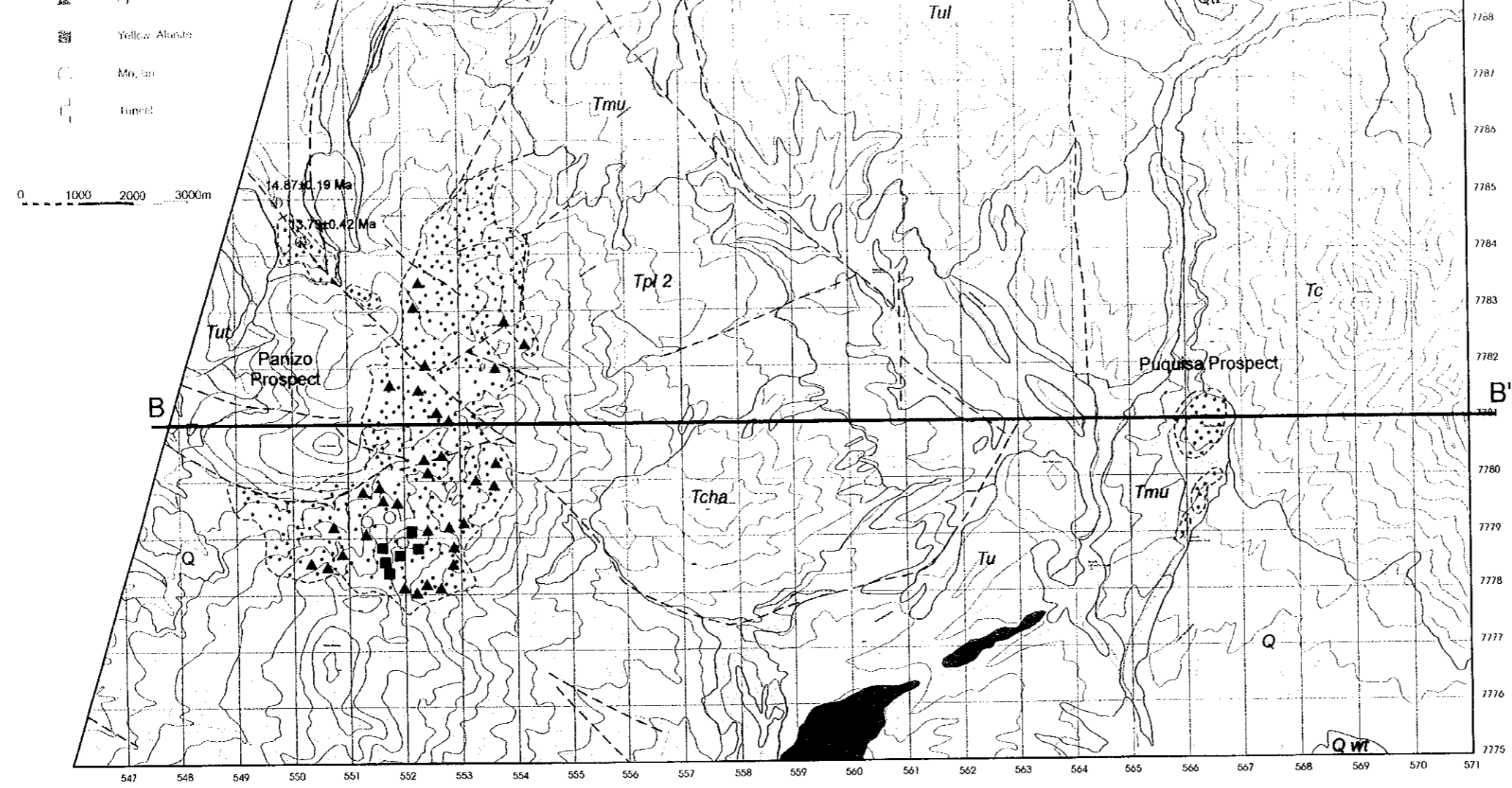
-  Strike and dip
-  Lineament
-  Fault
-  Anticline
-  Ore vein
-  Alteration zone
-  Py, Zn
-  Py
-  Yellow Alunite
-  Mn, lim
-  Tunnel



A
51

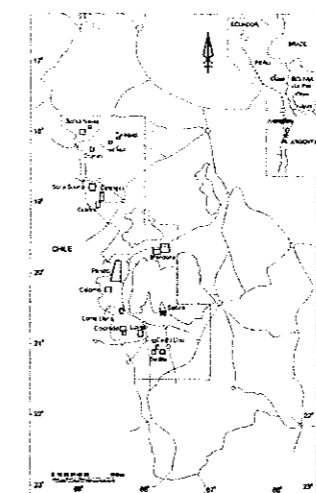
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A'
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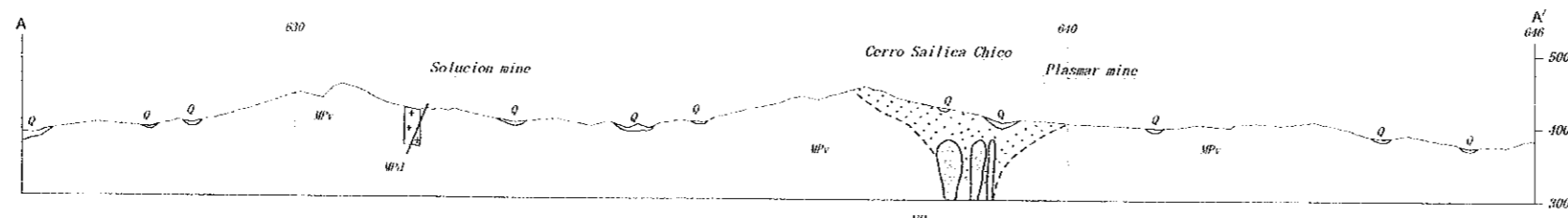
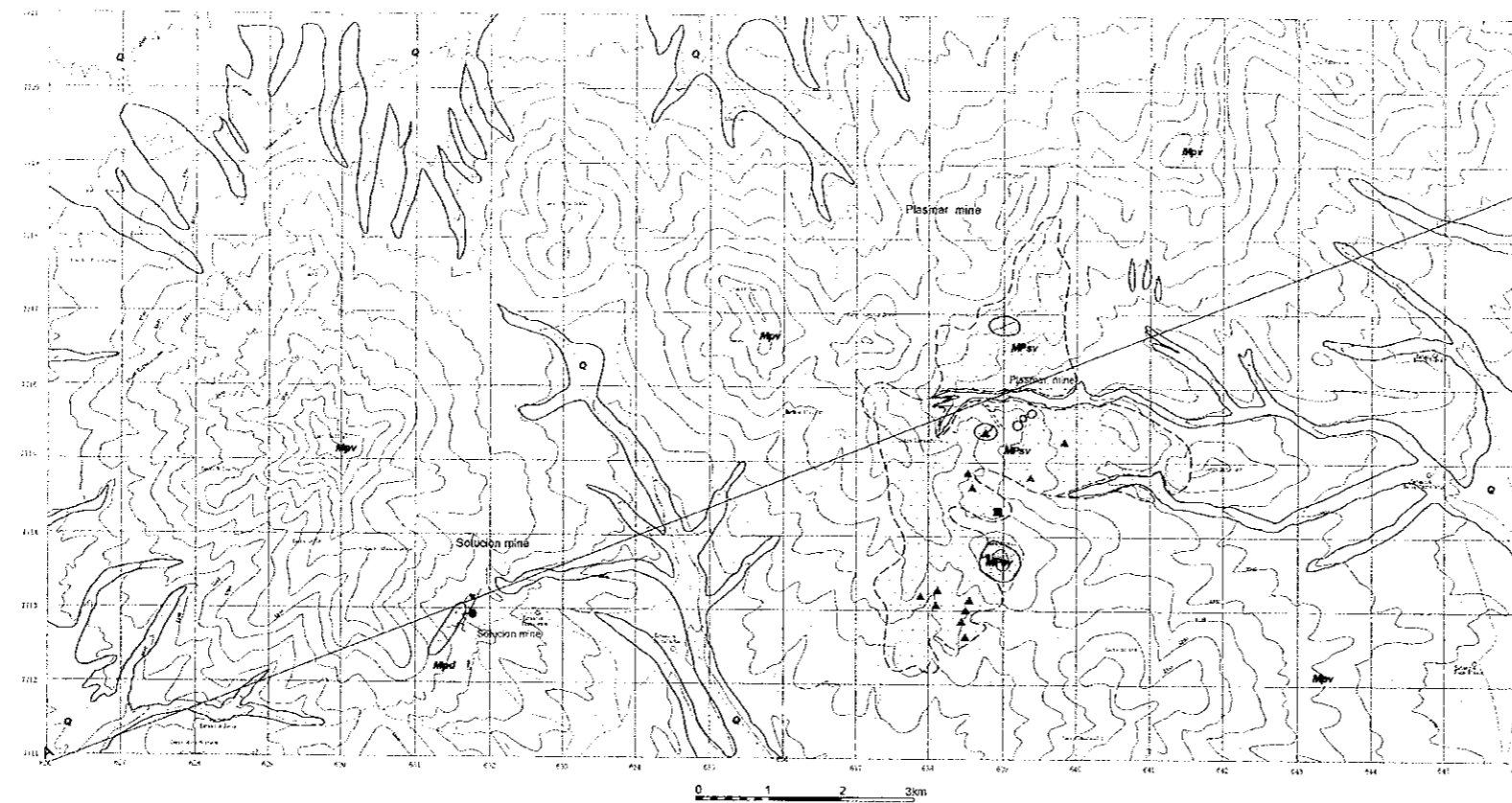


THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Map
of
The Saillca District

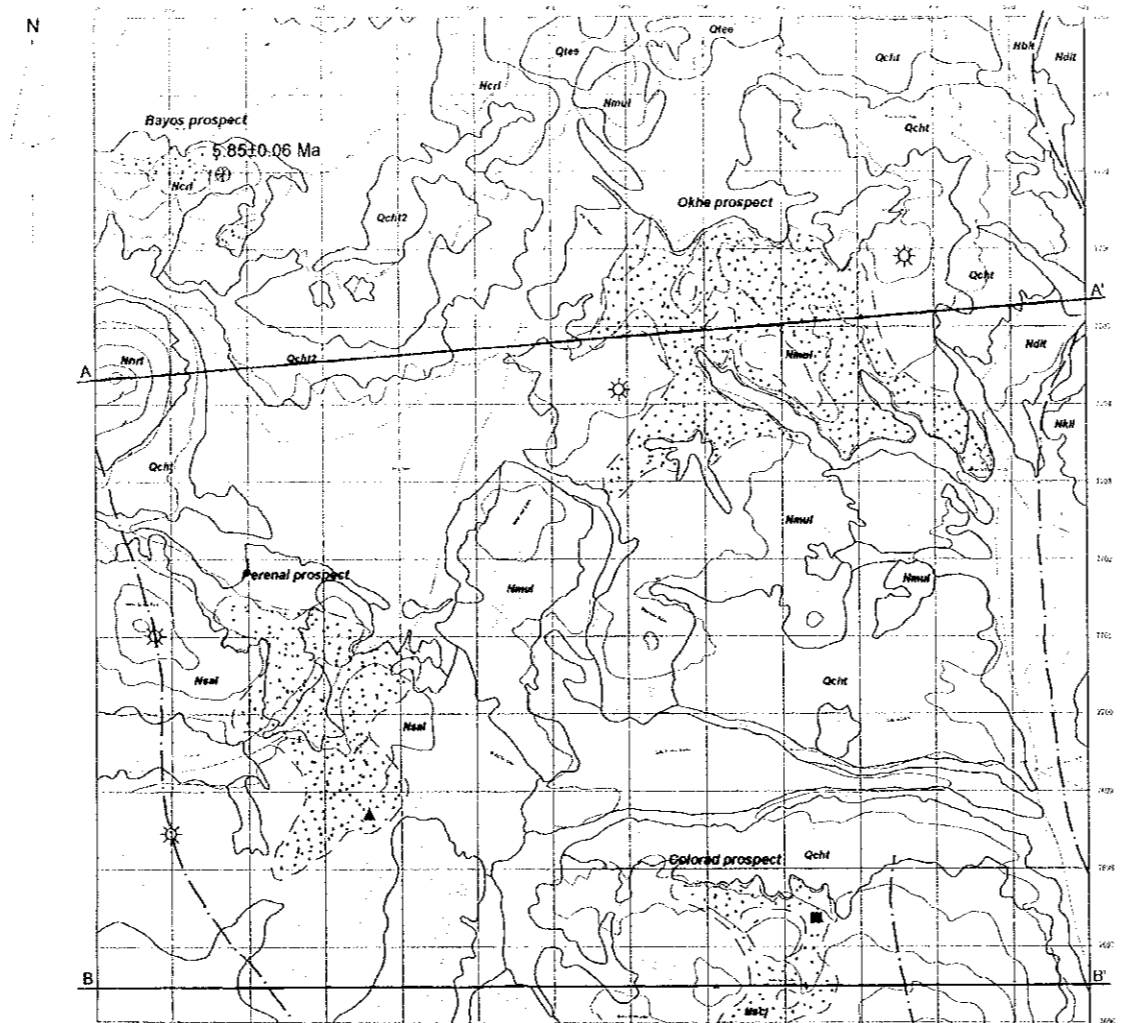


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



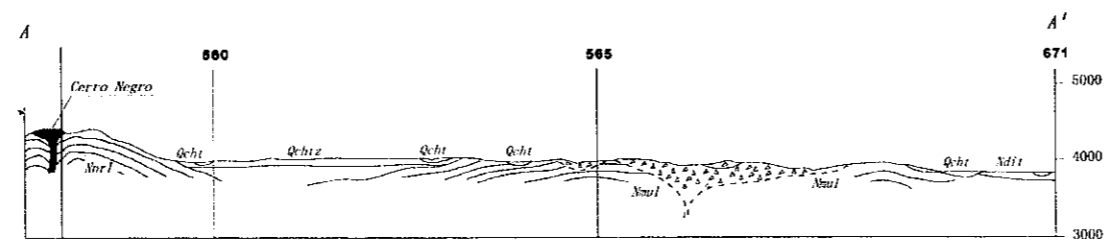
Legend

- Q Quaternary deposits
- MPv Miocene to Pliocene volcanic rock
- MPsv Miocene to Pliocene sub volcanic rock
- MPd Miocene to Pliocene dioritic rock
- Hydro thermal alteration zone
- Pb, Zn
- yellow Azurite
- ▲ Pyrite
- Tunnel



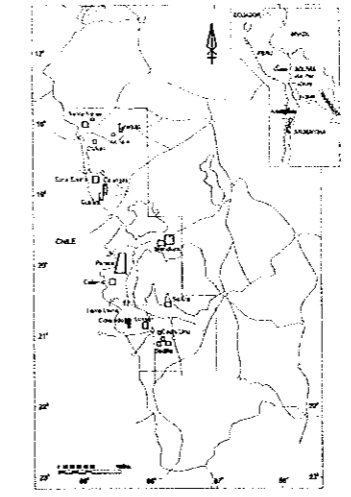
LEGEND

- Q** Quaternary deposit
- Qch1** Lower Pleistocene pumice and ashflow deposit (Chhua tuft)
- Qtes** Lower Pleistocene andesite lava (Tenzas Stratovolcano)
- Npaw** Upper Pliocene andesite lava (Puma Stratovolcano)
- Ncr1** Upper Pliocene andesite lava (Cordillerita Lavas)
- Nch1** Upper Pliocene andesite pumice flow deposit (Pigullo Tufts)
- Nkl1** Lower Pliocene andesite lava (Kharakra Lavas)
- Nbl1** Lower Pliocene pumice flow deposit (Beledor Tufts)
- Nca1** Upper Miocene andesite or dacite lavas (Canciantos Lavas)
- Nma1** Upper Miocene dacite lava (Munaypsa Lavas)
- Nnr1** Upper Miocene andesite lava (Negro Lavas)
- Nsc1** Upper Miocene andesite or dacite lava (Secoch Lavas)
- Nsa1** Middle to Upper Miocene dacite lava (Sauca Lavas)
- Lineament
- Hydrothermal alteration zone
- ▲ Pyrite
- Yello alunite

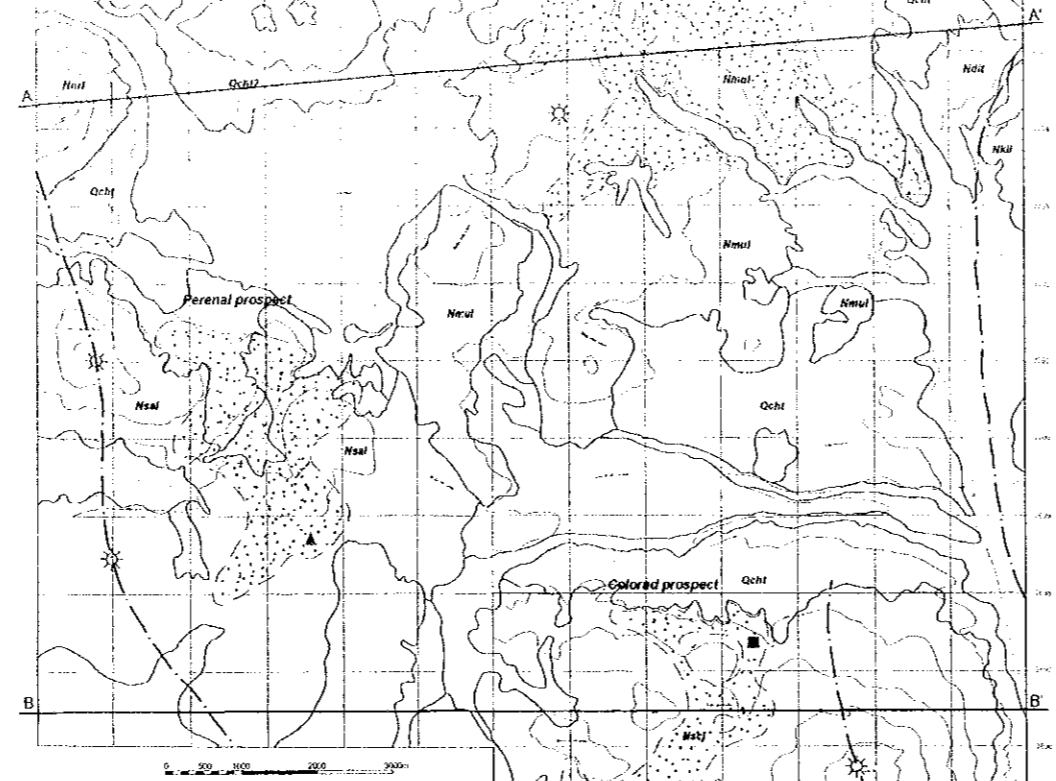


Cerro Colorado B-B'

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA
Geological Map
of
The Colorado District

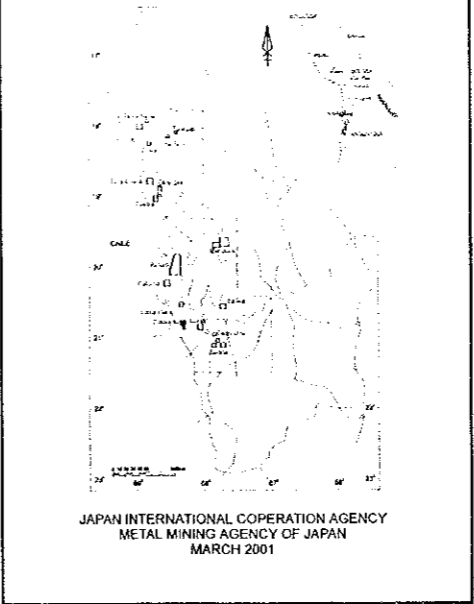
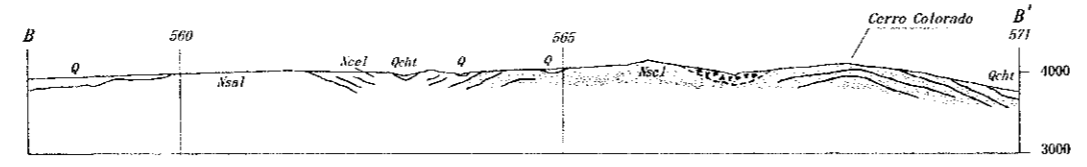
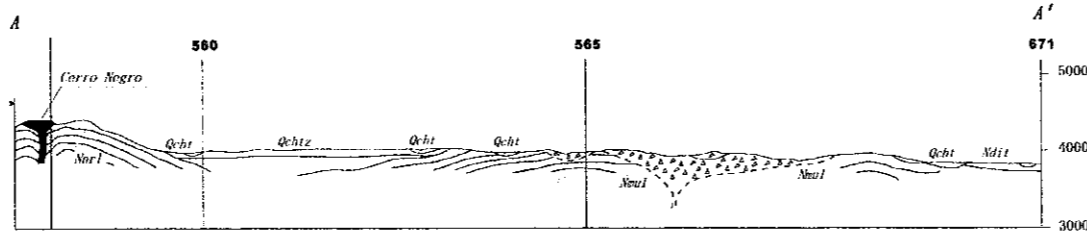
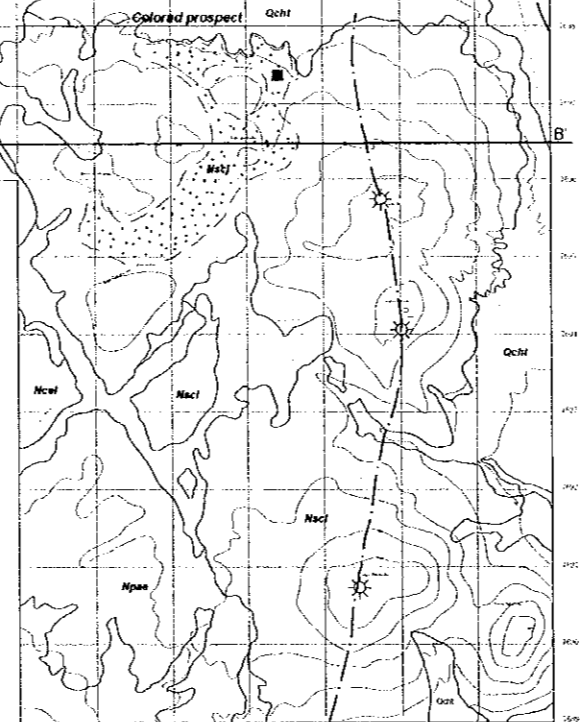


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

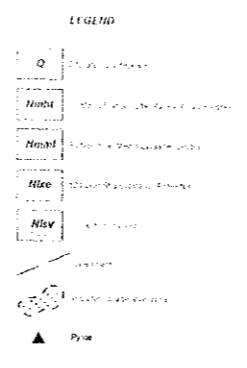
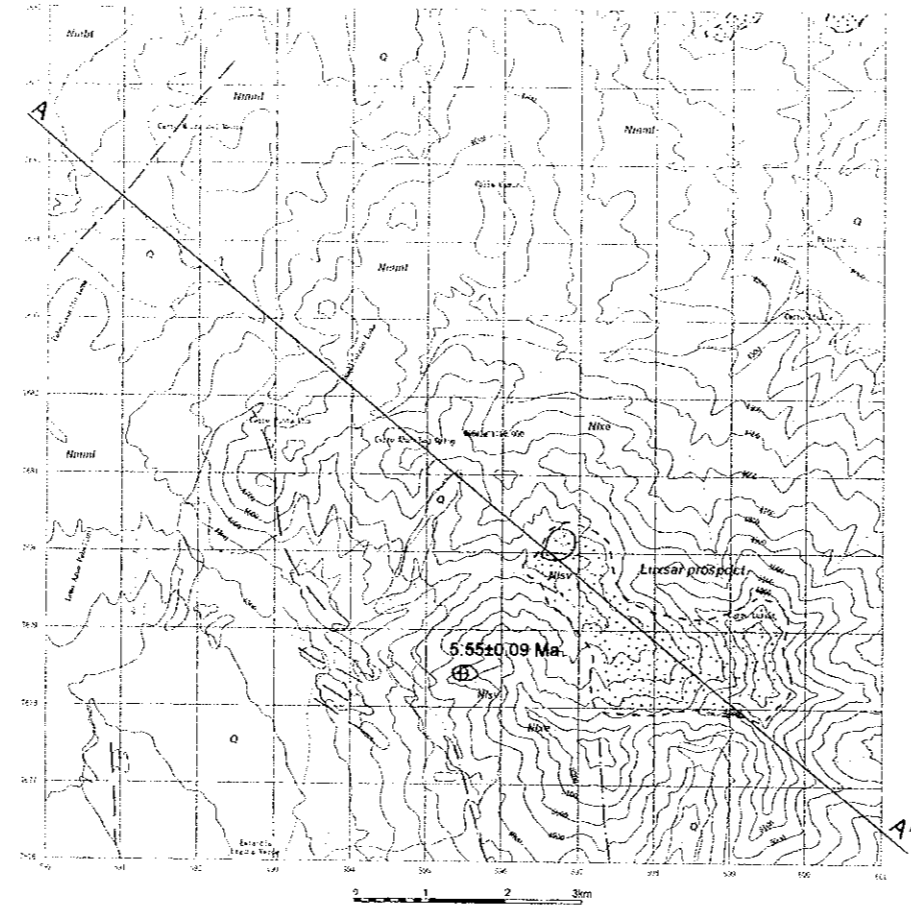


LEGEND

- Q Quaternary deposit
- Qcht Lower Pleistocene pumice and ashflow deposit (Chihue Tuff)
- Qesa Lower Pleistocene andesite lava (Tinajas Stratovolcano)
- Npae Upper Pliocene andesite lava (Parma Stratovolcano)
- Ncrf Upper Pliocene andesite lava (Cordillera Lavas)
- Nchl Upper Pliocene andesite pumice flow deposit (Piguillo Tuffs)
- Nsl Lower Pliocene andesite lava (Iberakima Lavas)
- Nbt Lower Pliocene pumice flow deposit (Bakador Tuffs)
- Ncm Upper Miocene andesite or dacite lavas (Corcorinos Lavas)
- Nmal Upper Miocene dacite lava (Munaypita Lavas)
- Nml Upper Miocene andesite lava (Negro Lavas)
- Nac Upper Miocene andesite or dacite lava (Seoich Lavas)
- Nsal Middle to Upper Miocene diorite lava (Sauce Lavas)
- Lineament
- Hydrothermal alteration zone
- Pyrite
- Yello azurite



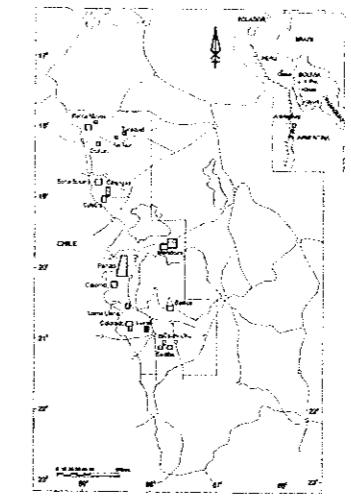
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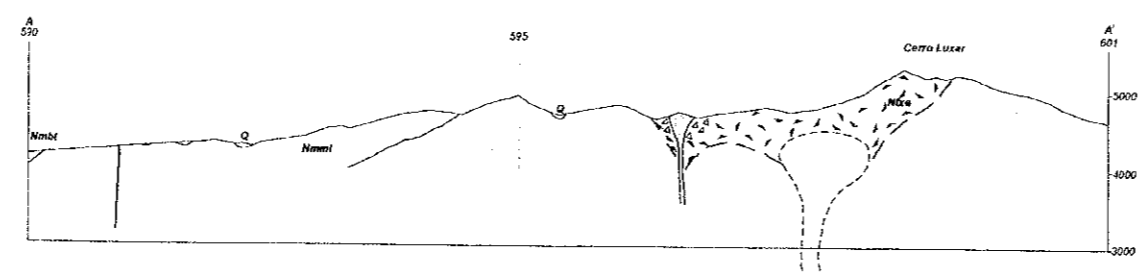
Pl.-14

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Map
of
The Luxsar District

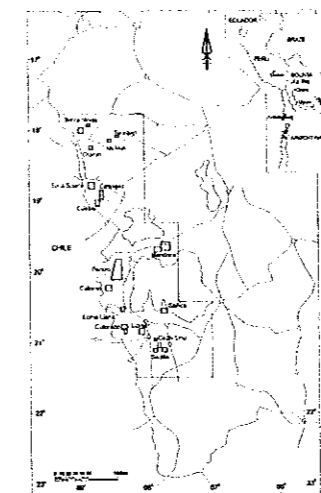


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

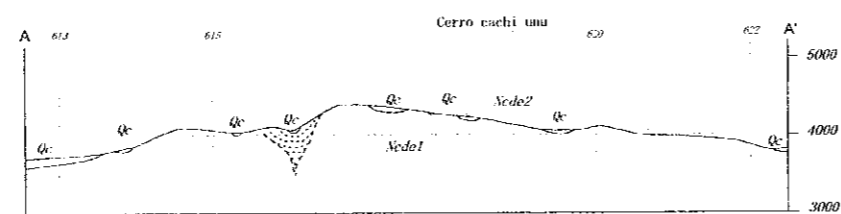
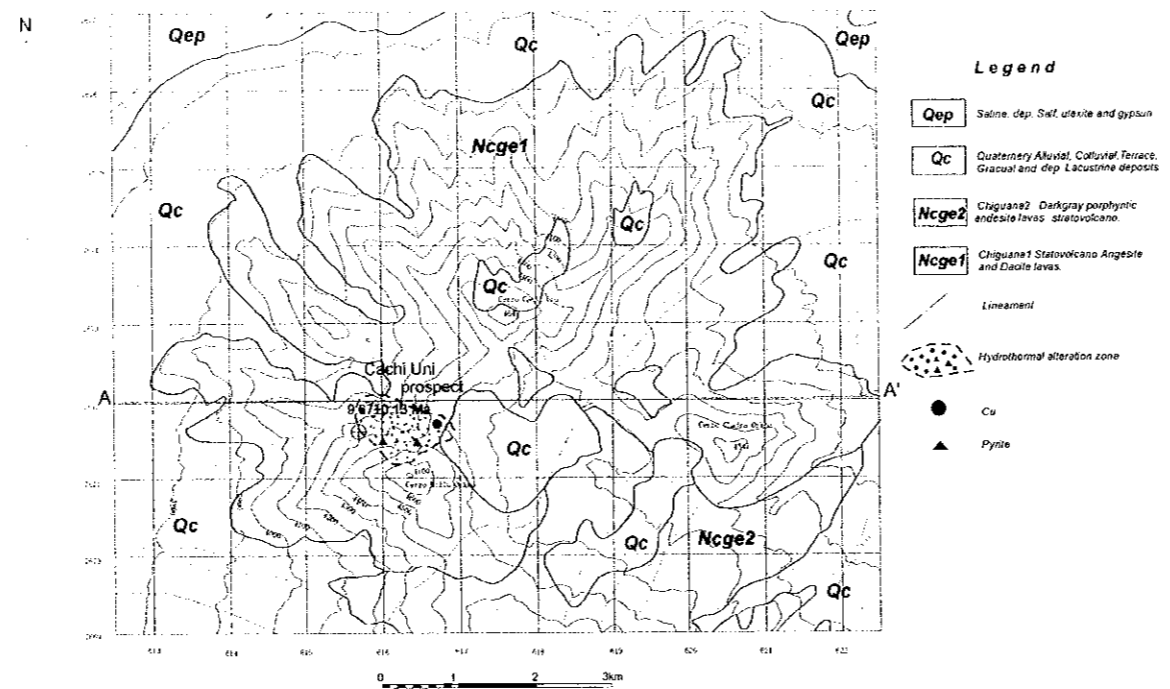


THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Map
of
The Cachi Unu District

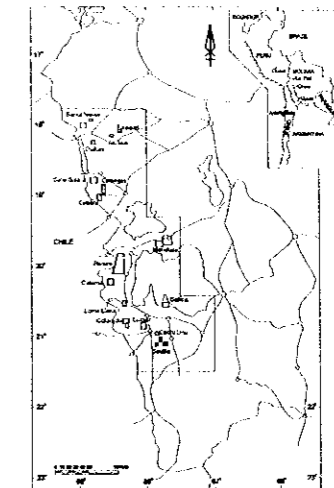


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



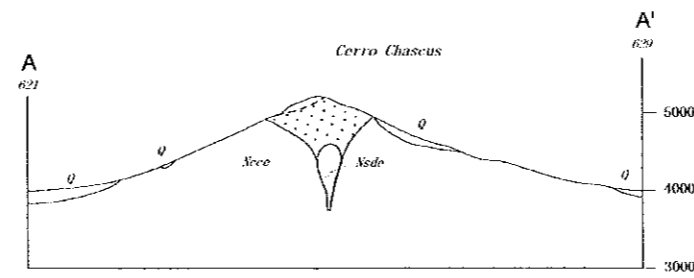
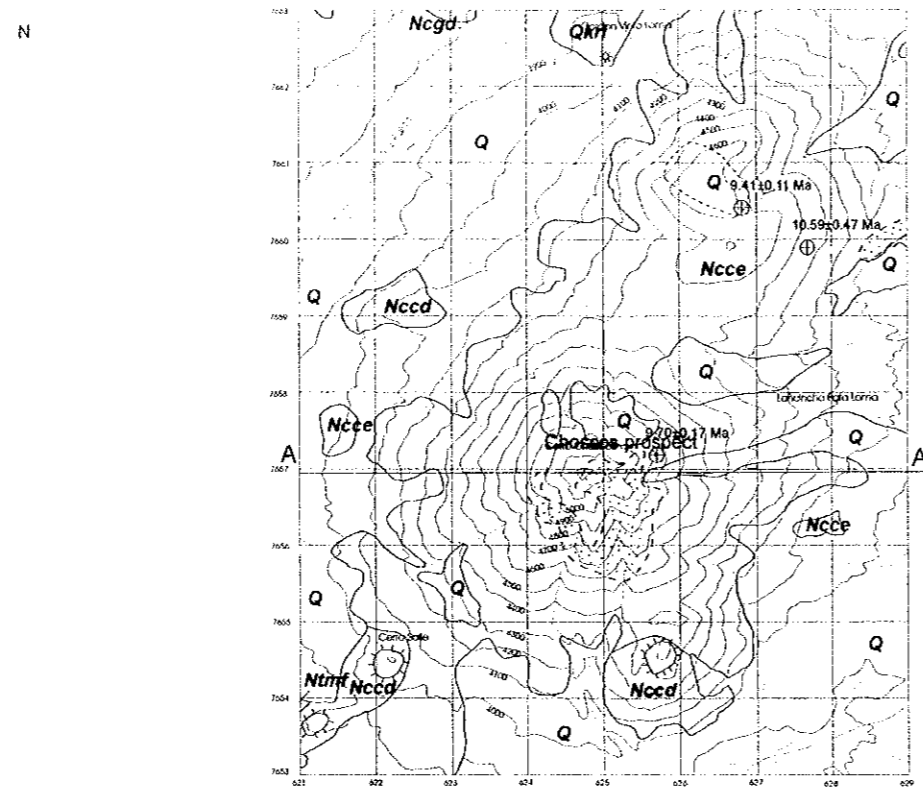
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Map
of
The Sedilla District

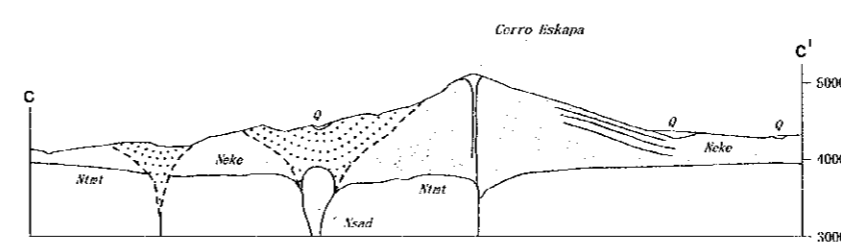
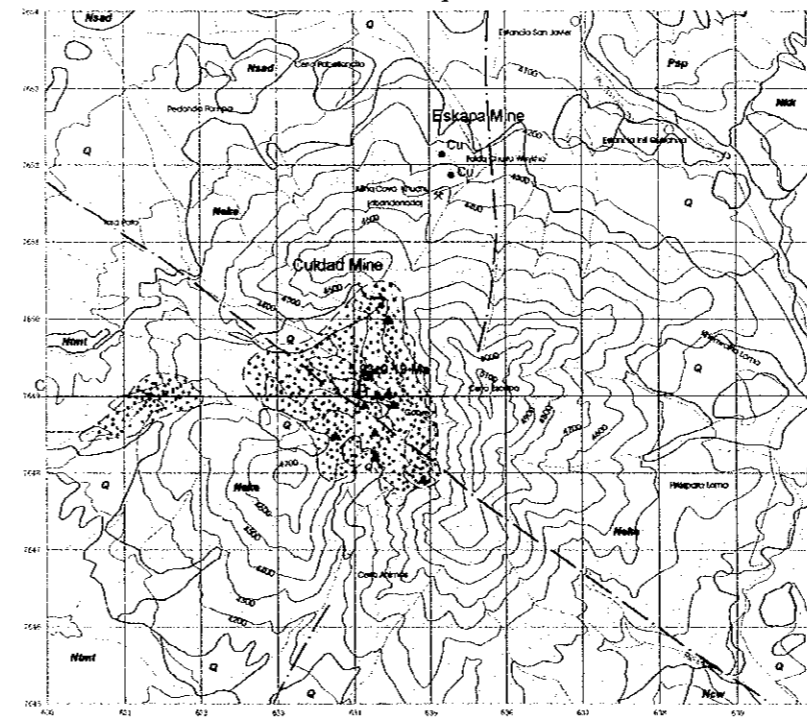


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

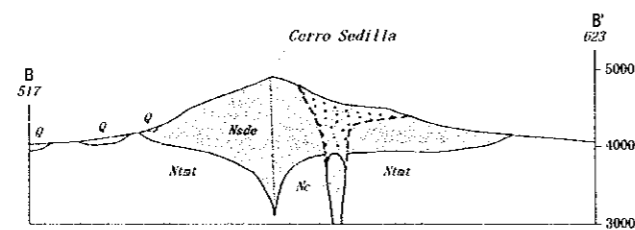
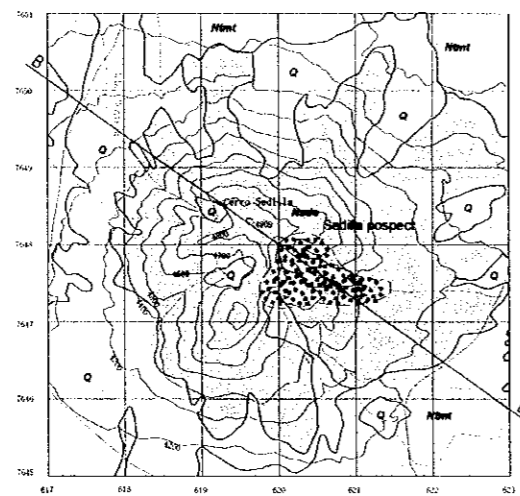
Chascos



Eskapa



Sedilla



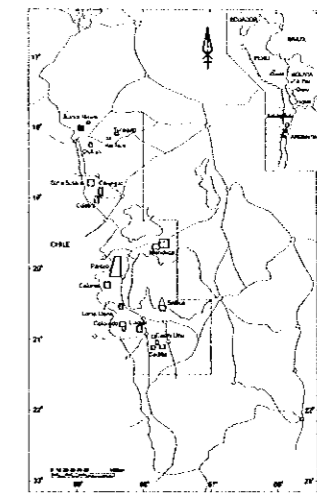
LEGEND

- Q** Quaternary deposits.
- Qkrt** Kallerini lavas. Basaltic andesite.
- Nccd** Chascos domes. Gray porphyritic dacite lavas.
- Ncgg** Chiguana domes. Porphyritic dacite lavas.
- Ncce** Chascos stratovolcanoes. Basaltic andesite lavas.
- Ntmf** Tomesmituff. White pumice and ashflow deposits.
- Volcanic dome.
- Hydrothermal alteration zone.

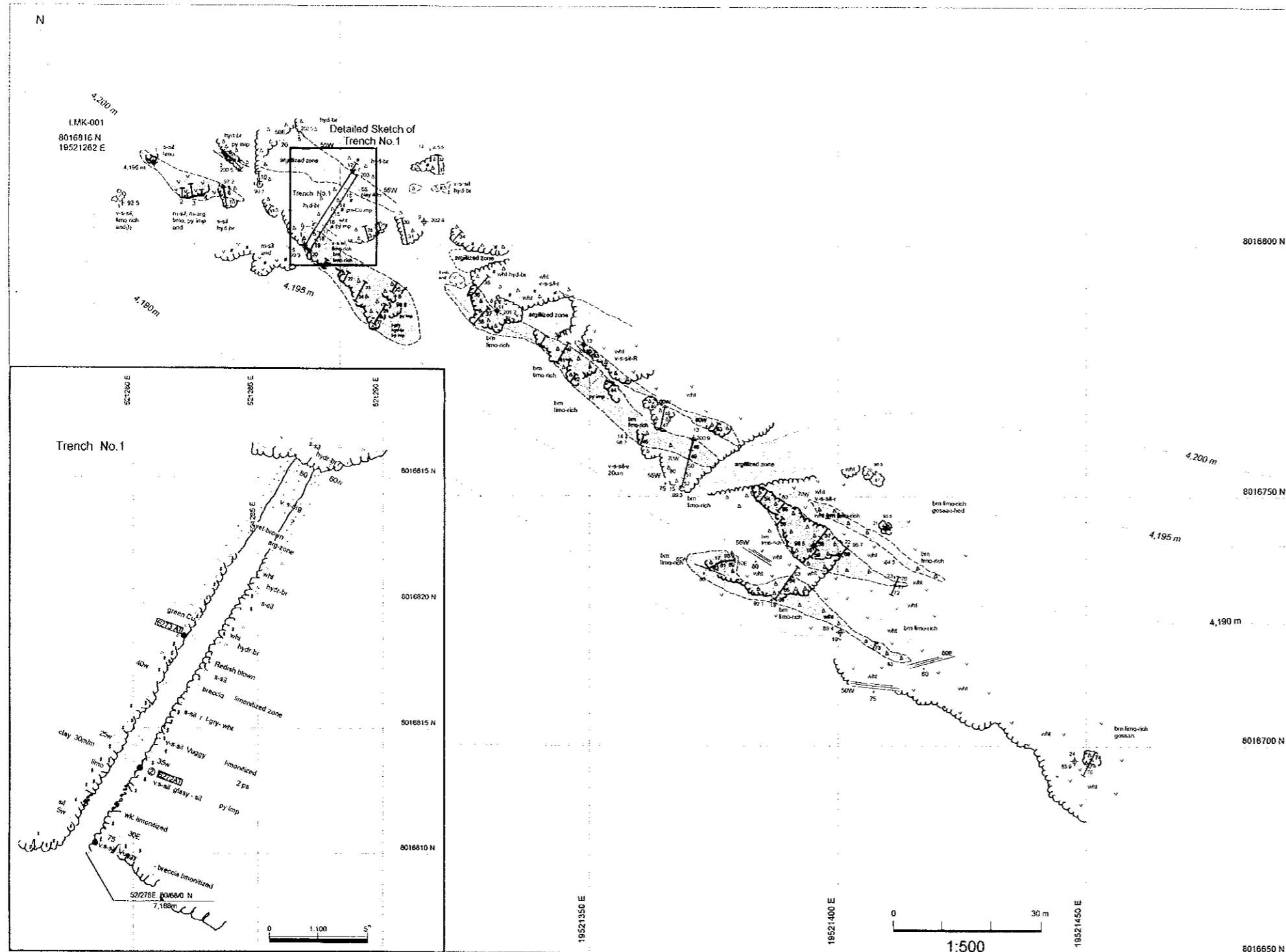


THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Blanca Nieves District (Titicayo)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



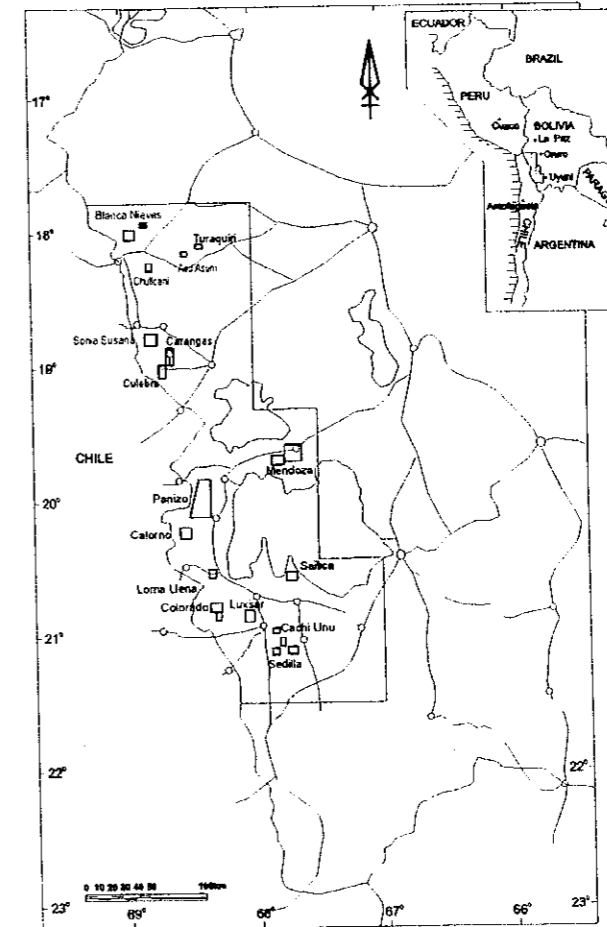
- Legend**
- andesite
 - hydrothermal breccia
 - sulfidized zone
 - argillized
 - iron-rich
 - joint, fissure, fracture
 - sampling point

Assay Result of Ore Samples

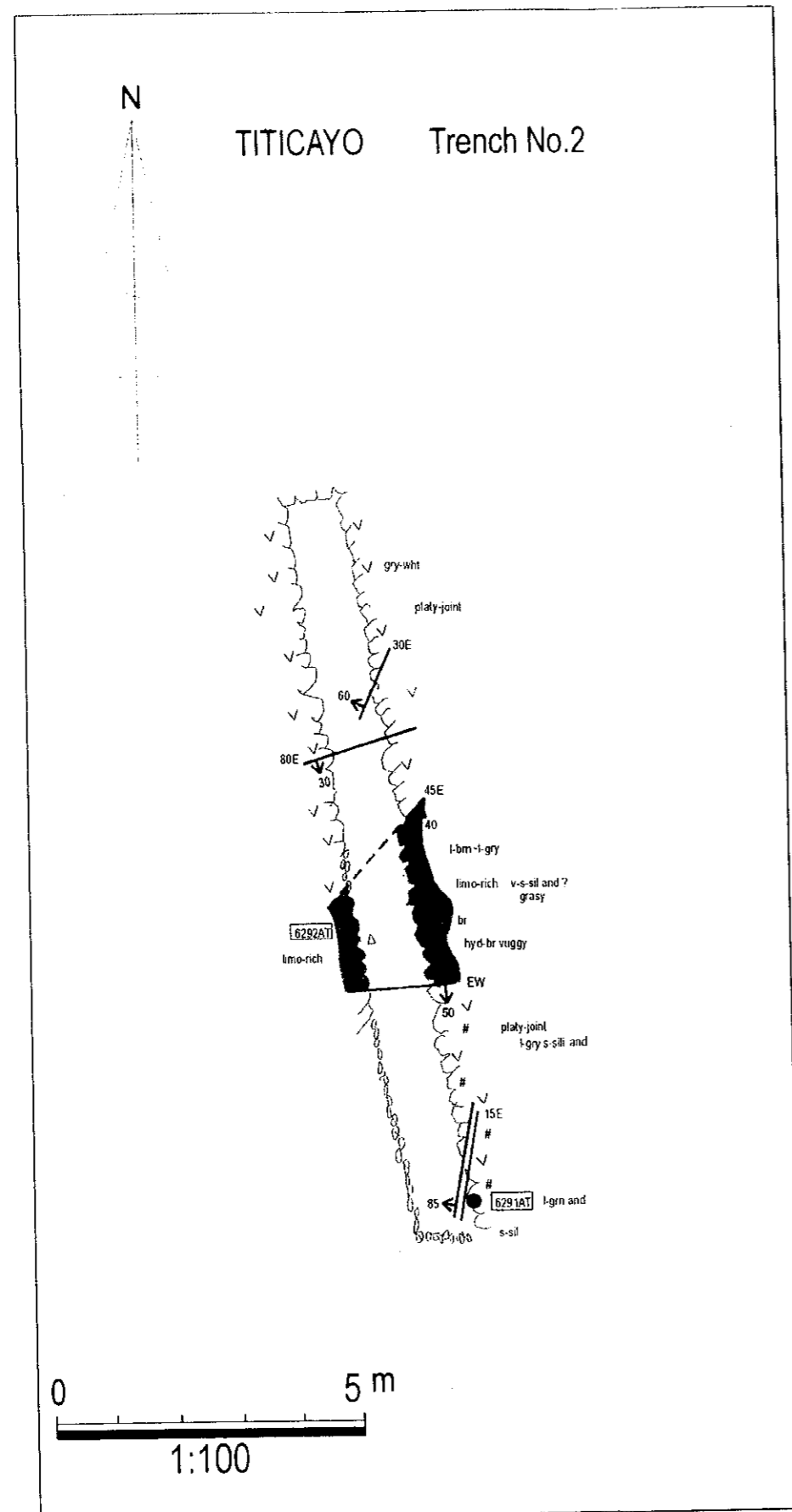
Sample No.	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Ba	Sn
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
12301 MH	<2	0.6	20	1087	17	24	6	<1	5	2100	<5
12302 MH	<2	2.2	17	1175	19	21	9	<1	1	1532	<5
12303 MH	<2	5.7	40	2628	56	87	<5	<1	5	1187	<5
12304 MH	<2	7.7	58	5069	73	74	6	<1	4	681	<5
12305 MH	<2	14.8	28	9675	41	44	5	<1	3	82	<5
12306 MH	<2	8.6	41	13782	78	48	7	<1	5	107	<5
12307 MH	<2	11.2	55	7721	57	55	9	<1	4	1292	<5
12308 MH	<2	15.2	44	8366	34	125	<5	<1	4	1177	10
12309 MH	<2	3.3	18	1885	21	16	7	<1	4	2033	<5
12310 MH	<2	2.8	25	6675	130	40	<5	<1	4	275	<5
12311 MH	<2	<5	5	5695	250	30	<5	<1	2	278	<5
12312 MH	<2	6.0	30	508	24	12	6	<1	6	1121	8
12313 MH	<2	<5	4	3799	16	11	<5	<1	2	1205	<5
12314 MH	<2	1.3	4	4816	30	18	<5	<1	<1	1526	<5
12315 MH	<2	<5	6	2550	41	18	<5	<1	<1	654	<5
12316 MH	<2	3.5	16	2545	30	44	<5	<1	3	1112	<5
12317 MH	<2	56.6	16	1248	17	12	<5	<1	6	709	<5
12318 MH	<2	164	31	3964	24	163	10	<1	9	1283	14
12319 MH	<2	221	23	3281	20	117	<5	<1	6	1248	16
12320 MH	<2	143	34	2795	23	821	22	<1	10	1707	7
12321 MH	<2	207	25	6782	28	419	15	1.3	6	1742	6
12322 MH	<2	86.4	36	2928	29	484	9	<1	10	1010	6
12323 MH	<2	65.1	27	5448	30	582	6	1.4	5	1004	11
12324 MH	<2	116	21	1430	17	263	<5	<1	13	2324	<5
12325 MH	<2	4.2	28	8138	52	676	11	<1	1	296	12
12326 MH	<2	23.3	28	1990	25	224	6	1.1	10	1753	7
12327 MH	<2	20.1	19	1533	52	207	6	<1	5	2640	7
12328 MH	<2	21.2	24	3541	31	291	14	<1	8	1564	<5
12329 MH	<2	13.6	30	8938	33	230	9	<1	2	249	10
12330 MH	<2	10.7	17	987	43	41	<5	<1	2	1597	10
12331 MH	<2	15.2	9	488	20	41	6	1.3	2	1245	18
12332 MH	<2	0.6	15	4178	28	51	<5	<1	<1	1325	<5
12333 MH	<2	0.8	23	1555	71	17	<5	<1	1	2593	<5
12334 MH	<2	1.7	13	1477	38	64	<5	<1	<1	1337	<5
12335 MH	<2	5.8	9	1340	25	48	<5	<1	<1	245	<5
12336 MH	<2	50.6	27	810	40	403	<5	<1	4	2761	10
12337 MH	<2	22.8	31	5753	51	900	16	<1	5	569	8
12338 MH	<2	16.3	31	4235	29	1271	19	<1	4	1028	12
12339 MH	<2	21.8	27	2933	26	274	<5	<1	2	1534	<5
12340 MH	<2	9.2	58	1750	68	340	<5	1.3	5	1156	12
12341 MH	<2	21.3	55	2570	49	306	<5	<1	6	2014	22
12342 MH	<2	12.8	50	1888	54	75	<5	1.3	5	1411	13
12343 MH	<2	21.5	62	517	62	196	10	<1	6	2914	9
12344 MH	<2	10.6	47	364	42	139	<5	<1	3	1134	16
12345 MH	<2	20.9	30	1576	50	16	9	<1	7	1526	<5
12346 MH	<2	6.5	20	661	35	192	7	<1	2	563	<5
12347 MH	<2	4.1	15	715	19	101	<5	<1	2	521	<5
12348 MH	<2	6.3	18	1082	19	95	6	<1	2	214	<5
12349 MH	<2	98.5	24	303	18	41	8	<1	4	124	25
12350 MH	<2	150	38	1176	43	136	16	<1	4	738	13

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Blanca Nieves District (Titicayo)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

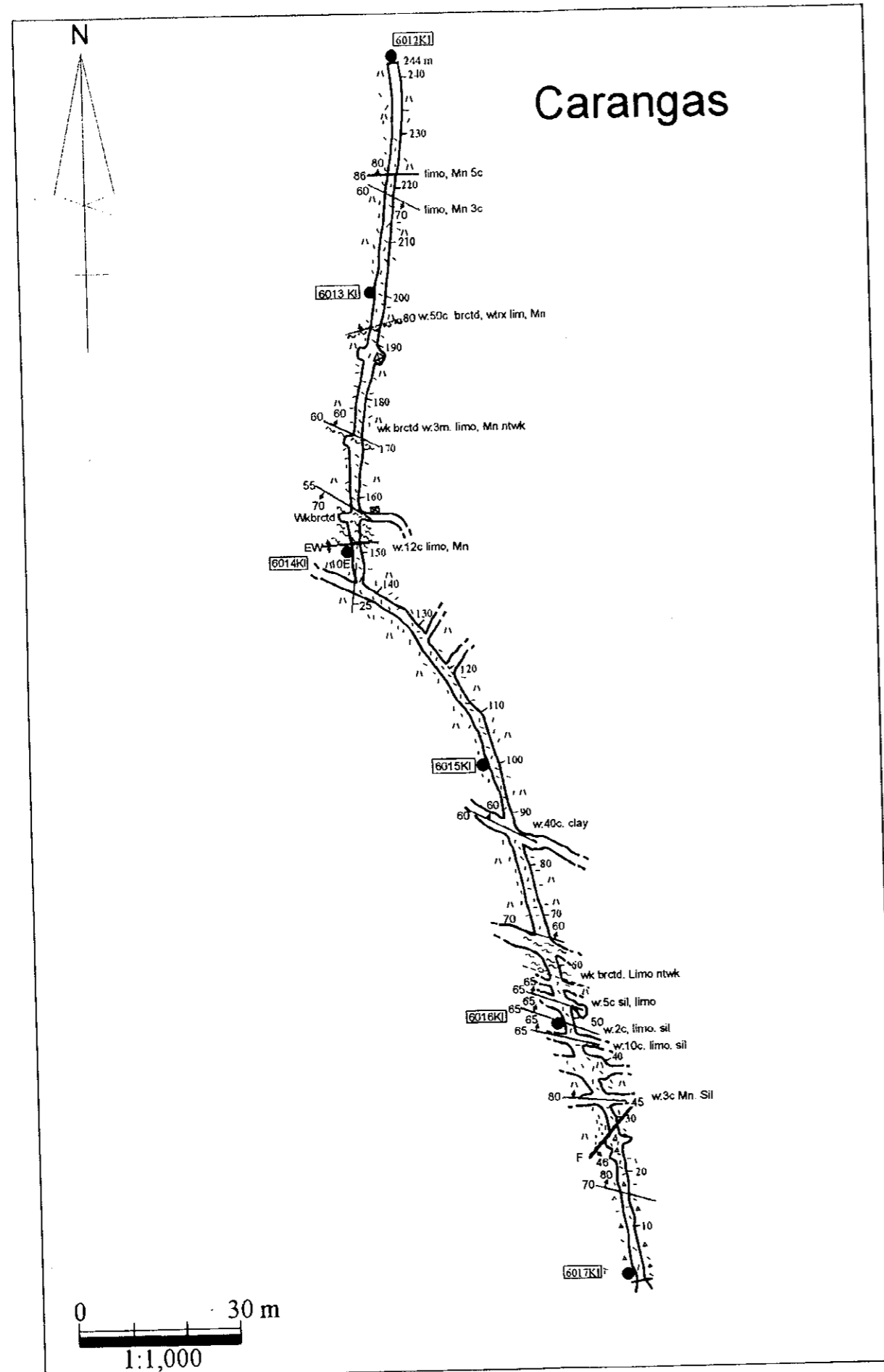


Legend

- andesite
- hydrothermal breccia
- silicified zone
- limonitized zone
- fracture, joint

Assay Result of Ore Samples

Serial No.	Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
9	6291 AT	<2	229	27	452	25	12	6	<1	7	2114	<5
10	6292 AT	<2	55.5	31	96	13	7	<5	<1	8	3644	<5



- Legend**
- tuff breccia
 - tuff
 - shear zone
 - vein, fracture
 - fault

Assay Result of Ore Samples

Serial No.	Sample No.	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Ba	Sr
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95	6012 KI	<2	2	15	241	554	22	24	<1	<1	670	<5
96	6013 KI	<2	112	73	3964	1343	31	20	<1	<1	1419	<5
97	6014 KI	<2	17.9	85	885	1054	21	14	<1	1	1070	<5
98	6015 KI	<2	47.4	76	7061	6532	22	17	<1	1	600	<5
99	6016 KI	<2	45.7	87	19800	2743	21	12	<1	1	842	<5
100	6017 KI	<2	15.3	16	1907	351	72	11	<1	<1	1268	<5

PL-19

**THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA**

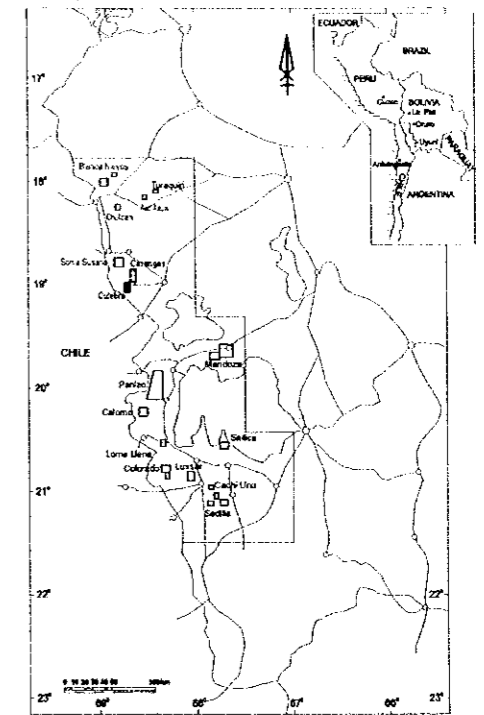
Geological Sketch
in
The Carangas District (Mina Carangas)

Map details include:
 - Countries: ECUADOR, BRAZIL, PERU, ARGENTINA, CHILE.
 - Cities: La Paz, Cochabamba, Sucre, Oruro, Potosí, Uyuni, Carangas, Parí, Calama, Loma Lienta, Colono, Lupa, Cachi Uno, Sedila, Mendoza.
 - Coordinates: 17°N to 23°S, 65°W to 69°W.
 - Scale: 0 to 100 km.

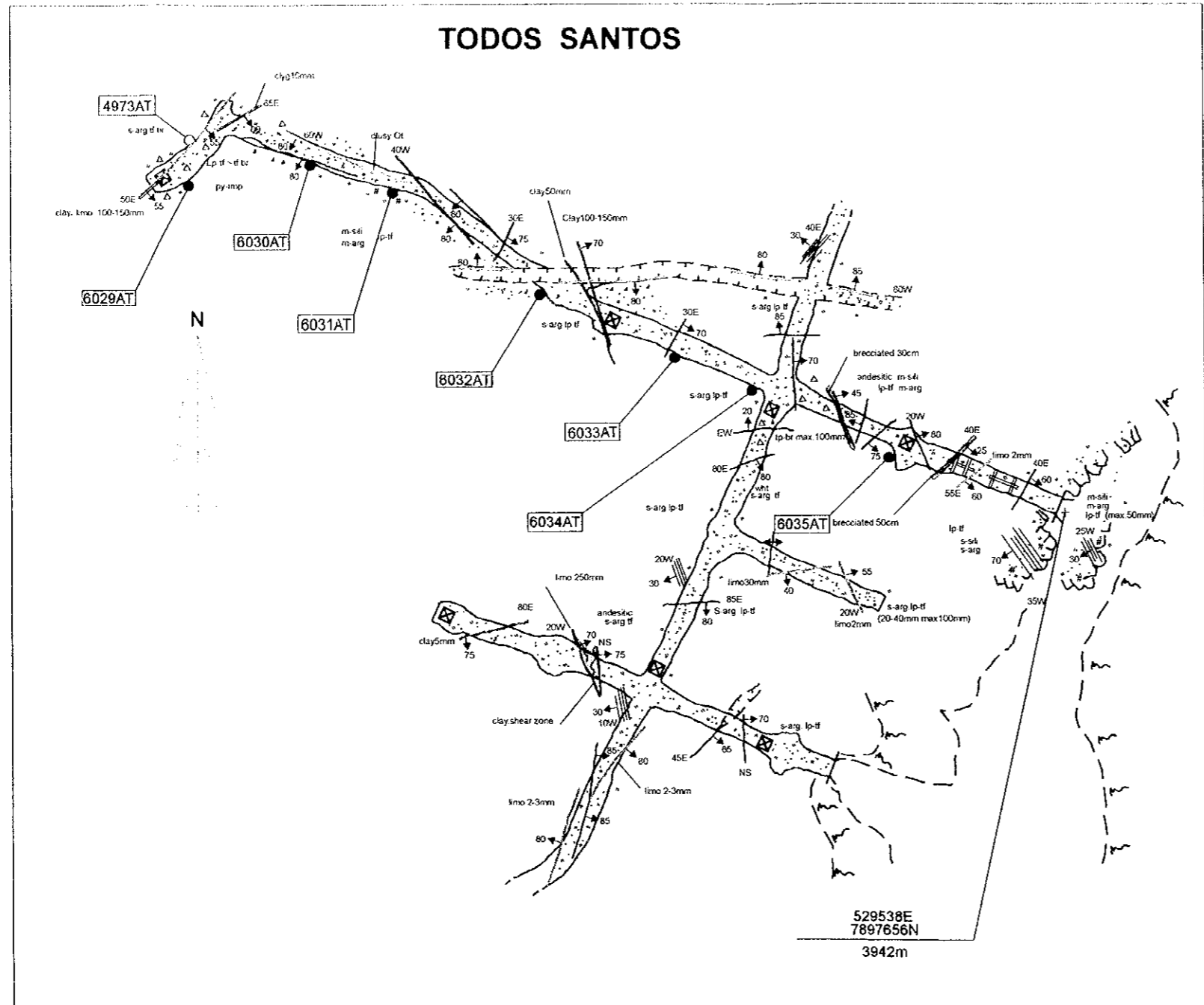
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

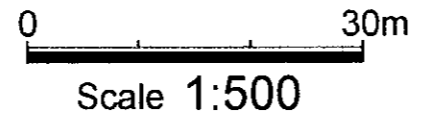
Geological Sketch
in
The Culebra District (Mina Todos Santos)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



- Legend
- lapilli tuff
 - tuff breccia
 - silicification
 - argillization
 - limo Mn vein
 - clay vein
 - quartz vein

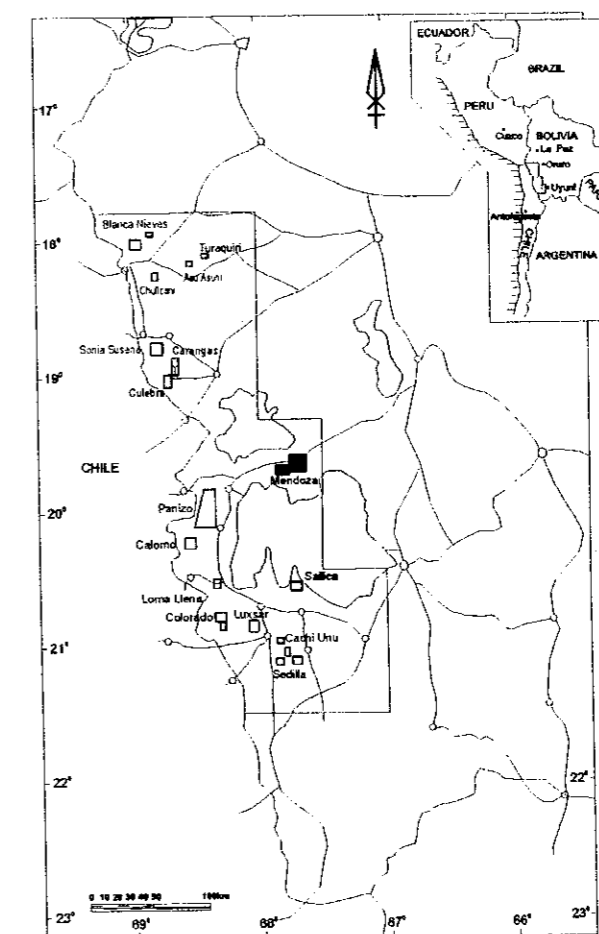


Assay Result of Ore Samples

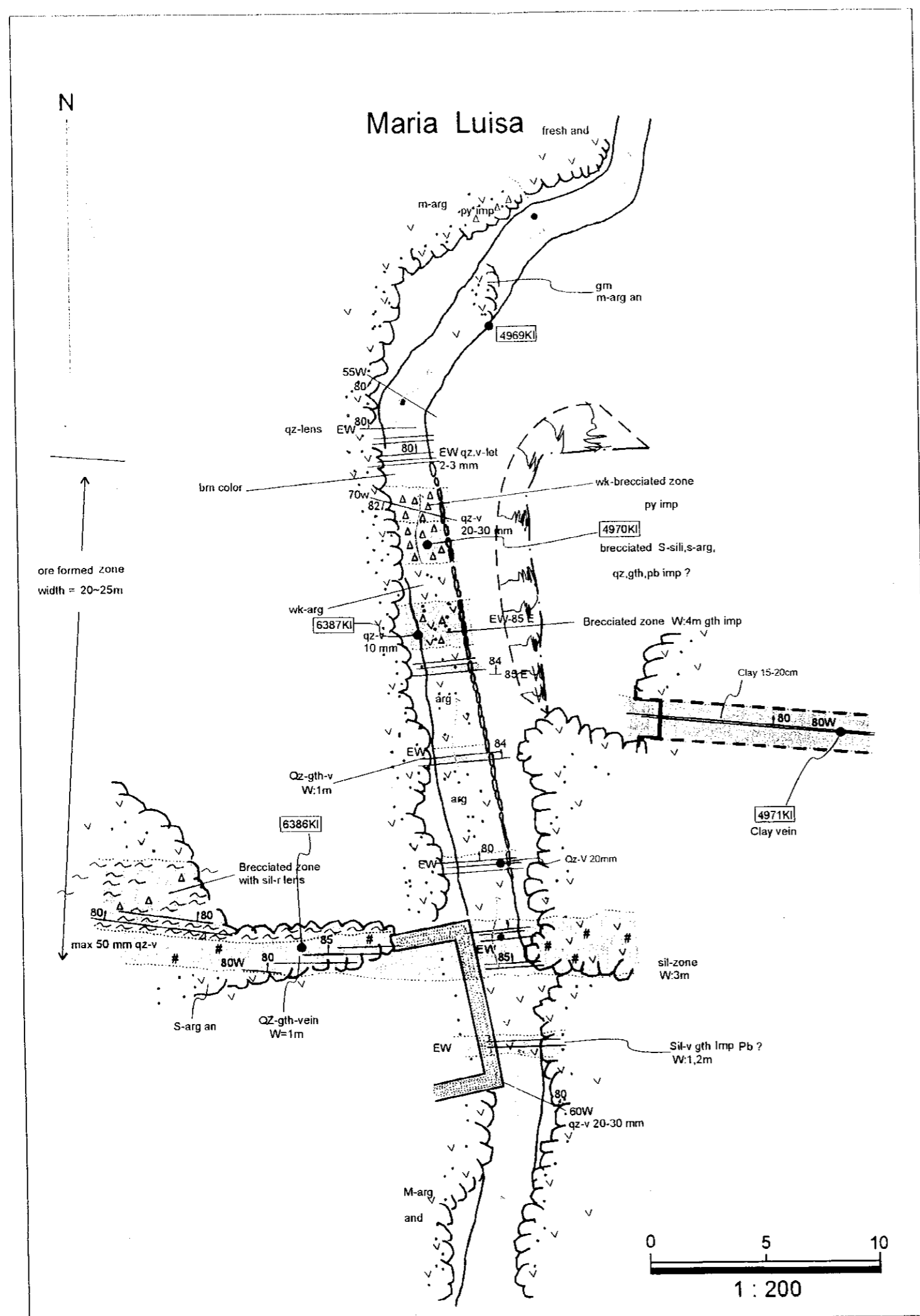
Serial No.	Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
103	6029 AT	<2	45.4	64	8200	5886	83	20	<1	3	931	<5
104	6030 AT	<2	33	94	2642	63799	170	9	<1	<1	106	<5
105	6031 AT	<2	19.3	56	2659	16523	123	10	<1	<1	616	<5
106	6032 AT	<2	83.2	110	5159	19604	140	17	<1	<1	1015	<5
107	6033 AT	<2	32.8	5	1988	5928	112	12	<1	<1	881	<5
108	6034 AT	<2	35	18	3173	16434	102	11	<1	<1	820	<5
109	6035 AT	<2	240	63	19500	680	74	17	<1	<1	1250	<5

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Mendoza District (Mina Maria Luisa)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



Legend

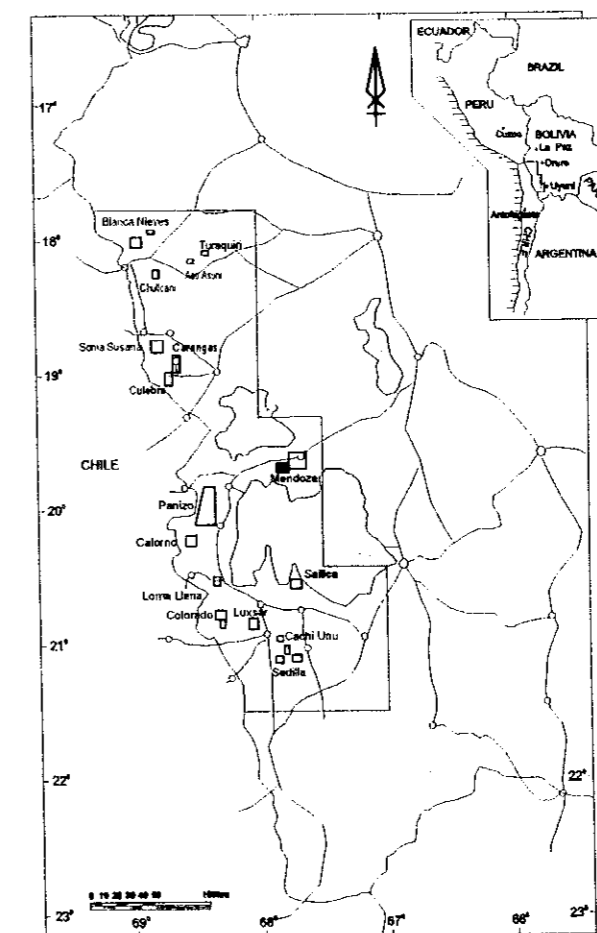
- andesite
- silicified zone
- argillized zone
- brecciated zone
- shear zone
- pyrite impregnation
- quartz vein
- clay vein

Assay Result of Ore Samples

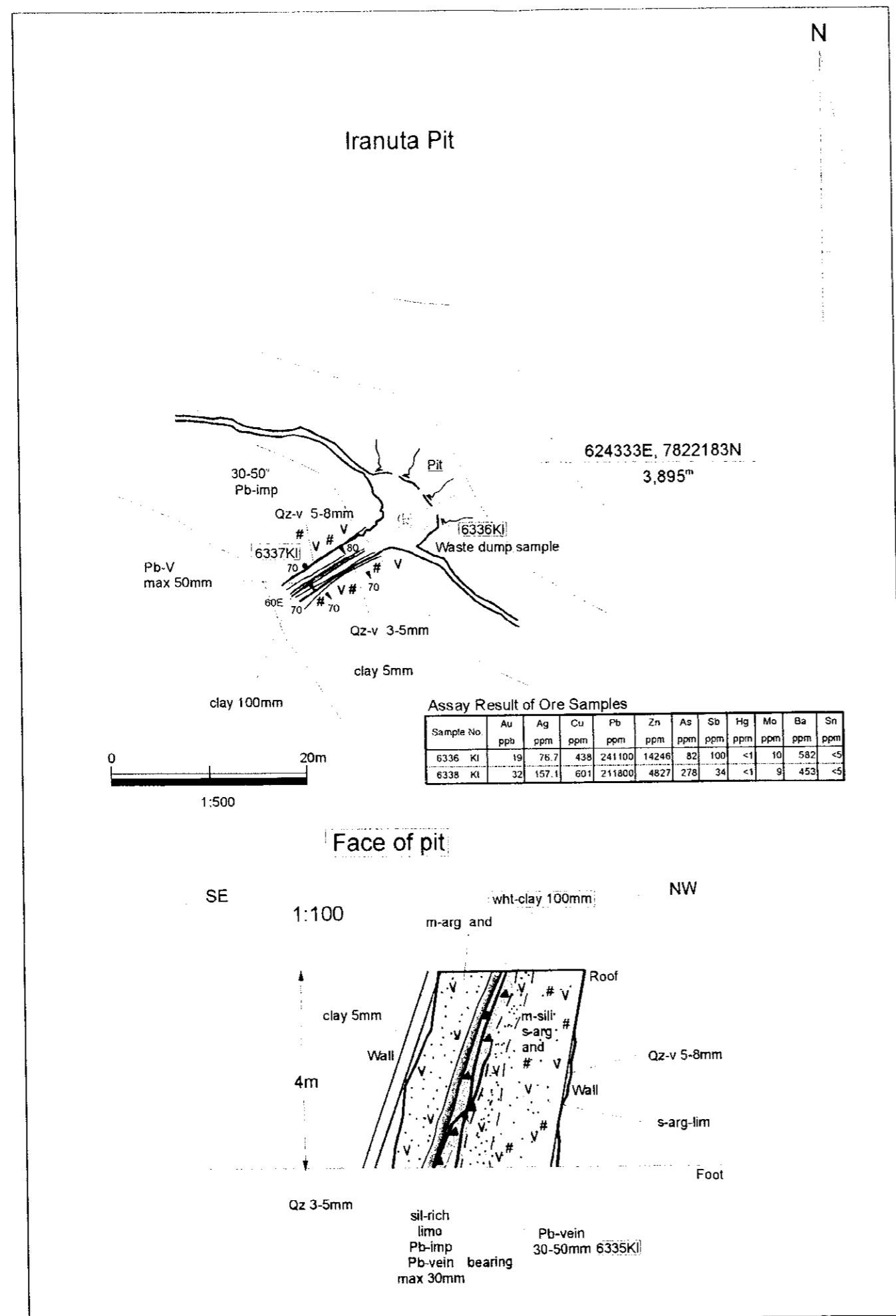
Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
6386 KI	460	1108	1175	30600	7319	58	48	<1	19	749	<5
6387 KI	25	51	33	7385	3827	40	30	6.6	6	375	<5

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Mendoza District (Iranuta)

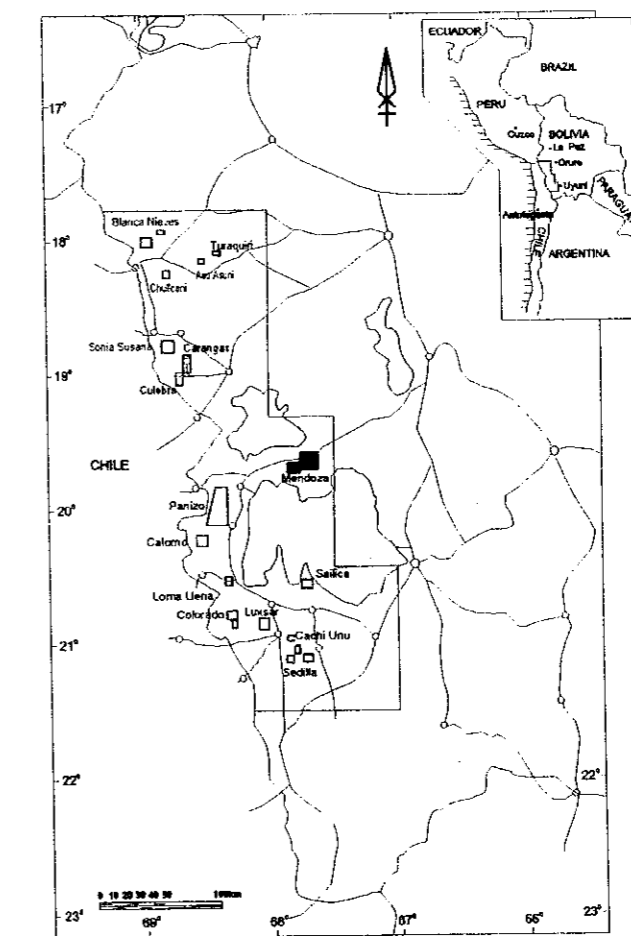


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



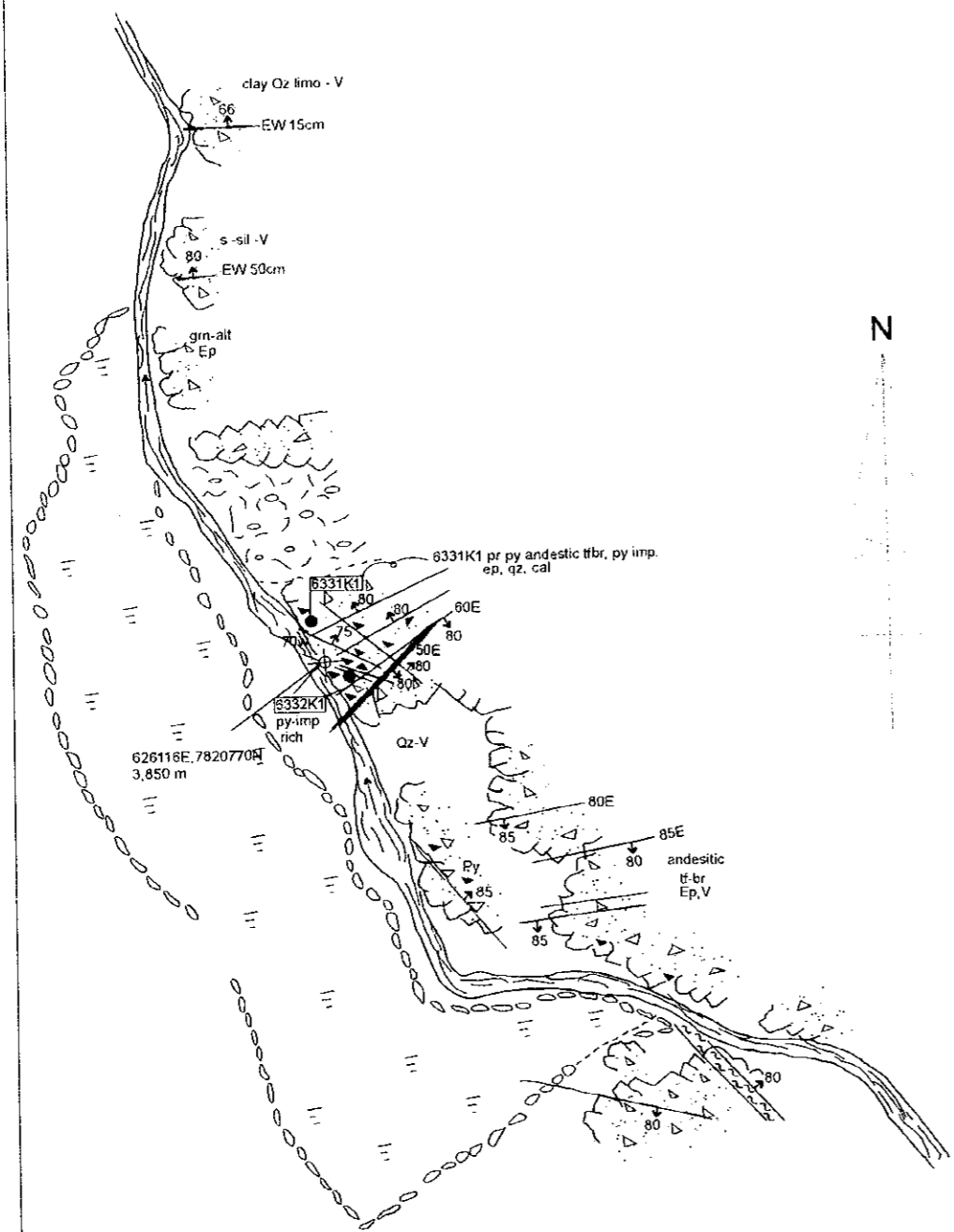
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Mendoza District (Iranuta)



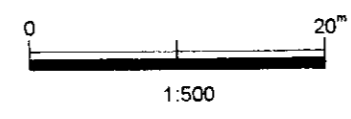
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

Iranuta



Assay Result of Ore Samples

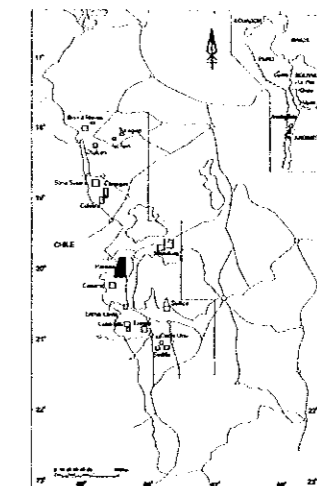
Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
6031 AT	<2	19.3	56	2659	18523	123	10	<1	<1	616	<5
6032 AT	<2	83.2	110	5159	19604	140	17	<1	<1	1015	<5



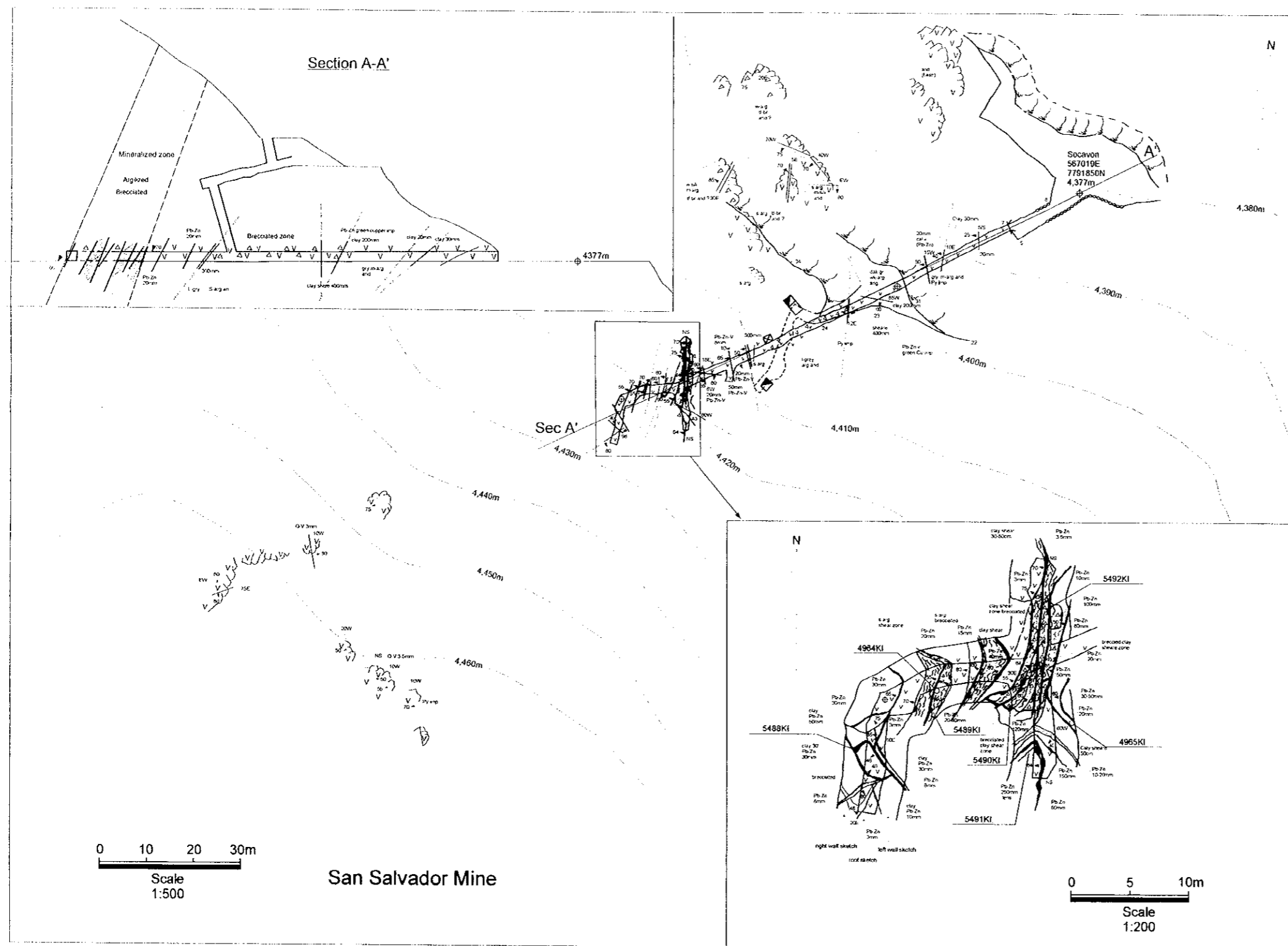
Legend

- tuff breccia
- argillized zone
- pyrite impregnation
- shear zone
- quartz vein
- fracture, fissure joint

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA
Geological Sketch
in
The Pauizo District (Chinchilluma)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

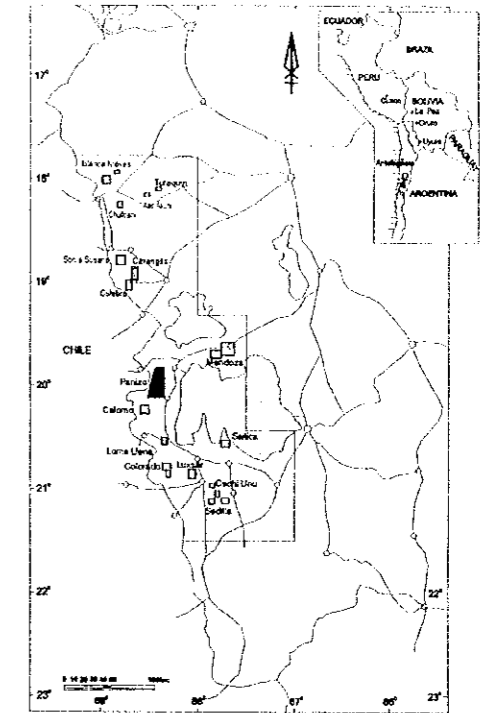


Assay Result of Ore Samples

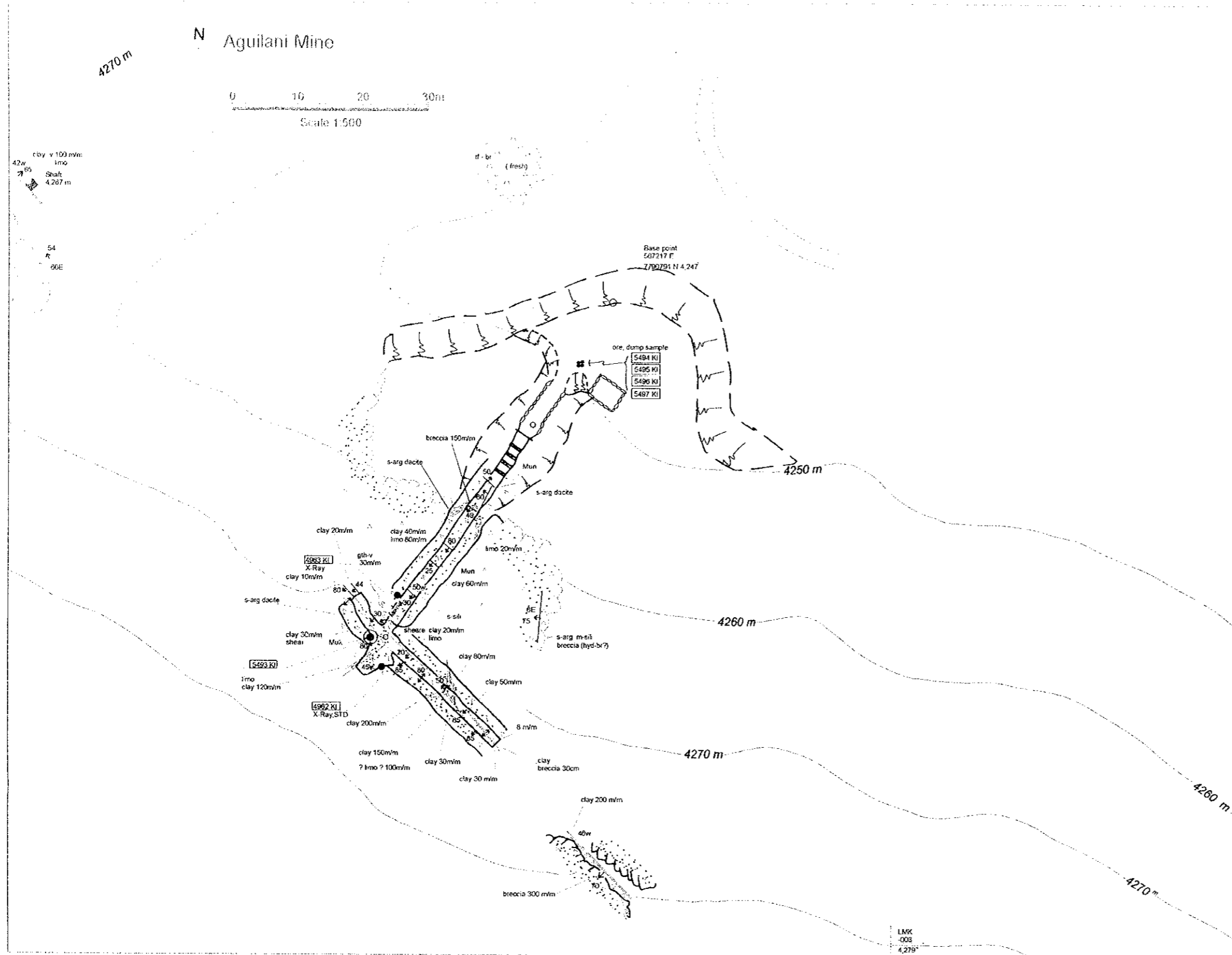
Sample No.	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Ba	Sn
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
5488 KI	1305	79.8	361	59000	40275	1949	51	<1	107	72	<5
5489 KI	348	83.8	1358	37700	279334	274	58	<1	1	189	<5
5490 KI	284	171.1	4097	89500	229006	553	350	<1	18	85	<5
5491 KI	225	209.5	5051	118800	354923	549	387	<1	33	89	<5
5492 KI	460	982	5402	82600	292821	1125	368	<1	53	203	<5

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Panizo District (Chinchiluma)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001



Legend

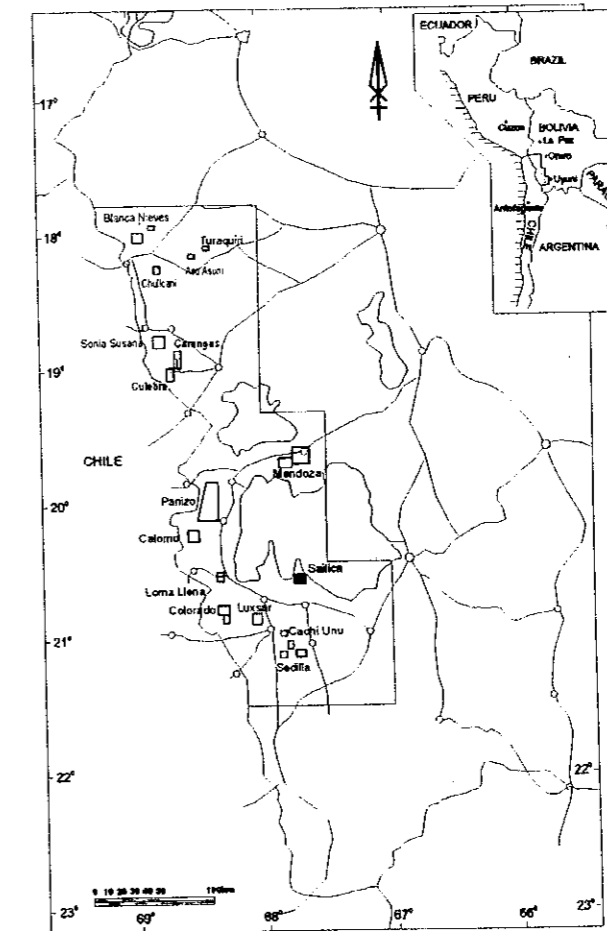
- dacite
- hill breccia
- silicified zone
- argillization
- shear zone
- clay vein

Assay Result of Ore Samples

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
5493 KI	349	100	1308	58700	24445	494	76	4.1	49	16	<5
5494 KI	29	29.8	132	1394	5484	46	7	<1	11	784	<5
5495 KI	549	338	26705	5613	65781	510	93	<1	10	39	31
5496 KI	1197	678	47279	1888	35657	888	446	<1	15	<2	83
5497 KI	660	470	23476	29500	107054	1271	193	<1	15	25	39

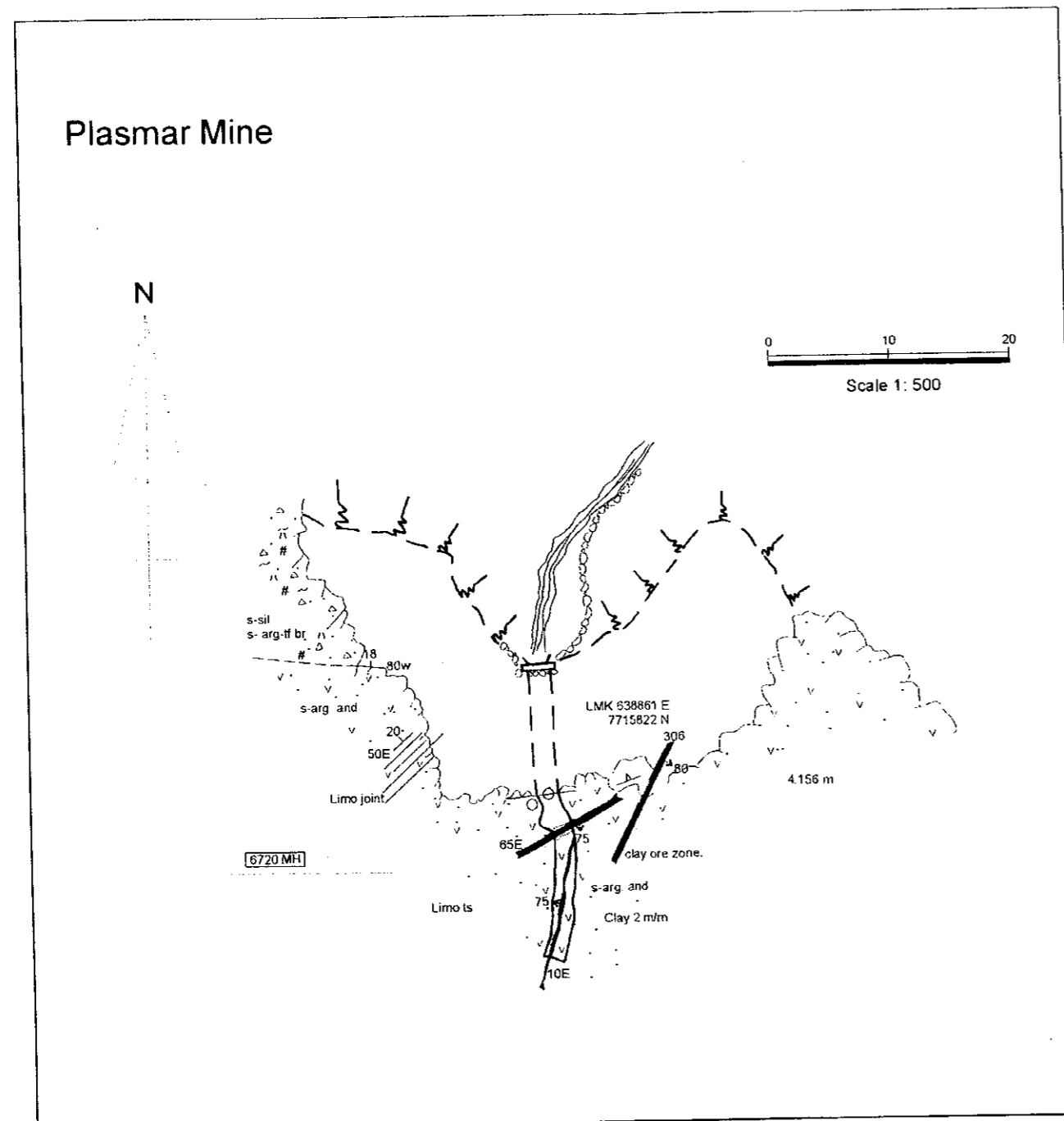
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Panizo District (Plasmar Mine)



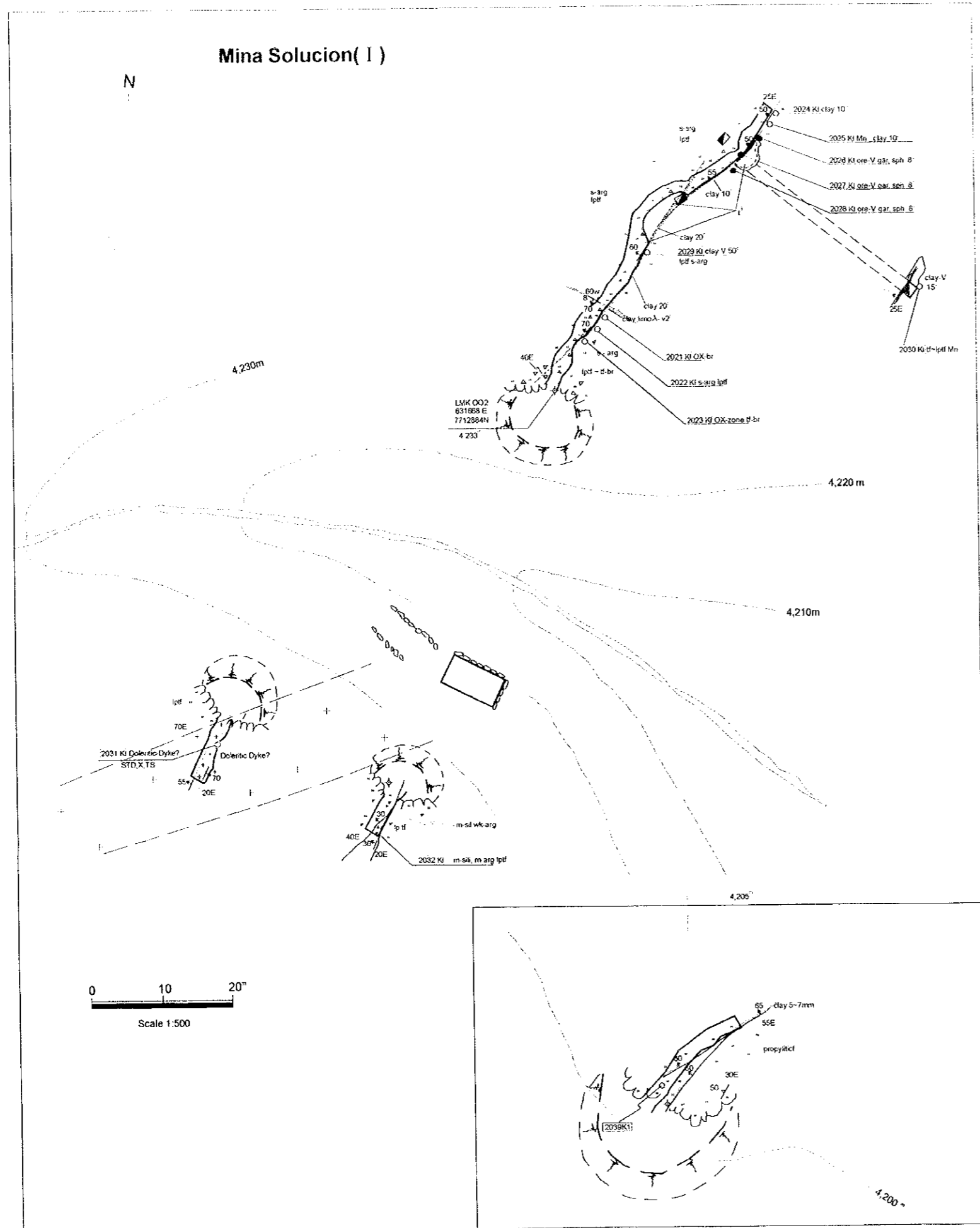
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

Plasmar Mine



Legend

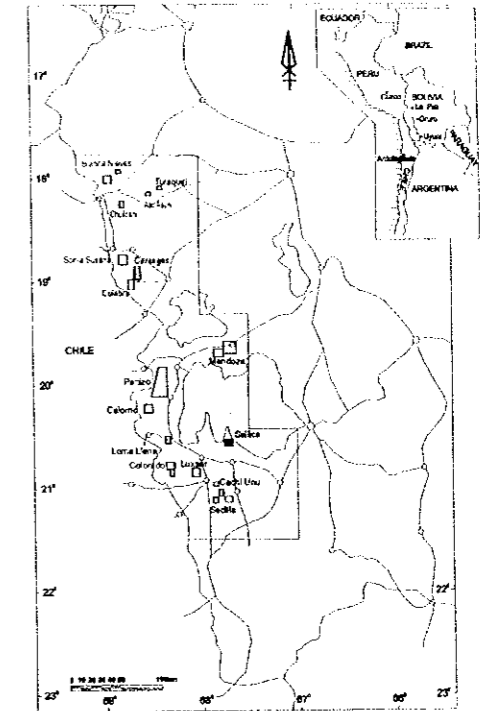
- andesite
- tuff breccia
- silicified zone
- argillized zone
- clay vein
- joint



- Legend**
- tuff breccia
 - tuff
 - doleritic dyke
 - clay vein
 - ore vein

THE MINERAL EXPLORATION IN THE ORURO-UYUNI AREA OF THE REPUBLIC OF BOLIVIA

Geological Sketch in The Saïlica District (Mina Solucion)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

Assay Result of Ore Samples

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
2024 KI	14	1.1	15	266	1374	29	23	<1	1	1365	<5
2025 KI	345	124.9	1195	14869	20293	136	270	<1	2	661	<5
2026 KI	1422	474	2365	85500	140533	376	789	<1	17	275	37
2027 KI	1944	603	1990	118900	252491	463	886	2.0	26	113	<5
2028 KI	406	166.7	583	43800	65805	219	248	<1	29	337	<5
2029 KI	3	0.6	9	162	1266	12	23	<1	<1	1238	<5
2030 KI	15	4.3	180	1153	4415	130	31	<1	1	420	<5
2032 KI	95	47.3	849	5776	7794	190	120	<1	9	454	<5
2033 KI	<2	<5	19	16	71	<5	5	<1	<1	227	<5
2035 KI	4	11.3	1186	1285	1315	252	35	<1	35	20	<5

ESKAPA

Mineralized zone
(Green copper)

N

LEVEL 1

4,183'

4,190'

LEVEL 2

4,200'

Base Point
635205E
7852178N

4,204'

2012KI

4,210'

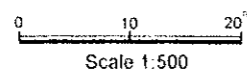
4,208'

LEVEL 3

4,320'

4,322' 635308E 7851904N

4,330'



Legend

- andesite
- malachite vein
- foliation

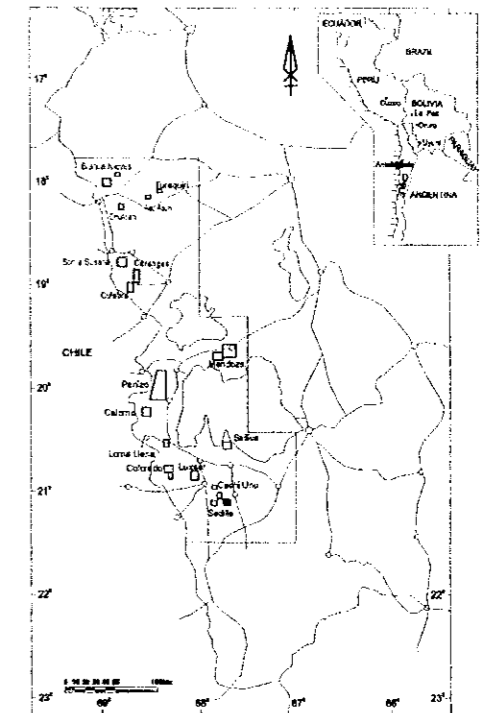
Assay Result of Ore Samples

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ba ppm	Sn ppm
2012 KI	<2	15.5	60406	<3	139	<5	<5	<1	1	1453	<5

PL-28

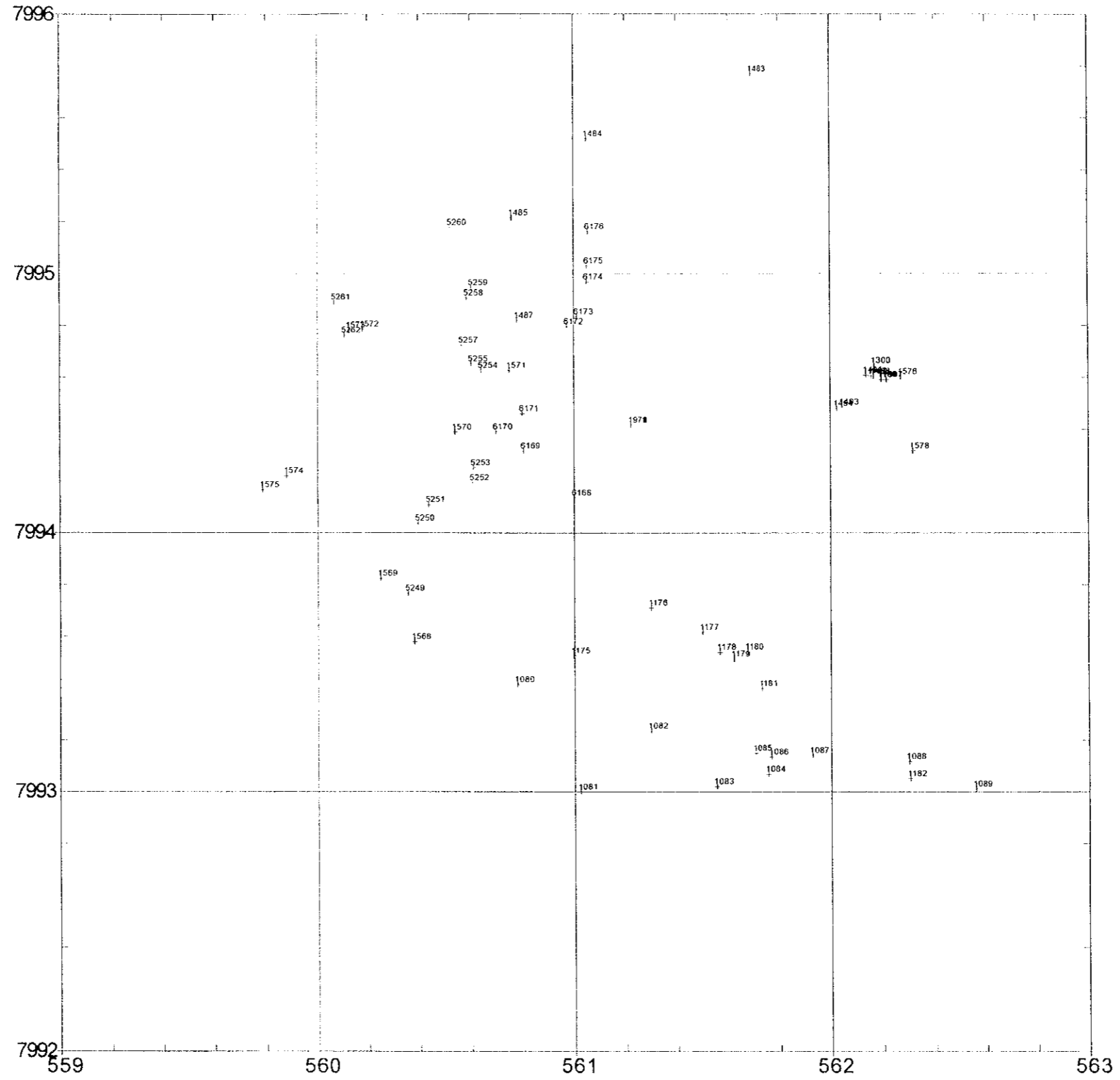
THE MINERAL EXPLORATION IN THE ORURO-UYUNI AREA OF THE REPUBLIC OF BOLIVIA

Geological Sketch
in
The Selilla District (Mina Eskapa)

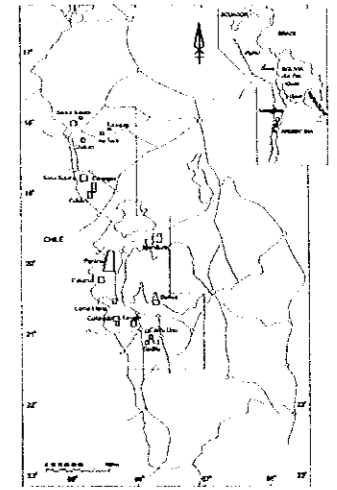


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

Turaquiri



THE MINERAL EXPLORATION
IN THE URURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA
Location Map of rock samples
in
The Turaquiri District (1:10,000)

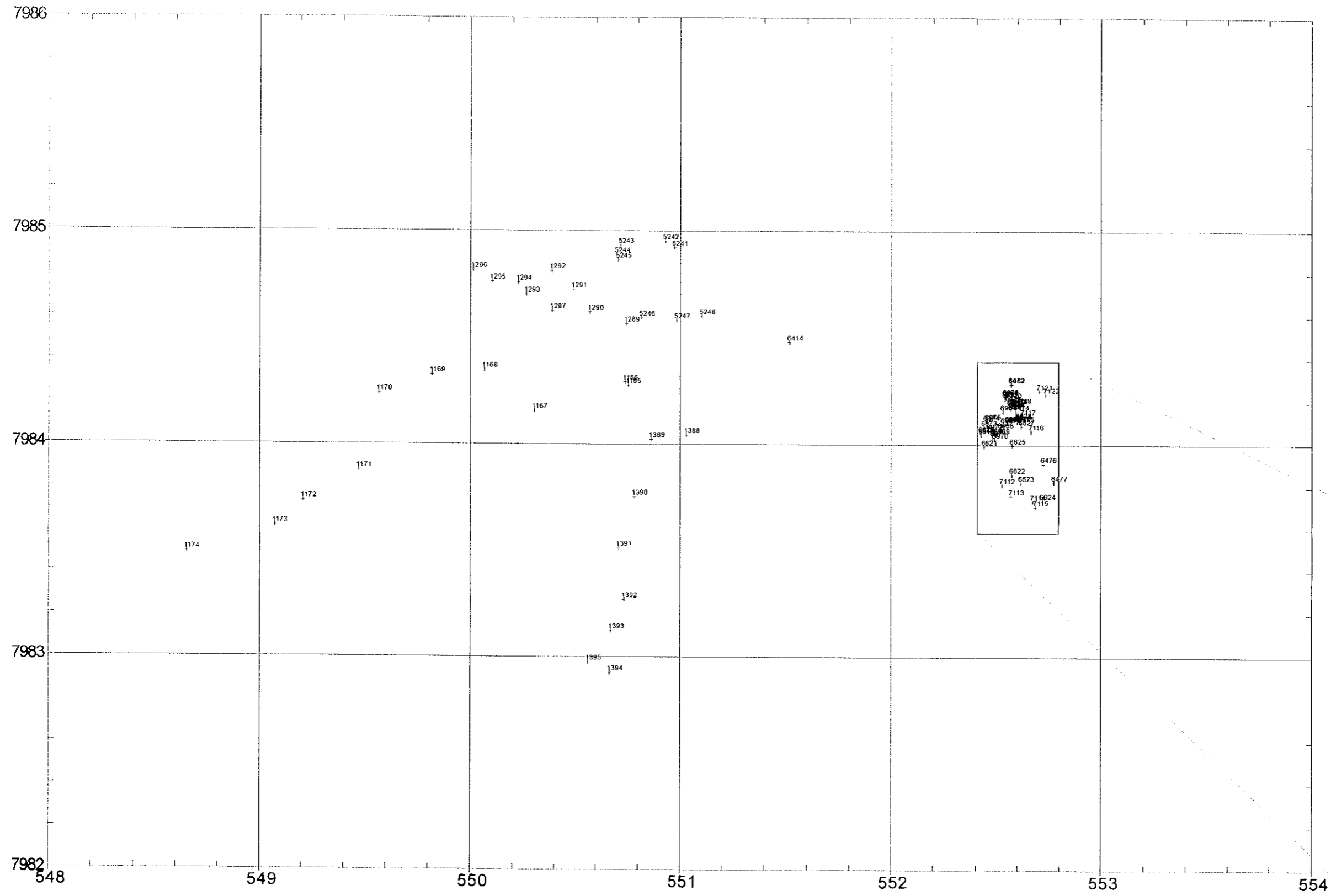


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

Legend

- No. Phase II Survey
- No. Phase I Survey

Asu Asuni



Legend

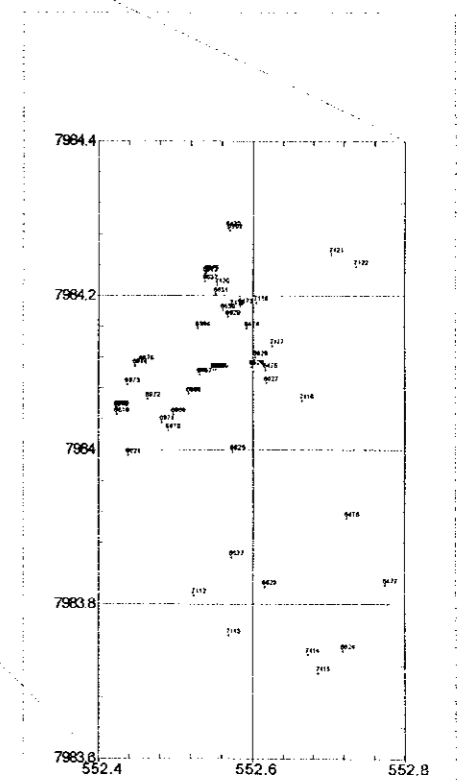
- No. Phase II Survey
- No. Phase I Survey

PI-30

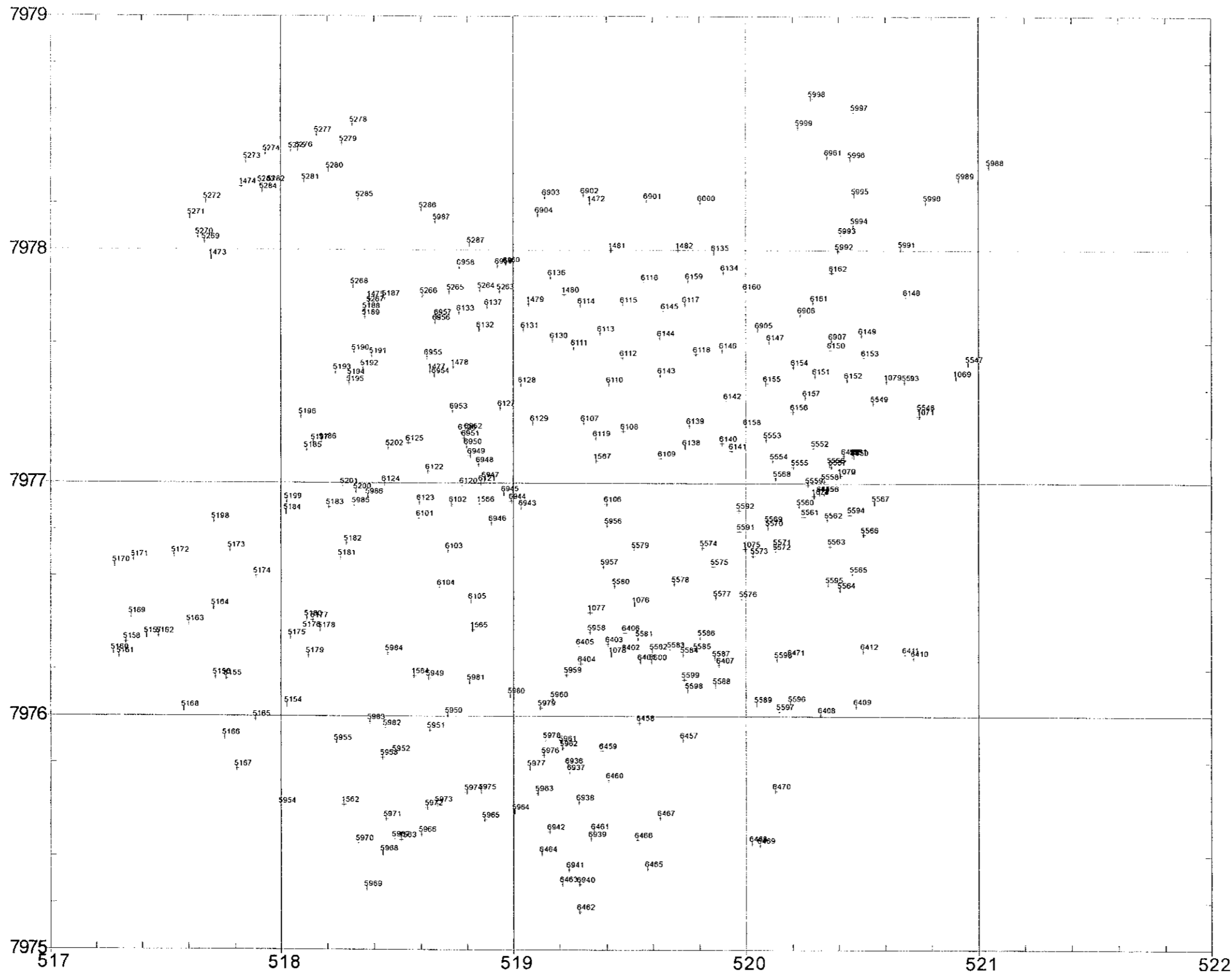
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Location Map of rock samples
in
The Asu Asuni District (1:10,000)

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

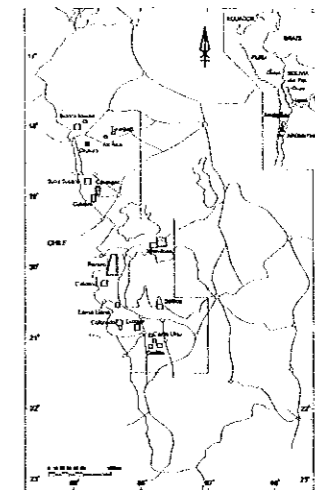


Chullcani



THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Location Map of rock samples
in
The Chullcani District (1:10,000)

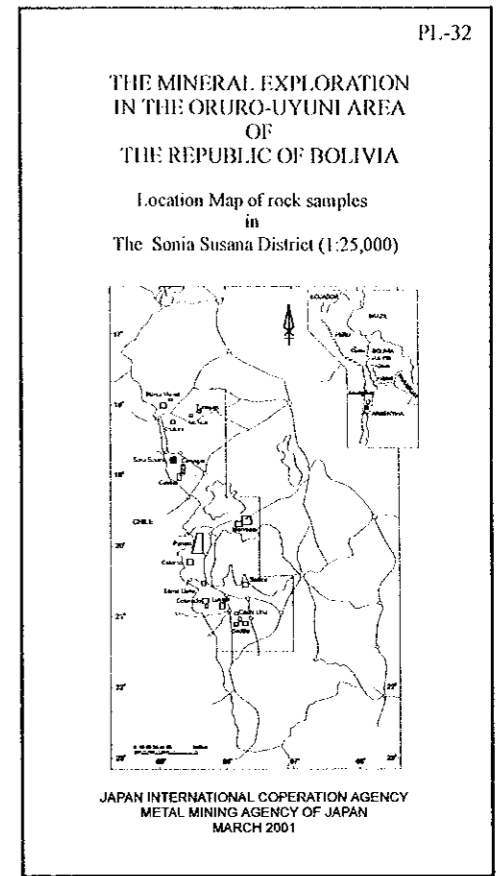
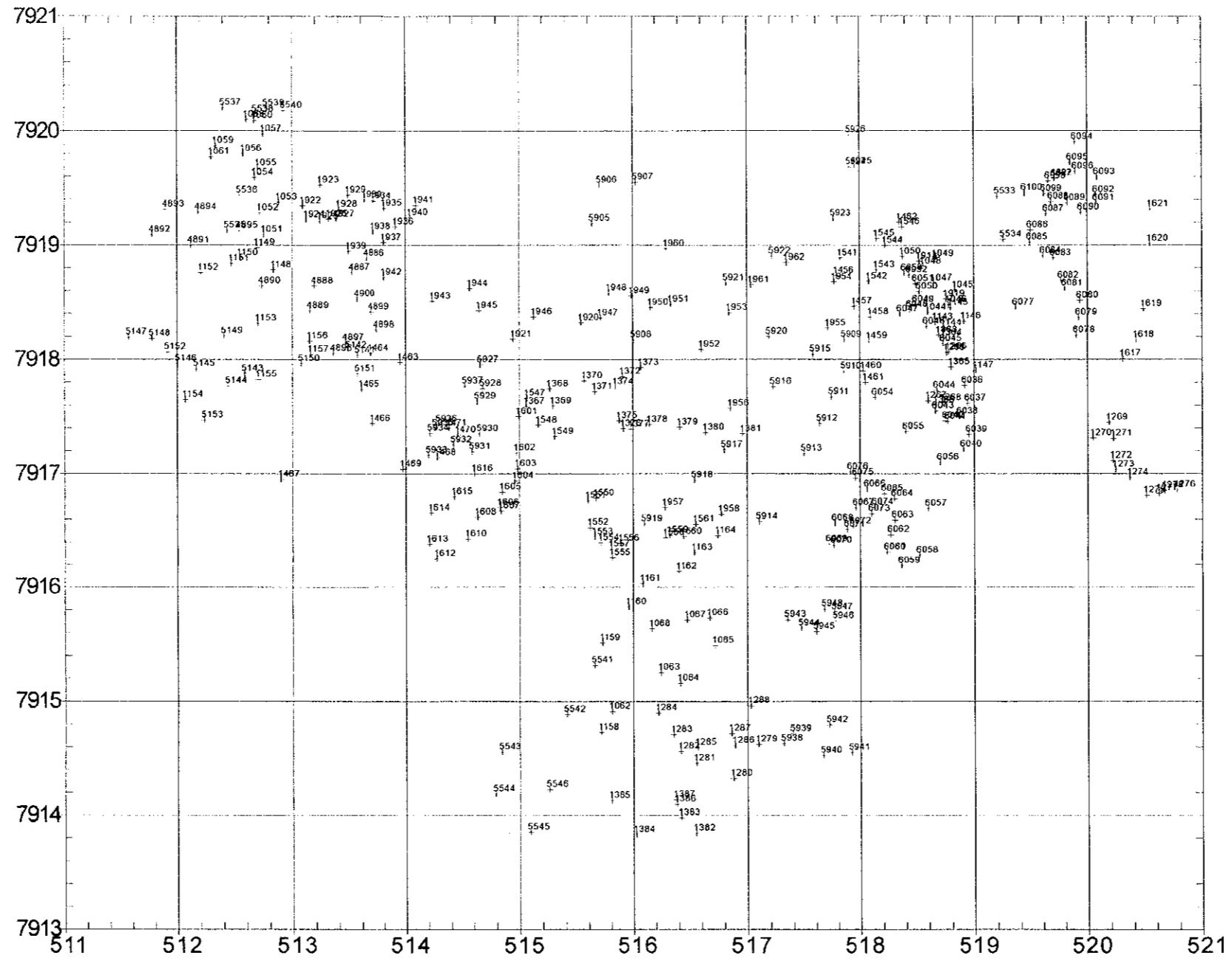


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

Legend

- + No. Phase II Survey
- + No. Phase I Survey

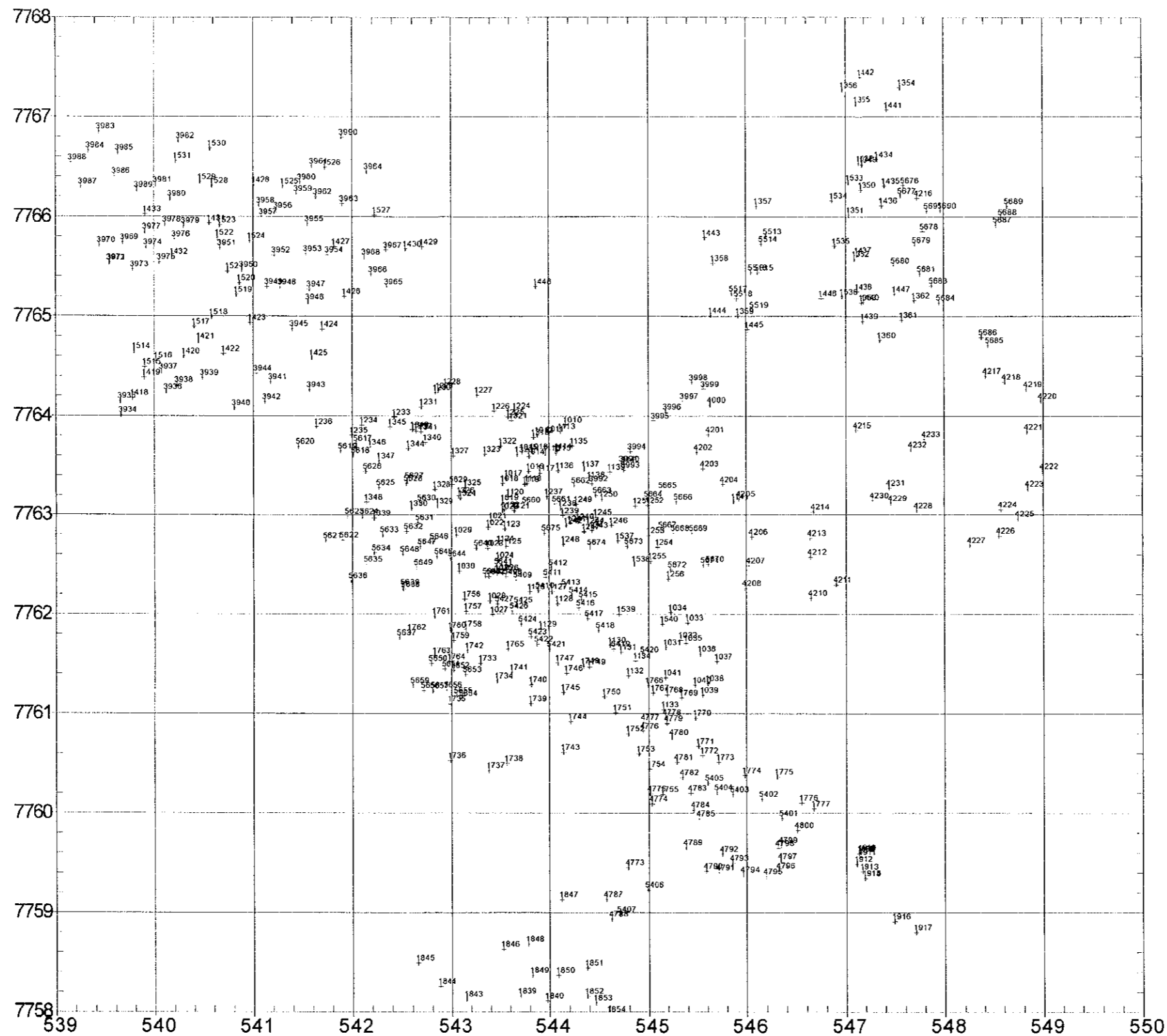
Sonia Susana



Legend

- No. Phase II Survey
- No. Phase I Survey

Calorno



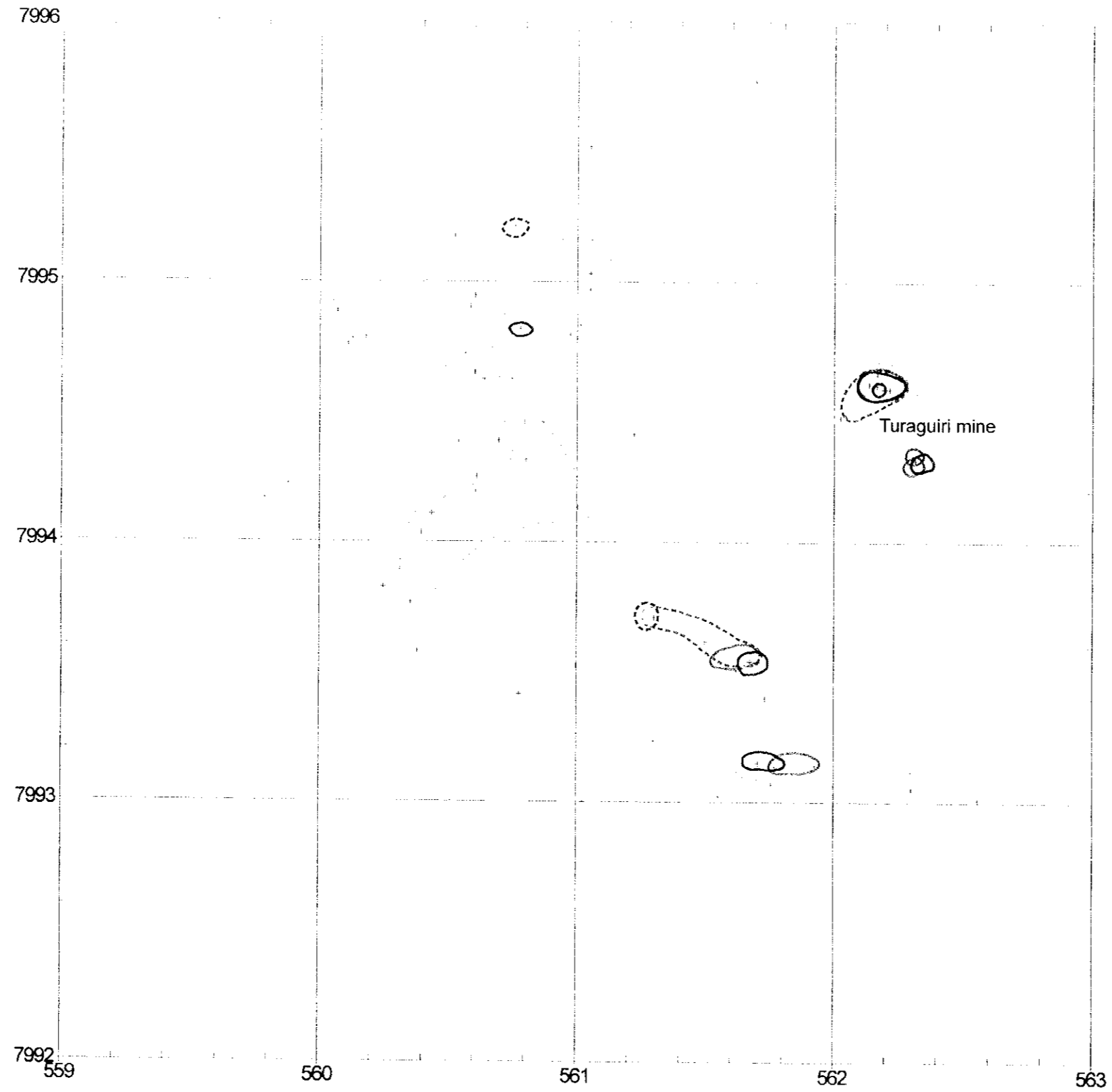
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Location Map of rock samples
in
The Calorno District (1:25,000)

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- Legend**
- No. Phase II Survey
 - No. Phase I Survey

Turaquiri



PL-34

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geochemical Anomaly Map
of
The Turaquiri District (1:10,000)

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MARCH 2001

Asu Asuni

7986

7985

7984

7983

7982

548

549

550

551

552

553

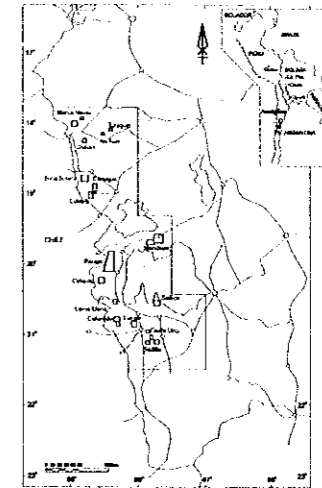
554

- Au
- Ag
- Cu
- Pb
- Zn
- As
- Sb
- Hg
- Mo
- Ba
- Sn

PI-35

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geochemical Anomaly Map
of
The Asu Asuni District (1:10,000)



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MARCH 2001

Chullcani

7979

7978

7977

7976

7975
517

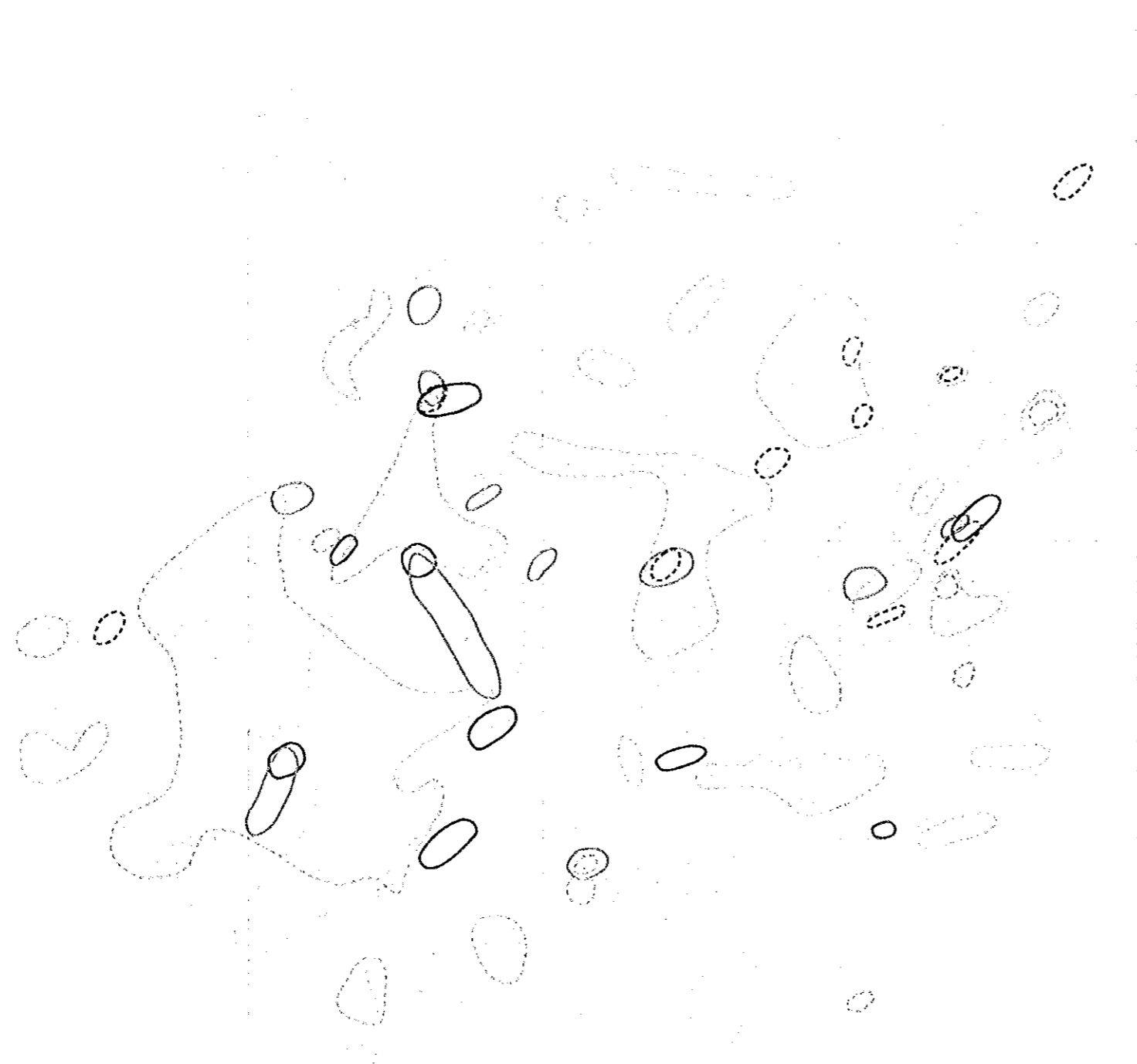
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519

520

521

522

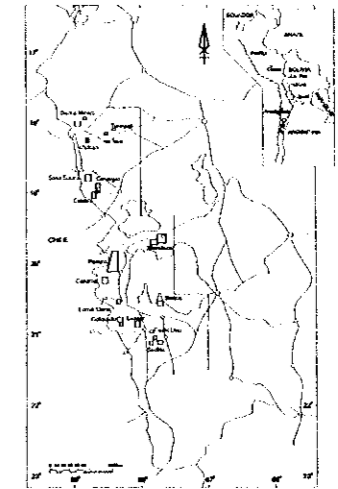


- Au
- Ag
- Cu
- Pb
- Zn
- As
- Sb
- Hg
- Mo
- Ba
- Sn

PL-36

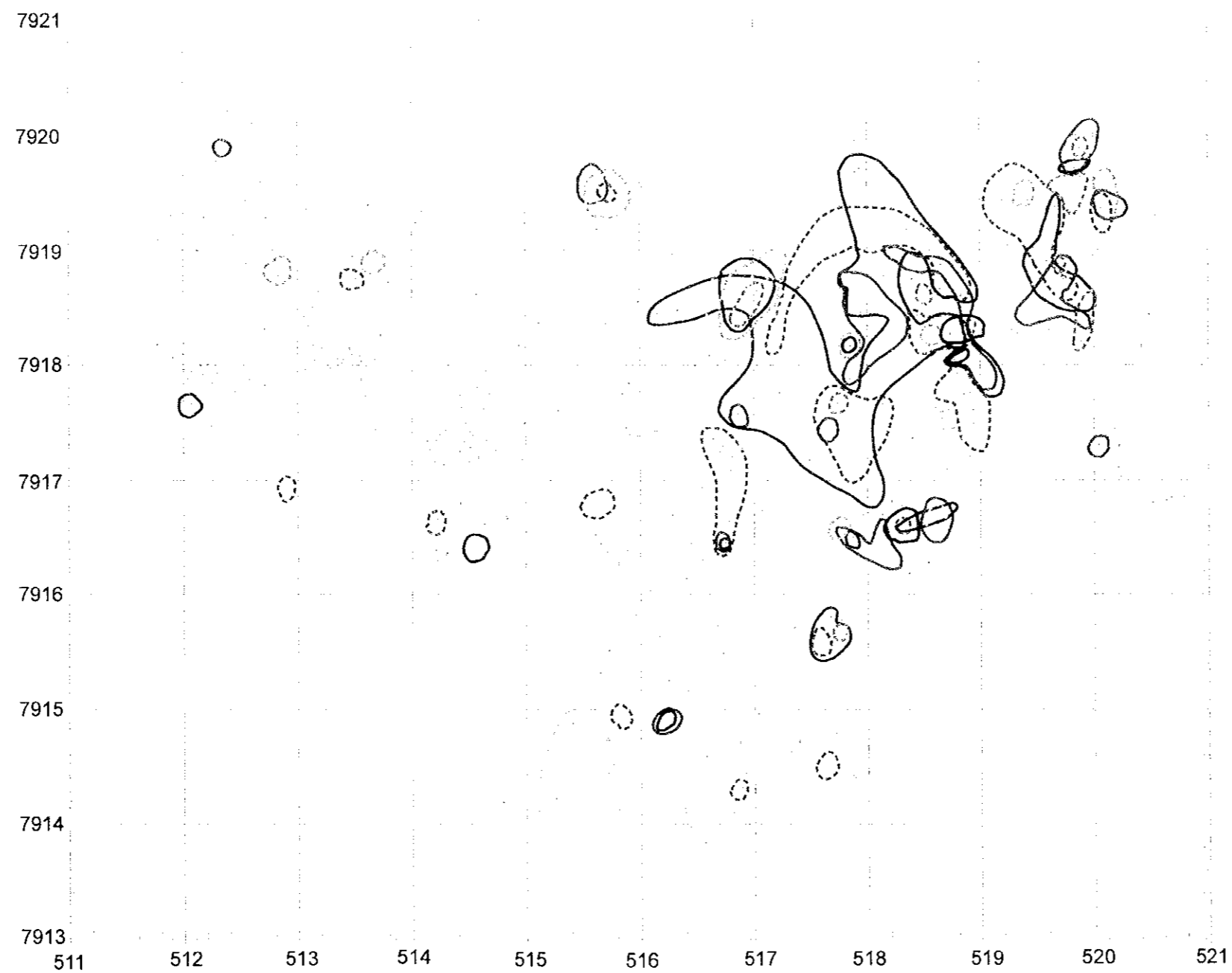
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geochemical Anomaly Map
of
The Chullcani District (1:10,000)



JAPAN INTERNATIONAL COOPERATION AGENCY
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MARCH 2001

Sonia Susana



- Au
- Ag
- Cu
- Pb
- Zn
- As
- Sb
- Hg
- Mo
- Ba
- Sn

PL-37

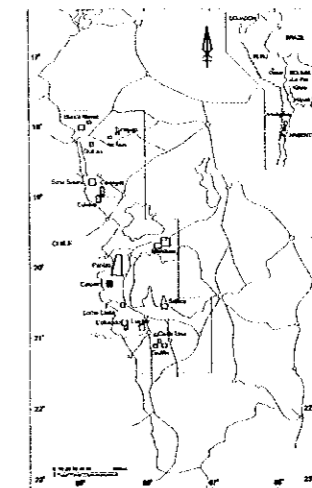
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geochemical Anomaly Map
of
The Sonia Susana District (1:25,000)

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MARCH 2001

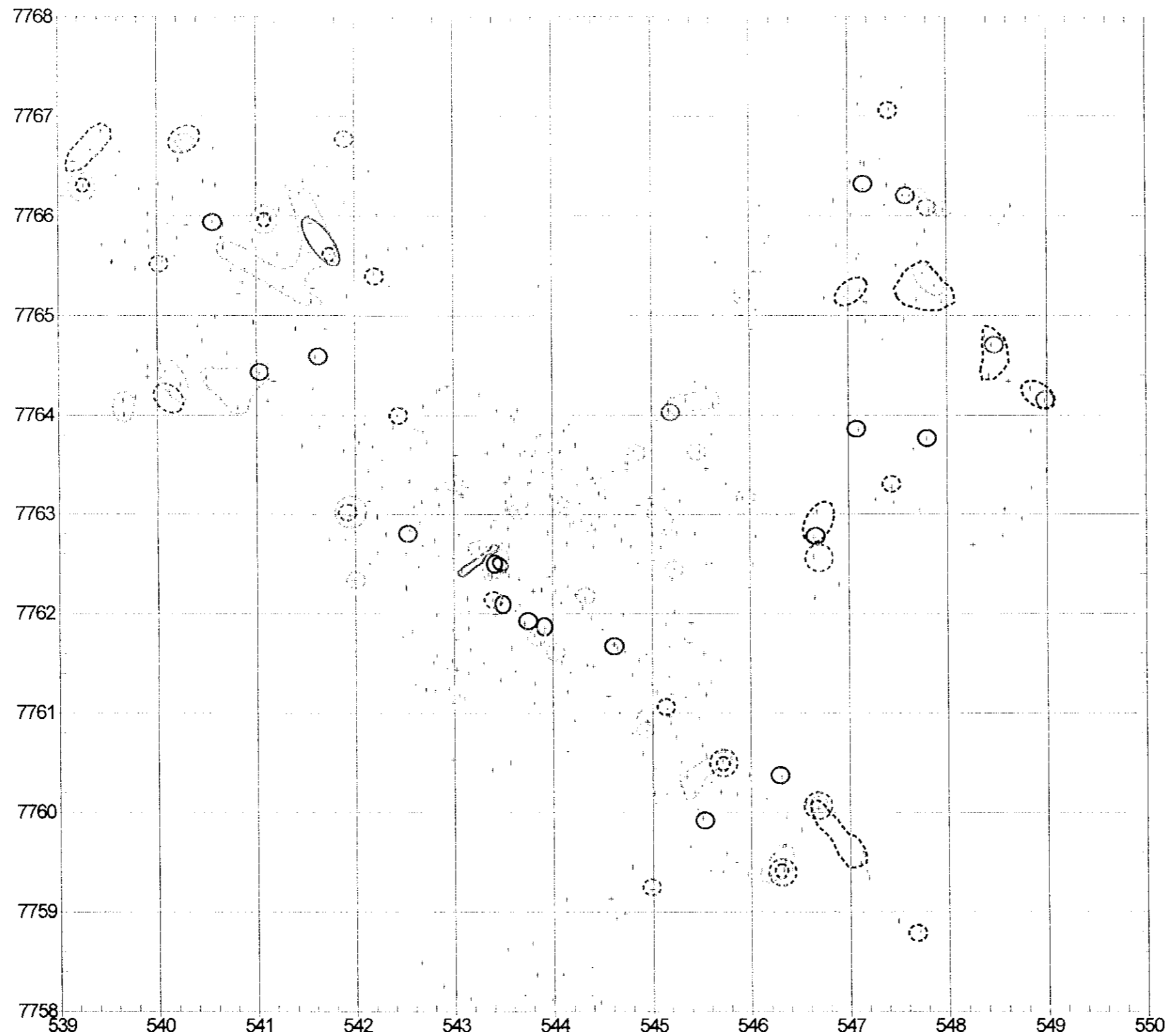
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Geochemical Anomaly Map
of
The Calorno District (1:25,000)

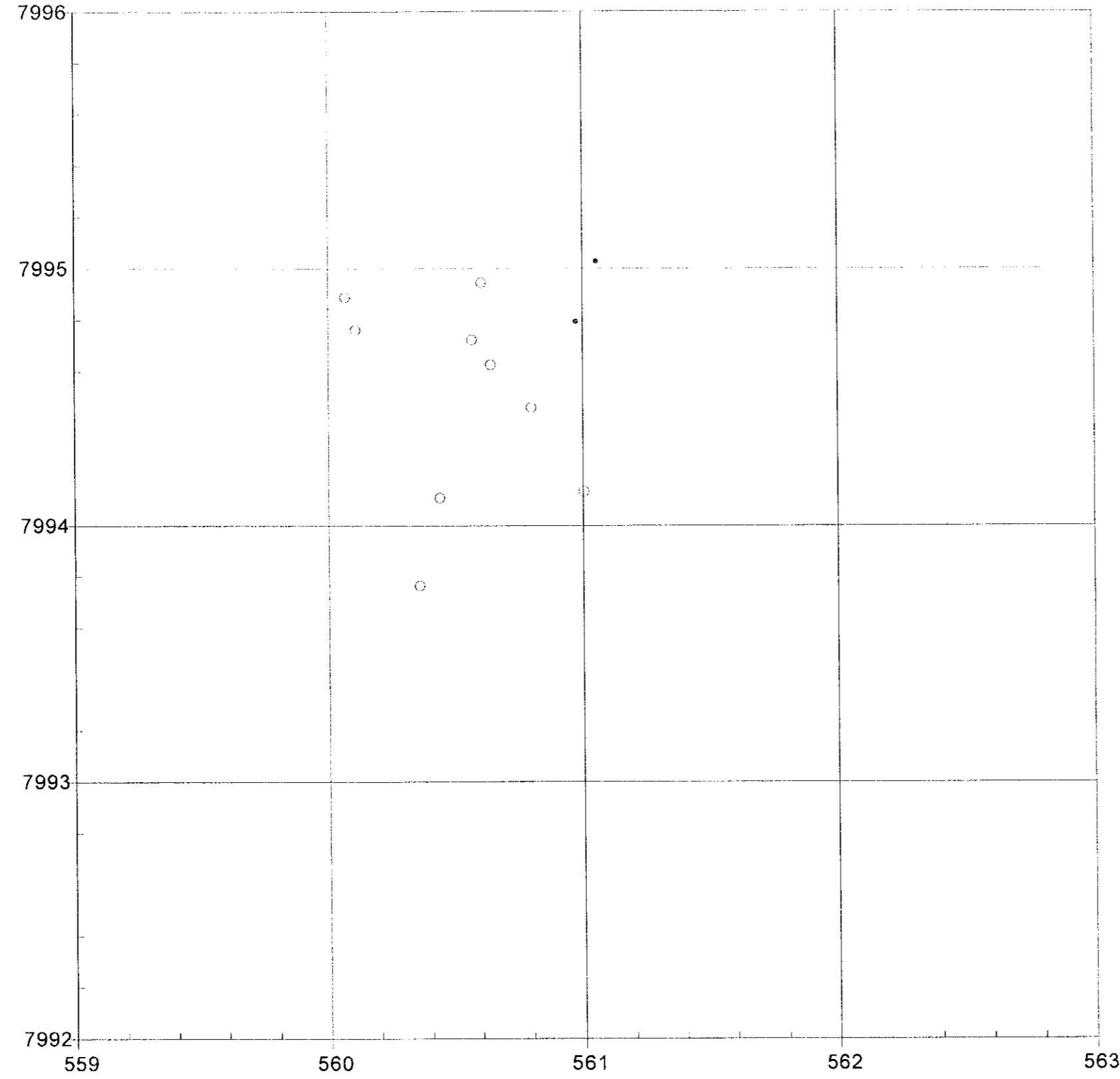


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MARCH 2001

Calorno



Turaquiri



PL-39

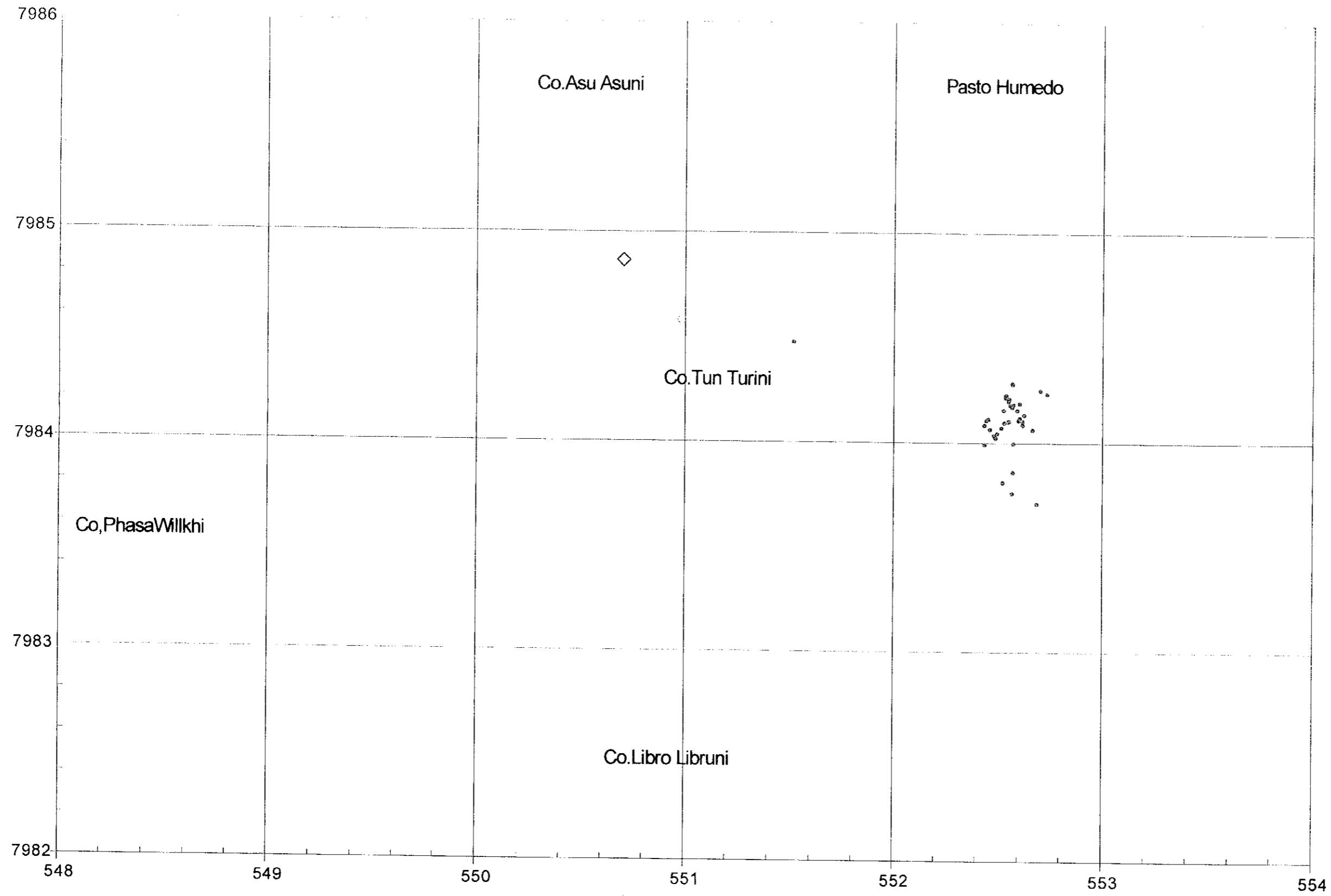
THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Distribution Map of Alteration Minerals
in
The Turaquiri District (1:10,000)

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MARCH 2001

- Legend
- strong silicification
 - ◇ sericite
 - smectite
 - alunite
 - kaolinite
 - ☆ pyrophyllite

Asu Asuni



Pl.-40

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

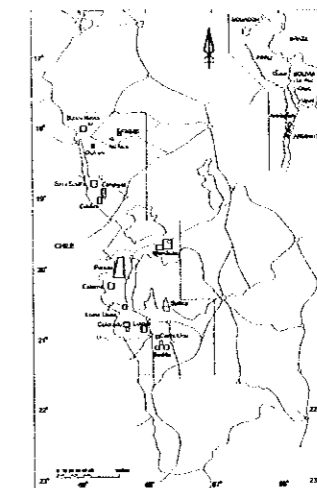
Distribution Map of Alteration Minerals
in
The Asu Asuni District (1:10,000)

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

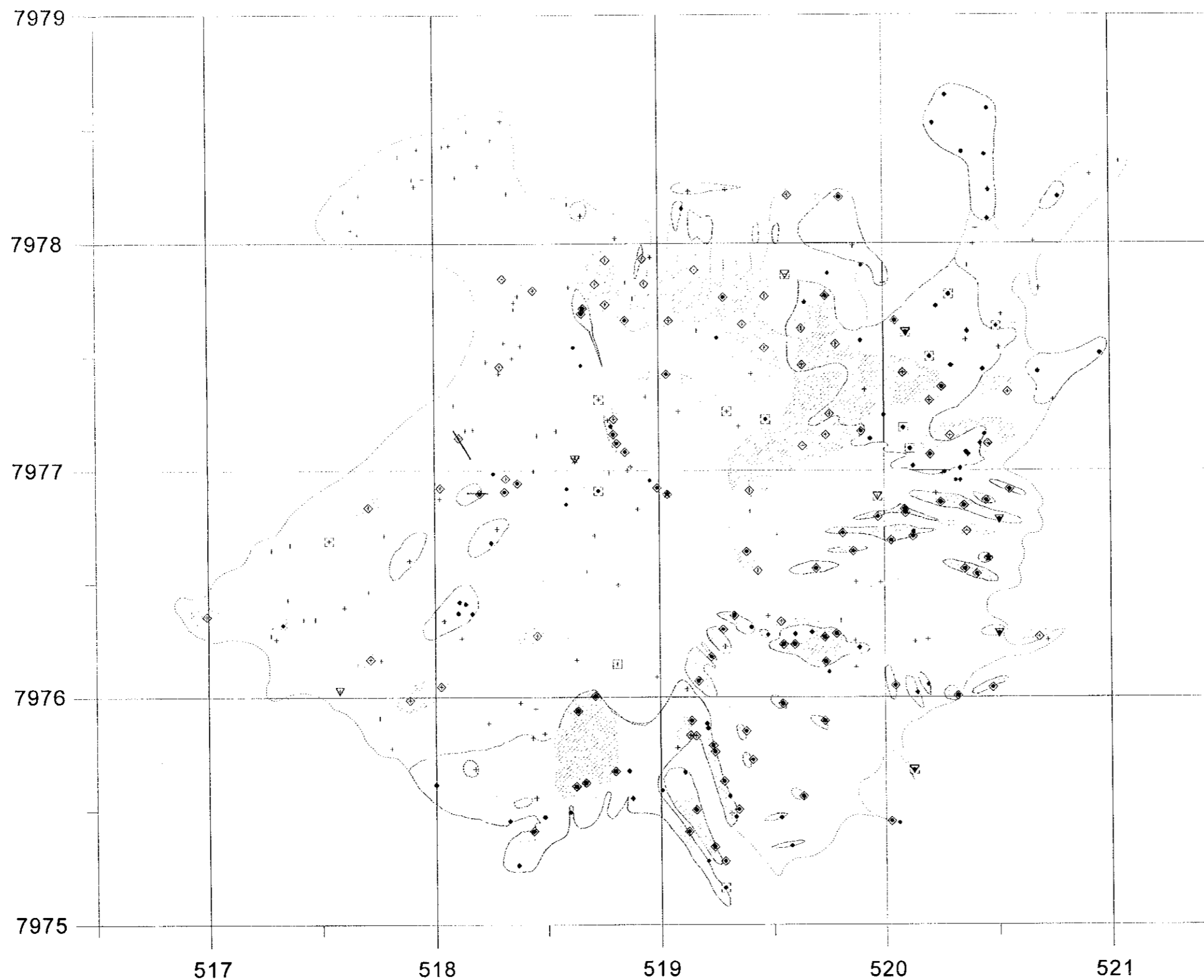
- Legend**
- strong silicification
 - ◇ sericite
 - smectite
 - alunite
 - △ kaolinite
 - ☆ pyrophyllite

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Distribution Map of Alteration Minerals
in
The Chullani District (1:10,000)



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METAL MINING AGENCY OF JAPAN
MARCH 2001

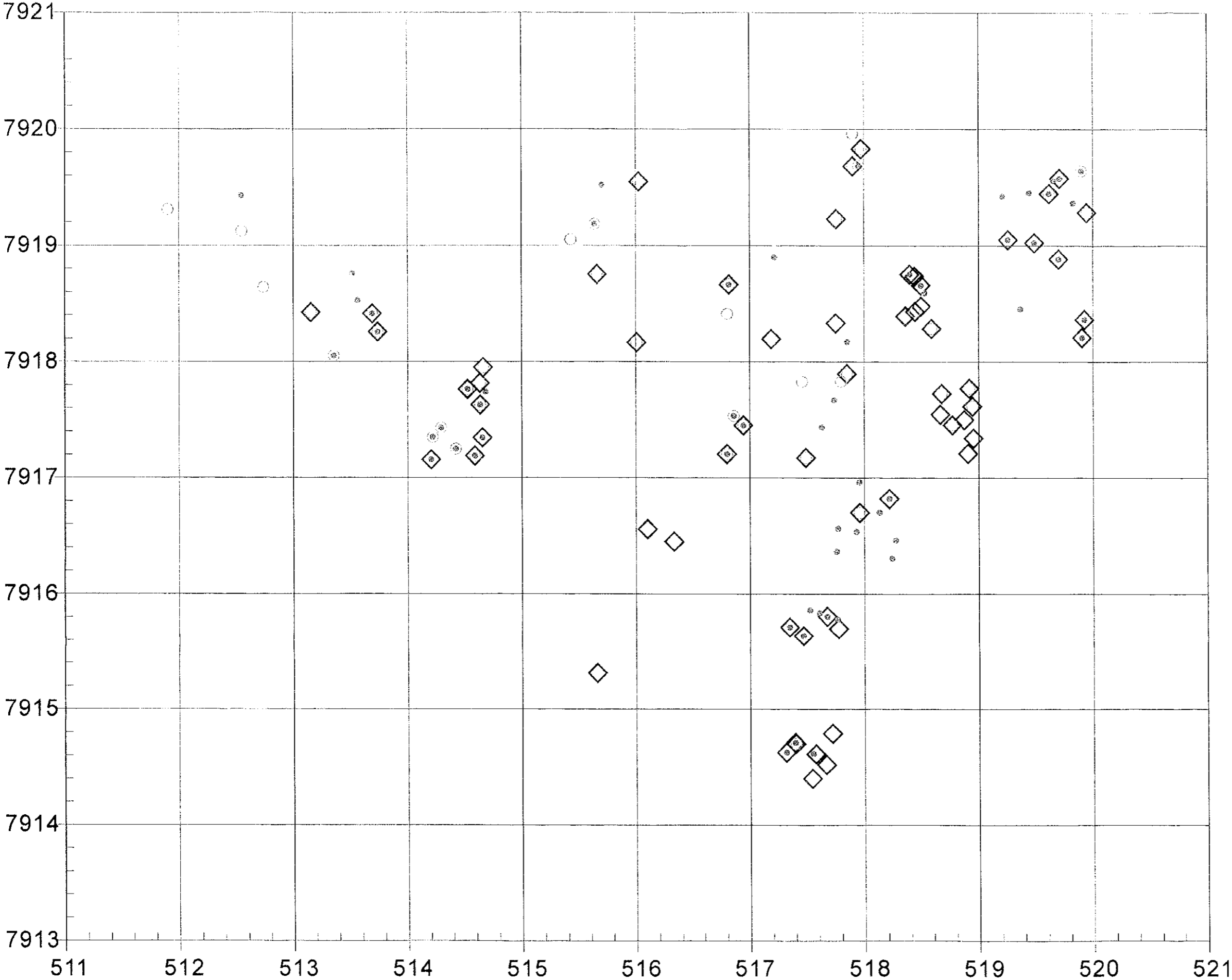


Legend

- + sampling point
- strong silicification
- sericite
- ◇ smectite
- ◇ alunite
- ▽ kaolinite
- ☆ pyrophyllite

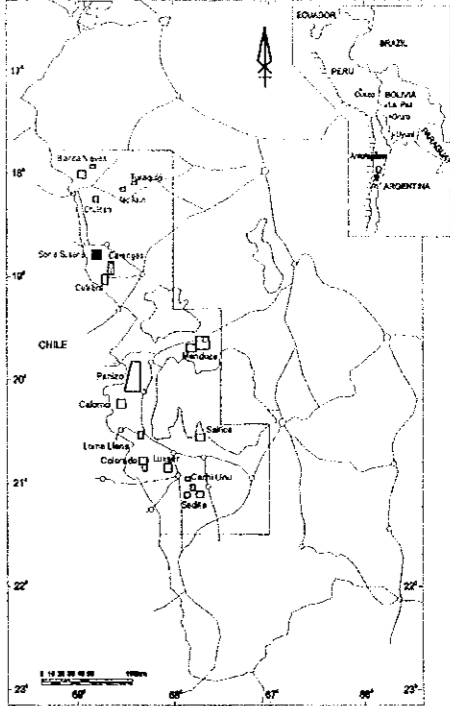
- silicified zone
- alunitized zone
- alteration zone
- alunite vein

Sonia Susana



THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

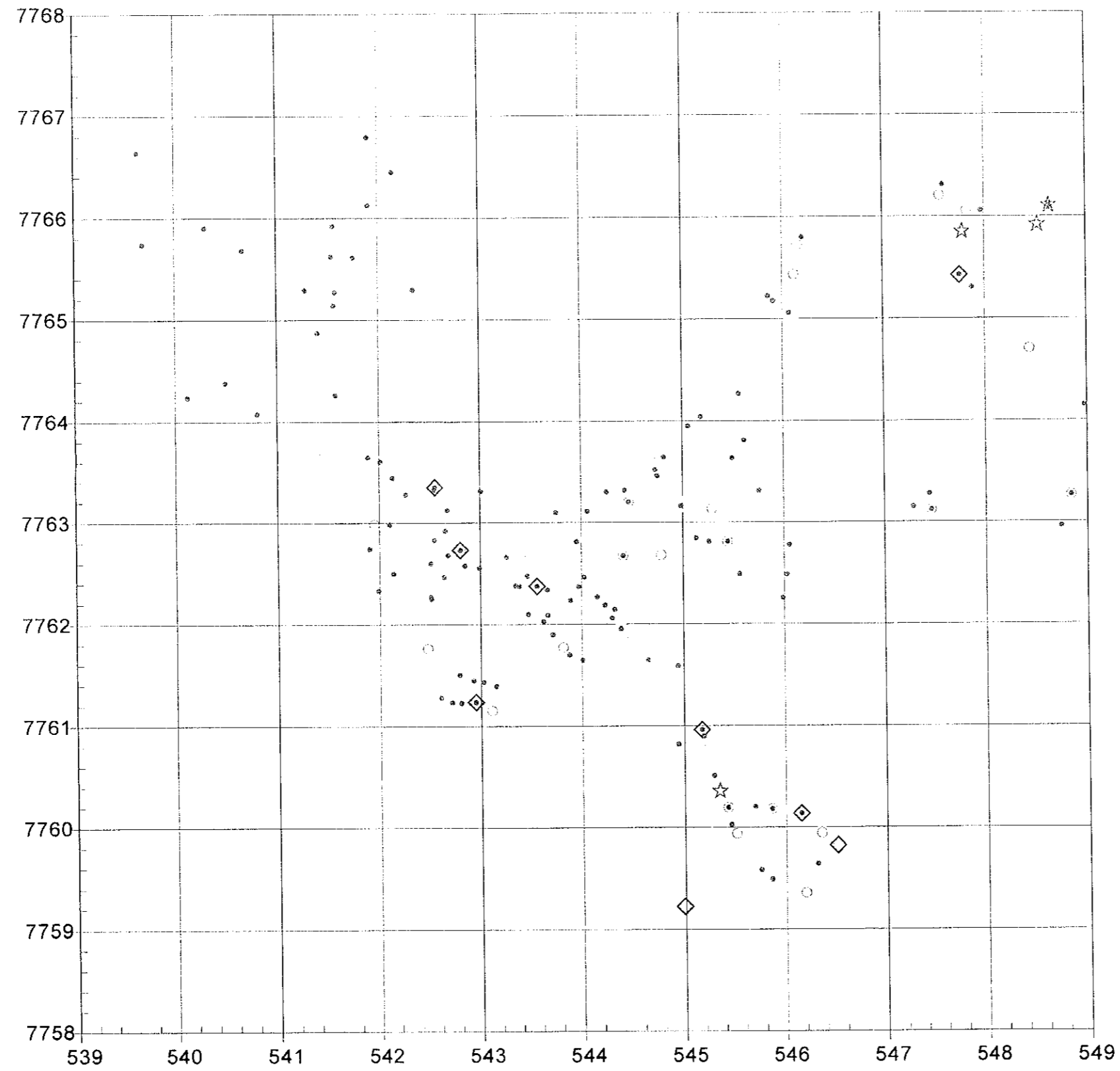
Distribution Map of Alteration Minerals
in
The Sonia Susana District (1:25,000)



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MARCH 2001

- Legend**
- strong silicification
 - ◇ sericite
 - smectite
 - alunite
 - * kaolinite
 - ☆ pyrophyllite

Calorno



PI-43

THE MINERAL EXPLORATION
IN THE ORURO-UYUNI AREA
OF
THE REPUBLIC OF BOLIVIA

Distribution Map of Alteration Minerals
in
The Calorno District (1:25,000)

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 2001

- Legend**
- strong silicification
 - ◇ sericite
 - smectite
 - alunite
 - ☆ kaolinite
 - ☆ pyrophyllite

