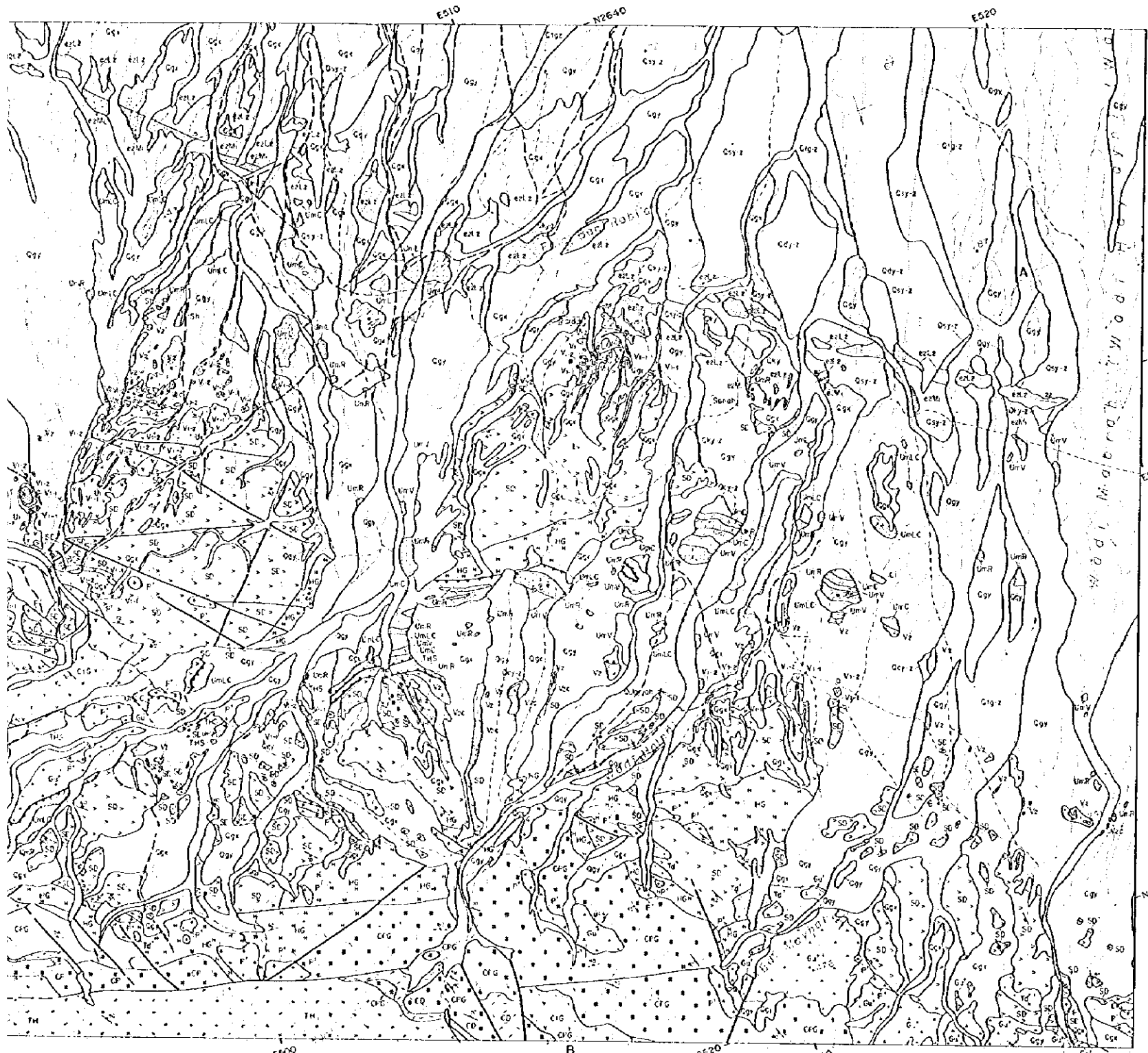
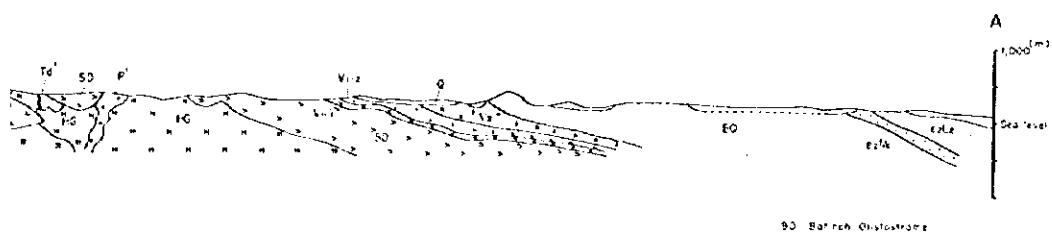
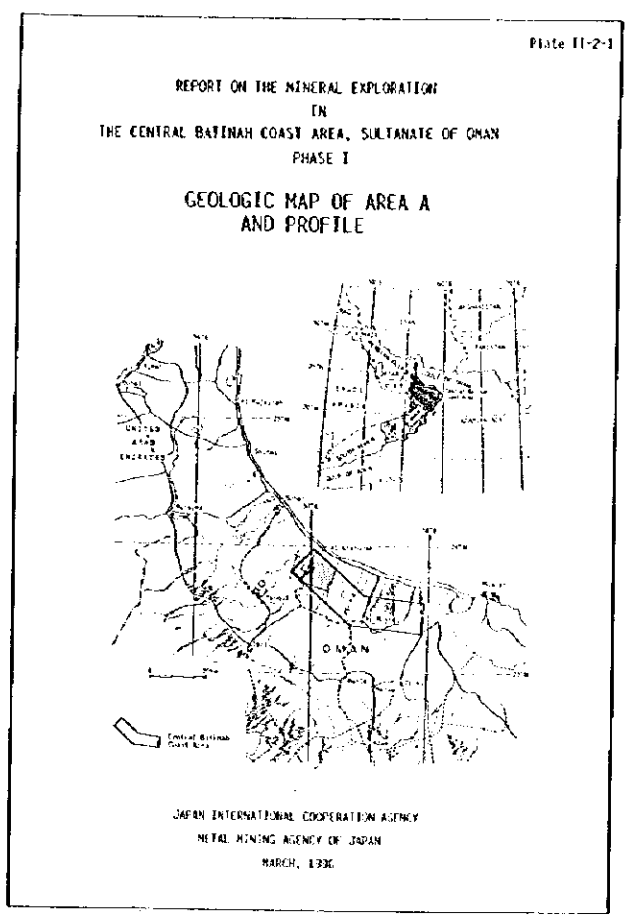


Plates

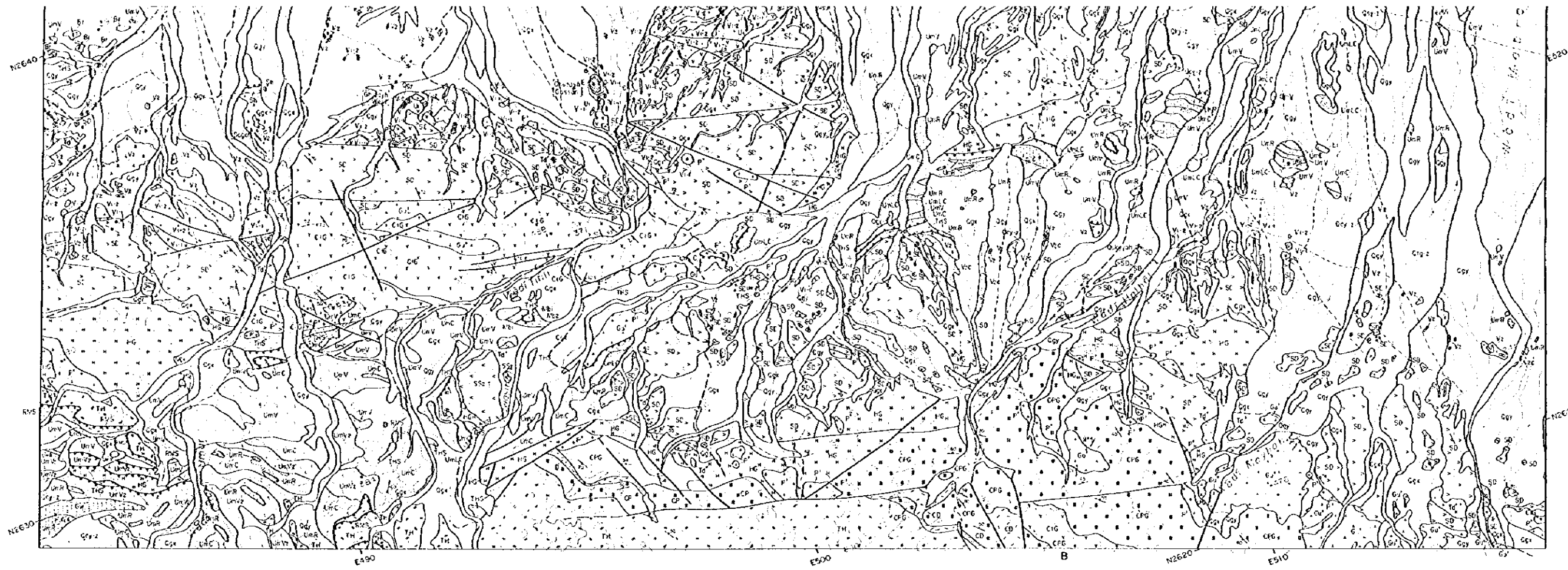
- Plate II-2-1 Geologic map and profile of Area A**
- Plate II-2-2 Geologic map and profile of Area B**
- Plate II-2-3 Geologic map and profile of Area C**
- Plate II-2-4 Sample locations in Area A**
- Plate II-2-5 Sample locations in Area B**
- Plate II-2-6 Sample locations in Area C**
- Plate II-3-1 Geologic map and profile of Ghuzayn Area**
- Plate II-3-2 Geologic map and profile of Buwayrik-Daris 3A5 Area**
- Plate II-3-3 Geologic map and profile of Daris-Daris West Area**
- Plate II-3-4 Geologic profile of Ghuzayn Area, Buwayrik-Daris 3A5 Area and Daris-Daris West Area**



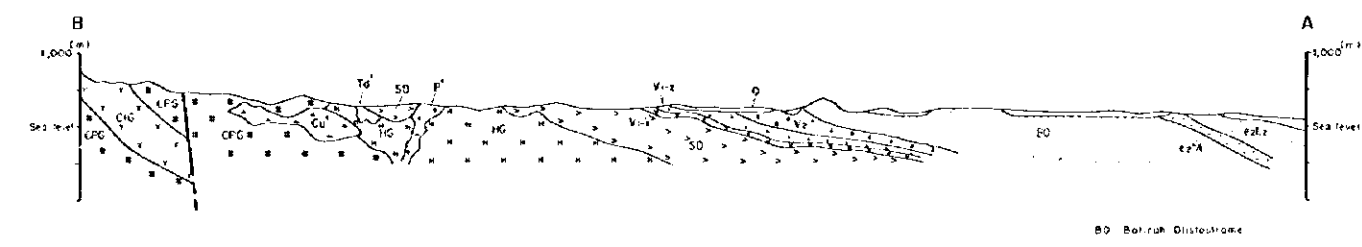
- LEGEND**
- POST-NAPPE AUTOCHTHONOUS UNIT**
- Ggy-1 Recent alluvial fans and alluvial
 - Ggy-2 Cutting of Recent or sub Recent soil on sand
 - Ggy-3 Eolian sand Recent or sub Recent dunes
 - Ggy-4 Eolian depression with Recent or sub Recent clay and silt
 - Ggy-5 Alluvial or sub Recent slope deposits since
 - Ggy-6 Sub Recent alluvial fans terraces
 - Ggy-7 Ancient alluvial fans terraces
- TECTONIC UNIT**
- Umr Sedimentary breccia
 - Umr-1 Upper micritic limestone
 - Umr-2 Yellow marl with large foraminifera
- TECTONIC UNIT**
- Umr-3 Fine massive sparry limestone with chert
 - Umr-4 Fine lithological micritic limestone chert, dark nodules
 - Umr-5 Red radiolarian diatomitic limestone
 - Umr-6 Olivolite of reef limestone
 - Umr-7 Basaltic to andesitic pillow lavas
 - Umr-8 Undifferentiated Triassic volcanic rocks
 - Umr-9 Chert and silicified micritic limestone
 - Umr-10 Diatritic limestone
 - Umr-11 Rustic sandstone with calcareous matrix
 - Umr-12 Brown limestone with microfossils/pelagic pelecypods
- TECTONIC UNIT**
- Umr-13 Subah'ah formation red radiolarian cherty shale
 - Umr-14 Basaltic to andesitic pillow lava and massive lava with basaltic pyroclastic
 - Umr-15 Sheeted sill, andesitic to dacitic composition
 - Umr-16 Volcanic conglomerate or breccia, rounded clasts composed of SD, Vg, and so on
 - Umr-17 Other or metalliferous sediments with radiolarian chert
 - Umr-18 Lower extrusives 2 basaltic pillow lava with small pillow lava and massive lava
 - Umr-19 Lower extrusives 1 basaltic pillow lava composed of big size pillow lava
 - Umr-20 Sheeted dyke diatritic and basaltic dyke
 - Umr-21 High level gabbro
 - Umr-22 Cumulate planar laminated gabbro
 - Umr-23 Cumulate layered gabbro
 - Umr-24 Cumulate interlayered gabbro
 - Umr-25 Cumulate peridotite
 - Umr-26 D differentiated diorite, D diorite undifferentiated
 - Umr-27 Harzburgite with minor diorite and ilmenite
 - Umr-28 Serpentinized harzburgite with minor diorite
 - Umr-29 Dolerite dyke 3X
 - Umr-30 Trondhjemite or quartz diorite
 - Umr-31 Ultrabasic gabbro diorite and quartz diorite
 - Umr-32 Amphibole, trondhjemite, plagioclase bearing diorite and olivine bearing gabbro
 - Umr-33 Banded units
- TECTONIC UNIT**
- Umr-34 Big gabbro mineral showing
 - Umr-35 Small gabbro mineral showing and trace of mineral showing
 - Umr-36 Quartz vein and rock
- TECTONIC UNIT**
- Umr-37



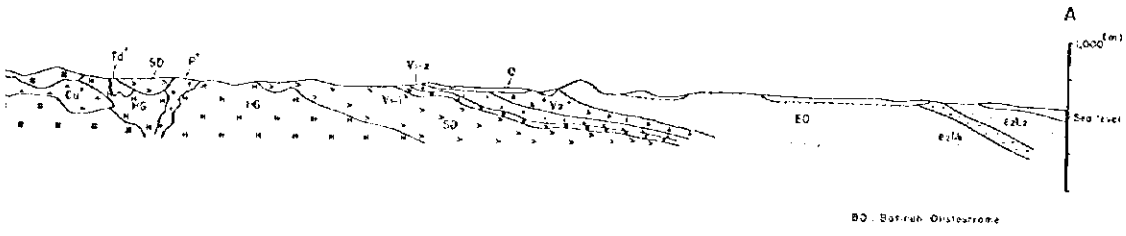
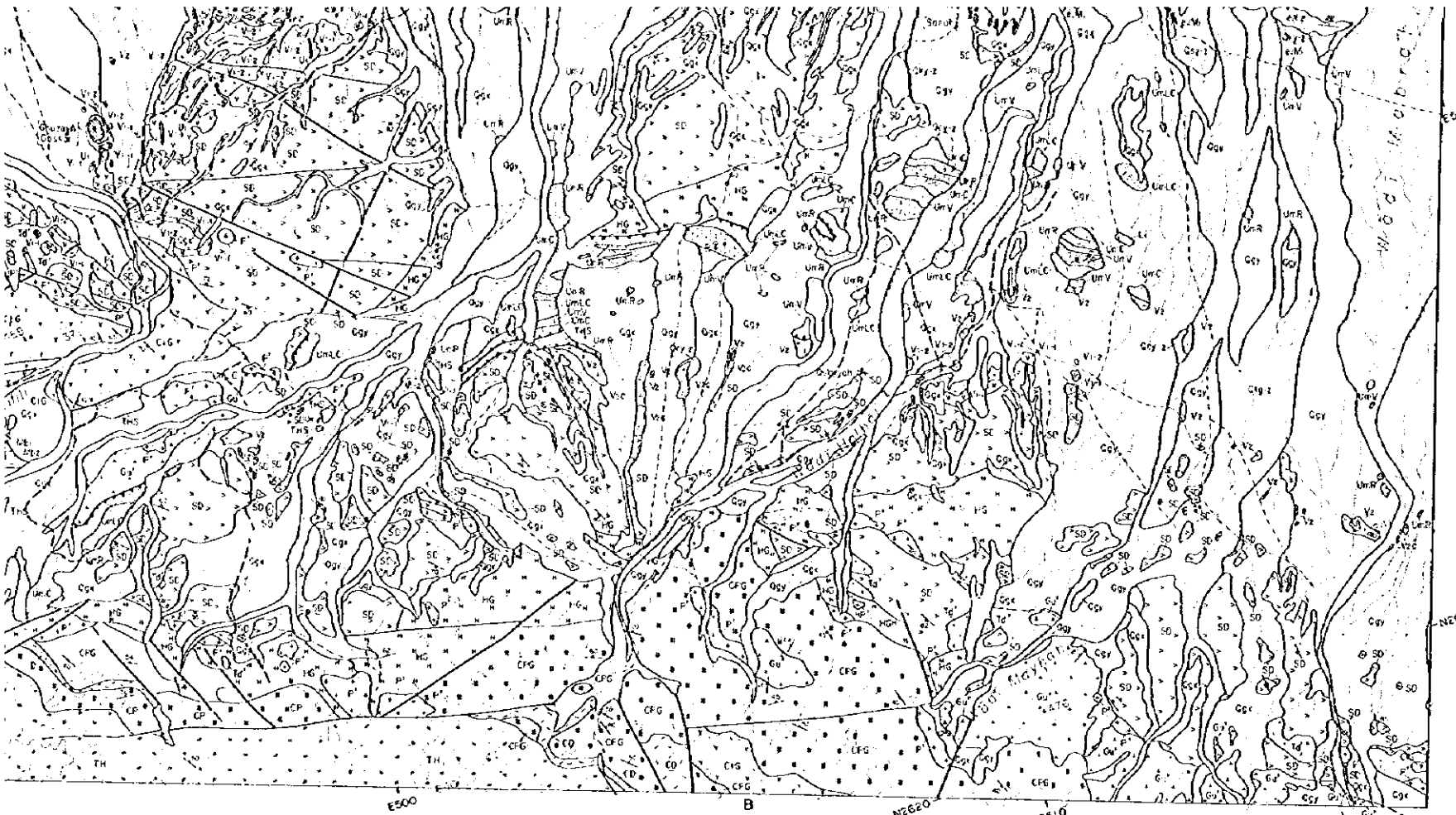
93 Batten Chistocrone



SUPRA-OPHIOLITE SEDIMENTS (BATTAN DISTRICTS)	
UMAR GROUP	Red sand
UNAR GROUP	Claystone
UNAR GROUP	Basaltic
UNAR GROUP	Andite
UNAR GROUP	Quartzite
UNAR GROUP	Dolomite
UNAR GROUP	Basalt
UNAR GROUP	Brown
SAMAIL VOLCANIC ROCKS	
SV1	Schist
SV2	Shale
SV3	Sheeted
SV4	Volcanic
SV5	Unconformable
SV6	Lacustrine
SV7	Lacustrine
SV8	Sheeted
SV9	High level
SV10	Cumulate
SV11	Cumulate
SV12	Cumulate
SV13	Cumulate
SV14	CD cumulate
SV15	Hardburg
SV16	Serpentine
SV17	Dolerite
SV18	Tranquill
SV19	Ultrabasic
SV20	Ultrabasic and gabbro
SV21	Basaltic
METAMORPHIC ROCKS	
SG1	Big gneiss
SG2	Small gneiss and mica
SG3	Quartzite
STRUCTURAL FEATURES	
(Symbol)	Strike a
(Symbol)	Strike a
(Symbol)	Strike a
(Symbol)	Normal
(Symbol)	Thrust



BD Bot.rah Dist. zone



B-A Batubane Ophiolite

SUPRA-OPHIOLITE SEDIMENTS (BATUBANE OLIGOSTRONS)

UNR	White to yellow claystone with chert
UNR	Fine to coarse micritic limestone with chert nodules
UNR	Red radiolarian chert micritic limestone
UNR	Disconformity of reef limestone
UNR	Basaltic to andesitic pillow lavas
UNR	Un-differentiated Triassic volcanic rocks
UNR	Chert and siltified micritic limestone
UNR	Dolomitic limestone
UNR	Russet sandstone with calcareous matrix
UNR	Brown limestone with microfossils (pelagic pelocypid)

SAMAIL VOLCANIC ROCKS

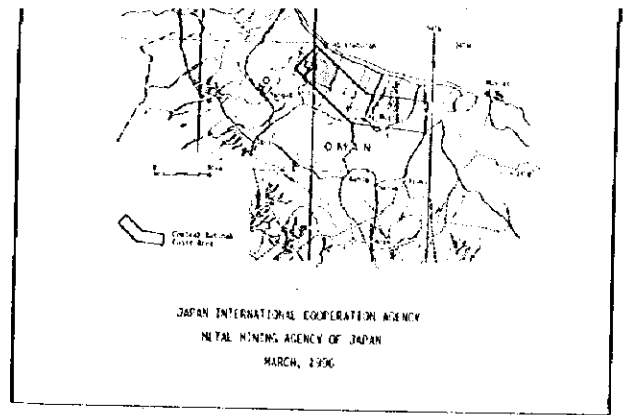
SV1	Small formation red radiolarian cherty shale
SV2	Wedge extrusives basaltic to andesitic pillow lava and massive lava with basaltic
SV3	Directed with andesitic to dacitic composition
SV4	Volcanic conglomerate or breccia reworked rocks composed of SD, V, P, and SO
SV5	Thin or metalliferous sediments with radiolarian chert
SV6	Lower extrusives 2 basaltic pillow lava with small pillow lava and massive lava
SV7	Lower extrusives 1 basaltic pillow lava composed of big size pillow lava
SV8	Sheeted dike doleritic and basaltic dike
SV9	High level gabbro
SV10	Cumulate plain laminated gabbro
SV11	Cumulate layered gabbro
SV12	Cumulate interlayered gabbro
SV13	Cumulate peridotite
SV14	CB cumulate dunite, B dunite and differentiated
SV15	Harzburgite with minor dunite and ilmenite
SV16	Serpentinized harzburgite with minor dunite
SV17	Dolerite dykes
SV18	Trondhjemite or quartz diorite
SV19	Ultrabasic gabbro, diorite and quartz diorite
SV20	Ekharite, trondhjemite, plagioclase bearing diorite, and of fine bearing pyroxenite

ECONOMIC GEOLOGY SYMBOLS

Symbol	Big gossanized mineral showing
Symbol	Small gossanized mineral showing and rim of mineral showing
Symbol	Quartz vein and network

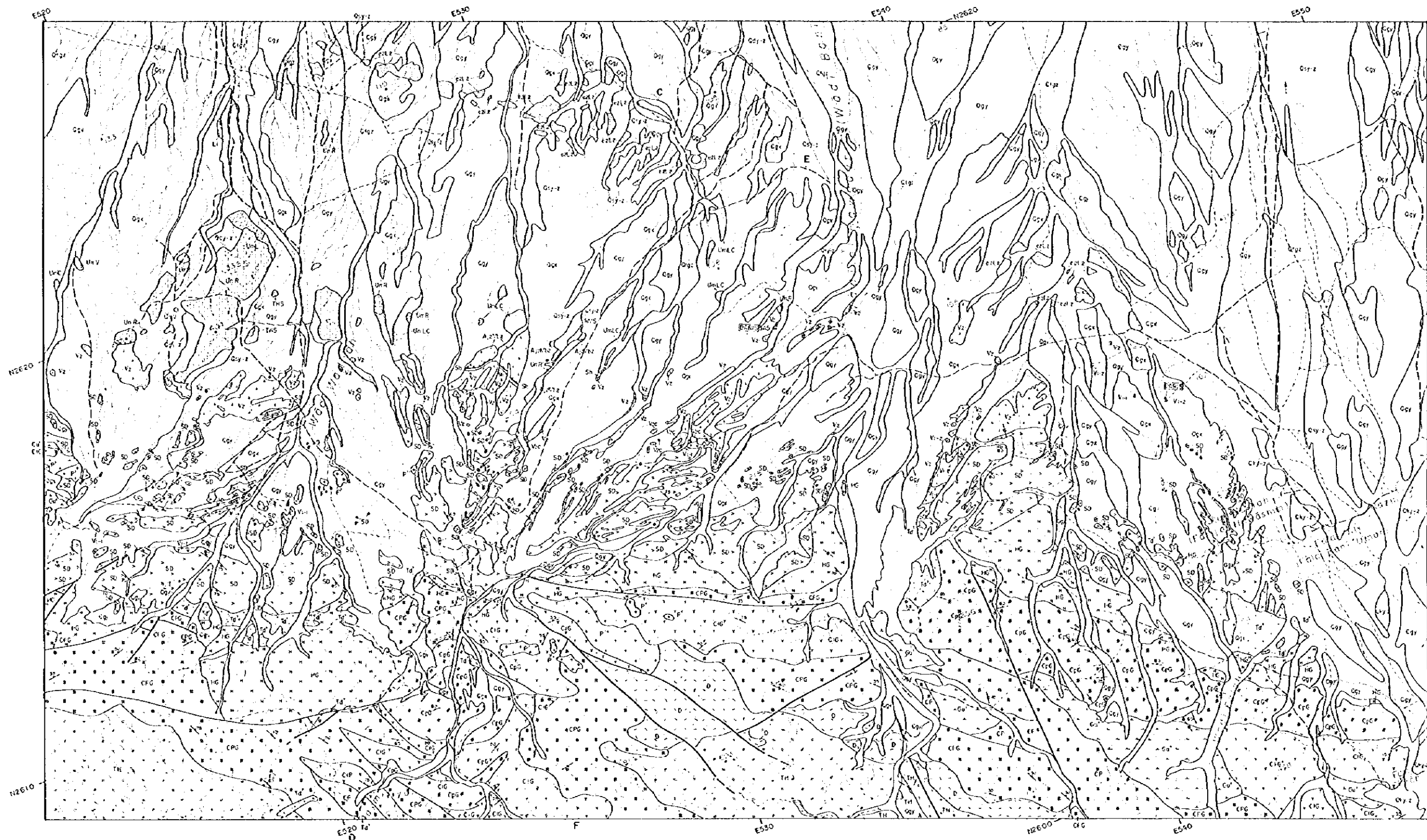
STRUCTURAL FEATURES

Symbol	Strike and dip of bedding
Symbol	Strike and dip of dikes and sills
Symbol	Strike and dip of layering
Symbol	Null dashed where inferred or concealed
Symbol	Thrust fault, low north showing dip

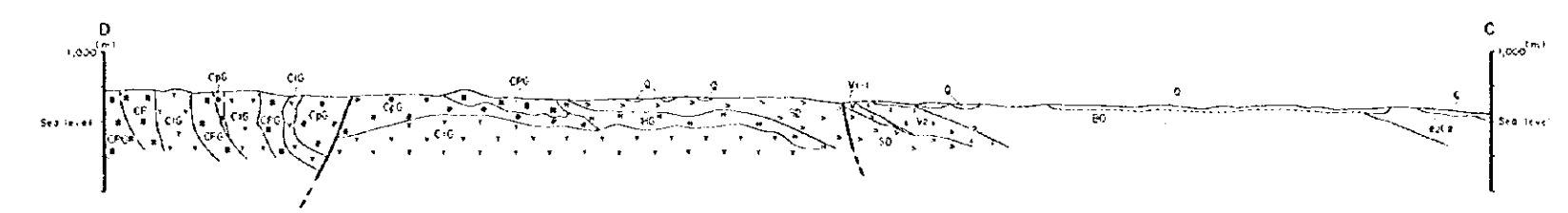


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JAPAN INTERNATIONAL COOPERATION AGENCY
NITEL MINING AGENCY OF JAPAN
MARCH, 1996

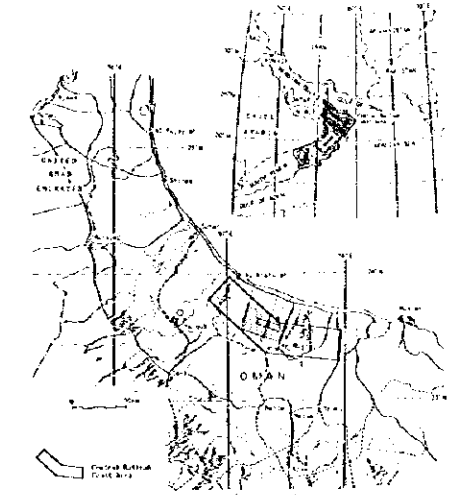


- POST-NAPE AUTOCHTHONOUS UNIT**
 TERTIARY
 LATE TERTIARY-QUATERNARY
- SUPRA-OPHIOLITE SEDIMENTS (BATTAN OLISTOSTROMES)**
 UNAR GROUP
 LATE PLEISTOCENE
 UNAR GROUP
 LATE PLEISTOCENE
 UNAR GROUP
 LATE PLEISTOCENE
- SIMALL NAPPE (OPHIOLITE)**
 TECTONITES
 CUMULATE SEQUENCE
 SMALL VOLCANIC ROCKS
- INTRUSIVES**
- METAMORPHIC**
- LEGEND**
- UNIT**



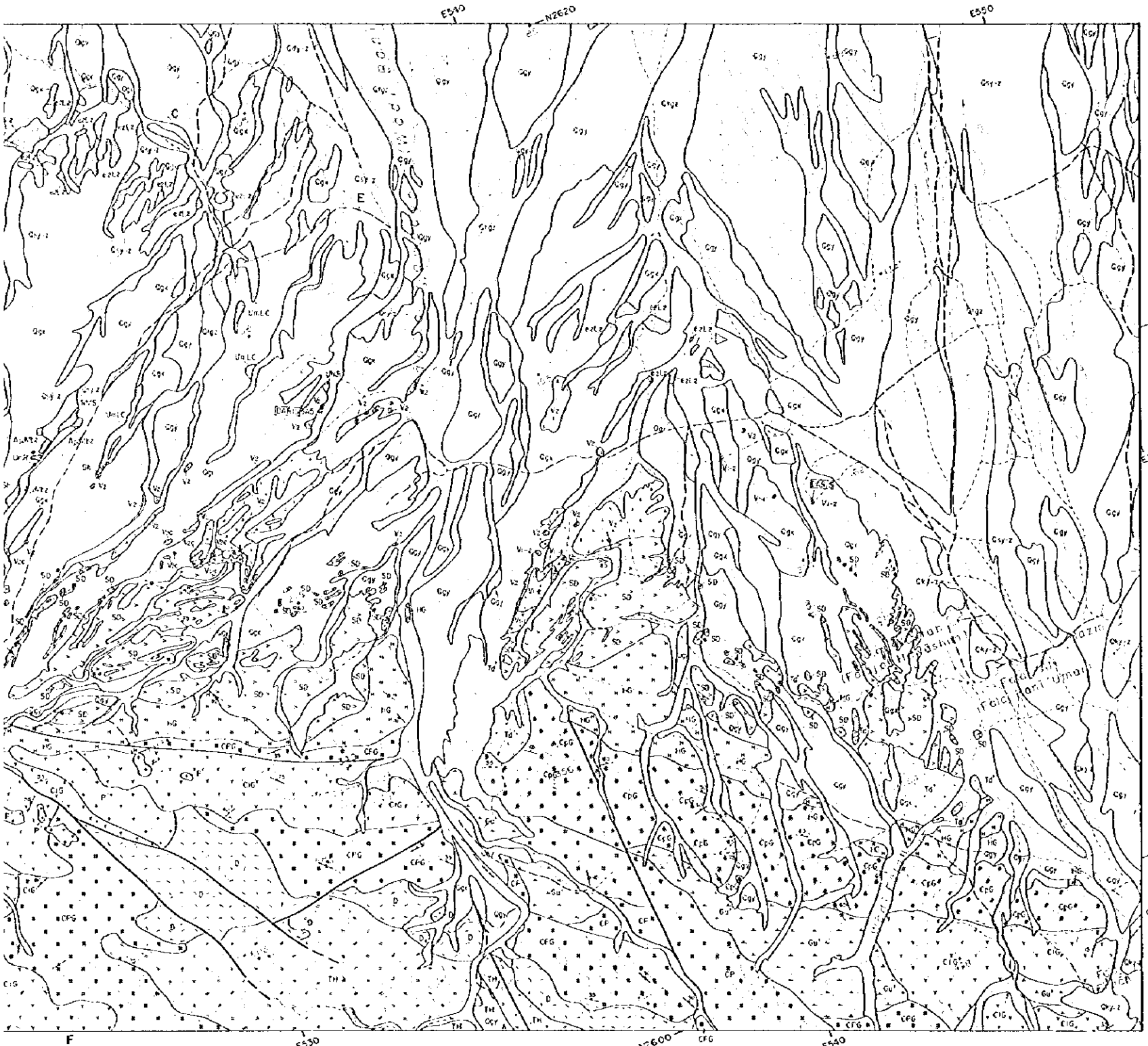
80 Bafna Olistostrome

REPORT ON THE MINERAL EXPLORATION
IN
THE CENTRAL BATINAH COAST AREA, SULTANATE OF OMAN
PHASE I
GEOLOGIC MAP OF AREA B
AND PROFILE



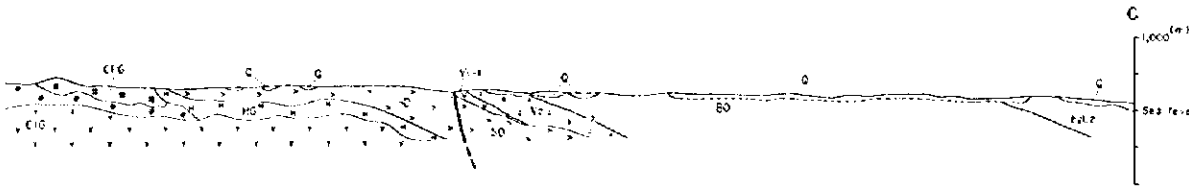
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 1976

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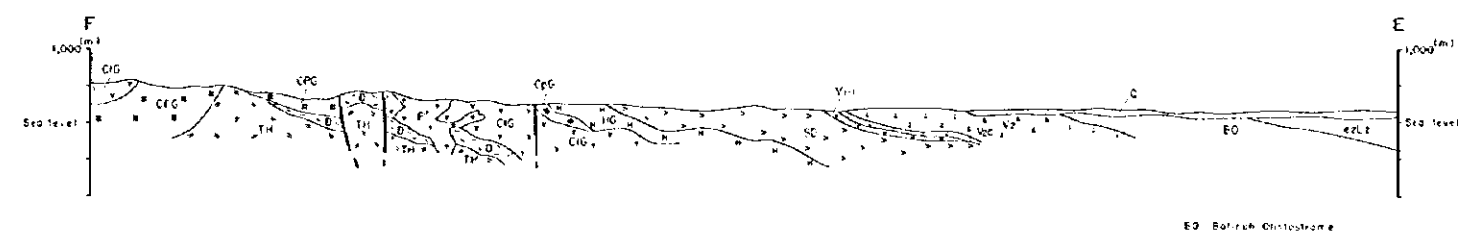
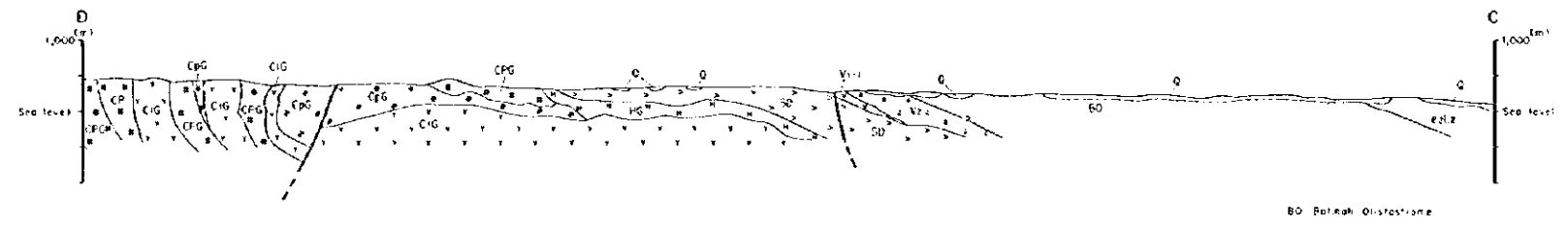
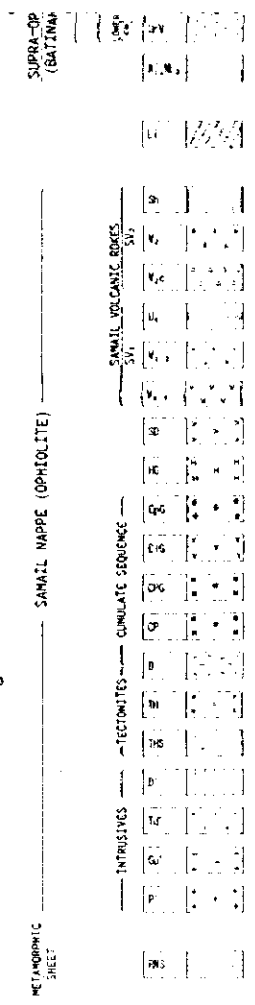
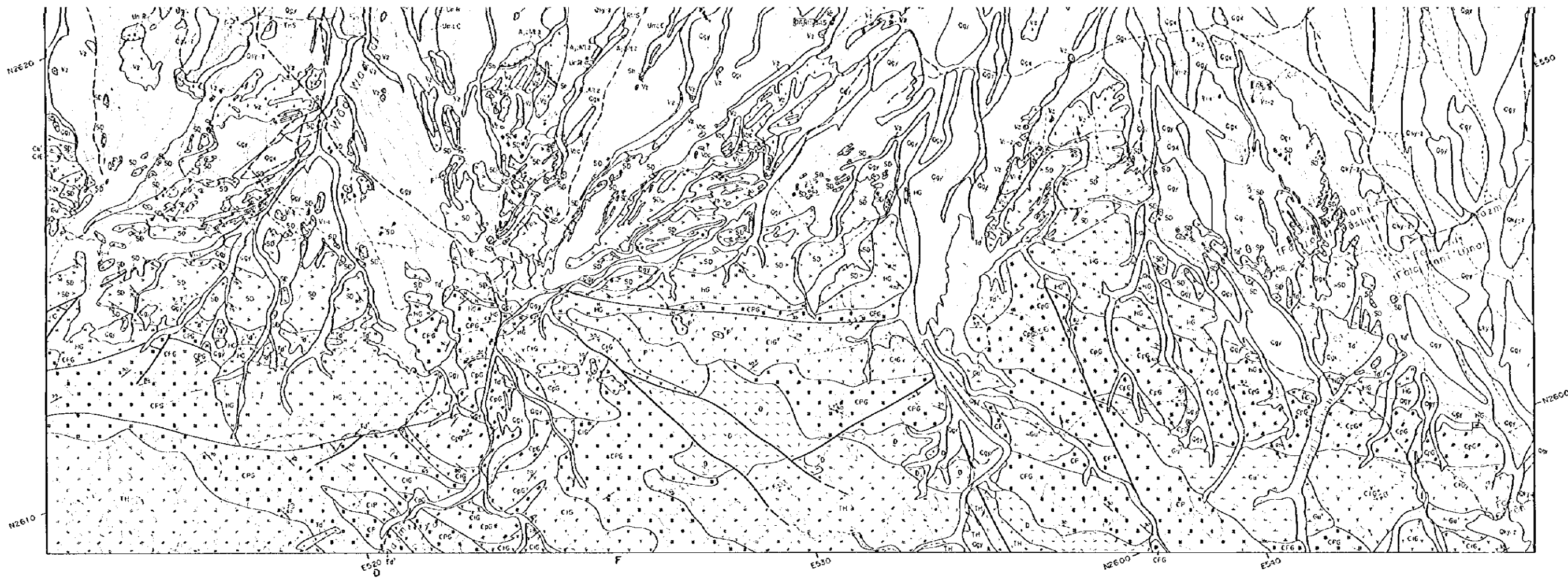


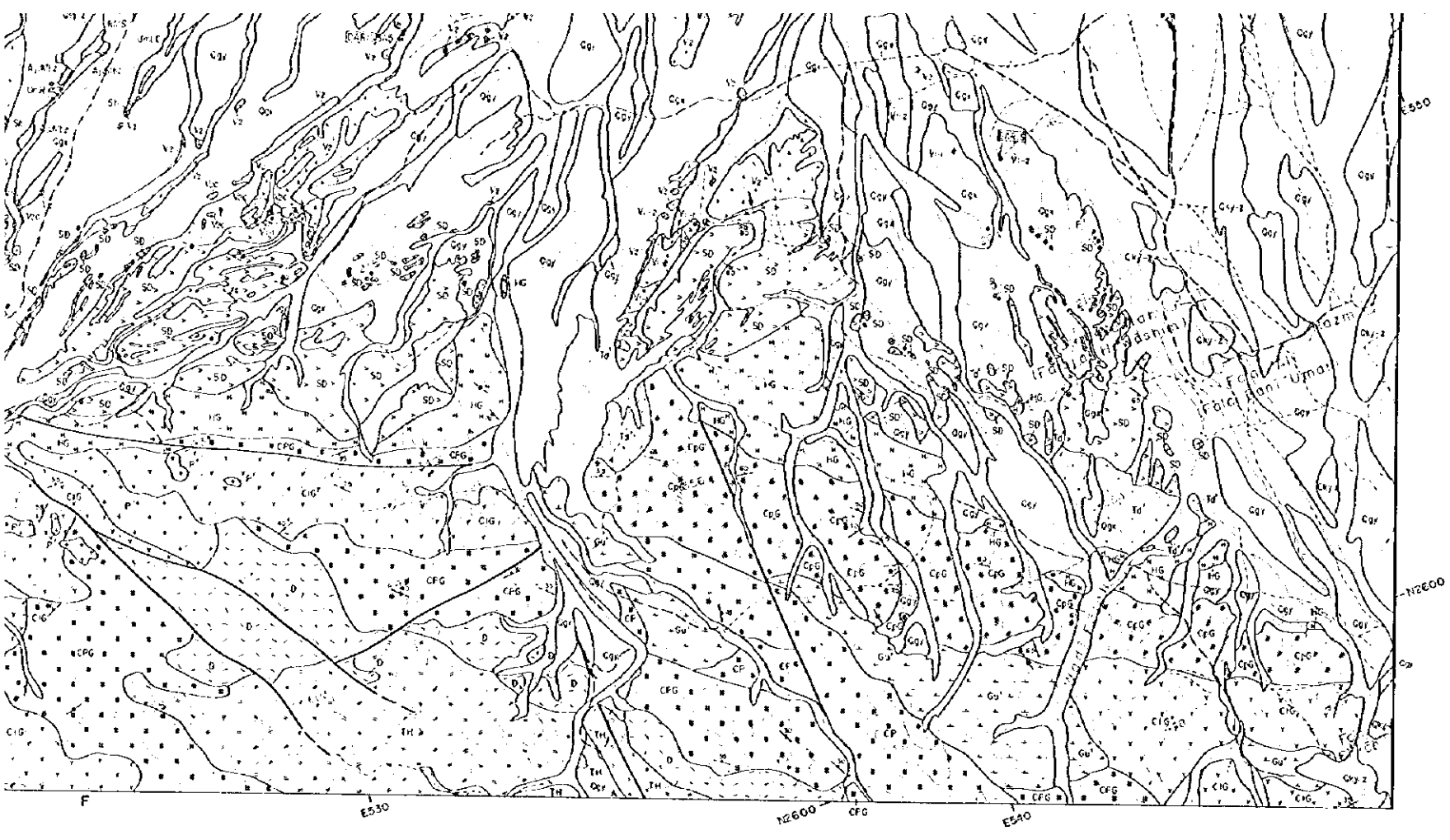
LEGEND

POST-NAPPE AUTOCHTHONOUS UNIT	LEGEND
Qp-z	Recent alluvial fans and alluvium
Qy-z	Gravel of Recent or sub-Recent alluvial sand
Qx-z	Eolian sand, Recent or sub-Recent dunes
Qv-z	Shallow depression with Recent or sub-Recent clay and silt
Qw	Sub-Recent alluvial fans, terraces
Qa	Ancient alluvial fans, terraces
UPPER MIDDLE TRIASSIC	LEGEND
U1	Upper middle Triassic limestone
UPPER TRIASSIC TO EARLY CRETACEOUS	LEGEND
U2	White massive sparry limestone with chert
U3	Fine limestones, micritic limestone, chert, chert nodules
U4	Red radiolarian chert with micritic limestone
U5	Disconformity of red limestone
U6	Undifferentiated Triassic volcanic rocks
U7	Radiolarian chert, siltstone and sandstone
LOWER TRIASSIC TO EARLY CRETACEOUS	LEGEND
L1	Limestone
SMALL VOLCANIC ROCKS	LEGEND
S1	Safayyah Formation, red radiolarian cherty shales
S2	Middle extrusives basaltic to andesitic pillow lava and massive lava with basaltic tuff
S3	Volcanic conglomerate or breccia, scoria tuffs composed of SD, V1, V2, V3 and so on
S4	Dolerite or andesite, tuffaceous sediments with radiolarian chert
S5	Lower extrusives basaltic pillow lava with small pillow lava and massive lava
S6	Lower extrusives basaltic pillow lava composed of big size pillow lava
S7	Shield dike doleritic and basaltic dike
S8	High level gabbro
CUMULATE SEQUENCE	LEGEND
CG1	Cumulate planar laminated gabbro
CG2	Cumulate layered gabbro
CG3	Cumulate interlayered gabbro
CG4	Cumulate peridotite
DOLERITE	LEGEND
D	Dolerite undifferentiated
TECTONITES	LEGEND
TH	Harzburgite with minor diorite and gabbro
HS	Serpentinized Harzburgite with minor diorite
D	Dolerite dikes
INTRUSIVES	LEGEND
Td	Trondhjemite or quartz diorite
Gd	Granitic gabbro, diorite and quartz diorite
P	Basaltic trondhjemite, plagioclase bearing diorite and olivine bearing gabbro
REMARKS	LEGEND
MS	Mineralizations
MINERALIZATION SYMBOLS	LEGEND
MS	Big generalized mineral showing
ms	Small generalized mineral showing and name of mineral showing
Q	Quartz vein and reefs
STRUCTURAL FEATURES	LEGEND
S	Strike and dip of bedding
S'	Strike and dip of dikes and sills
S''	Strike and dip of layering
A	Anticline and syncline inferred or concealed



B0 Batinah Olistostromes

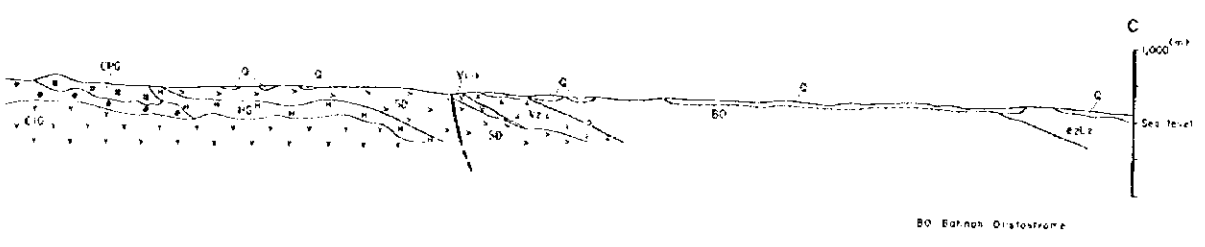
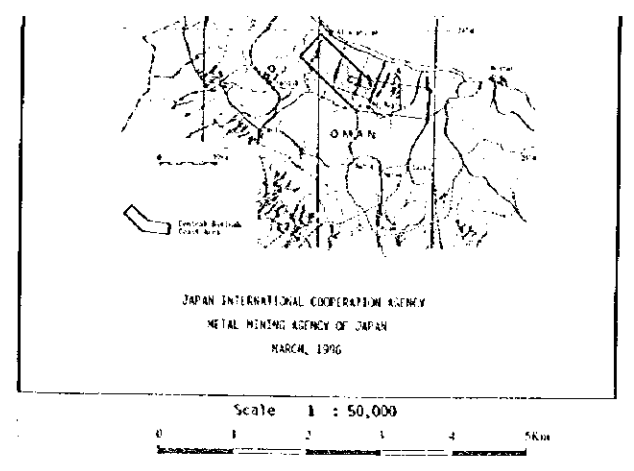




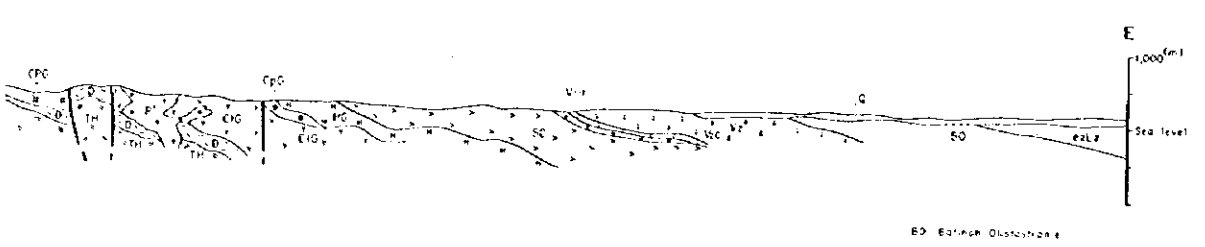
SUPRA-ORNI (BATIMNAH)
 SAMAIL NAPPE (OPHIOLITE)
 METAMORPHIC SHEET

U	Ultrabasic of level 1 feature
U	Differentiated tholeiitic volcanic rocks
A, M	Radioactive cherty siltstone and sandstone
H	Listwanite
Sh	Subvolcanic formation, red radioactive cherty shale
Sh	Shale extrusives basaltic to andesitic pillow lava and massive lava with thin pyroxene
U	Volcanic conglomerate or breccia (radioactive rocks) composed of SD, V, U, and so on
U	Water or metaliferous sediments with radioactive chert
Sh	Lower extrusives 2 basaltic pillow lava with small pillow lava and massive lava
Sh	Lower extrusives 1 basaltic pillow lava composed of big size pillow lava
SD	Shielded dike, dikeitic and basaltic dike
HG	High level gabbro
CG	Cumulate planar laminated gabbro
CG	Cumulate layered gabbro
CG	Cumulate interlayered gabbro
CG	Cumulate peridotite
D	Diorite and feldspathic
TH	Harzburgite with minor diorite and thiorite
HG	Serpentinized harzburgite with minor diorite
D	Diorite dike 3N
Td	Trondhjemite or quartz diorite
Gu	Dialytic gabbro diorite and quartz diorite
P	Basaltic, trondhjemite plagioclase bearing diorite and of fine bearing peridotite
NG	Metasediments

	Big gneissized mineral showing
	Small gneissized mineral showing and none of mineral showing
	Quartz vein and network
STRUCTURAL FEATURES	
	Strike and dip of bedding
	Strike and dip of dikes and sills
	Strike and dip of layering
	Fault, dashed where inferred or concealed
	Thrust fault, see teeth showing dip

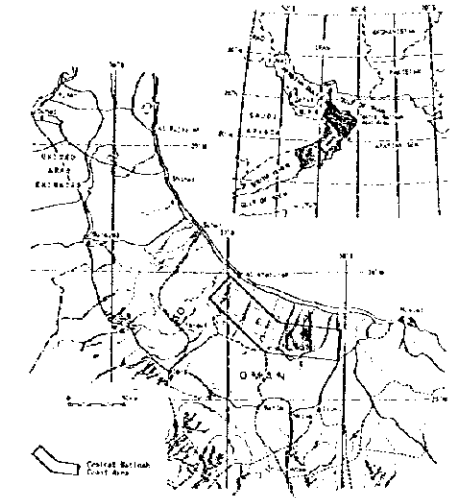


C-C' Batimnah Distortive



E-E' Batimnah Ophiolite

REPORT ON THE MINERAL EXPLORATION
IN
THE CENTRAL BATTNAH COAST AREA, SULTANATE OF OMAN
PHASE I
**GEOLOGIC MAP OF AREA C
AND PROFILE**



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 1966

Scale 1 : 50,000
0 1 2 3 4 5 Km

LEGEND

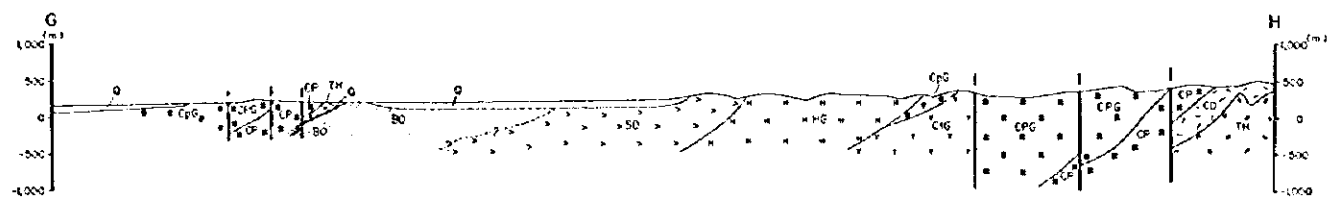
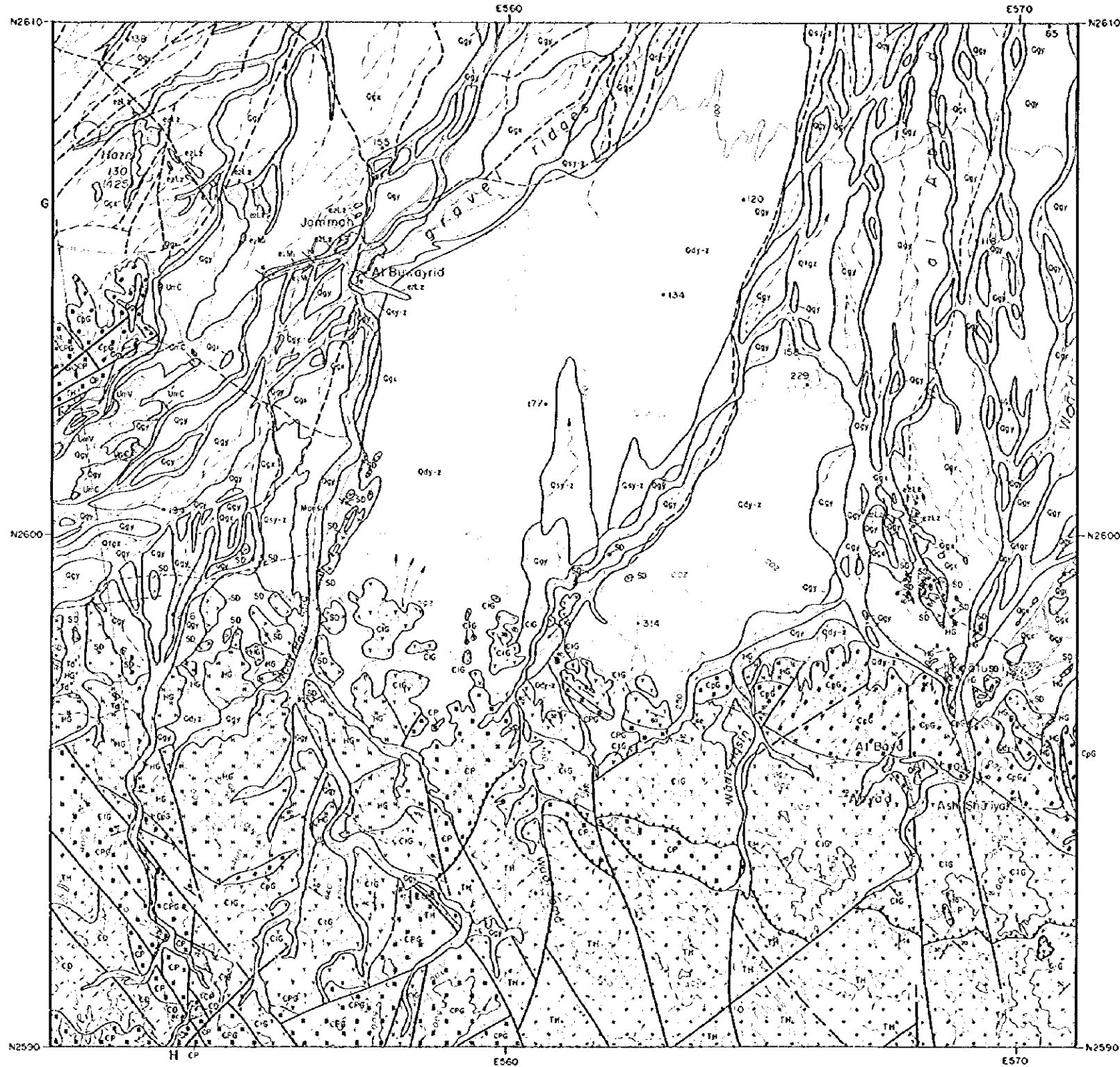
- Recent alluvial fans and alluvium
- Coating of Recent or sub-Recent eolian sand
- Eolian sand, Recent or sub-Recent dunes
- Khagra depression with Recent or sub-Recent clay and silt
- Sub-Recent alluvial fans terraces
- Ancient alluvial fans terraces
- Upper eolian limestone
- Yellow marl with large foraminifera
- Red radiolarian chert, micritic limestone
- Undifferentiated Triassic volcanic rocks
- Sheeted dike, doleritic and basaltic dike
- High-level gabbro
- Cumulate planar-laminated gabbro
- Cumulate layered gabbro
- Cumulate interlayered gabbro
- Cumulate peridotite
- Di-cumulate anorthite
- Harzburgite with minor diorite and ilmenite
- Dolerite dyke, etc.
- Troilite or quartz diorite
- Bifurcated, trachytic plagioclase bearing diorite and olivine bearing pyroxenite

SYMBOLS FOR OTHER SYMBOLS

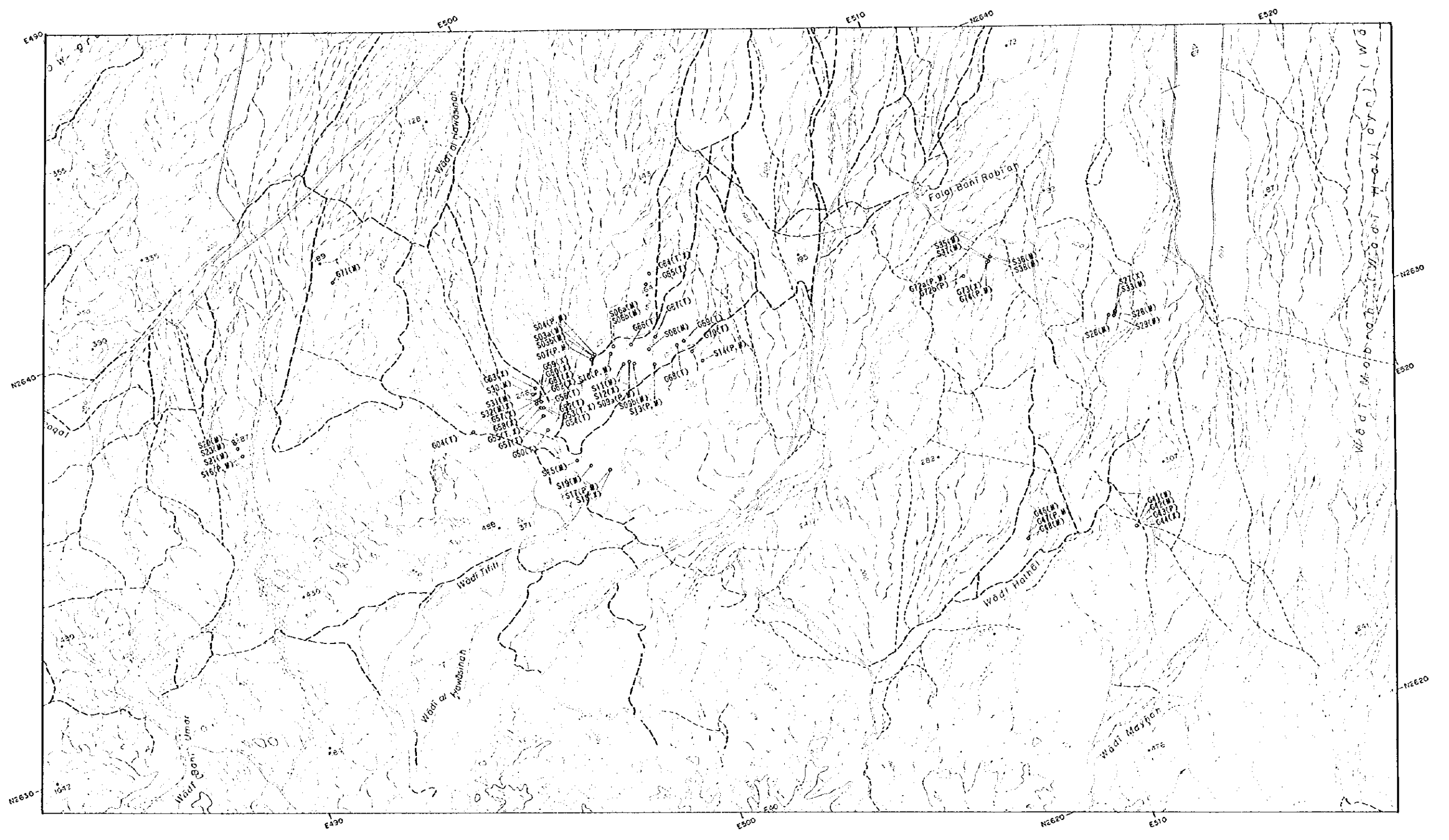
- Big gossitized mineral showing
- Small gossitized mineral showing and none of mineral showing
- Quartz vein and network

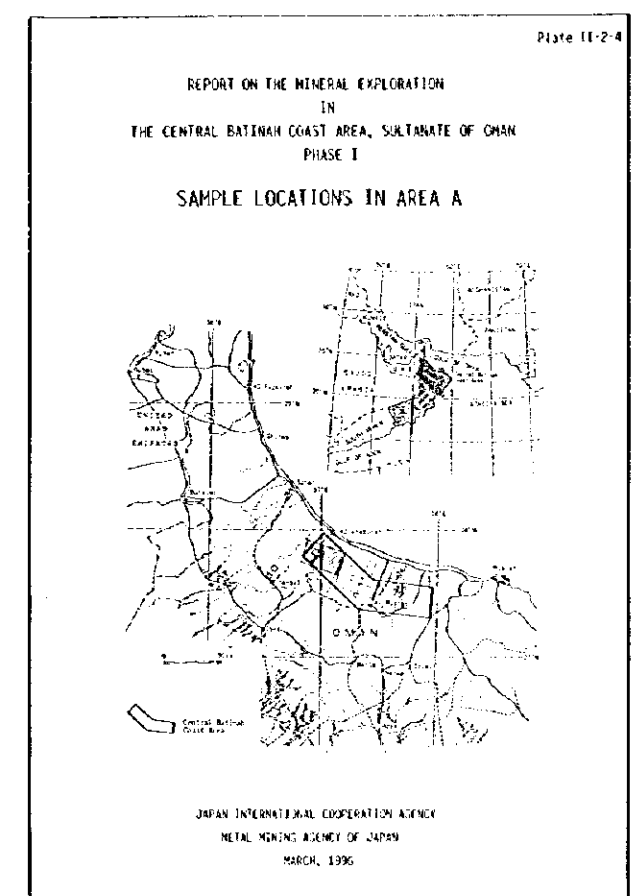
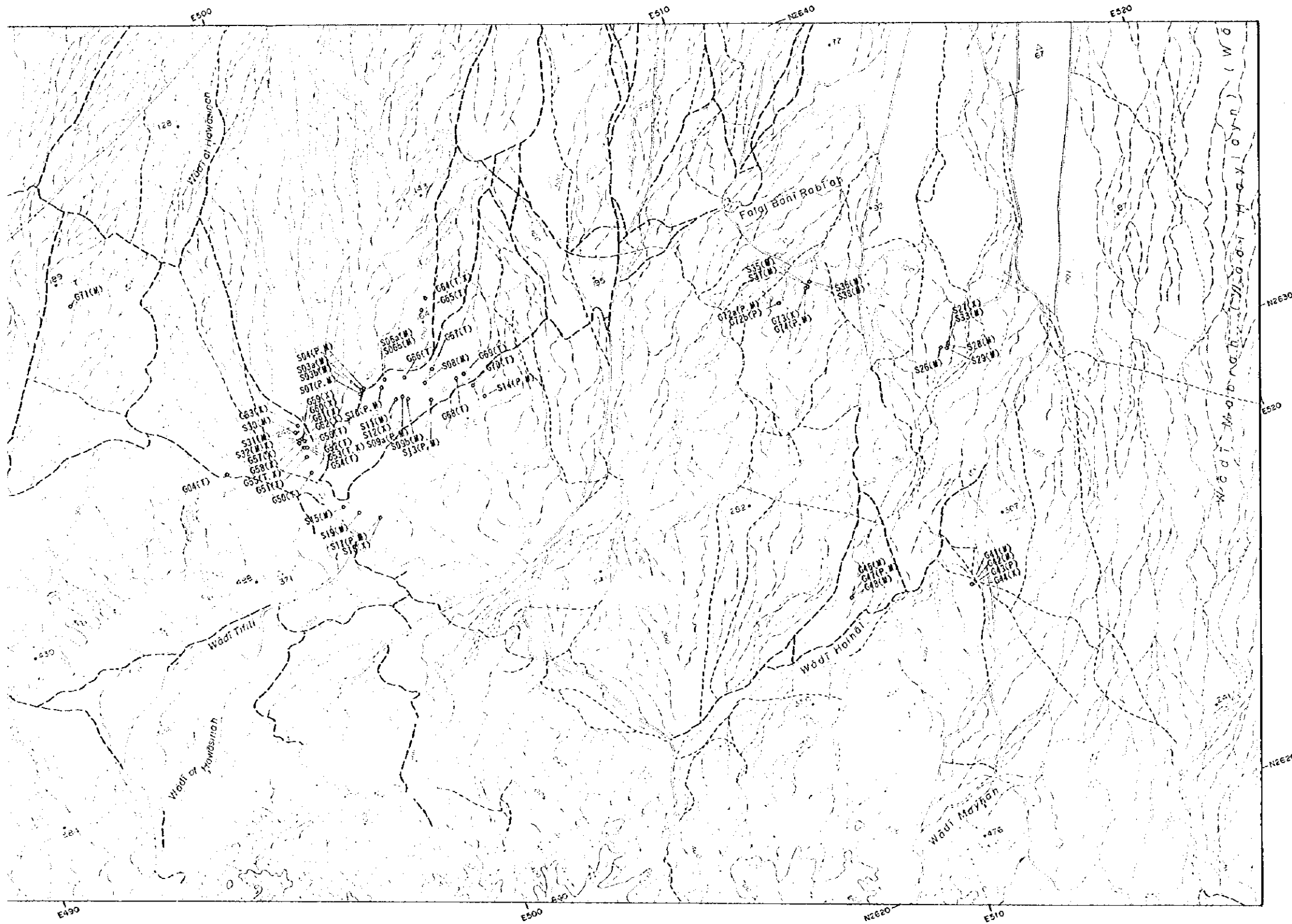
STRUCTURAL FEATURES

- Strike and dip of bedding
- Strike and dip of dikes and sills
- Strike and dip of layering
- Fault dashed where inferred or concealed
- Thrust fault sun teeth showing dip

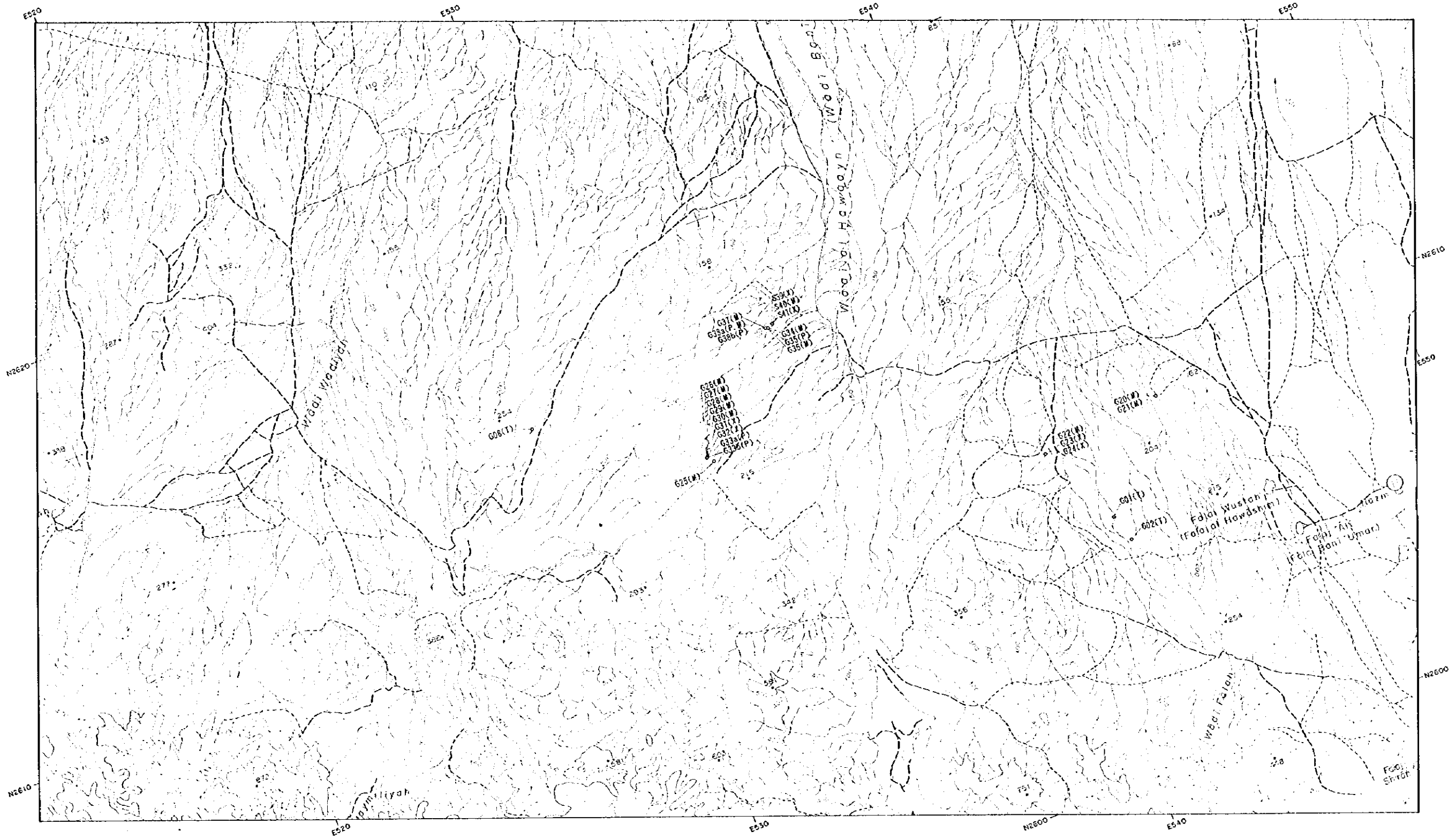


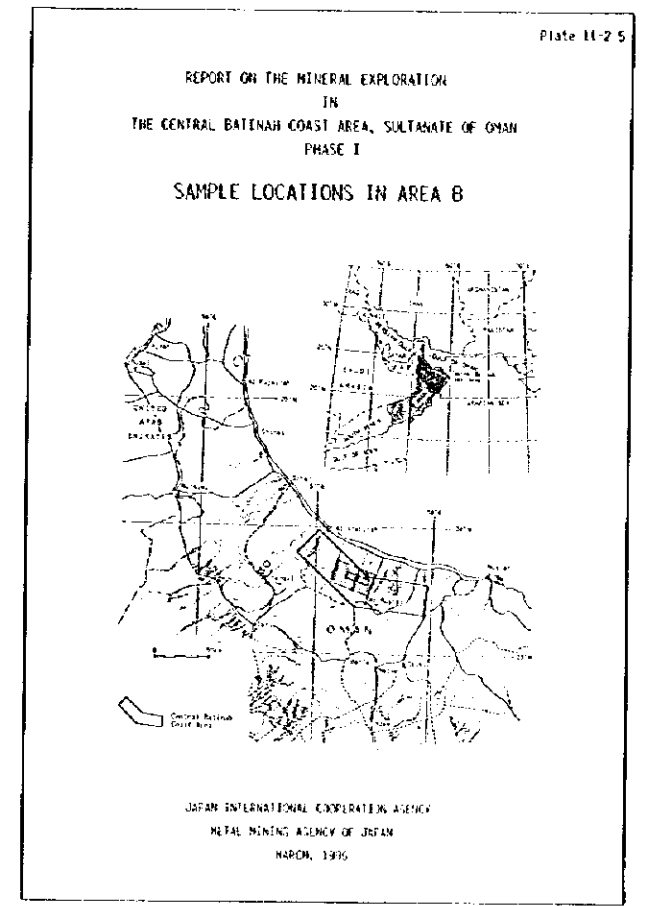
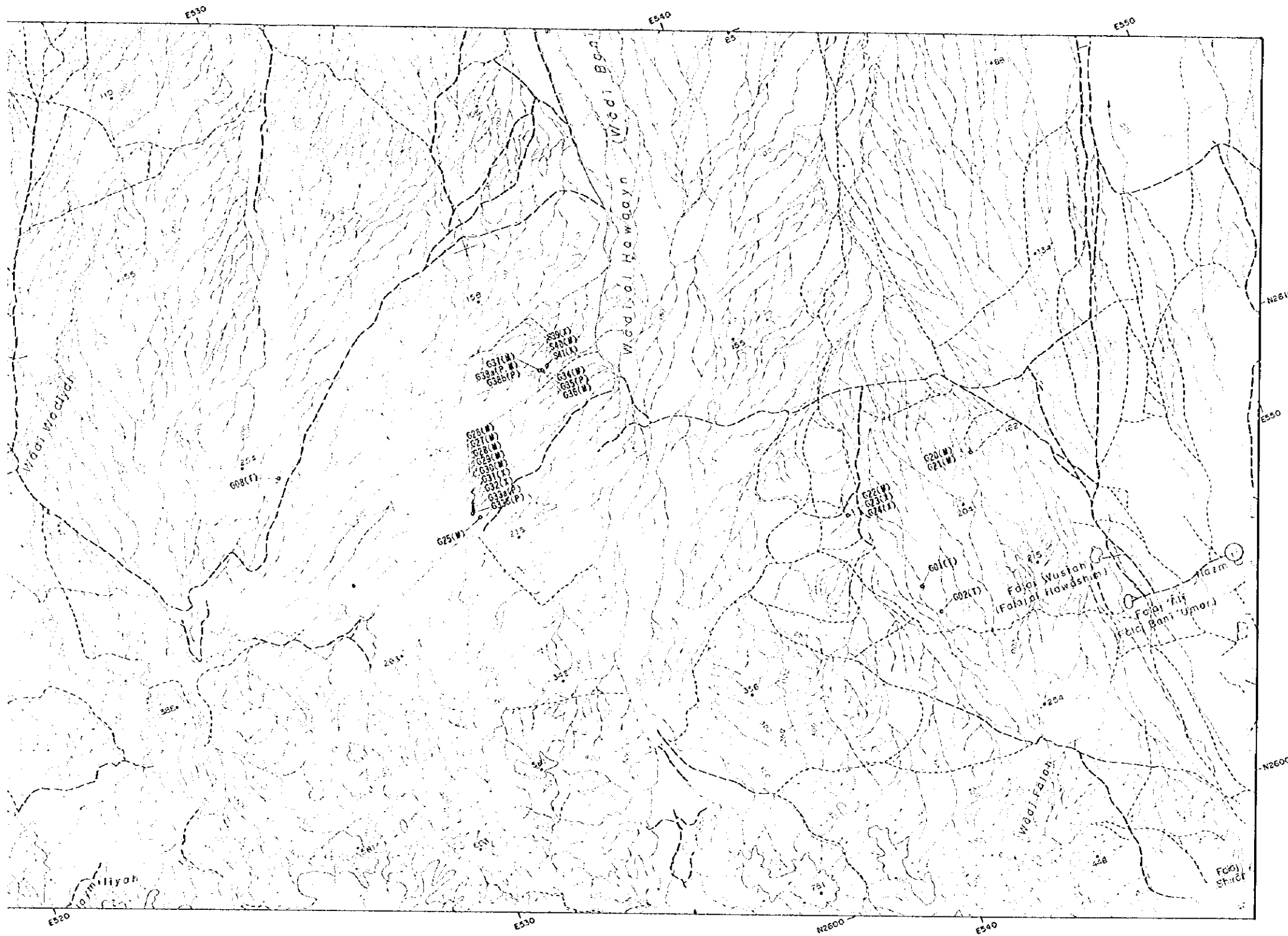
BD - Battnah Olistostrome



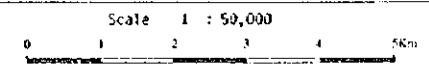
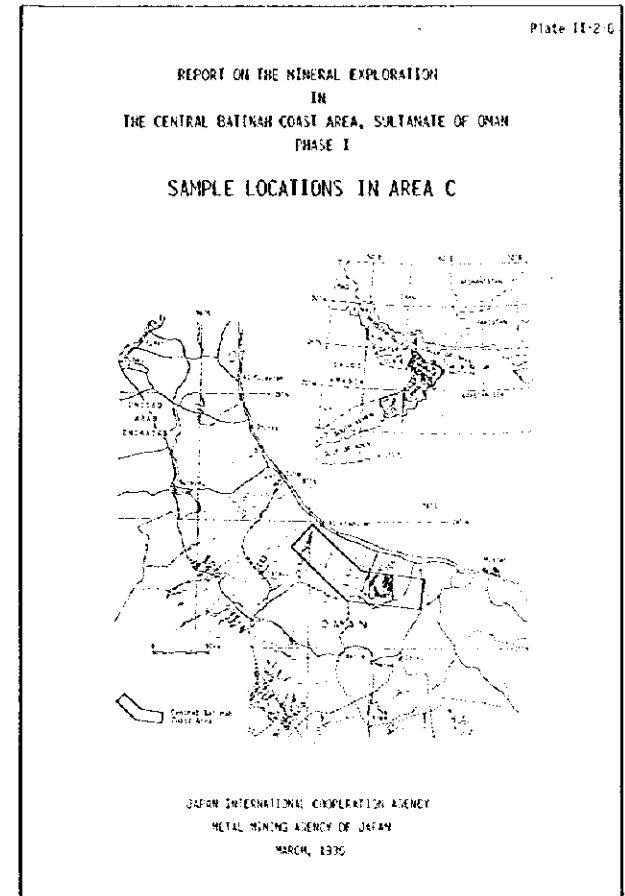
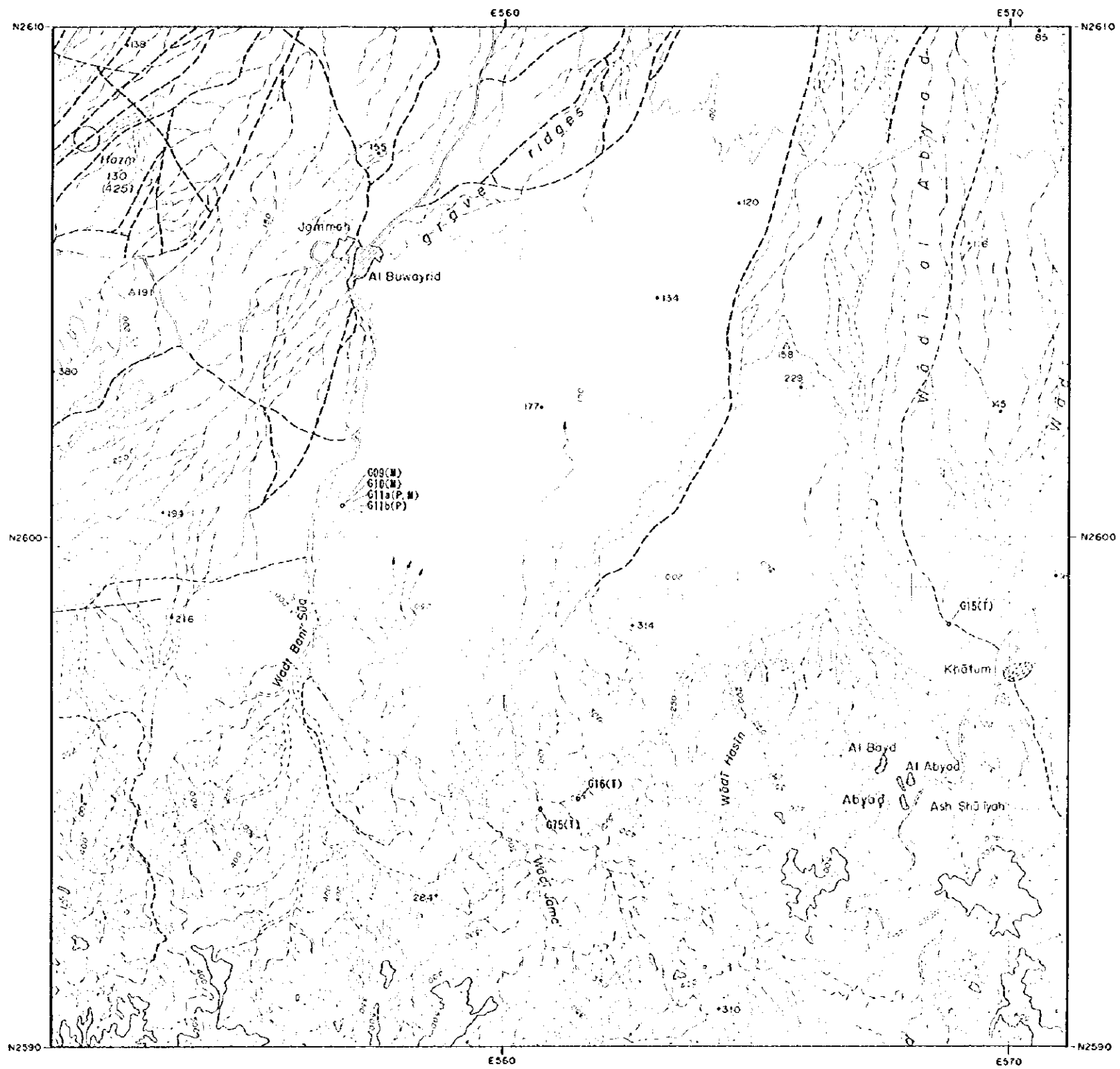


- L E G E N D
- o Sample location
 - T Thin section
 - P Polished section
 - M Chemical analysis
 - X X-ray diffraction analysis



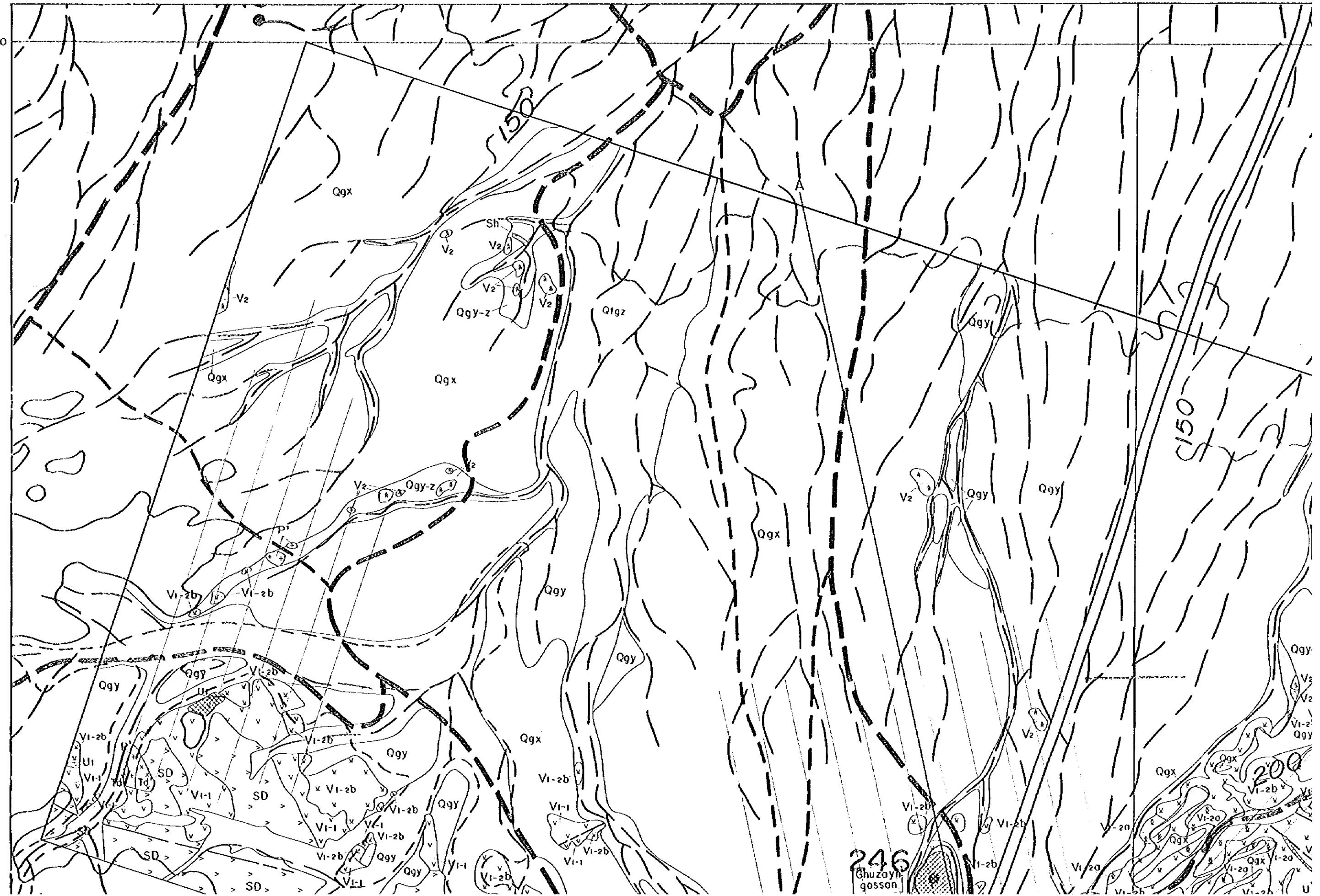


- L E G E N D
- o Sample location
 - T Thin section
 - P Polished section
 - M Chemical analysis
 - X X-ray diffraction analysis



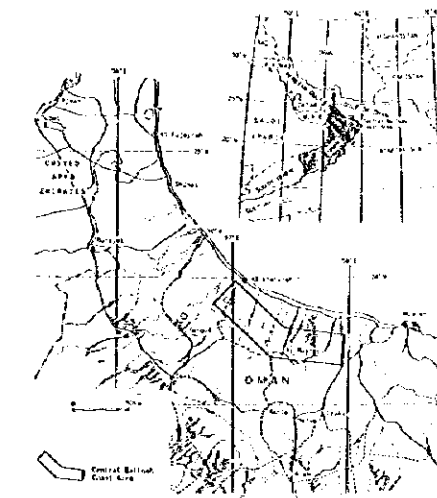
L E G E N D

- Sample location
- f : Thin section
- P : Polished section
- M : Chemical analysis
- X : X-ray diffraction analysis



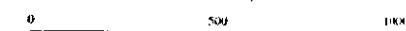
REPORT ON THE MINERAL EXPLORATION
IN
THE CENTRAL BATINAN COAST AREA, SULTANATE OF OMAN
PHASE I

GEOLOGIC MAP OF GHUZAYN AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 1996

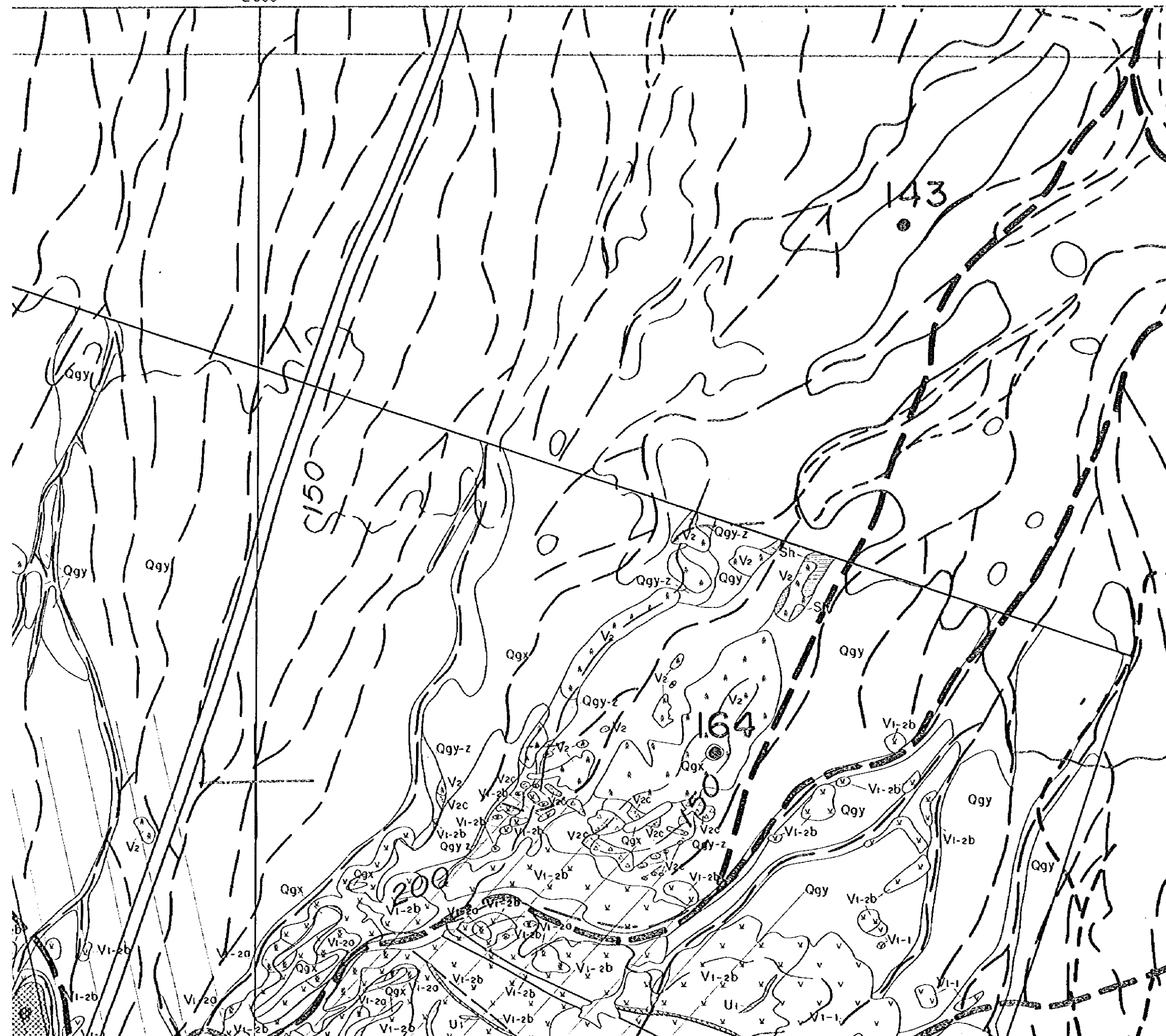
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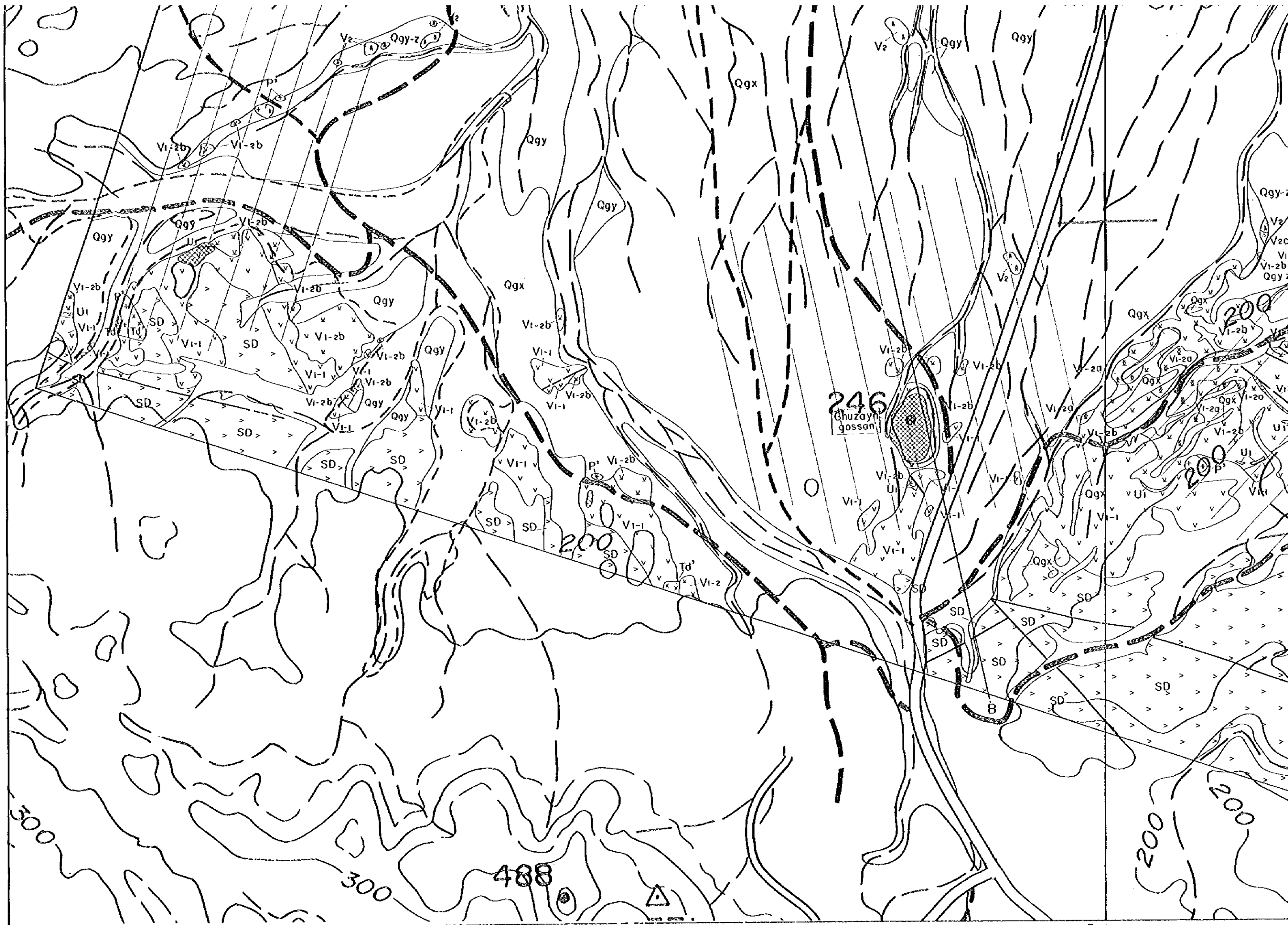


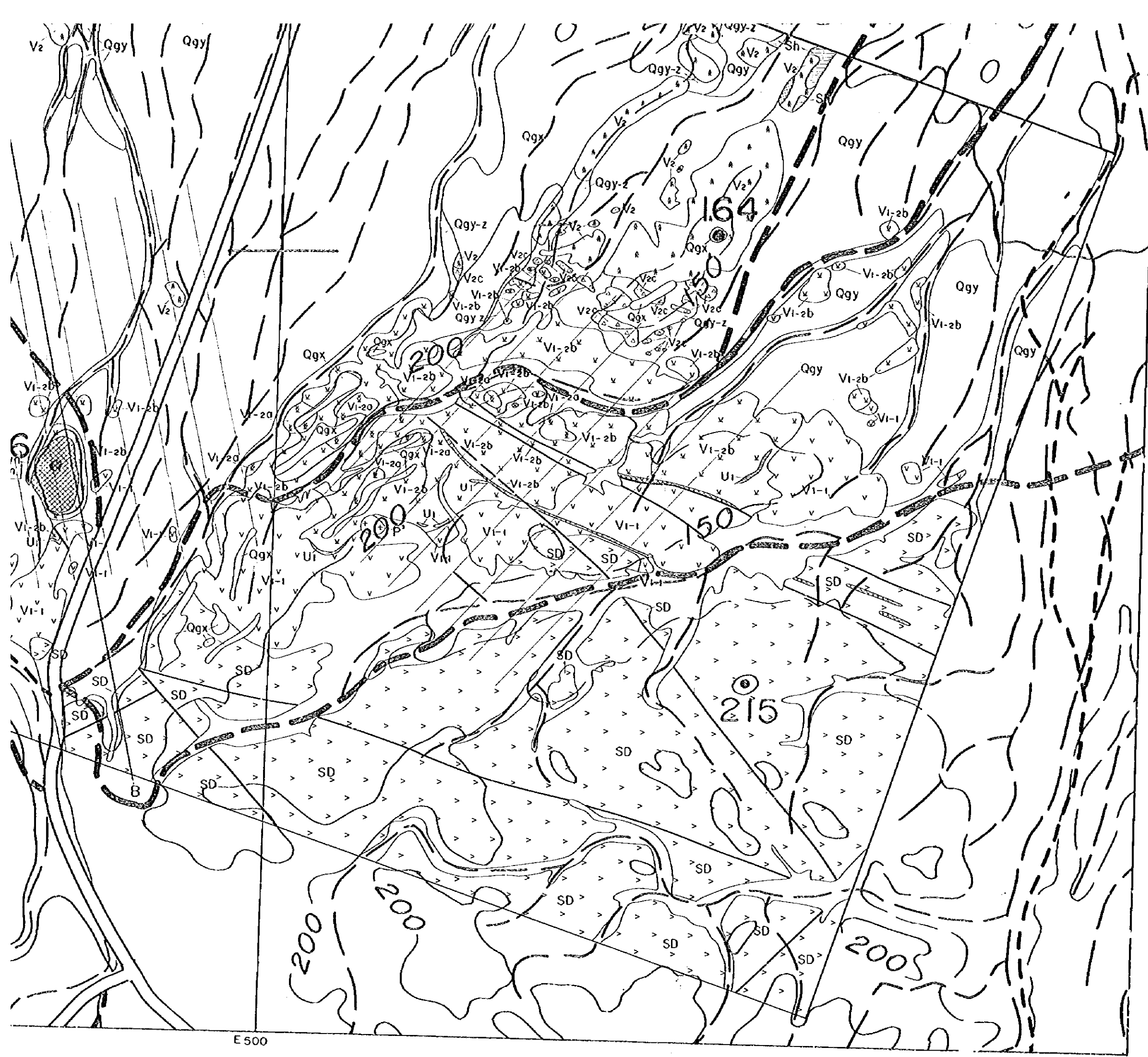
LEGEND

- Recent alluvial fans and alluvium
- Active or sub-recent alluvial fans, terraces
- Sub-recent alluvial fans, terraces
- Ancient alluvial fans, terraces
- Red radiolarian cherty slate
- Other extrusives (basaltic to andesitic pillow lava and massive lava with talus) (V₁, V₂, V₃)
- Volcanic conglomerate or breccia, rounded rocks composed of SD, V₁, V₂, V₃ and so on
- Silt or metalliciferous sediments with radiolarian chert
- Lower extrusives (andesitic pillow lava with small pillow lava and radial joints) (V_{1a}, V_{1b})
- Lower extrusives (basaltic pillow lava with small pillow lava and massive lava) (V_{2a}, V_{2b})
- Lower extrusives (basaltic pillow lava composed of big size pillow lava) (V_{3a}, V_{3b})
- Sheeted dyke (doleritic and basaltic dyke) (SD)
- Trachyte or quartz diorite (Tr)
- Phyllite, trachyte, plagioclase bearing schist, and olivine bearing gneissite (P)

- COARSE GRAINED SHEETS
 - Big granitoid mineral sheets
 - Quartz vein and network
- STRUCTURAL FEATURES
 - Strike and dip of bedding
 - Strike and dip of dikes and sills







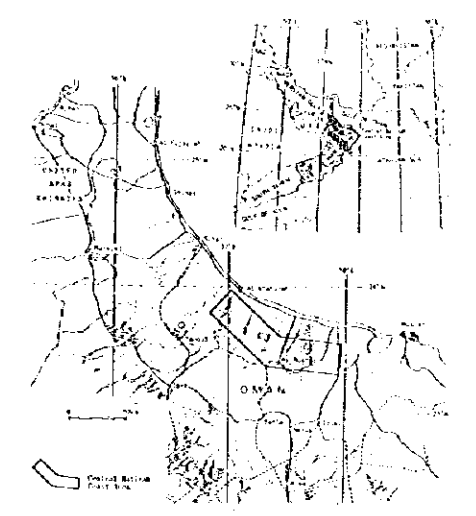
LEGEND

- POST-MORPHOGENIC UNIT
 ALL TERRACES
 OUTWASH
- RECENT ALLUVIAL FANS AND ALLUVIUM
- ACTIVE OR SUB-RECENT SLOPE DEPOSITS, SCREE
- SUB-RECENT ALLUVIAL FANS, TERRACES
- RECENT ALLUVIAL FANS, TERRACES
- RED RADIOLARIAN CHERTY SHALE
- UPPER EXTRUSIVES: BASALTIC TO ANESITIC PILLOW LAVA AND MASSIVE LAVA WITH TEO PYROCLASTIC
- VOLCANIC CONGLOMERATE OR BRECCIA, SCORCHED ROCKS COMPOSED OF SD, V2, V1, AND SO ON
- LOWER OR METAFELSIC SEDIMENTS WITH RADIOLARIAN CHERT
- LOWER EXTRUSIVES 2: ANESITIC PILLOW LAVA WITH SMALL PILLOW LAVA AND RADIAL JOINTS
- LOWER EXTRUSIVES 2: BASALTIC PILLOW LAVA WITH SMALL PILLOW LAVA AND MASSIVE LAVA
- LOWER EXTRUSIVES 1: BASALTIC PILLOW LAVA COMPOSED OF BIG SIZE PILLOW LAVA
- SHEETED DIKE: ANDERITIC AND BASALTIC DIKE
- TRONDHJEMITE OR QUARTZ DIORITE
- MELTITE, CROCOITITE, PLAGIOCLASE BEARING DIORITE, AND OLIVINE BEARING PYROXENE
- ECONOMIC GEOLOGY SYMBOLS
- Big granitoid mineral showing
- Quartz vein and network
- STRUCTURAL FEATURES
- Strike and dip of bedding
- Strike and dip of dikes and sills
- Fault, dashed if line inferred or concealed
- Other Symbols
- IP survey lines



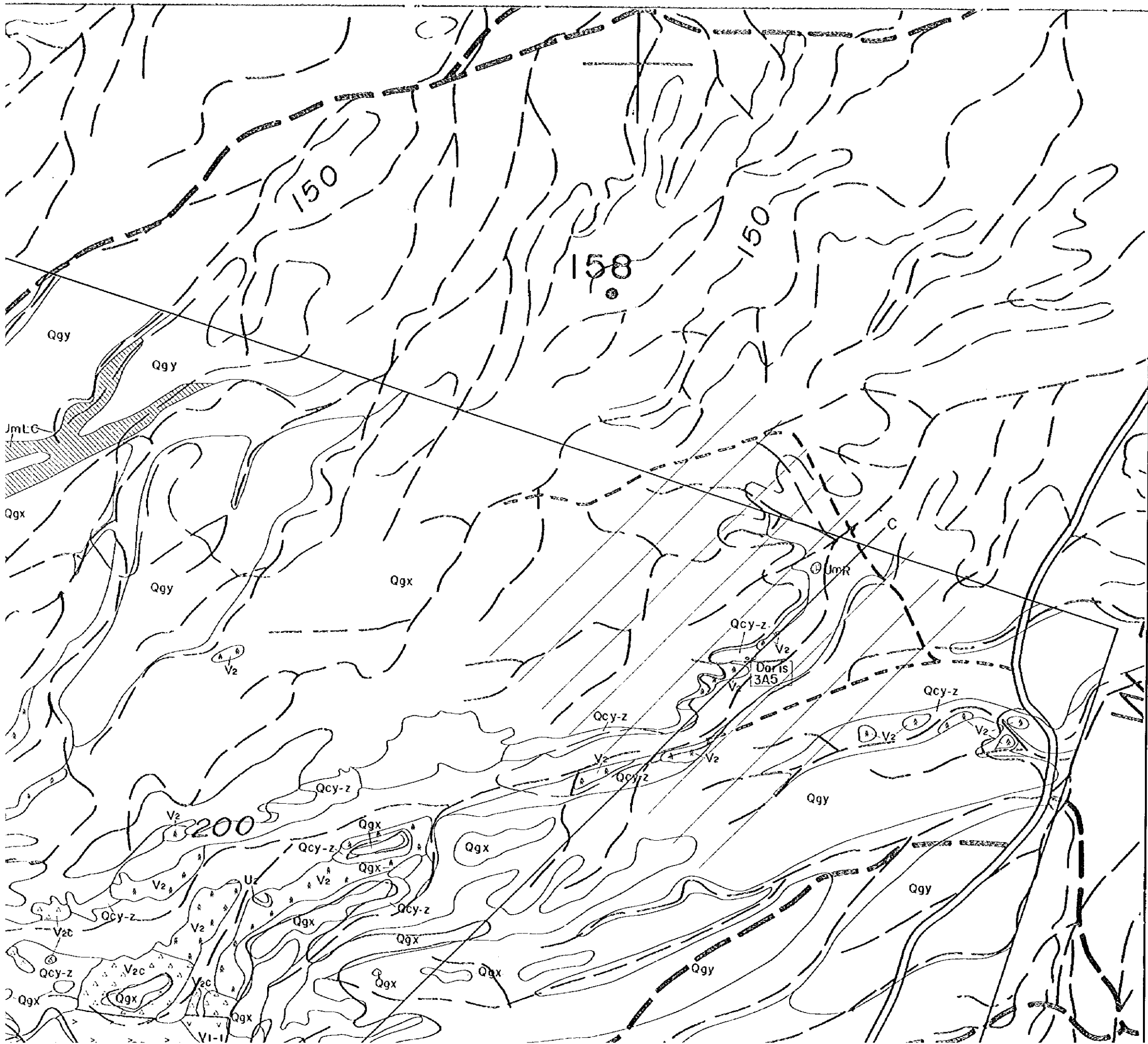
REPORT ON THE MINERAL EXPLORATION
IN
THE CENTRAL BATINAH COAST AREA, SULTANATE OF OMAN
PHASE I

GEOLOGIC MAP OF BUNAYRIK-
DARIS 3A5 AREA



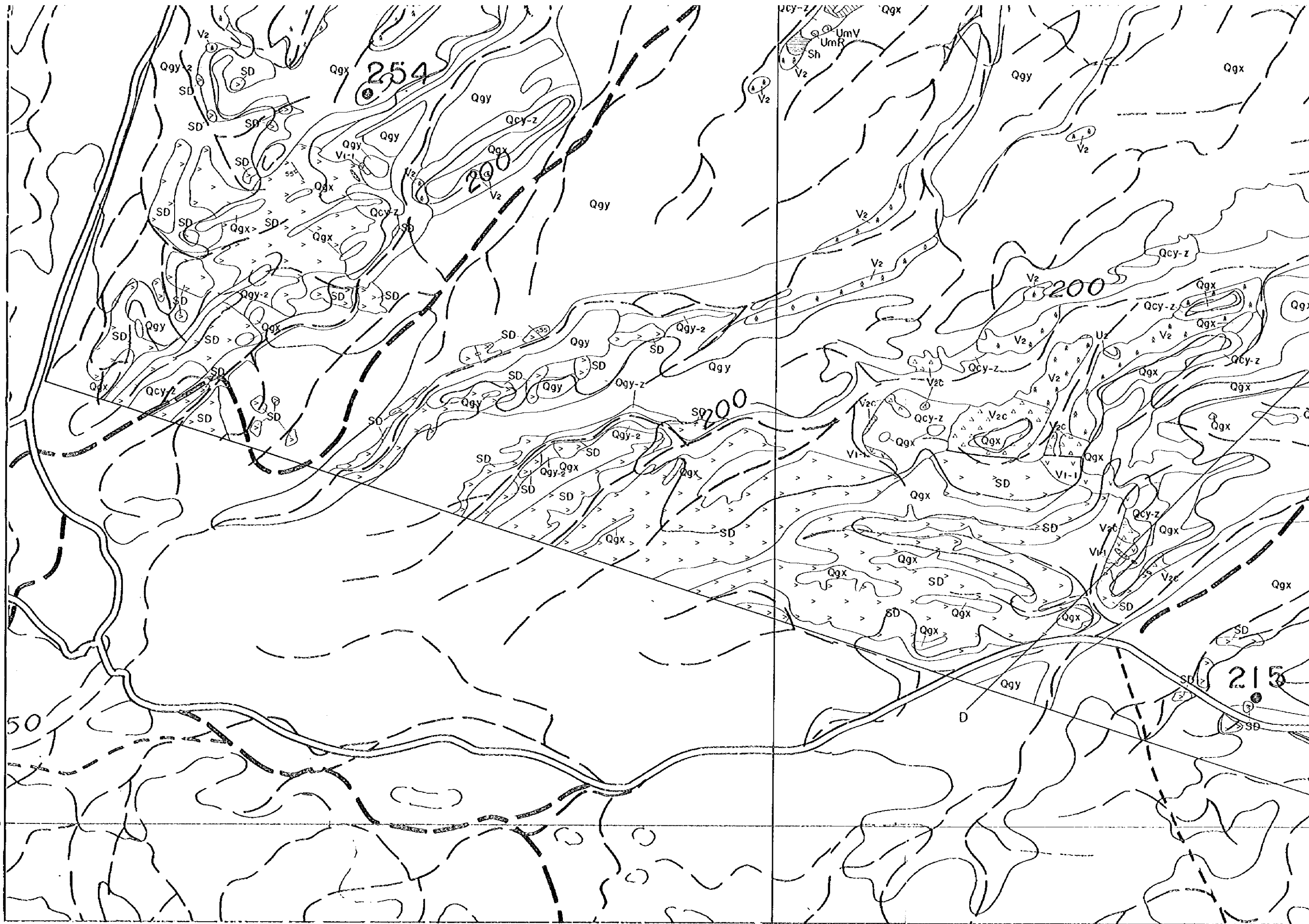
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 2006

Scale 1 : 10,000



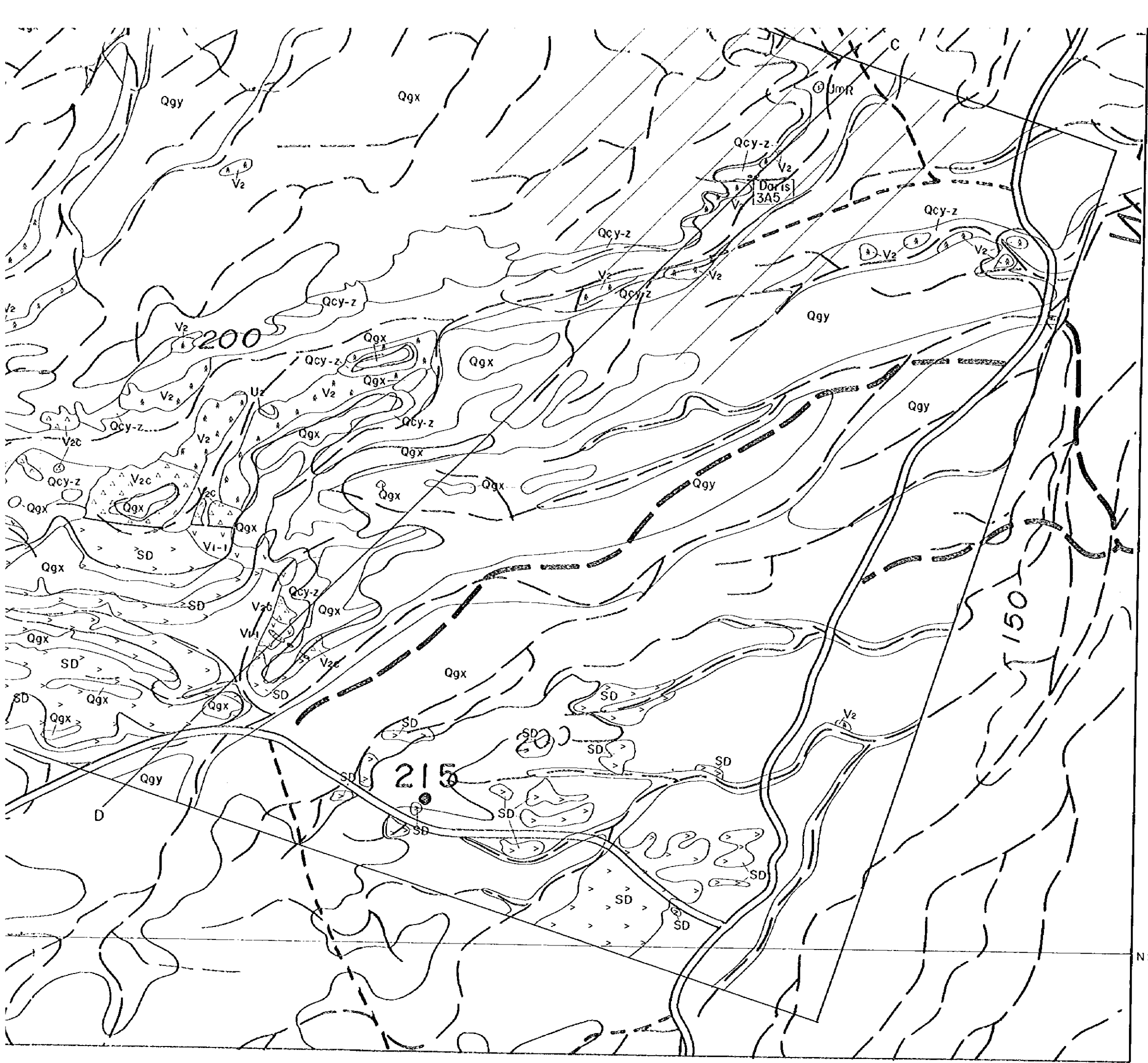
LEGEND

POST-TERTIARY AUTOCORROSIVE UNIT LATE TERTIARY UNTERMINY	Qgy	Recent alluvial fans and alluvium
	Qgy 2	Active or SA Recent slope deposits, silt
	Qgy	SA Recent alluvial fans terraces
	Qgy	Ancient alluvial fans terraces
SUPRACRETACEOUS SEDIMENTARY (BATINAH OLIGOSTRONGES)	UHC	Fine to bifoliate micritic limestone chert, chert nodules
	UR	Disconformity of reef limestone
	UV	Undifferentiated Triassic volcanic rocks
	AV2	Red siltstone, siltstone and sandstone
METAMORPHIC SHEET	U	Shaykh Formation Red radiolarian cherty shale
	U2	Inter or meta-iferous sediments with radiolarian chert
	V2	Upper extrusives basaltic to andesitic pillow lava and trachyte lava with basaltic
	V2c	Volcanic conglomerate or breccia (radiolarian nodules composed of 50% V2, V2c, and so on)
	V2	Lower extrusives basaltic pillow lava composed of big size pillow lava
	V2	Dioritic dike, andesitic and basaltic dike
U2C	Metasandstone	
TECTONIC OR OTHER SYMBOLS		Big organized mineral showing
		Quartz vein and network
STRUCTURAL FEATURES		Strike and dip of bedding
		Strike and dip of dikes and sills



N2610

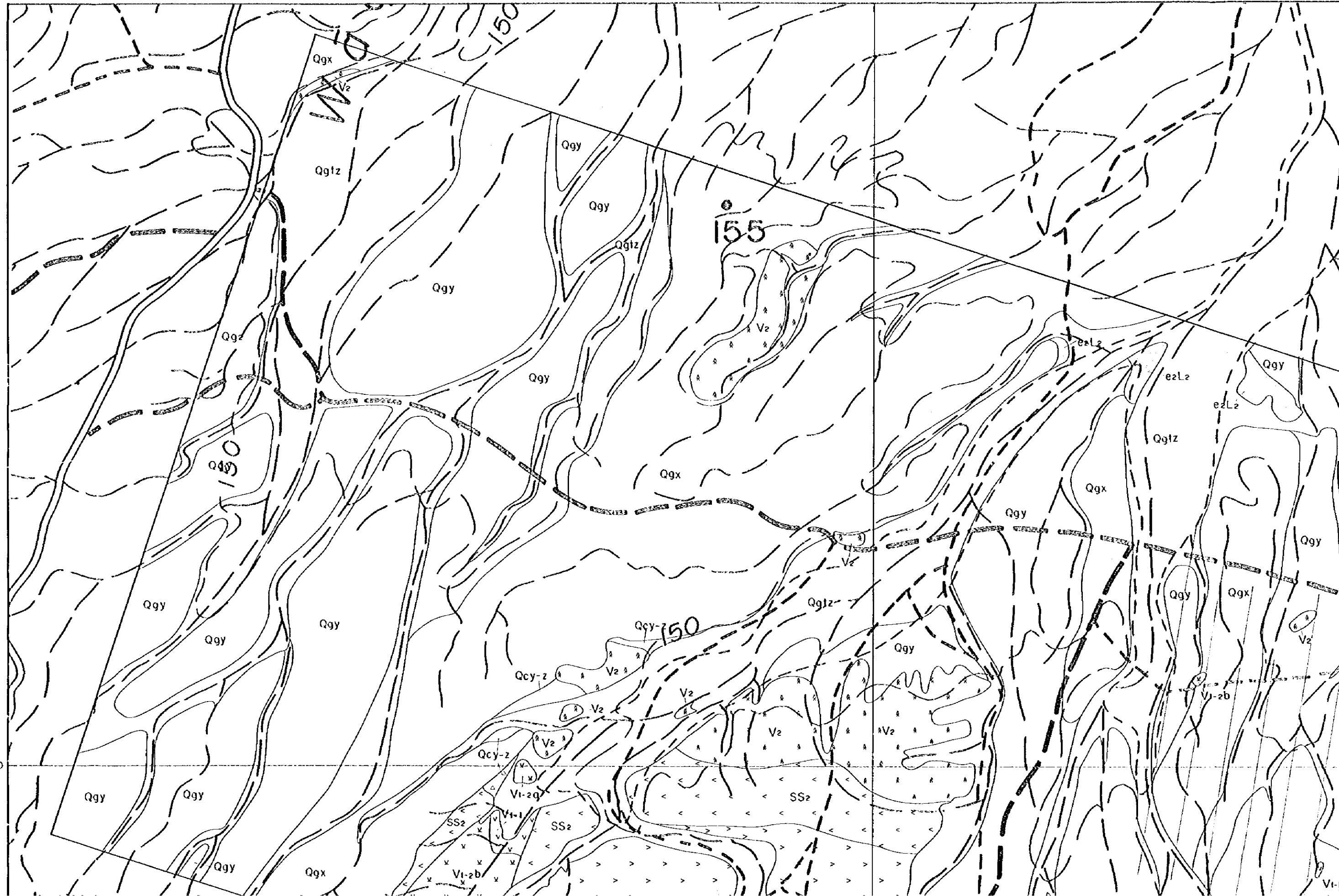
E 530



LEGEND

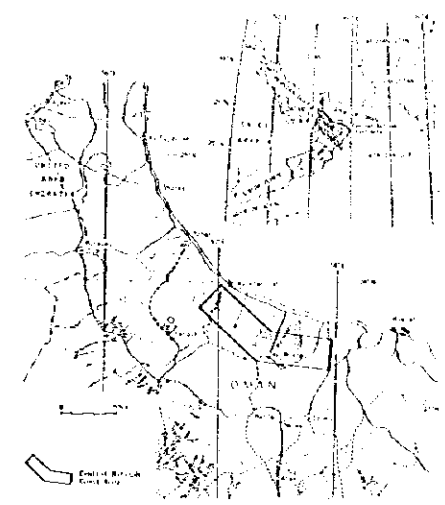
POST-MORBIC AUTOCORRECTED UNIT	
Qgy	Recent alluvial fans and alluvium
Qyz	Alluvial or sub Recent stage deposits, scree
Qy	Sub-Recent alluvial fans terraces
Qg	Ancient alluvial fans terraces
METAMORPHIC SHEET	
JANVAL MARE (OPHIOIDIC)	
U1C	Fine to filiclastic micritic limestone chert, chert nodules
U1R	Olivostellite of reef limestone
U1V	U Differentiated Triassic volcanic rocks
U1M	Radiolarian chert, siltstone and sandstone
METAMORPHIC SHEET	
JANVAL MARE (OPHIOIDIC)	
Sh	Shayah Formation Red radiolarian cherty shale
D	Dol or metalliferous sediments with radiolarian chert
V2	Upper extrusives basaltic to andesitic pillow lava and massive lava with tea pyroclastic
V2c	Volcanic conglomerate or breccia, reworked rocks composed of SD, V2, V2c and so on
V2b	Lower extrusives basaltic pillow lava composed of big size pillow lava
SD	Sheeted dike dioritic and basaltic dike
SD	Mafic dikes
ECONOMIC GEOLOGY SYMBOLS	
[Symbol]	Big garnetized mineral showing
[Symbol]	Quartz vein and network
STRUCTURAL FEATURES	
[Symbol]	Strike and dip of bedding
[Symbol]	Strike and dip of dykes and sills
[Symbol]	Fault dashed where inferred or concealed
Other Symbols	
[Symbol]	IP survey lines

N2610



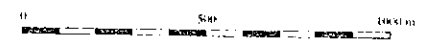
REPORT ON THE MINERAL EXPLORATION
IN
THE CENTRAL BATENAH COAST AREA, SULTANATE OF OMAN
PHASE I

GEOLOGIC MAP OF DARTS-
DARIS WEST AREA



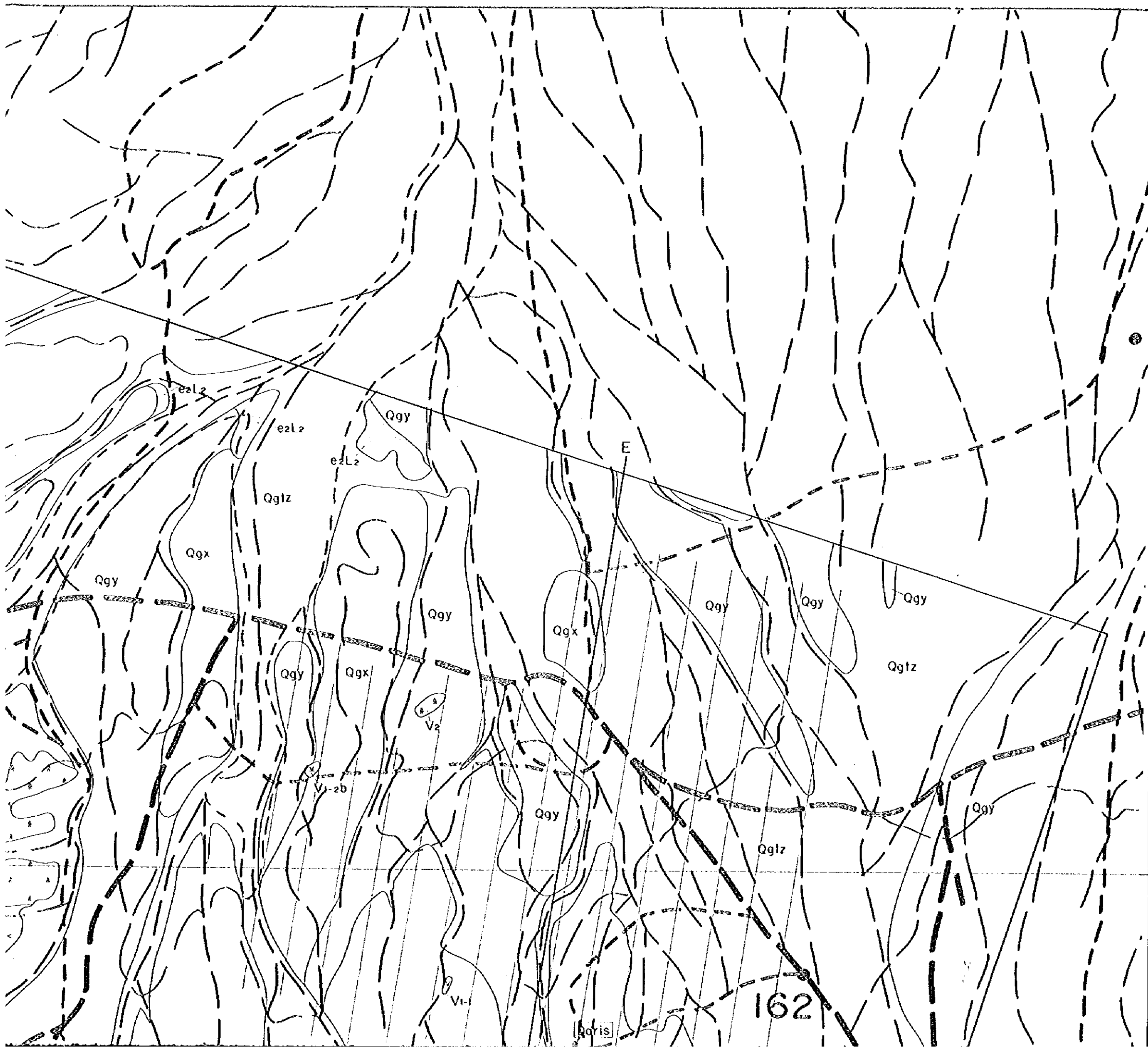
JAPAN INTERNATIONAL COOPERATION AGENCY
NATURAL RESOURCE AGENCY OF JAPAN
MARCH, 1976

Scale 1 : 10,000



LEGEND

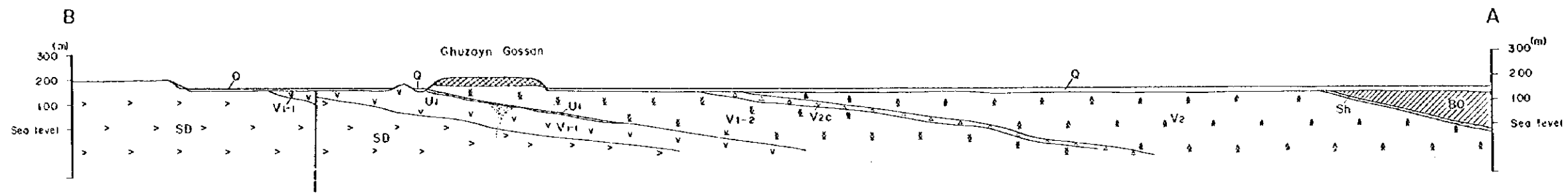
POST-TERTIARY QUATERNARY UNITS	Qgy	Recent alluvial fans and alluvium
QUATERNARY	Qg2	Alluvial or old Recent slope deposits scree
QUATERNARY	Qg1	Old Recent alluvial fans terraces
QUATERNARY	Qg	Recent alluvial fans terraces
QUATERNARY	Qg3	Fine to lithoclastic micaceous fine sandstone with thin nodules
QUATERNARY	Qg	Red radiolarian cherty shale
QUATERNARY	Qg4	Upper extrusives basaltic to andesitic pillow lava and massive lava with thin pyrozone
QUATERNARY	SS	Bedded silt, sandstone to detritic concretion - capped
QUATERNARY	Sl	Shale or meta-siltstone sandstone with radiolarian chert
QUATERNARY	Qg5a	Lower extrusives 2 basaltic pillow lava with small pillow lava and massive lava
QUATERNARY	Qg5b	Lower extrusives 1 basaltic pillow lava composed of big size pillow lava
QUATERNARY	DR	Bedded dike & intrusive and basaltic dike
QUATERNARY	Td	Tuffaceous or quartz diorite
QUATERNARY	P	White to brownish plagioclase bearing diorite and andesite bearing gneissite
ECONOMIC MINERAL DEPOSITS		Big sized mineral showing
STRUCTURAL FEATURE		Strike and dip of bedding
STRUCTURAL FEATURE		Strike and dip of dikes and sills
STRUCTURAL FEATURE		Fault dashed where inferred or concealed
Other symbols		



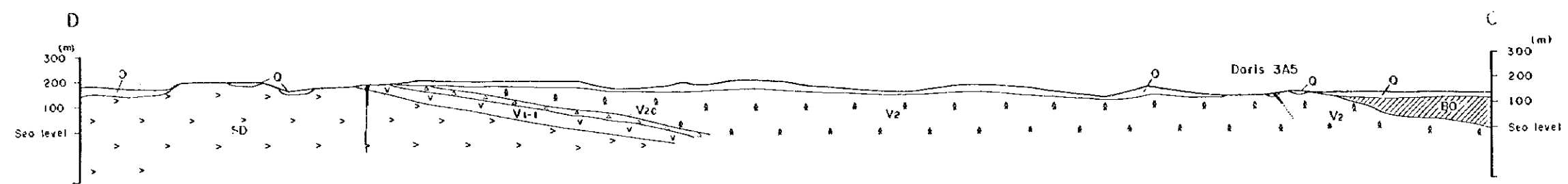


JAPAN INTERNATIONAL
METAL MINING AND
MARCON

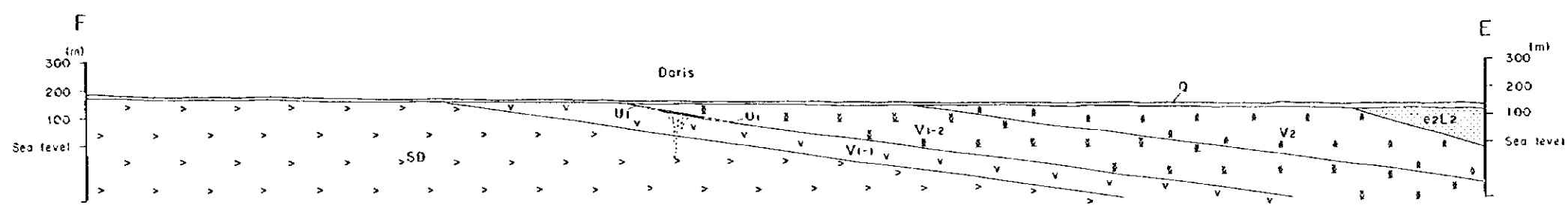
Scale 1



Geologic Profile of Ghuzayn Area



Geologic Profile of Buwayrik - Daris 3A5 Area

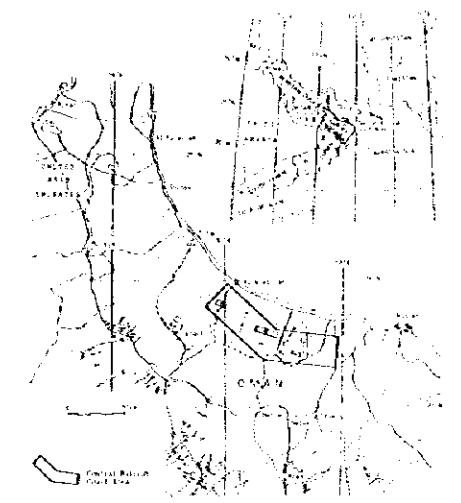


Geologic Profile of Daris - Daris West Area

- LEGEND**
- POST NAIFE AUTODIAGENESIS
QUATERNARY
[Symbol] Quaternary
 - TERTIARY
[Symbol] Finely lith.
 - SAHAL NAIFE (OPHIOLITE)
SUPRA OPHIOLITE SEDIMENTS - BATINAH OL.
[Symbol] Olistoliths
 - SAHAL VOLCANIC ROCKS
MIDDLE VOLCANIC ROCKS
[Symbol] Subayyah Fc
[Symbol] Middle extr.
[Symbol] Volcanic con.
 - LOWER VOLCANIC ROCKS
[Symbol] Upper or me.
[Symbol] Lower extr.
[Symbol] Lower extr.
 - SHEETED DYKE COMPLEX
[Symbol] Sheeted dyk.
 - ECONOMIC GEOLOGY SYMBOLS
[Symbol] Big gossan.
[Symbol] Quartz vein
 - STRUCTURAL FEATURE
[Symbol] Fault date

REPORT ON THE MINERAL EXPLORATION
IN
THE CENTRAL BATINAH COAST AREA, SULTANATE OF OMAN
PHASE I

GEOLOGIC PROFILES OF GHUZAYN AREA,
BUWAYRIK-DARIS 3A5 AND DARIS-DARIS WEST AREAS

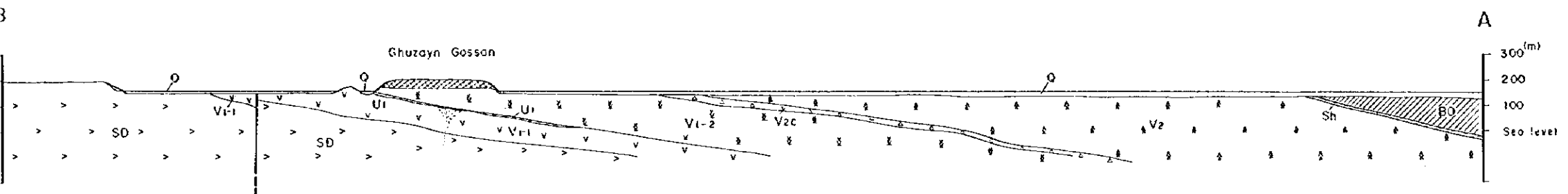


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH, 1976

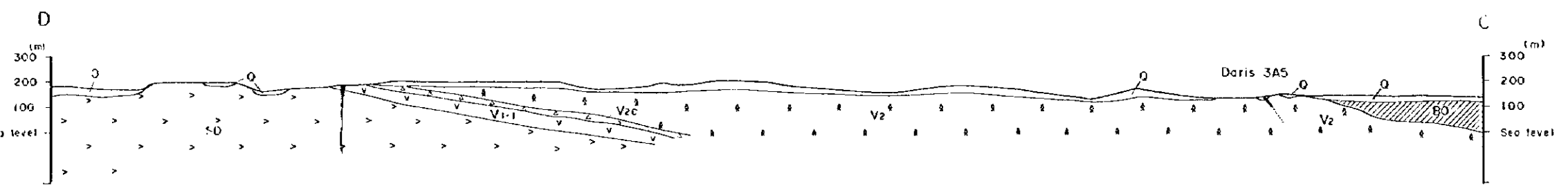
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0 500 1000m

LEGEND

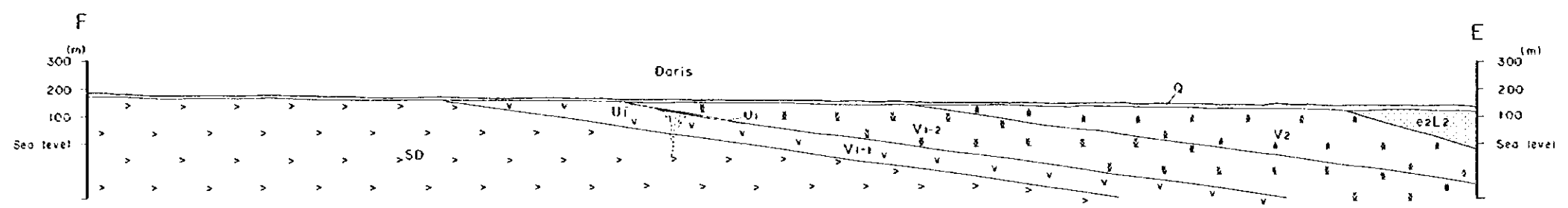
- POST-TERTIARY AUTOCHTHONOUS
QUATERNARY
Q Quaternary deposits
- TERTIARY
e2L2 Finely lithoelastic micritic limestone, chert, chert nodules
- SMALL NAPPE (OPHIOLITE)
SUPRA-OPHIOLITE SEDIMENTS (BATINAH OLISTOSTROME)
BO Olistostroths of Batinah Group and Dar' Ghore
- SMALL VOLCANIC ROCKS
MIDDLE VOLCANIC ROCKS
Sh Sabaylah Formation, red radiolarian cherty shale
V2 Middle extrusives basaltic to andesitic pillow lava and massive lava with two pyroxene
V2c Volcanic conglomerate or breccia, rounded rocks composed of SD, V1, and V2
- LOWER VOLCANIC ROCKS
U1 Older of metaliferous sediments with radiolarian chert
V1-2 Lower extrusives 2 basaltic pillow lava with small pillow lava and massive lava
V1-1 Lower extrusives 1 basaltic pillow lava composed of big size pillow lava
- SHEETED DYKE COMPLEX
SD Sheeted dyke, dioritic and basaltic dyke
- ECONOMIC GEOLOGY SYMBOLS
Big grossular mineral showing
Quartz vein and stockwork
- STRUCTURAL FEATURE
Fault, dashed where inferred or concealed



Geologic Profile of Ghuzayn Area



Geologic Profile of Buwayrik - Daris 3A5 Area



Geologic Profile of Daris - Daris West Area

JICA