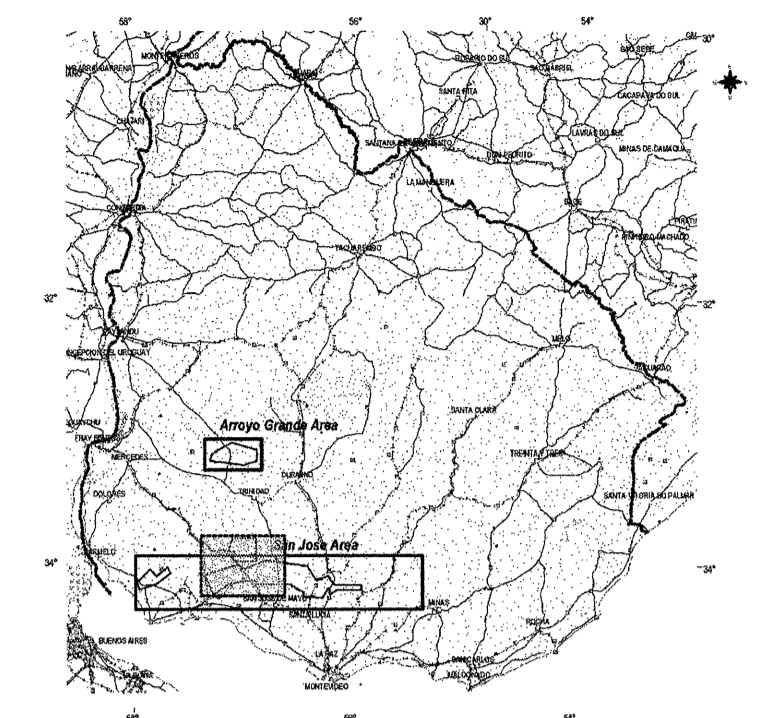
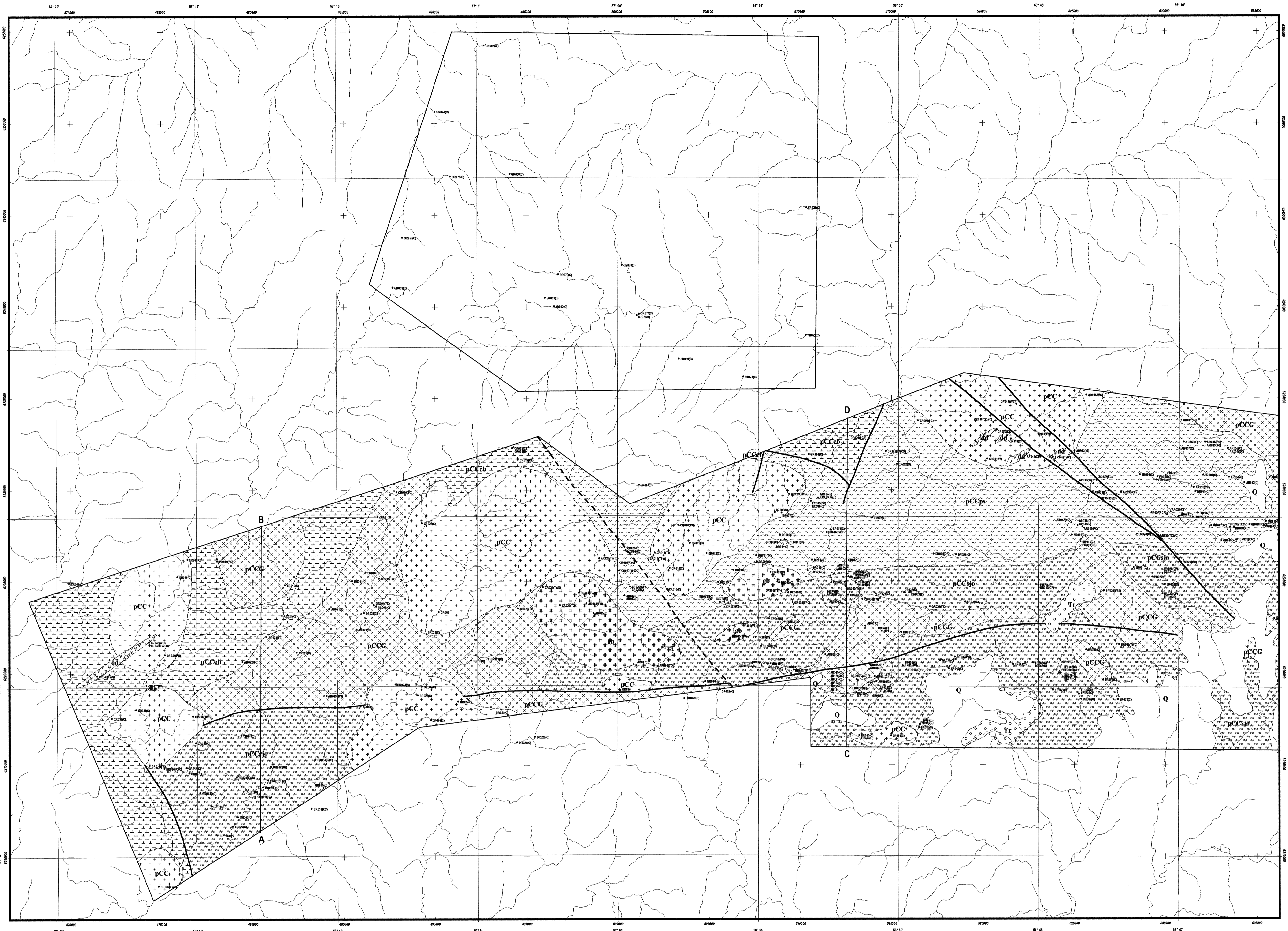


REPORT ON THE MINERAL EXPLORATION
IN
THE SAN JOSE AND ARROYO GRANDE AREA,
THE ORIENTAL REPUBLIC OF URUGUAY
PHASE I

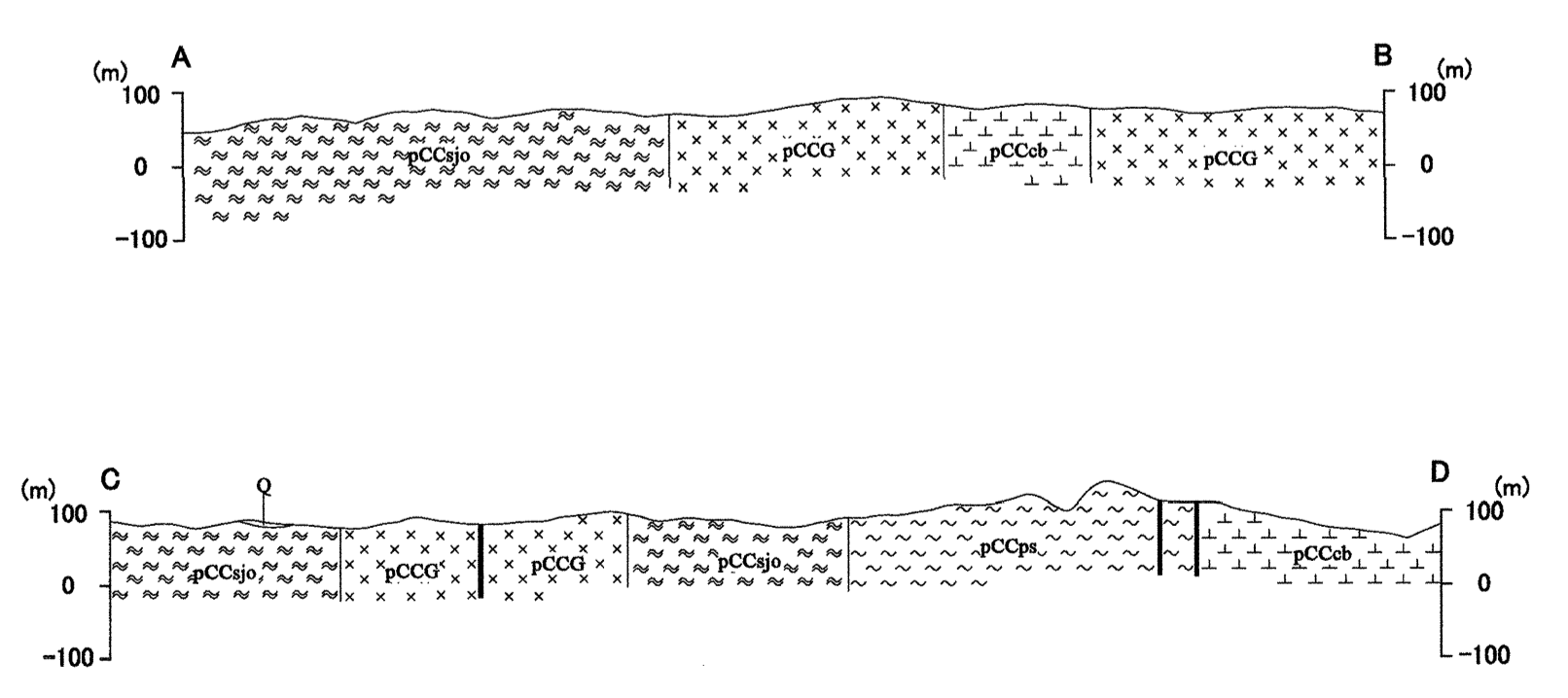
Geological Map and Geologic Profile with Location of
Rock Samples of the Main Part of
the San Jose Area(WEST)



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



2 0 2 4 km
Projection: UTM
Datum: ZF
Spheroid: WGS84



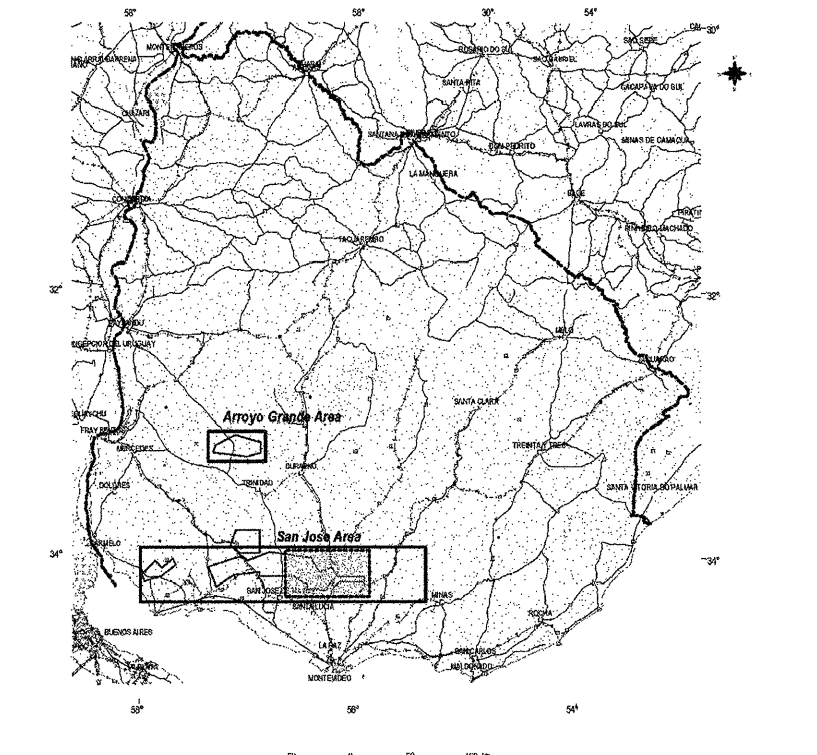
LEGEND

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 shist, 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 shist, 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 shist, 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 shist, 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

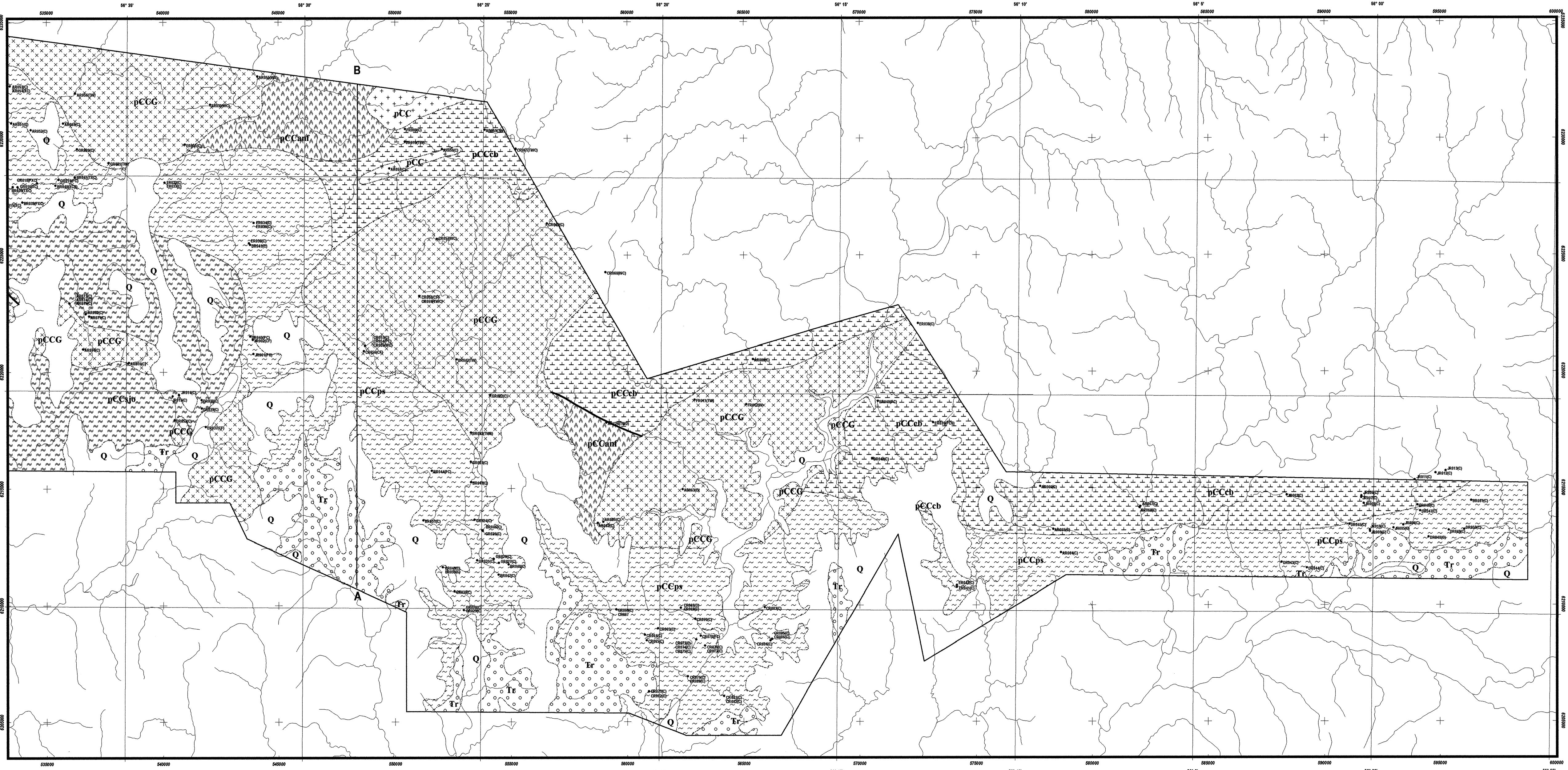
REPORT ON THE MINERAL EXPLORATION
IN
THE SAN JOSE AND ARROYO GRANDE AREA,
THE ORIENTAL REPUBLIC OF URUGUAY
PHASE I

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

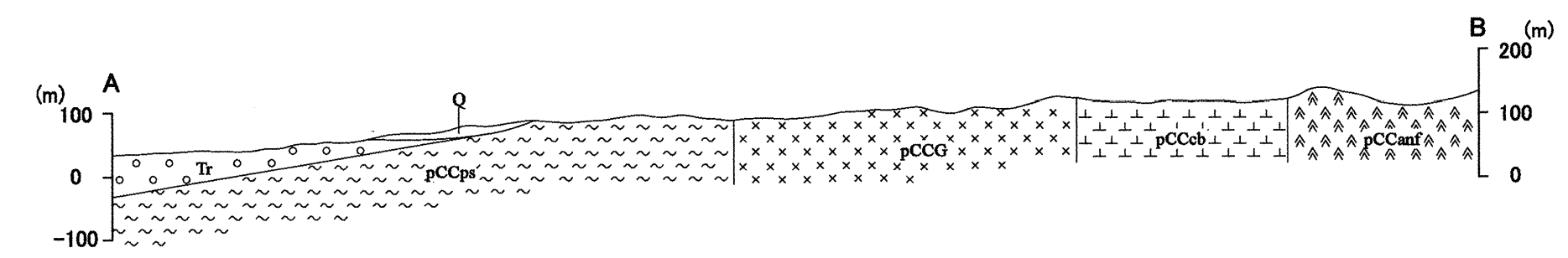


LEGEND
Project area
Geology and geochemical
sampled areas

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



Projection: UTM
Zone: 21
Spheroid: WGS84



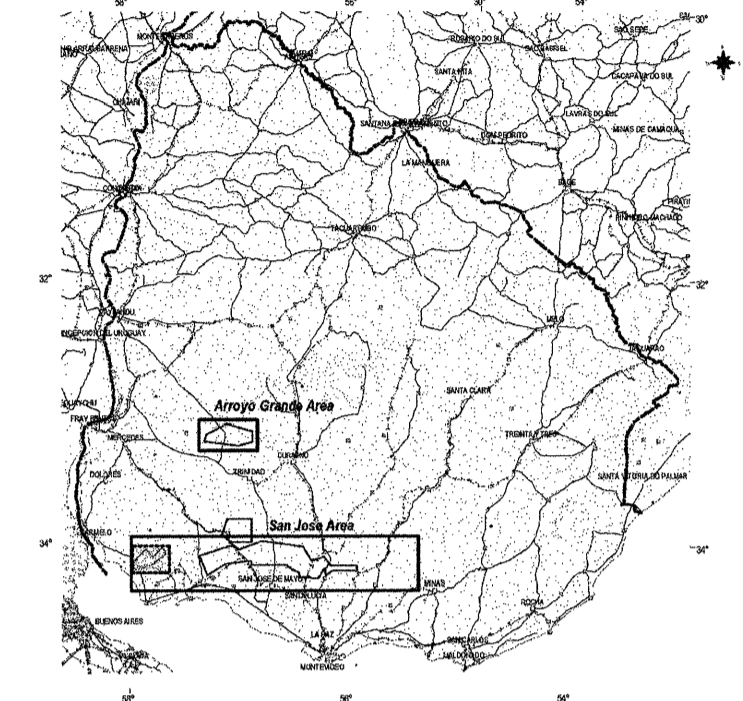
LEGEND

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

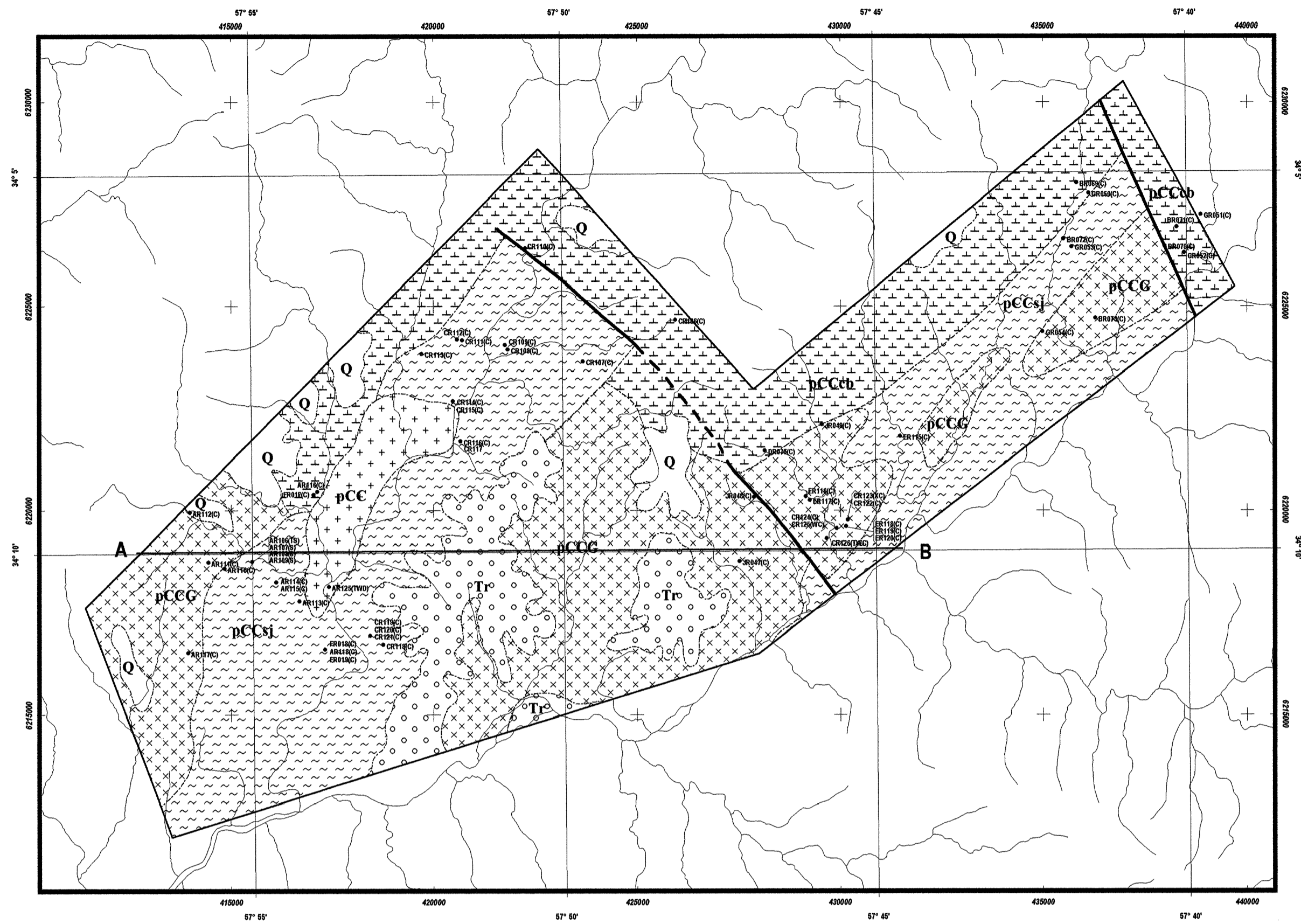
* AR001(###) locality of rock sample with sample number and experiment items(###)
T: Thin section
P: Polish section
X: X-ray diffraction
W: Whole rock analysis
C: Chemical analysis
F: Fluid inclusion
D: age Determination(K-Ar)
S: hand Specimen

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

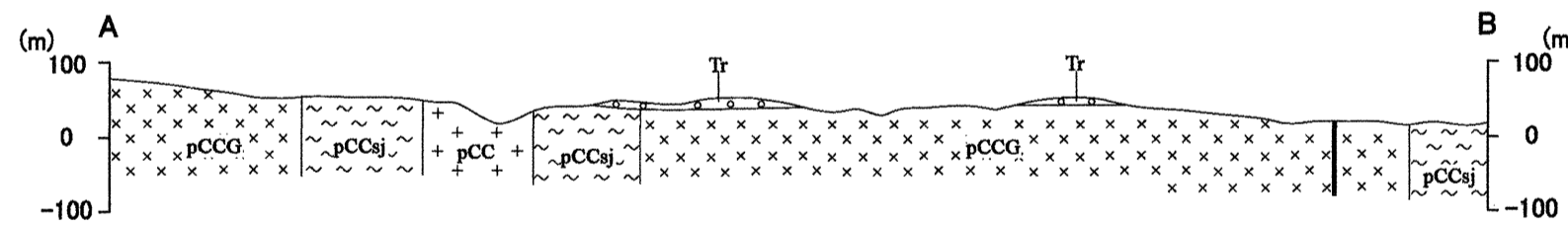
Geological Map and Geologic Profile with Location of
Rock Samples of the Western Part of the San Jose Area



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



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

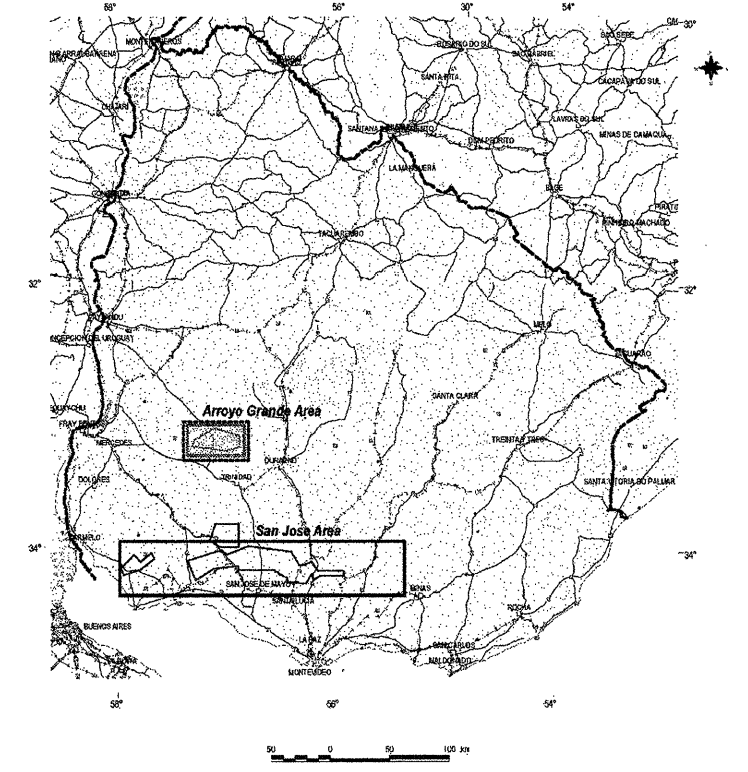


LEGEND

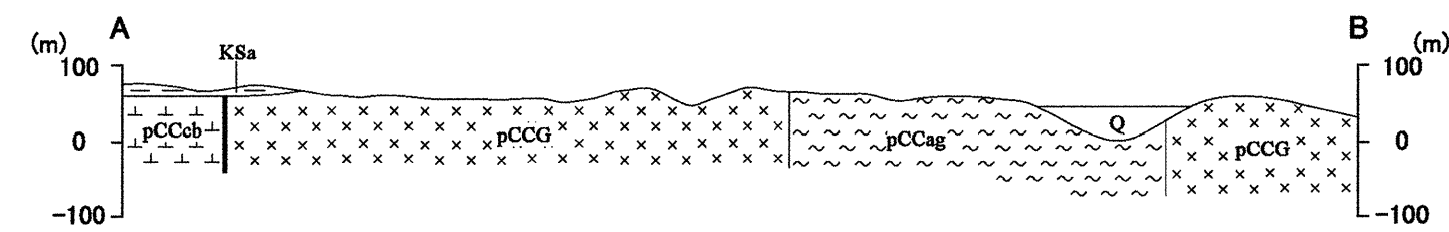
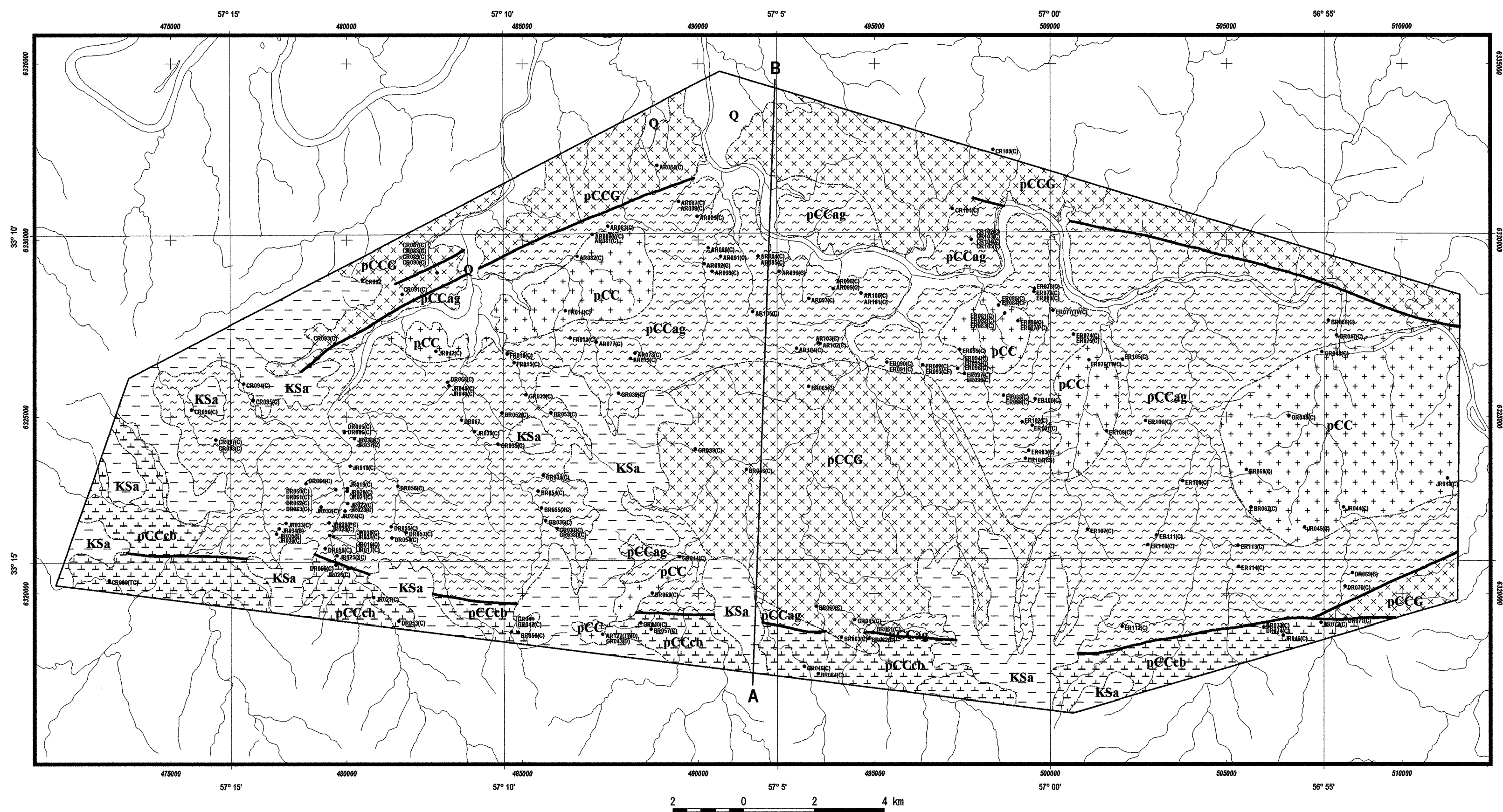
- Quaternary**
 - Q** gravel, sand, clay
- Tertiary**
 - Tr** fine sandstone, conglomerate, mudstone, breccia
- Cretaceous**
 - KSa** silicified rock, agate, fine sandstone
- Greenstone**
 - pCCag** Arroyo Grande Formation (The Arroyo Grande area): green schist, mica schist, quartz schist, gneiss, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite
 - pCCsj** Cerros de San Juan Formation (The western part of the San Jose area): green schist, mica schist, quartz schist, dolomite, talk, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite, dolerite
 - pCCps** Paso Severino Formation (The main part of the San Jose area): green schist, mica schist, quartz schist, metabasalt, metagabbro, metasandstone, slate, phyllite, amphibolite
 - pCCsjo** San Jose Formation (The main part of the San Jose area): green schist, mica schist, quartz schist, gneiss, metarhyolite, metabasalt, quartzite, metasandstone, slate, phyllite, amphibolite
- 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

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

Arroyo Grande Formation (The Arroyo Grande area) **pCCag** green schist, mica schist, quartz schist, gneiss, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite

Cerros de San Juan Formation (The western part of the San Jose area) **pCCsj** green schist, mica schist, quartz schist, dolomite, talk, metabasalt, metarhyolite, metasandstone, slate, phyllite, amphibolite, dolerite

Paso Severino Formation (The main part of the San Jose area) **pCCps** green schist, mica schist, quartz schist, metabasalt, metagabbro, metasandstone, slate, phyllite, amphibolite

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

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