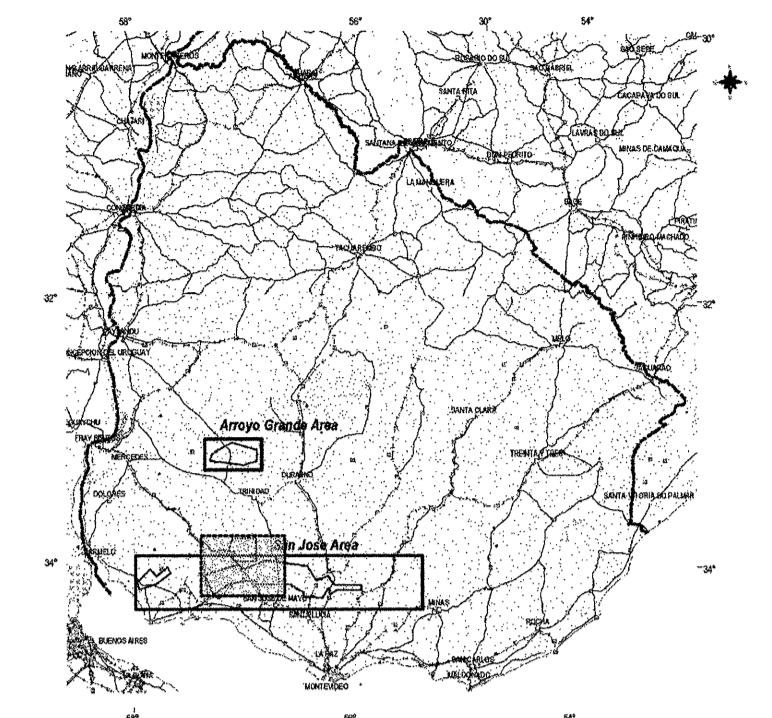


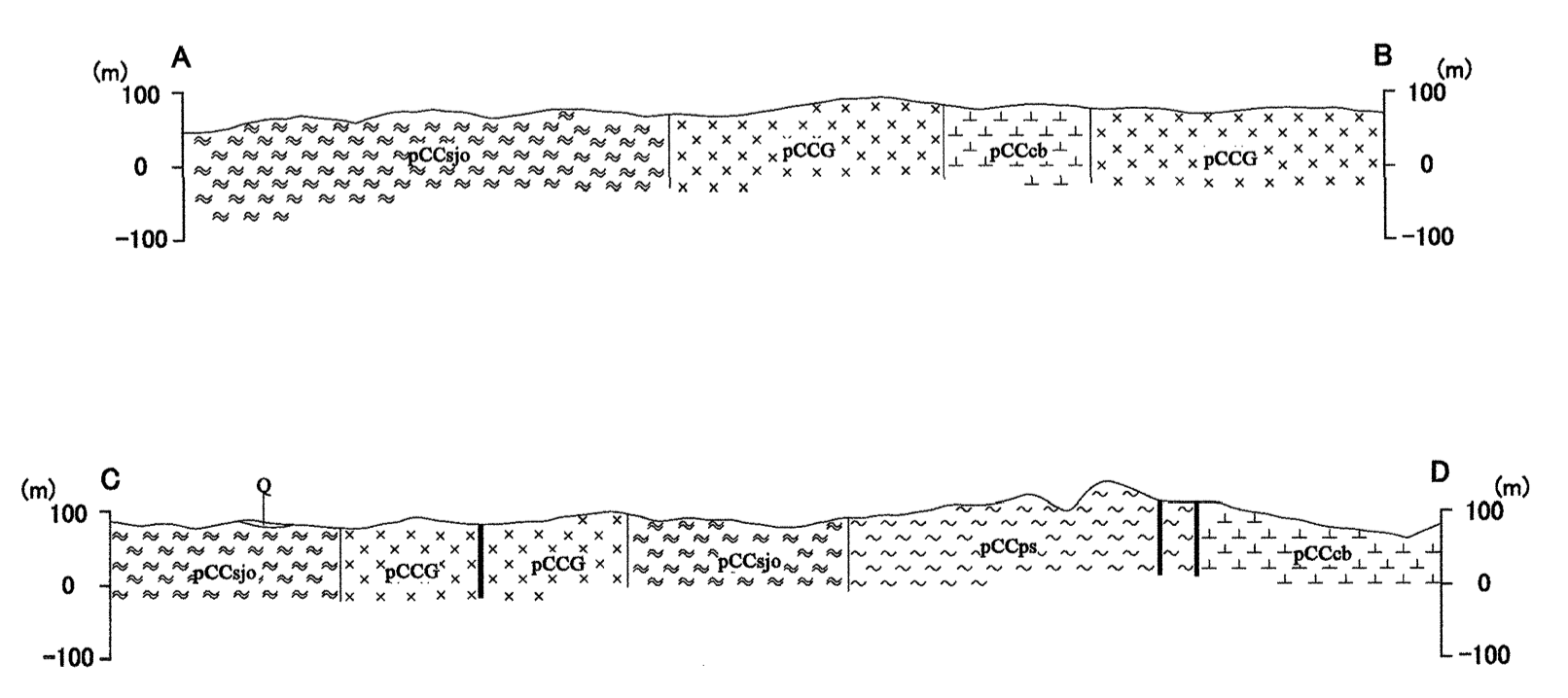
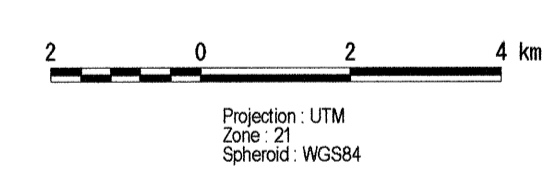
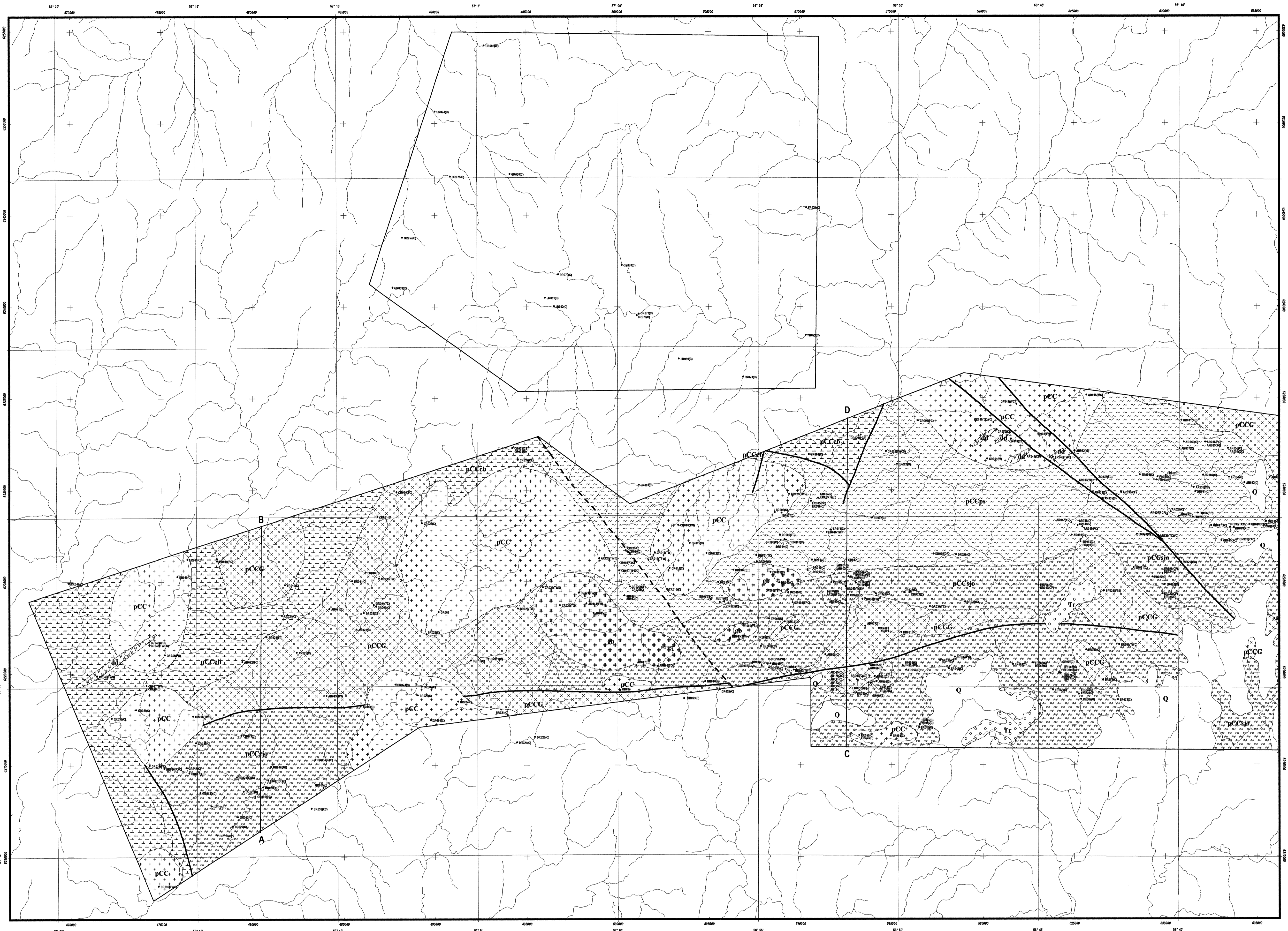
PLATES

REPORT ON THE MINERAL EXPLORATION
IN
THE SAN JOSE AND ARROYO GRANDE AREA,
THE ORIENTAL REPUBLIC OF URUGUAY
PHASE I

Geological Map and Geologic Profile with Location of
Rock Samples of the Main Part of
the San Jose Area(WEST)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 2001



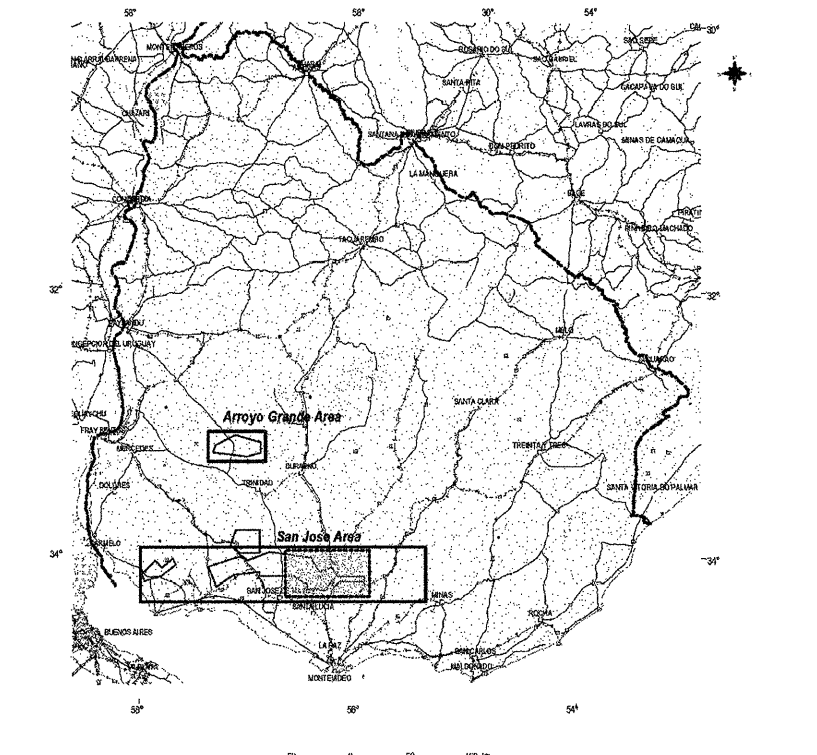
LEGEND

Quaternary	Q	gravel, sand, clay	Basement complex	pCCcb	schist, gneiss, hornfels, quartzite, granitic rocks, migmatite
Tertiary	Tr	fine sandstone, conglomerate, mudstone, tuffaceous	Granite intrusive rock(Transamazonian and Pre-Transamazonian)	pCCanf	amphibolite
Cretaceous	KSa	silicified rock, agate, fine sandstone	Granite intrusive rock(Pre-Transamazonian)	pCC	granite, granodiorite, diorite, tonalite, aplite
Arroyo Grande Formation (The Arroyo Grande area)	pCCag	green schist, mica schist, quartz schist, gneiss, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite	Granite intrusive rock(Pre-Transamazonian)	pCCG	granite, granodiorite, diorite, quartz diorite
Cerro de San Juan Formation (The western part of the San Jose area)	pCCsj	green schist, mica schist, quartz schist, dolomite, talc, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite, dolerite	Dyke rock	dd	diorite
Paso Severino Formation (The main part of the San Jose area)	pCCps	green schist, mica schist, quartz schist, metabasalt, metagabbro, metasandstone, slate, phyllite, amphibolite	gb	gabro	
San Jose Formation (The main part of the San Jose area)	pCCsjo	green schist, mica schist, quartz schist, gneiss, metarhyolite, metabasalt, quartzite, metasandstone, slate, phyllite, amphibolite	fault		

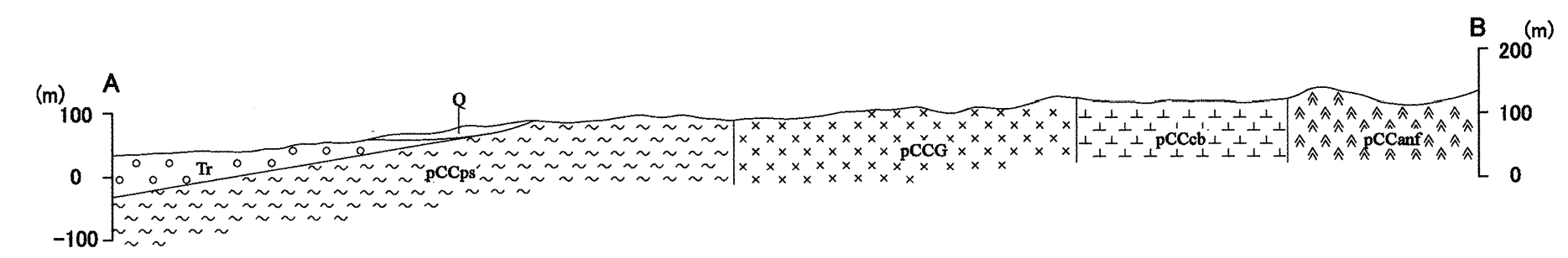
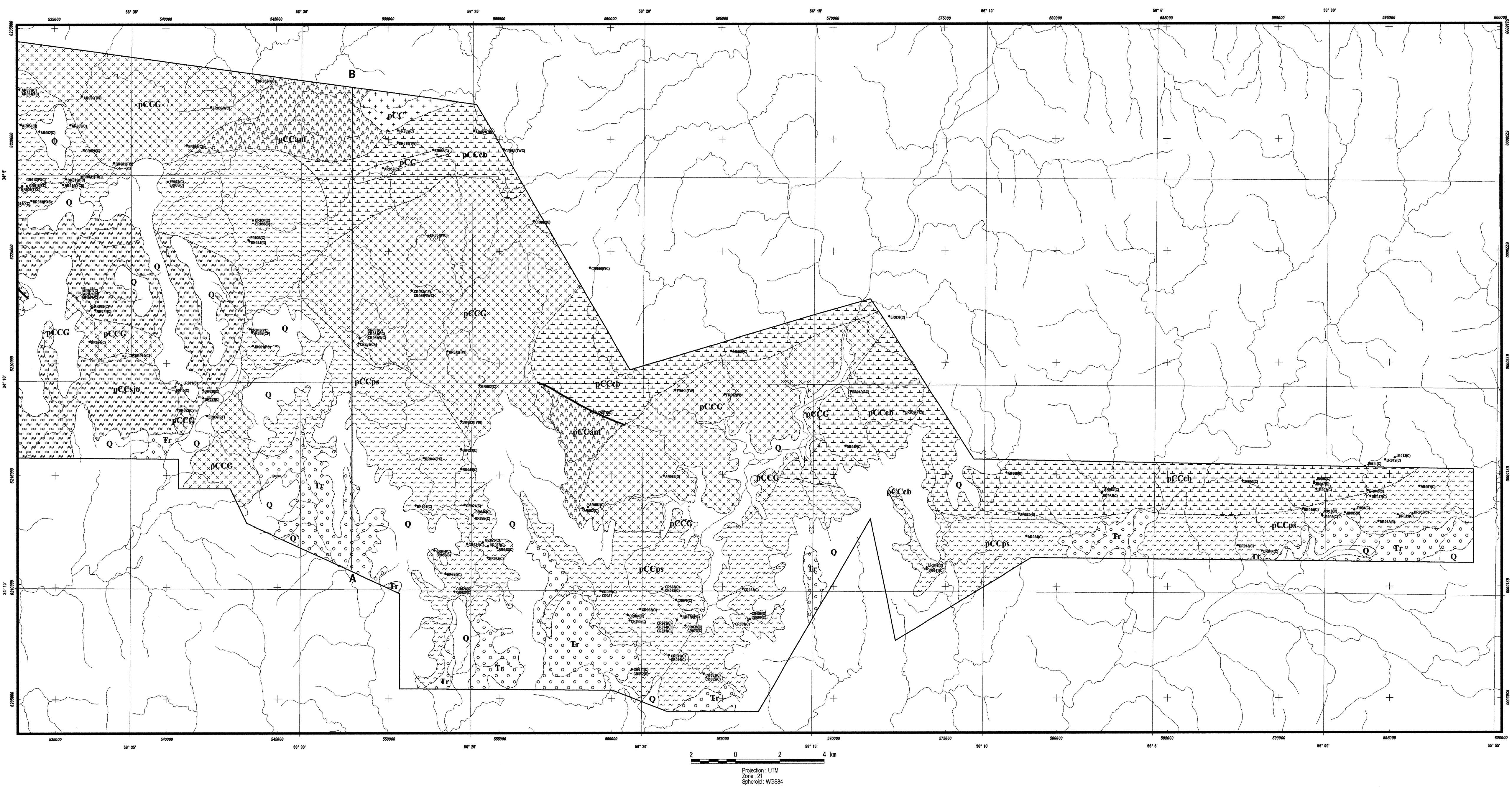
* AR001(##) locality of rock sample with sample number and experiment items(##)
T: Thin section
P: Polish section
X: X-ray diffraction
W: Whole rock analysis
C: Chemical analysis
F: Fluid inclusion
D: Age Determination(K-Ar)
S: hand Specimen

REPORT ON THE MINERAL EXPLORATION
IN
THE SAN JOSE AND ARROYO GRANDE AREA,
THE ORIENTAL REPUBLIC OF URUGUAY
PHASE I

Geological Map and Geologic Profile with Location of
Rock Samples of the Main Part of
the San Jose Area(EAST)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 2001

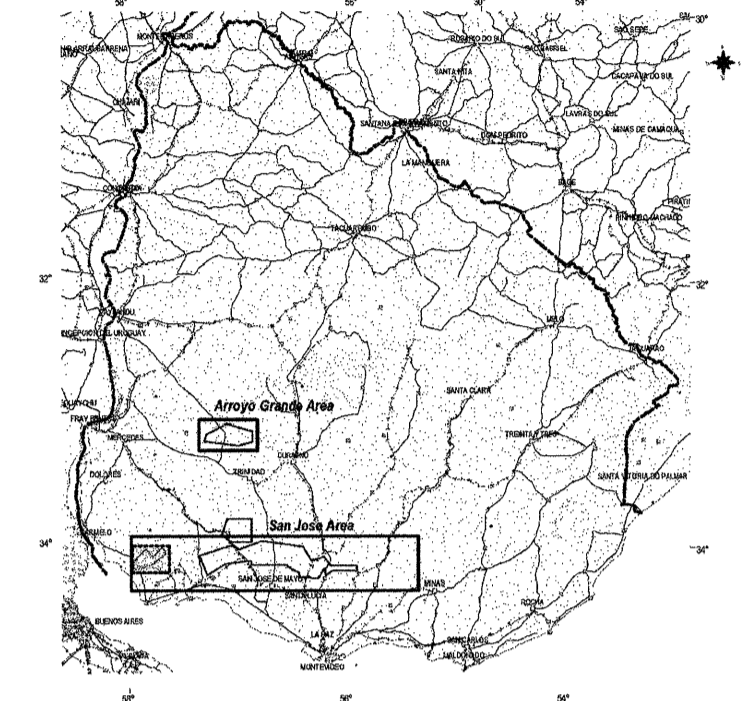


LEGEND

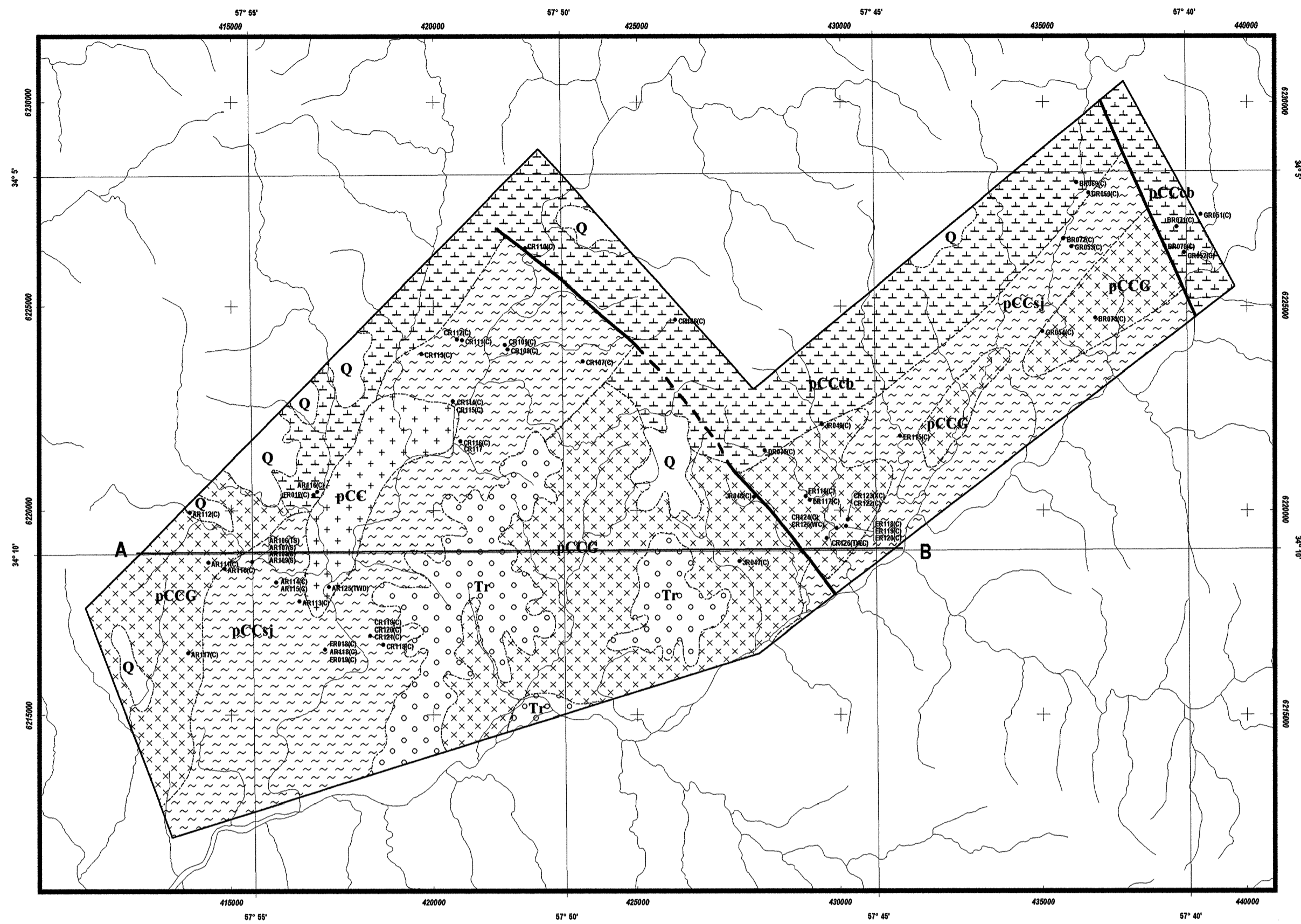
<p>Quaternary</p> <p>Q gravel, sand, clay</p>	<p>Basement complex</p> <p>pCCcb schist, gneiss, hornfels, quartzite, granitic rocks, migmatite</p> <p>pCCanf amphibolite</p>
<p>Tertiary</p> <p>Tr fine sandstone, conglomerate, mudstone, breccia</p>	<p>Granite intrusive rock(Transamazonian and Pre-Transamazonian)</p> <p>pCC granite, granodiorite, diorite, tonalite, apilite</p> <p>Granite intrusive rock(Pre-Transamazonian)</p> <p>pCCG granite, granodiorite, diorite, quartz diorite</p>
<p>Cretaceous</p> <p>KSa silicified rock, agate, fine sandstone</p>	<p>Dyke rock</p> <p>dd diorite</p> <p>gb gabbro</p>
<p>Greenstone</p> <p>Arroyo Grande Formation (The Arroyo Grande area) pCCag green schist, mica schist, quartz schist, gneiss, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite</p> <p>Cerros de San Juan Formation (The western part of the San Jose area) pCCsj green schist, mica schist, quartz schist, dolomite, talc, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite, dolerite</p> <p>Paso Severino Formation (The main part of the San Jose area) pCCps green schist, mica schist, quartz schist, metabasalt, metagabbro, metasandstone, slate, phyllite, amphibolite</p> <p>San Jose Formation (The main part of the San Jose area) pCCsjo green schist, mica schist, quartz schist, gneiss, metarhyolite, metabasalt, quartzite, metasandstone, slate, phyllite, amphibolite</p>	<p>— fault</p> <p>* AR001(###) locality of rock sample with sample number and experiment items(###)</p> <p>T: Thin section P: Polish section X: X-ray diffraction W: Whole rock analysis C: Chemical analysis F: Fluid inclusion D: age Determination(K-Ar) S: hand Specimen</p>

REPORT ON THE MINERAL EXPLORATION
IN
THE SAN JOSE AND ARROYO GRANDE AREA,
THE ORIENTAL REPUBLIC OF URUGUAY
PHASE I

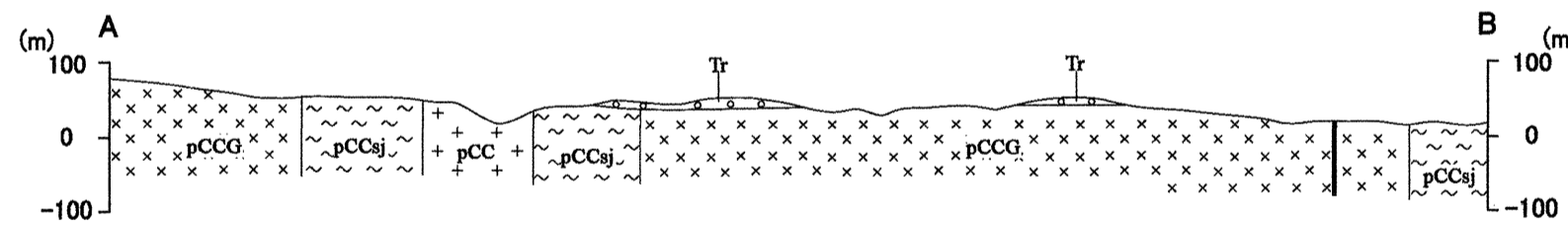
Geological Map and Geologic Profile with Location of
Rock Samples of the Western Part of the San Jose Area



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 2001



2 0 2 4 km
Projection: UTM
Zone: 21
Spheroid: WGS84

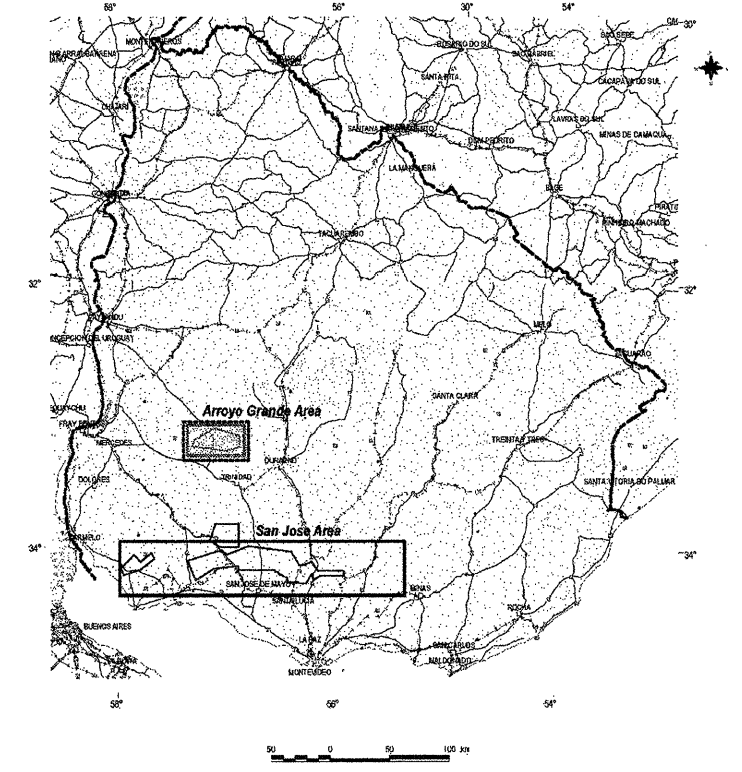


LEGEND

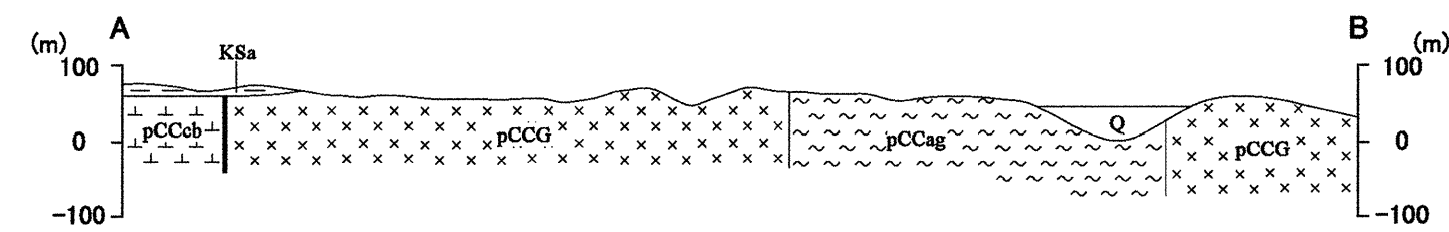
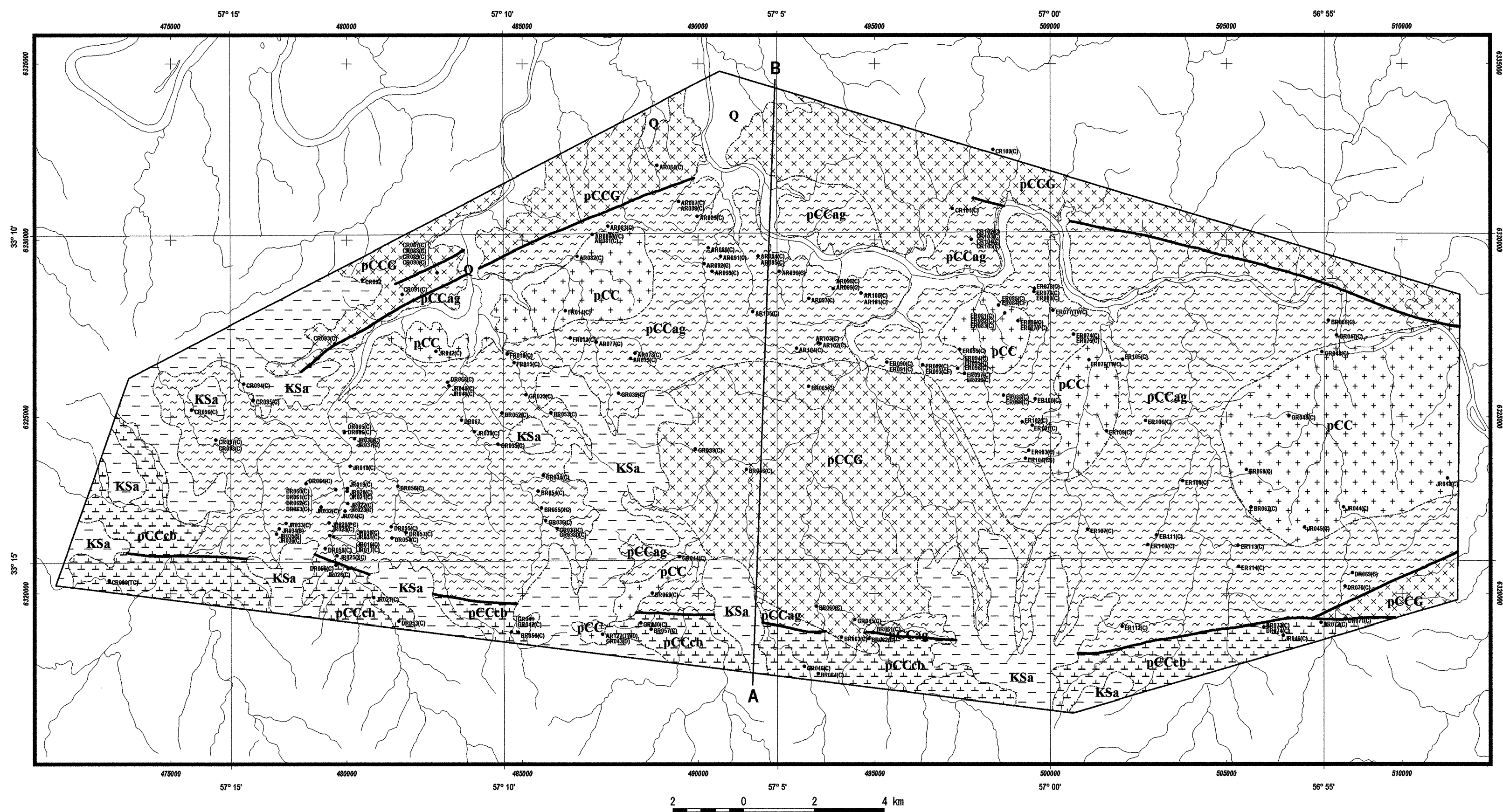
- | | | | | | |
|---|--|---|---|---|--|
| Quaternary | | Q gravel, sand, clay | Basement complex | | pCCcb schist, gneiss, hornfels, quartzite, granitic rocks, migmatite |
| Tertiary | | Tr fine sandstone, conglomerate, mudstone, breccia | Granite intrusive rock (Transamazonian and Pre-Transamazonian) | | pCCanf amphibolite |
| Cretaceous | | KSa silicified rock, agate, fine sandstone | Granite intrusive rock (Pre-Transamazonian) | | pCC granite, granodiorite, diorite, tonalite, aplite |
| Greenstone | | pCCag green schist, mica schist, quartz schist, gneiss, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite | Dyke rock | | dd diorite |
| Arroyo Grande Formation
(The Arroyo Grande area) | | pCCsj green schist, mica schist, quartz schist, dolomite, talk, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite, dolerite | | gb gabbro | |
| Cerros de San Juan Formation
(The western part of the San Jose area) | | pCCps green schist, mica schist, quartz schist, metabasalt, metagabbro, metasandstone, slate, phyllite, amphibolite | | fault | |
| Paso Severino Formation
(The main part of the San Jose area) | | pCCsjo green schist, mica schist, quartz schist, gneiss, metarhyolite, metabasalt, quartzite, metasandstone, slate, phyllite, amphibolite | | • AR001(###) locality of rock sample with sample number and experiment items(###) | |
| San Jose Formation
(The main part of the San Jose area) | | pCCsjo green schist, mica schist, quartz schist, gneiss, metarhyolite, metabasalt, quartzite, metasandstone, slate, phyllite, amphibolite | T: Thin section | | |
| | | | P: Polish section | | |
| | | | X: X-ray diffraction | | |
| | | | W: Whole rock analysis | | |
| | | | C: Chemical analysis | | |
| | | | F: Fluid inclusion | | |
| | | | D: age Determination(K-Ar) | | |
| | | | S: hand Specimen | | |

REPORT ON THE MINERAL EXPLORATION
IN
THE SAN JOSE AND ARROYO GRANDE AREA,
THE ORIENTAL REPUBLIC OF URUGUAY
PHASE I

Geological Map and Geologic Profile with Location of
Rock Samples of the Arroyo Grande Area



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 2001



LEGEND

Quaternary		Q	gravel, sand, clay
Tertiary		Tr	fine sandstone, conglomerate, mudstone, breccia
Cretaceous		KSa	silicified rock, agate, fine sandstone
Greenstone		pCCag	green schist, mica schist, quartz schist, gneiss, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite
Arroyo Grande Formation (The Arroyo Grande area)		pCCsj	green schist, mica schist, quartz schist, dolomite, talk, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite, dolerite
Cerros de San Juan Formation (The western part of the San Jose area)		pCCps	green schist, mica schist, quartz schist, metabasalt, metagabbro, metasandstone, slate, phyllite, amphibolite
Paso Severino Formation (The main part of the San Jose area)		pCCsjo	green schist, mica schist, quartz schist, gneiss, metarhyolite, metabasalt, quartzite, metasandstone, slate, phyllite, amphibolite
San Jose Formation (The main part of the San Jose area)			
Basement complex		pCCcb	schist, gneiss, hornfels, quartzite, granitic rocks, migmatite
		pCCanf	amphibolite
Granite intrusive rock(Transamazonian and Pre-Transamazonian)		pCC	granite, granodiorite, diorite, tonalite, aplite
Granite intrusive rock(Pre-Transamazonian)		pCCG	granite, granodiorite, diorite, quartz diorite
Dyke rock		dd	diorite
		gb	gabbro
			fault
* AR001(###)			locality of rock sample with sample number and experiment items(###) T: Thin section P: Polish section X: X-ray diffraction W: Whole rock analysis C: Chemical analysis F: Fluid inclusion D: age Determination(K-Ar) S: hand Specimen