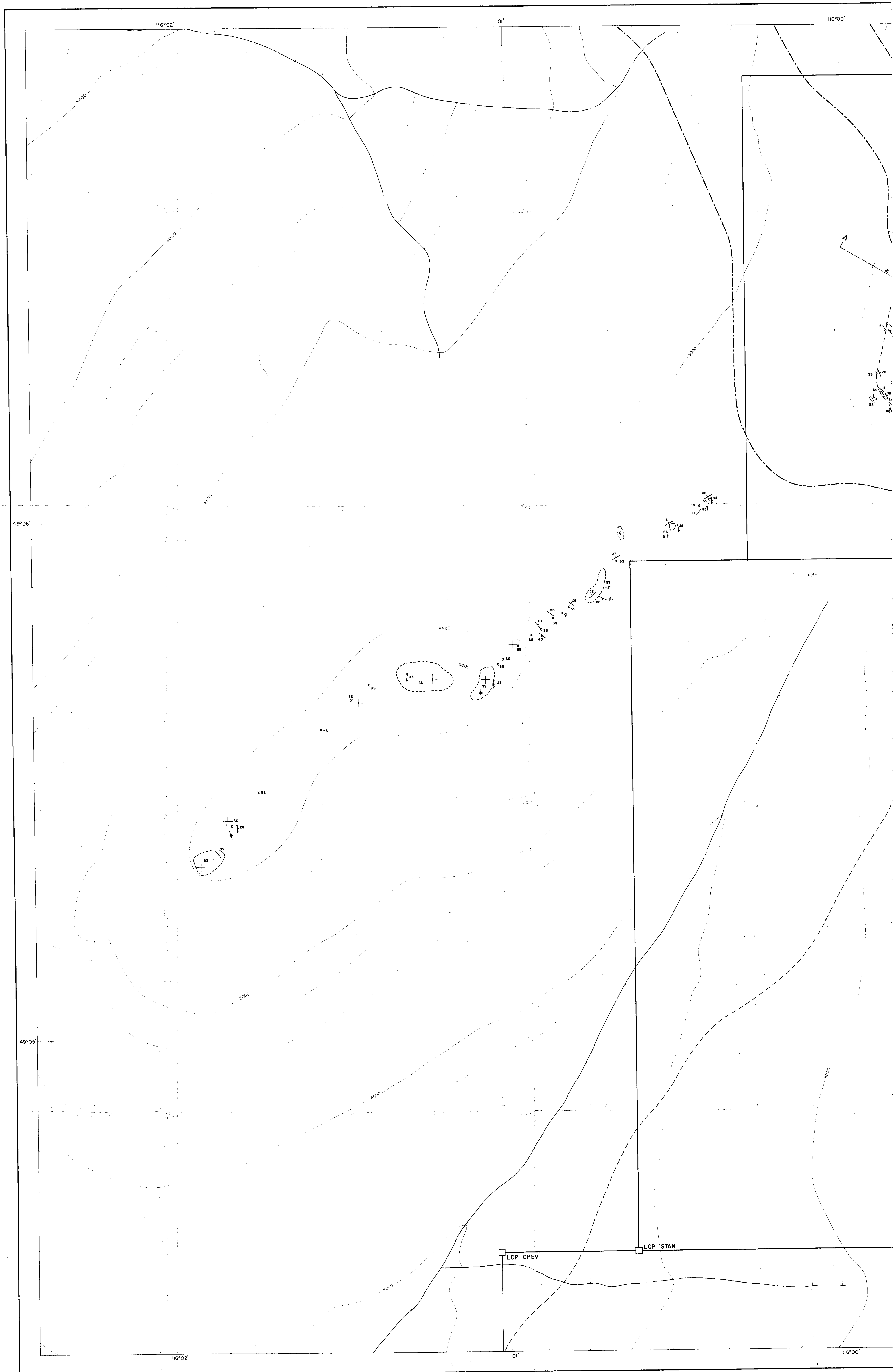
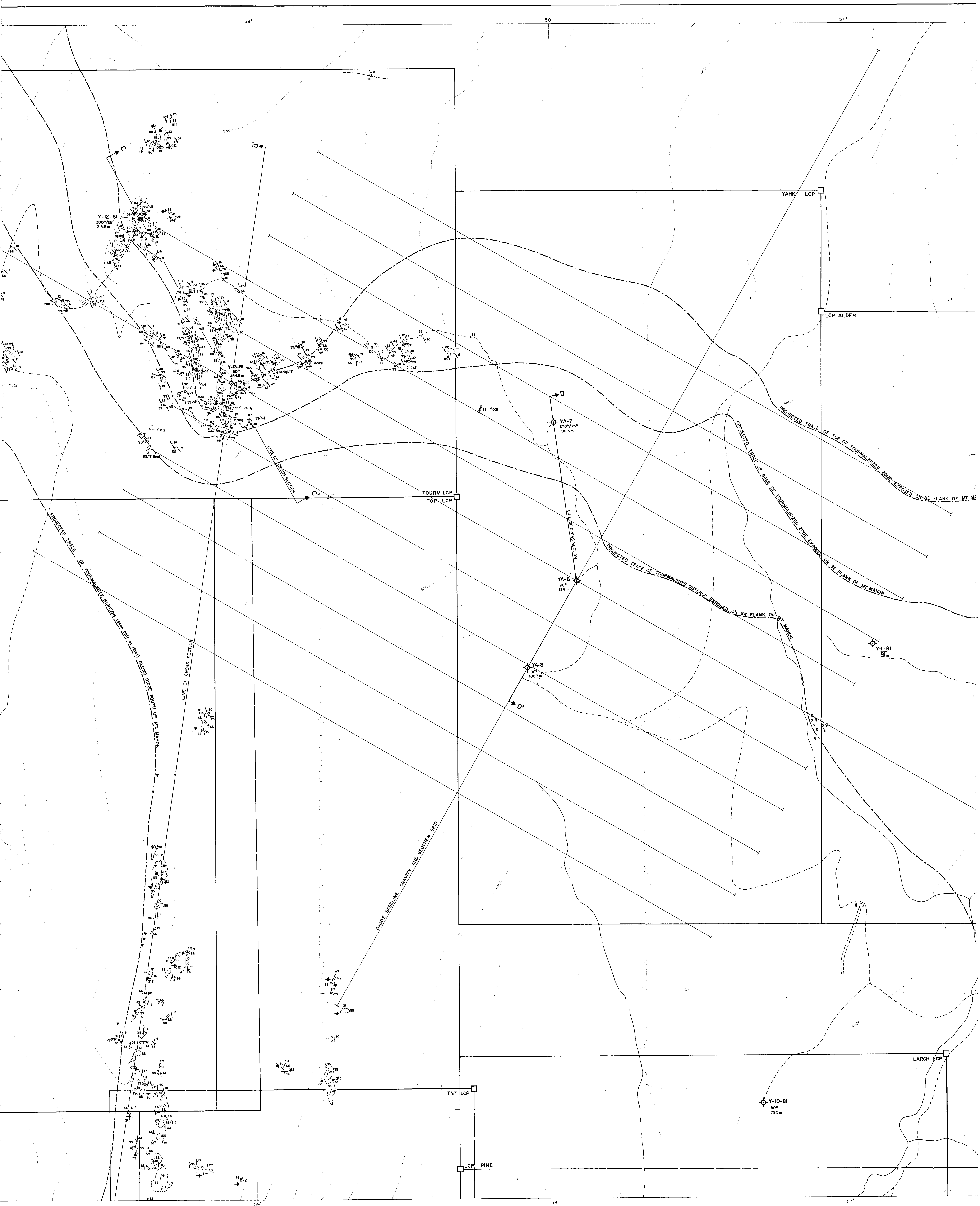
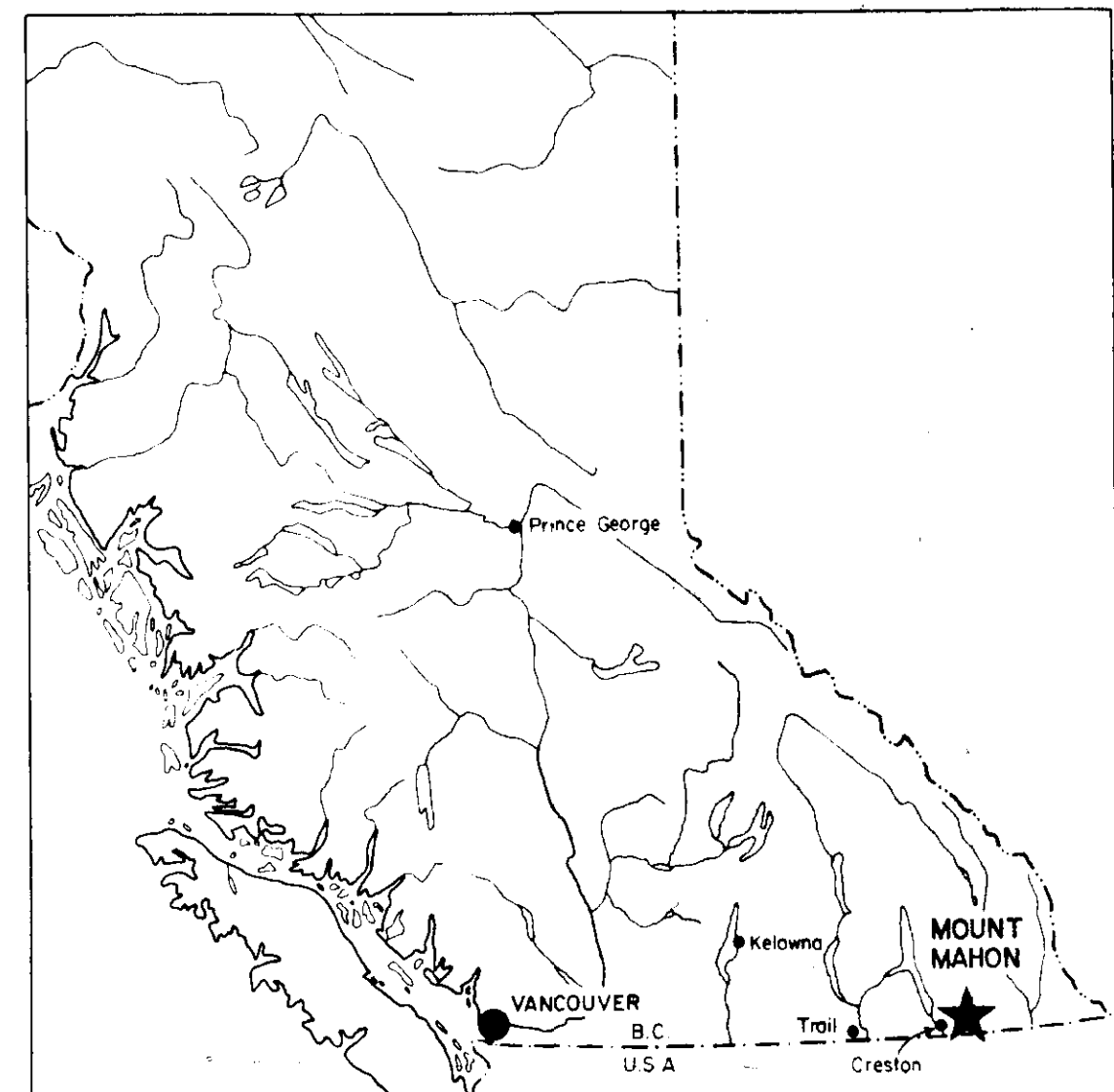
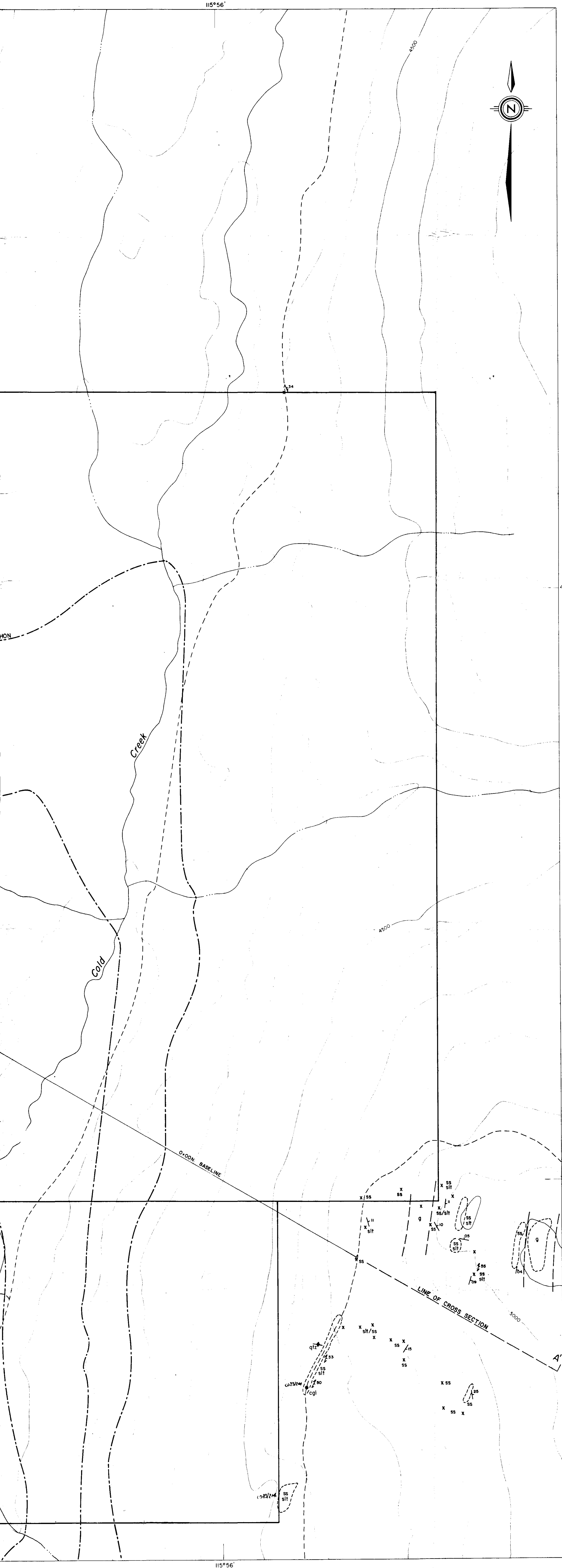








LEGEND

MOYIE INTRUSIONS

GABBRO AND DIORITE

dark grey to green-grey, medium to coarse grained

ALDRIDGE FORMATION

SANDSTONE

light grey weathering, light to medium grey, fine to very fine grained, occasionally argillaceous. Beds generally 10 to 70cm thick; sedimentary structures include graded bedding; also load casts, flame structures, and rare flute casts at base. Intervals of 1 to 10 cm thick laminated siltstone and/or dark grey argillite at top (AE, AB and ABC turbidites?). Occasional thin-bedded, cross-bedded, very fine grained sandstone alternating with ≤ 1 cm thick beds of dark grey argillite and/or tourmalinized argillite

SILTSTONE

rusty weathering, light to medium grey, finely laminated; also dark grey to rusty weathering, laminated; couplets of medium grey siltstone and dark grey carbonaceous and/or argillaceous siltstone

ARGILLITE

medium to dark grey. Typically as thin beds or laminae within argillite/siltstone couplets, or as relatively thin horizons at the tops of graded sandstone beds. Commonly tourmalinized in the vicinity of Mt. Mahon. Porphyroblasts of biotite and/or feldspar often present

CONGLOMERATE

typically consists of angular to subrounded flat fragments (up to 18 cm long) of dark grey argillite, tourmalinized argillite, and/or laminated siltstone/argillite within a fine to very fine grained sandstone matrix; conglomerate is intraformational

TOURMALINITE

black weathering, dark grey to black tourmalinized rock. Most commonly occurs as ≤ 2 cm thick layers of aphanitic 'cherty' rock, comprised of 40 to 60 % very fine, felted tourmaline crystals, which replaces argillite at the tops of graded sandstone beds, or in thinly bedded sandstone/tourmalinized argillite couplets. Similar tourmalinite occurs as fragments within intraformational conglomerate. Less commonly it occurs in thicker sandstone beds as very fine felted tourmaline between sand-sized quartz grains

- TOURMALINITE, float
- PYRRHOTITE, disseminated, ≤ 2 %
- Bedding (inclined, horizontal)
- Cleavage or Schistosity (inclined)
- Joints (inclined, vertical)
- Quartz Vein (parallel to joint set)
- Quartz Vein (inclined, vertical)
- Current Direction (from cross bedding)
- Current Trend (from ripple marks)
- Current Trend (from sole marks)
- Outcrop
- Claim Boundary and Legal Corner Post
- Diamond Drill Hole (inclination, total depth)
- Grid Line
- Road
- Topographic Contour (100 foot contour interval)
- Stream
- Line of Cross Section

GEOLOGICAL BRANCH ASSESSMENT REPORT

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metres



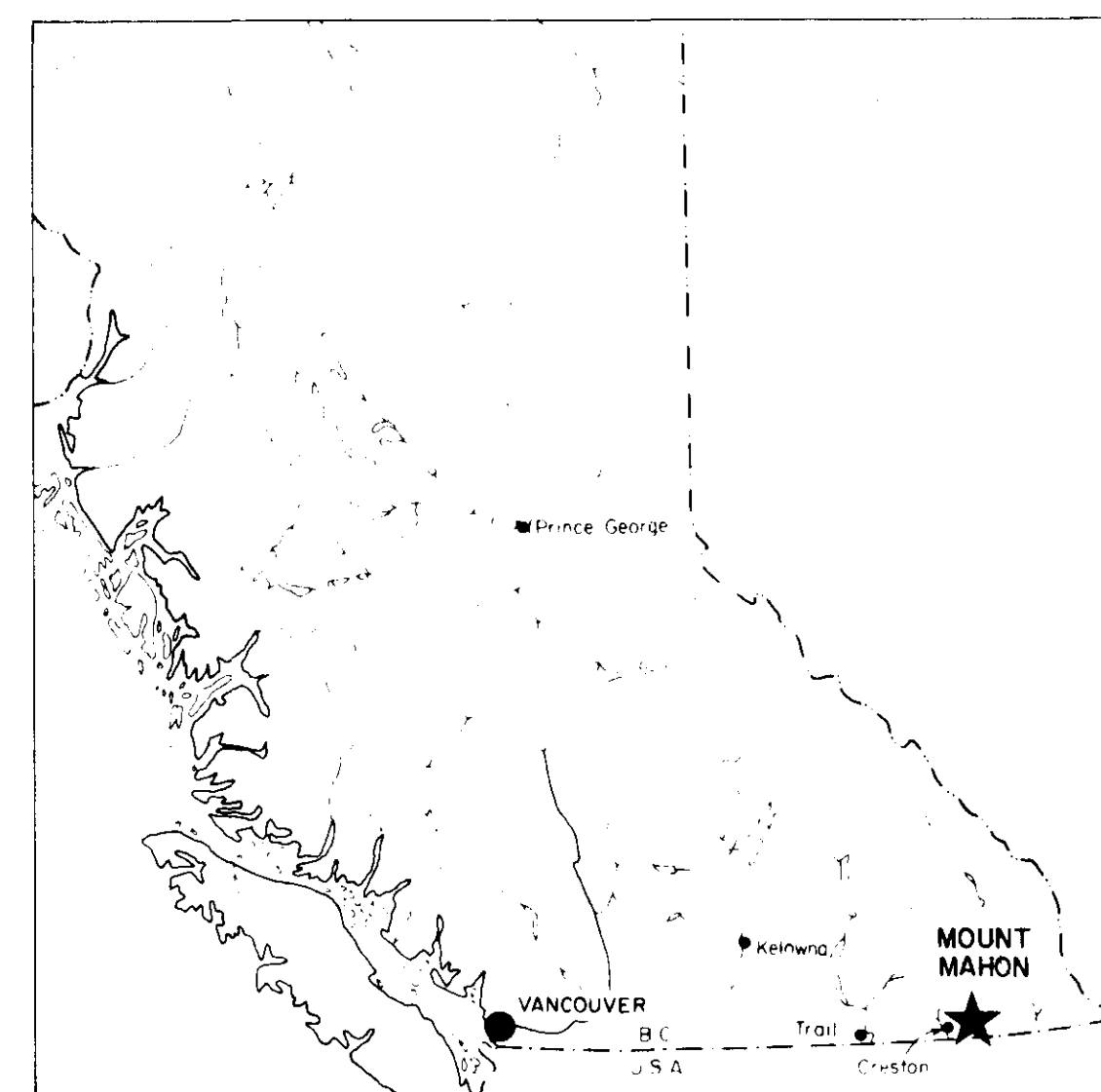
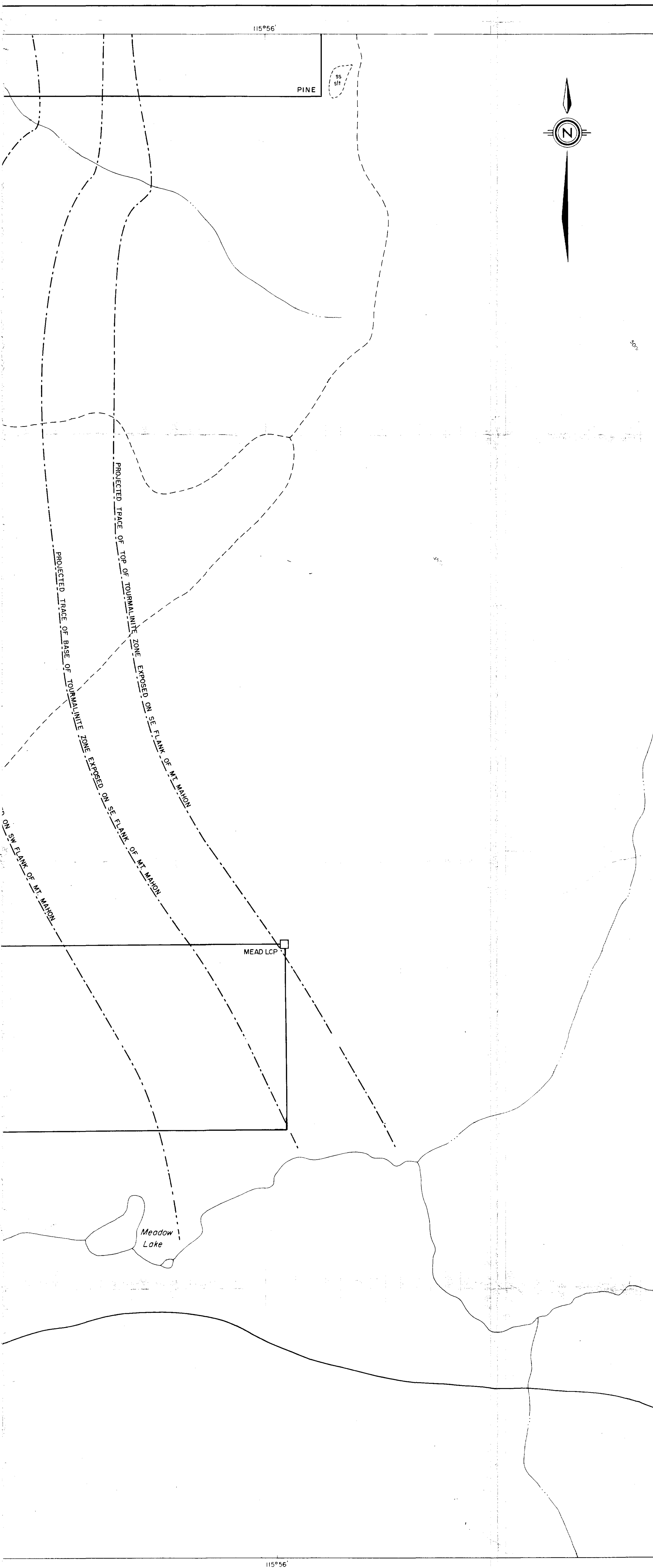
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Minerals Staff

MOUNT MAHON GEOLOGY (NORTH HALF)

FIGURE No. 4		PROJECT No. M525	
DATE 1983	REVISIONS		SCALE 1:5000
NTS No. 82G/4W		FILE No.	
COMPILED BY	L. DEKKER / P. SCHIAZZA		







LEGEND

MOYIE INTRUSIONS

GABBRO AND DIORITE

dark grey to green-grey, medium to coarse grained

ALDRIDGE FORMATION

SANDSTONE

light grey weathering, light to medium grey, fine to very fine grained, occasionally argillaceous. Beds generally 10 to 70 cm thick; sedimentary structures include graded bedding; also load casts, flame structures, and rare flute casts at base. Intervals of 1 to 10 cm thick laminated siltstone and/or dark grey argillite at top (AE, AB and ABE turbidites?). Occasional thin-bedded, cross-bedded very fine grained sandstone alternating with $\pm$ 1 cm thick beds of dark grey argillite and/or tourmalinized argillite

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medium to dark grey. Typically as thin beds or laminae within argillite/siltstone couplets, or as relatively thin horizons at the tops of graded sandstone beds. Commonly tourmalinized in the vicinity of Mt. Mahon. Porphyroblasts of biotite and/or feldspar often present

CONGLOMERATE

typically consists of angular to subrounded flat fragments (up to 18 cm long) of dark grey argillite, tourmalinized argillite, and/or laminated siltstone/argillite within a fine to very fine grained sandstone matrix; conglomerate is intraformational

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black weathering, dark grey to black tourmalinized rock. Most commonly occurs as $\pm$ 2 cm thick layers of aphanitic 'cherty' rock, comprised of 40 to 60 % very fine, felted tourmaline crystals, which replaces argillite at the tops of graded sandstone beds, or in thinly bedded sandstone/tourmalinized argillite couplets. Similar tourmalinite occurs as fragments within intraformational conglomerate. Less commonly it occurs in thicker sandstone beds as very fine felted tourmaline between sand-sized quartz grains

TOURMALINITE, float

PYRRHOTITE, disseminated, $\leq$ 2%

Bedding (inclined, horizontal)

Cleavage or Schistosity (inclined)

Joints (inclined, vertical)

Quartz Vein (parallel to joint set)

Quartz Vein (inclined, vertical)

Current Direction (from cross bedding)

Current Trend (from ripple marks)

Current Trend (from sole marks)

Outcrop

Claim Boundary and Legal Corner Post

Diamond Drill Hole (inclination, total depth)

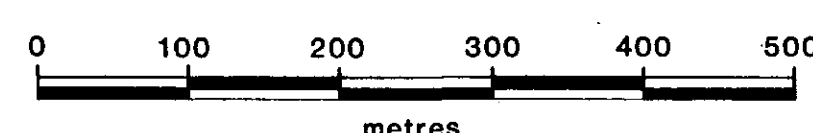
Grid Line

Road

Topographic Contour (100 foot contour interval)

Stream

Line of Cross Section



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Minerals Staff

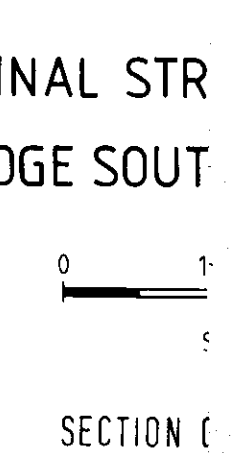
MOUNT MAHON GEOLOGY (SOUTH HALF)

FIGURE No 5		PROJECT No M525	
DATE 1983	REVISIONS	SCALE 1:5000	
NTS No 926/4W		FILE No	
COMPILED BY L. DEKKER / P. SCHARITZA			

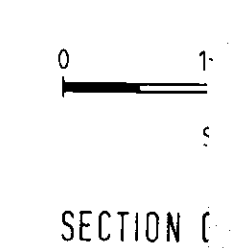
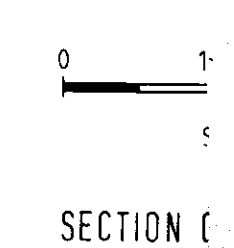
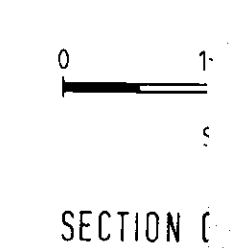
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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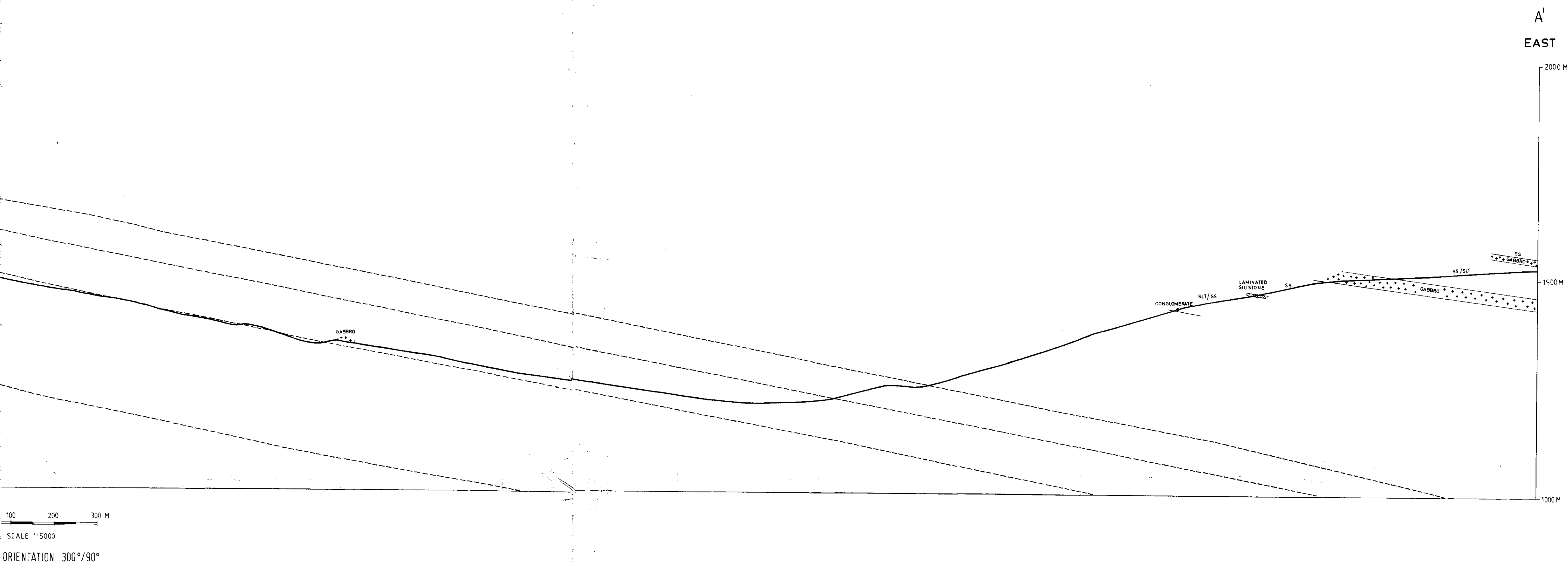
SECTION



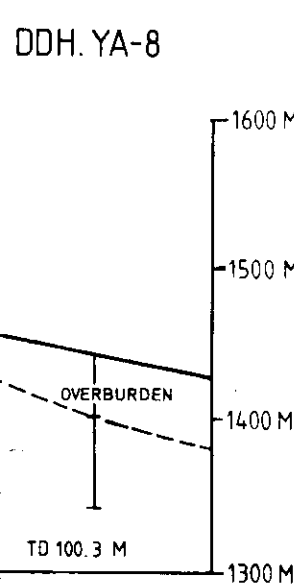
SECTION C



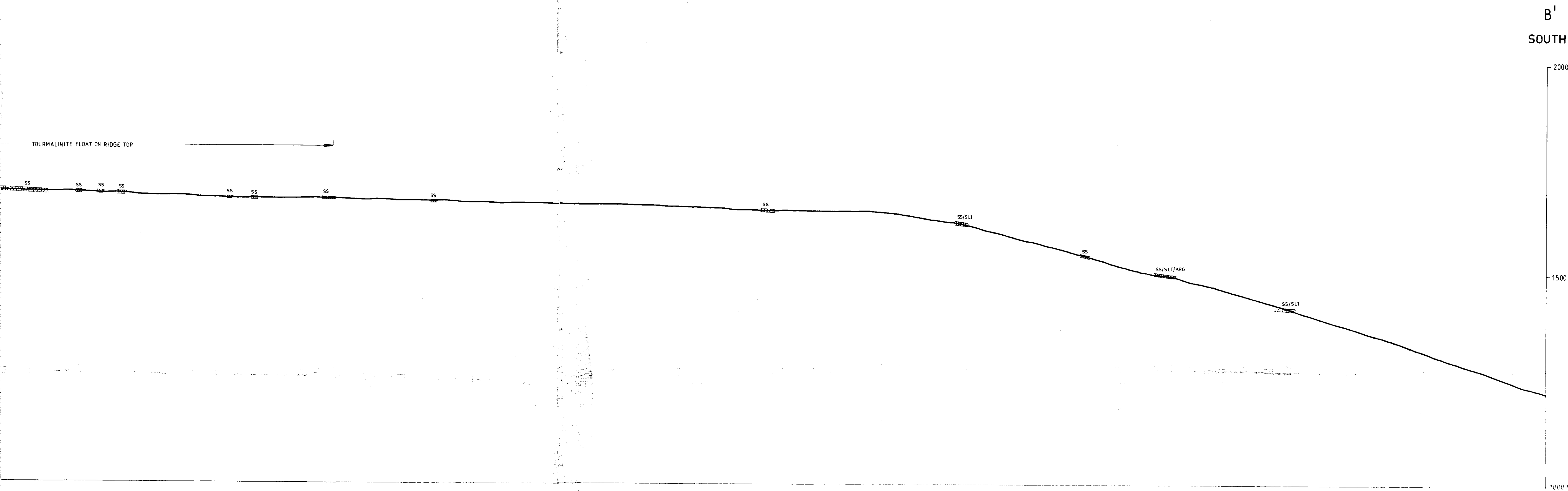
STRUCTURAL CROSS SECTION
0+00 N BASELINE



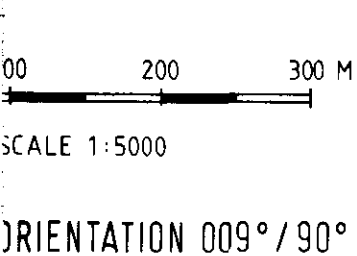
D'
SOUTH



B'
SOUTH



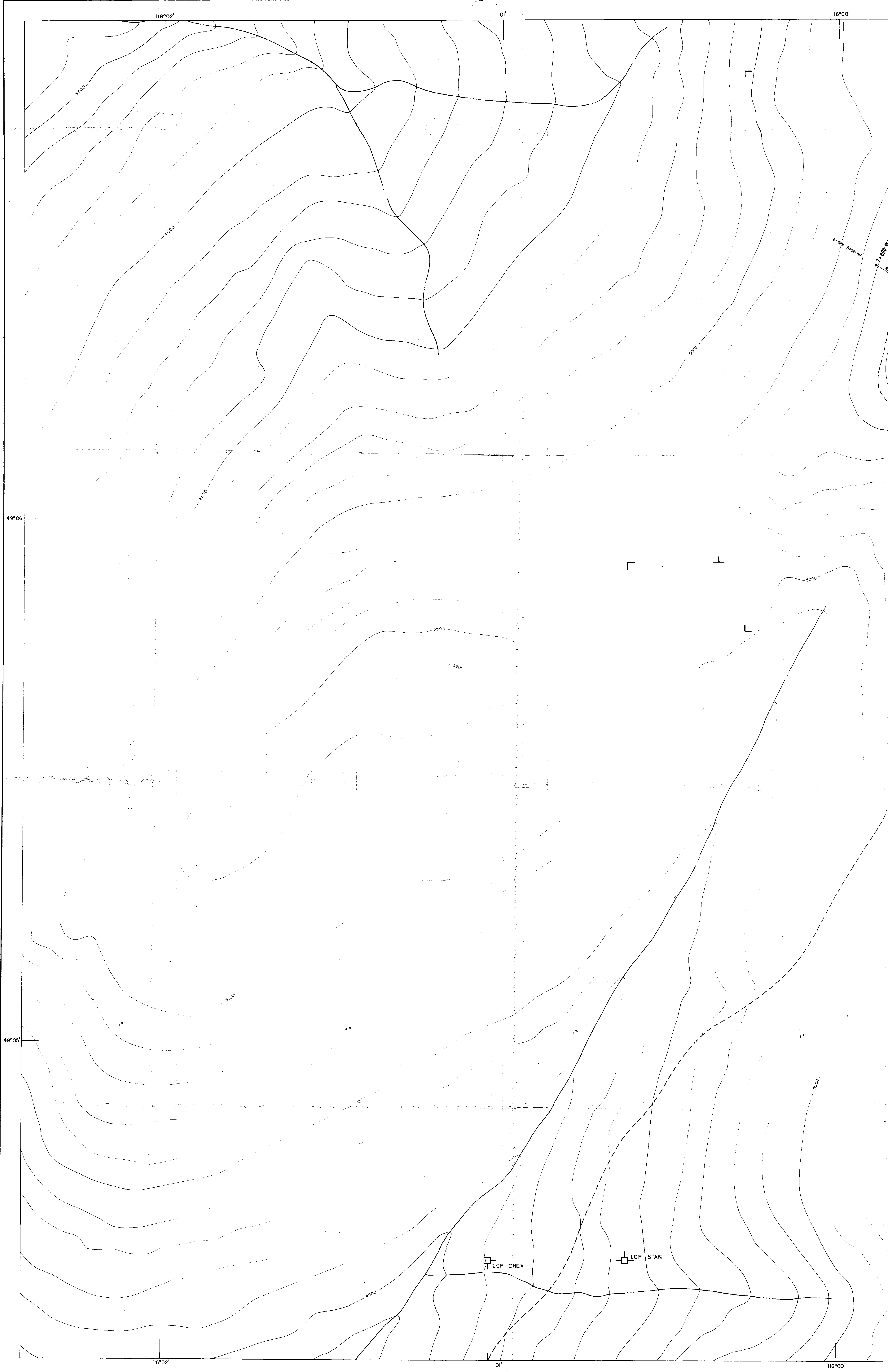
STRUCTURAL CROSS SECTION
H OF MT. MAHON SUMMIT

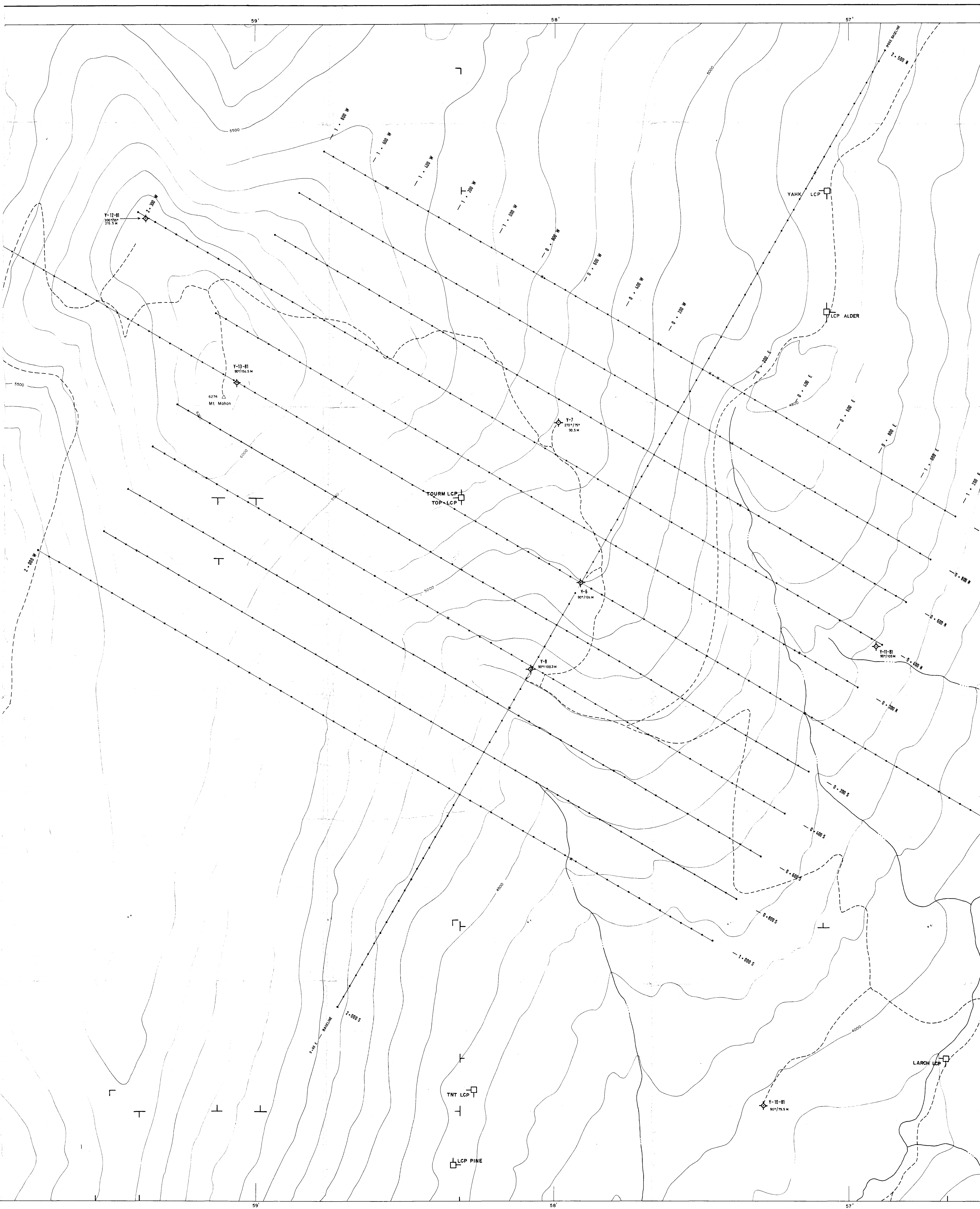


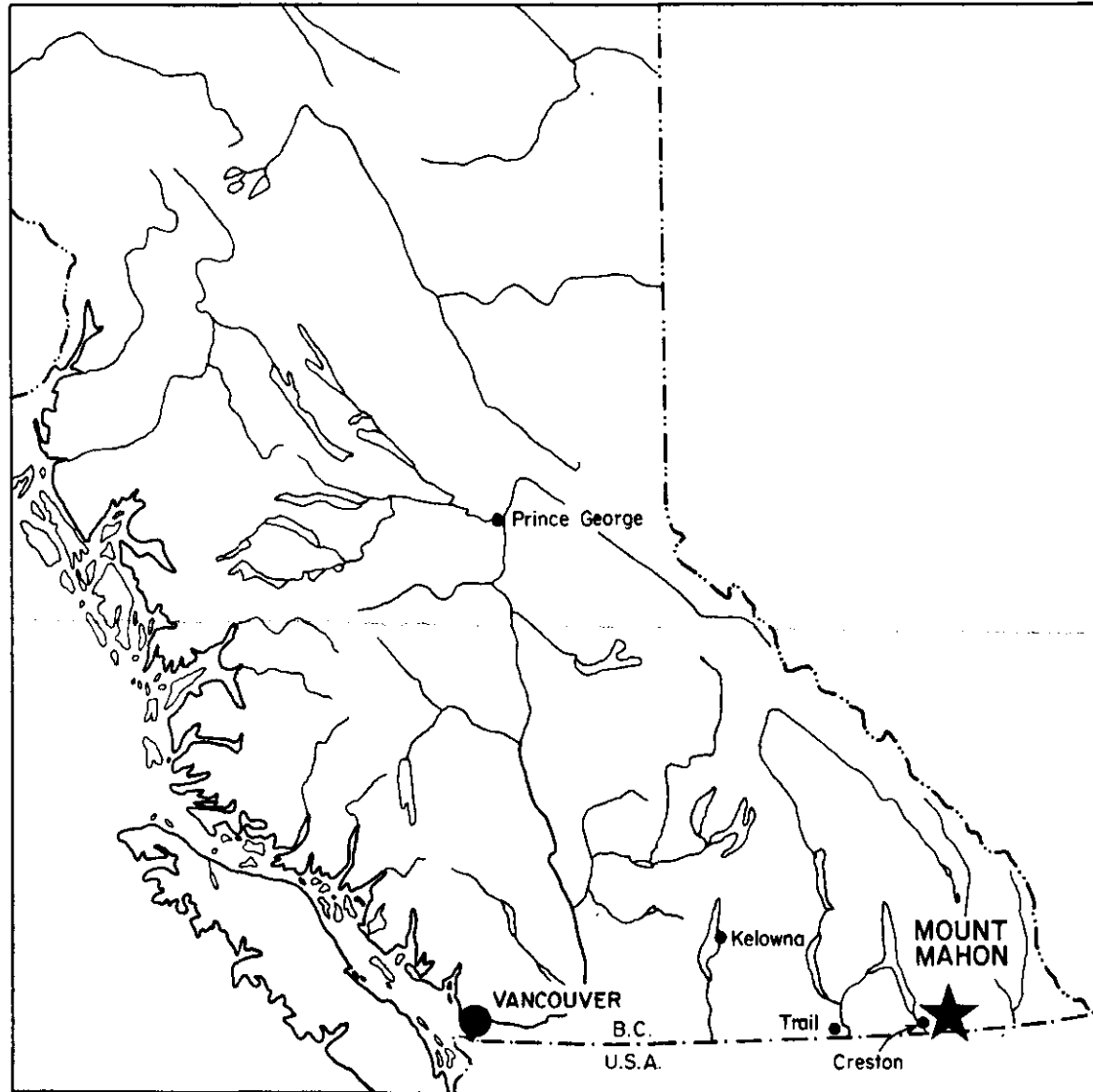
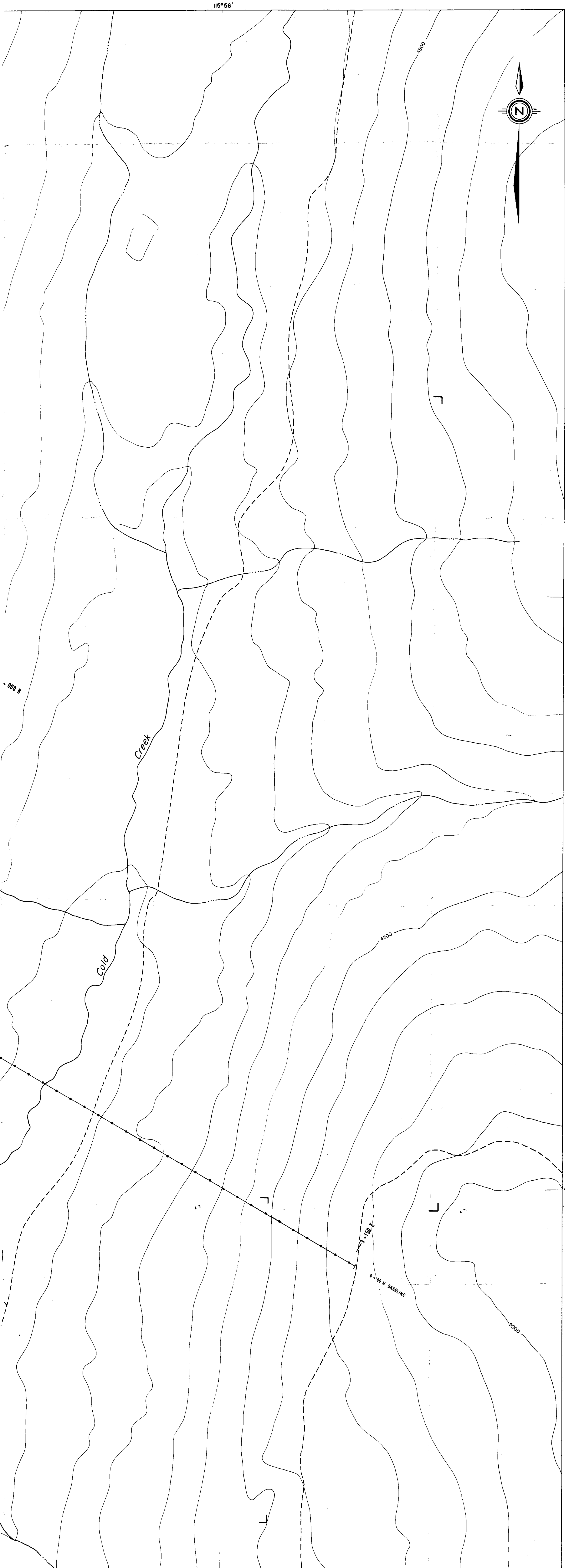
GEOLOGICAL BRANCH
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MOUNT MAHON STRUCTURAL CROSS SECTIONS	
FIGURE No. 6	PROJECT No. M 525
DATE DEC. 1983	REVISIONS
NTS No. 82 G4/SW	FILE No.
COMPILED BY L.D./PS	

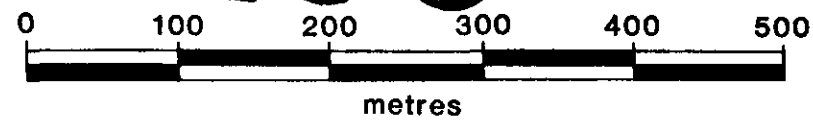






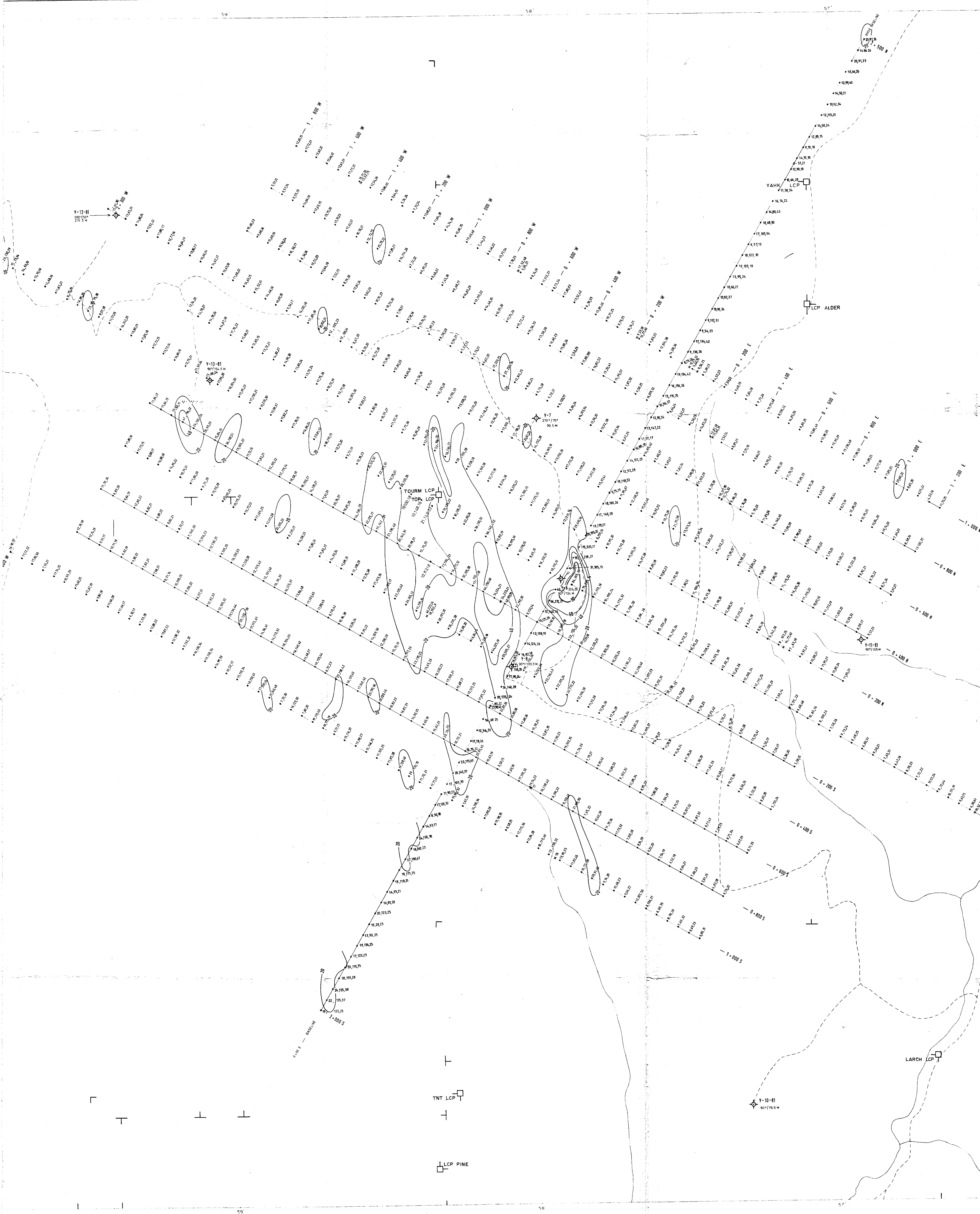
GEOLOGICAL BRANCH
ASSESSMENT REPORT

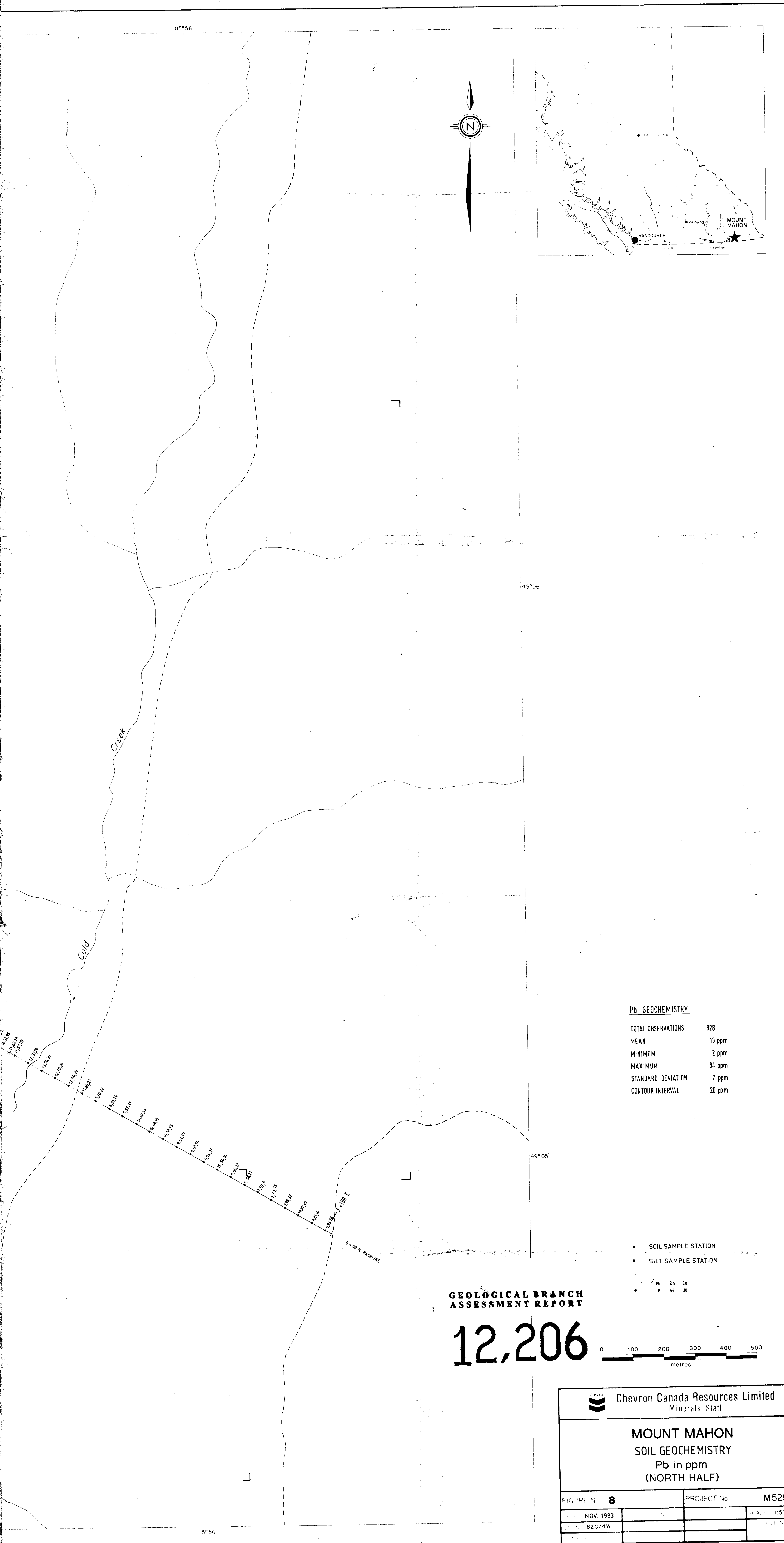
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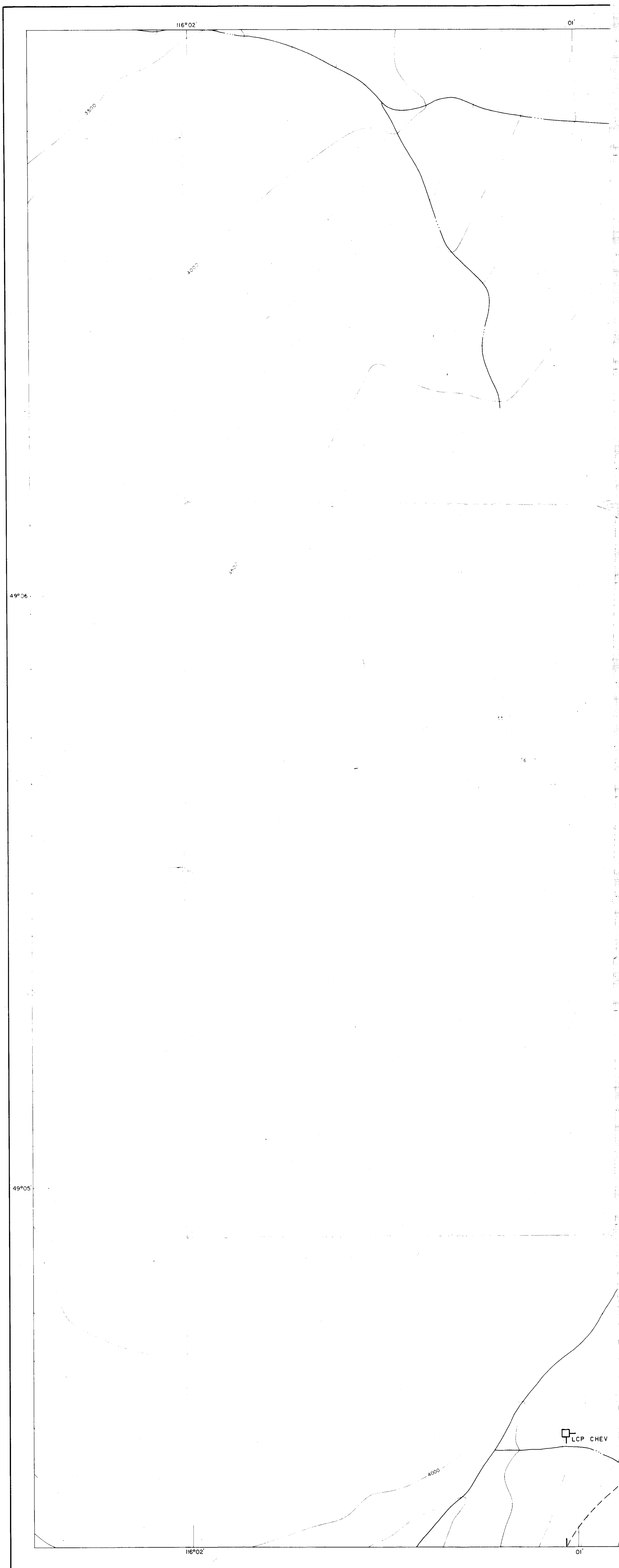


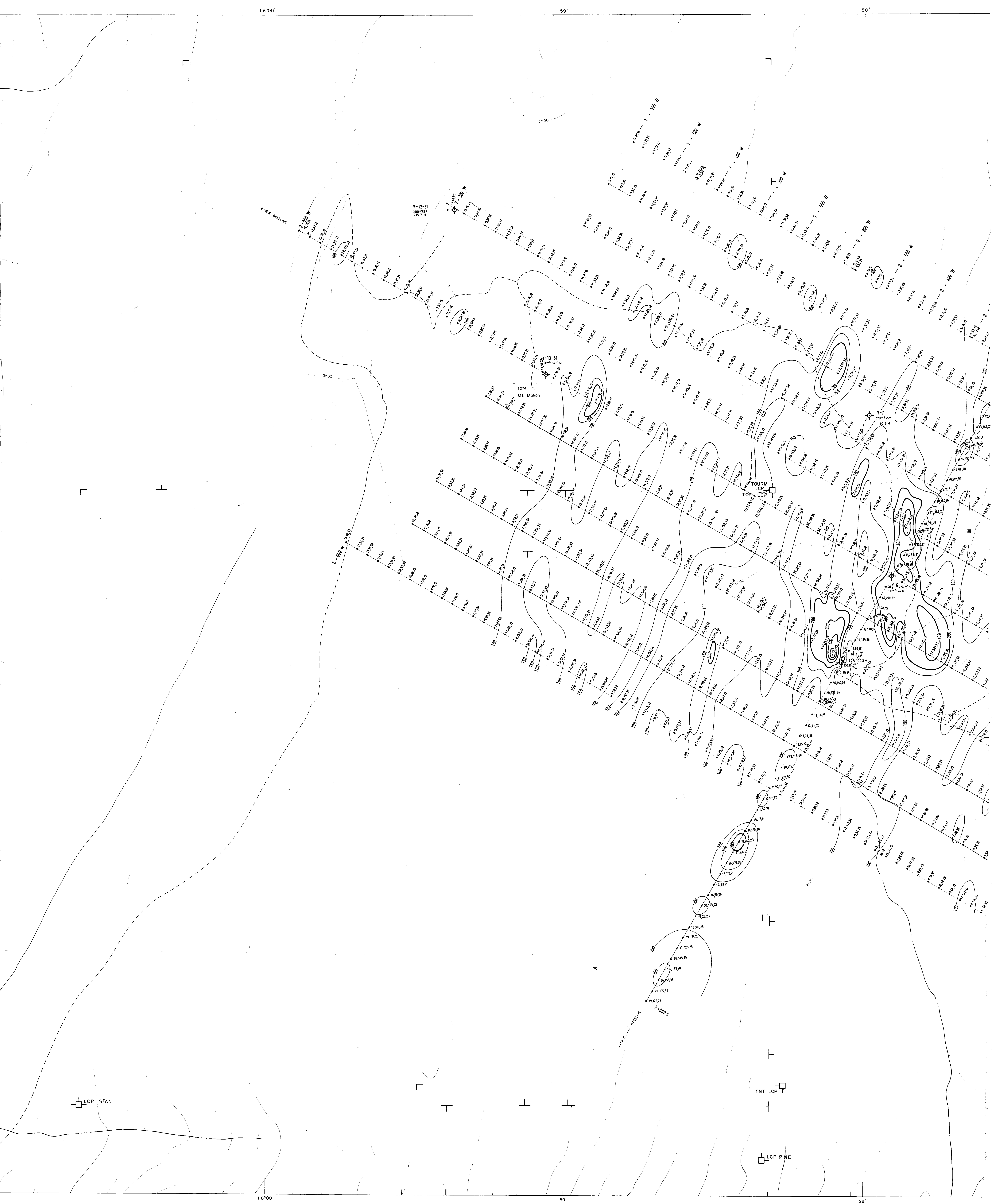
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MOUNT MAHON			
(NORTH HALF)			
FIGURE No 7		PROJECT No M525	
DATE	REVISIONS		SCALE 1:5000
NTS No 826/4W			FILE No
COMPILED BY			

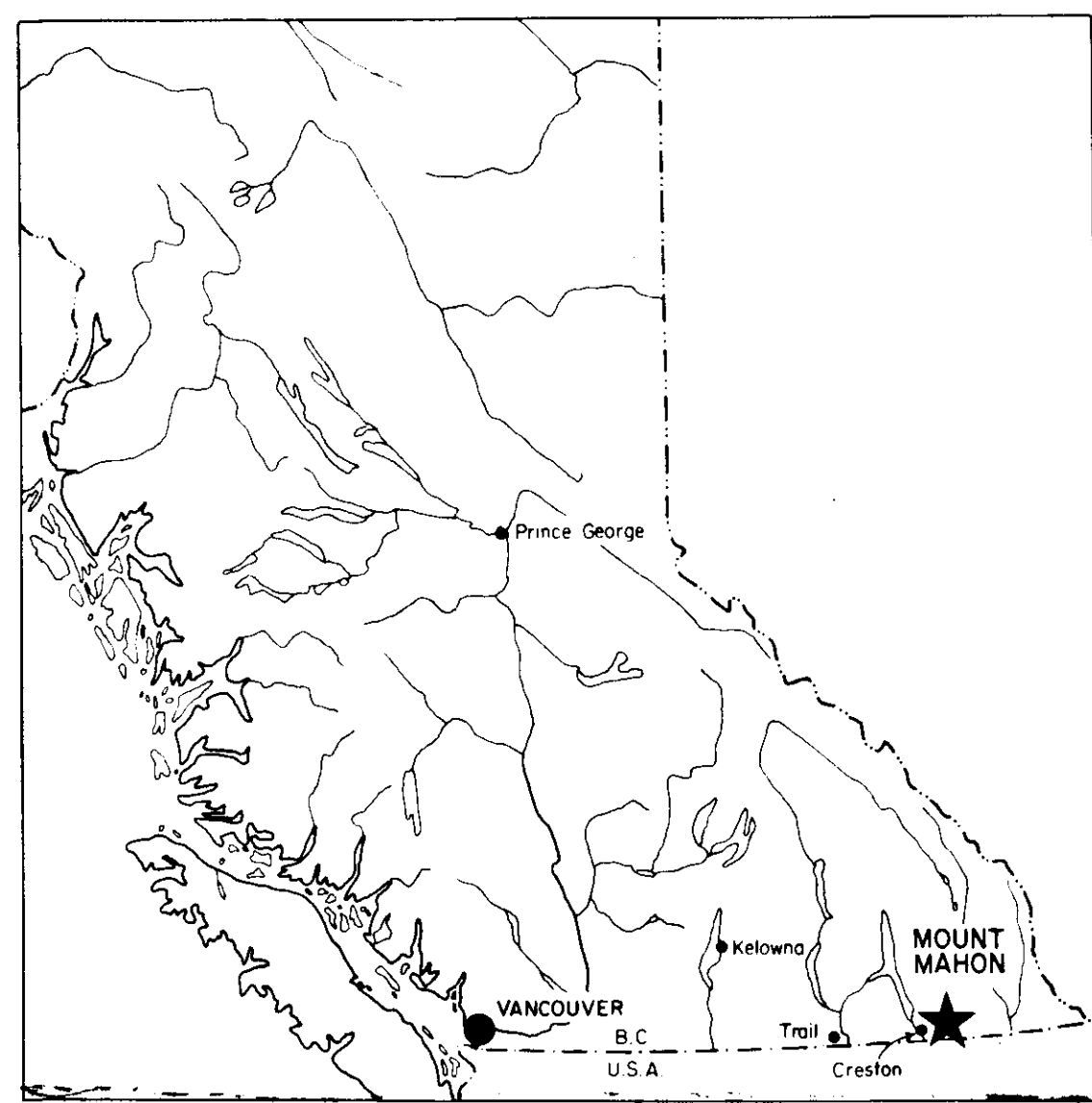








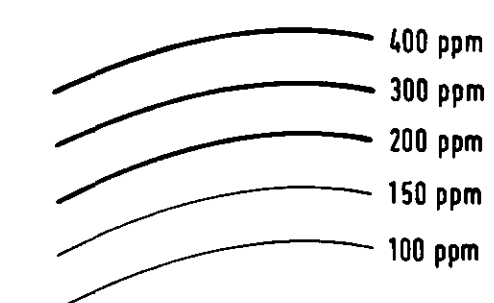




Zn GEOCHEMISTRY

TOTAL OBSERVATIONS	828
MEAN	95.6 ppm
MINIMUM	28 ppm
MAXIMUM	505 ppm
STANDARD DEVIATION	44.7 ppm

CONTOUR INTERVALS

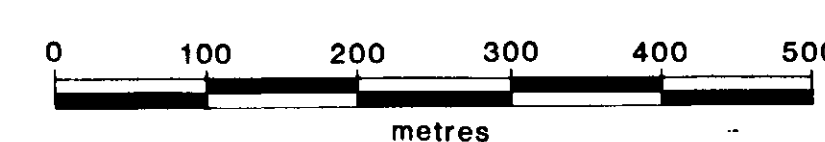


- SOIL SAMPLE STATION
- x SILT SAMPLE STATION

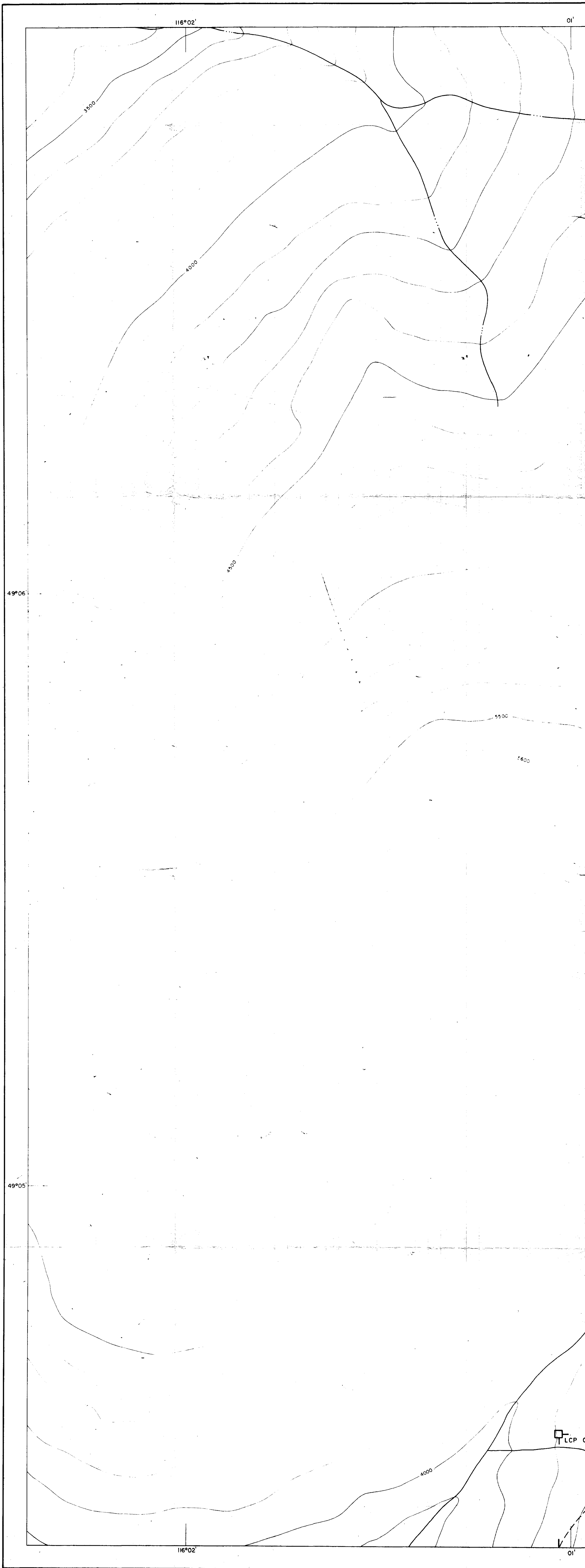
Pb Zn Cu
15, 100, 49

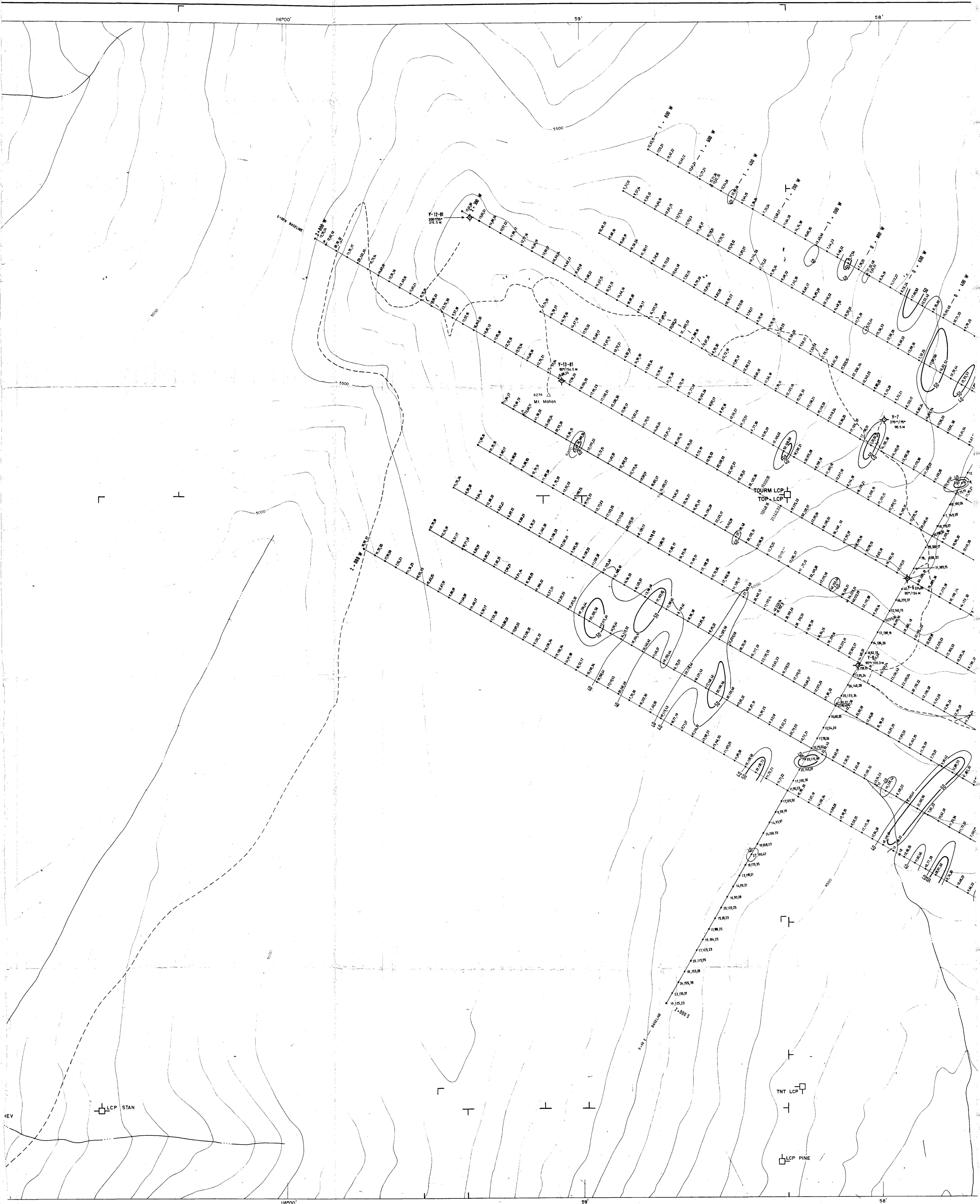
GEOLOGICAL BRANCH
ASSESSMENT REPORT

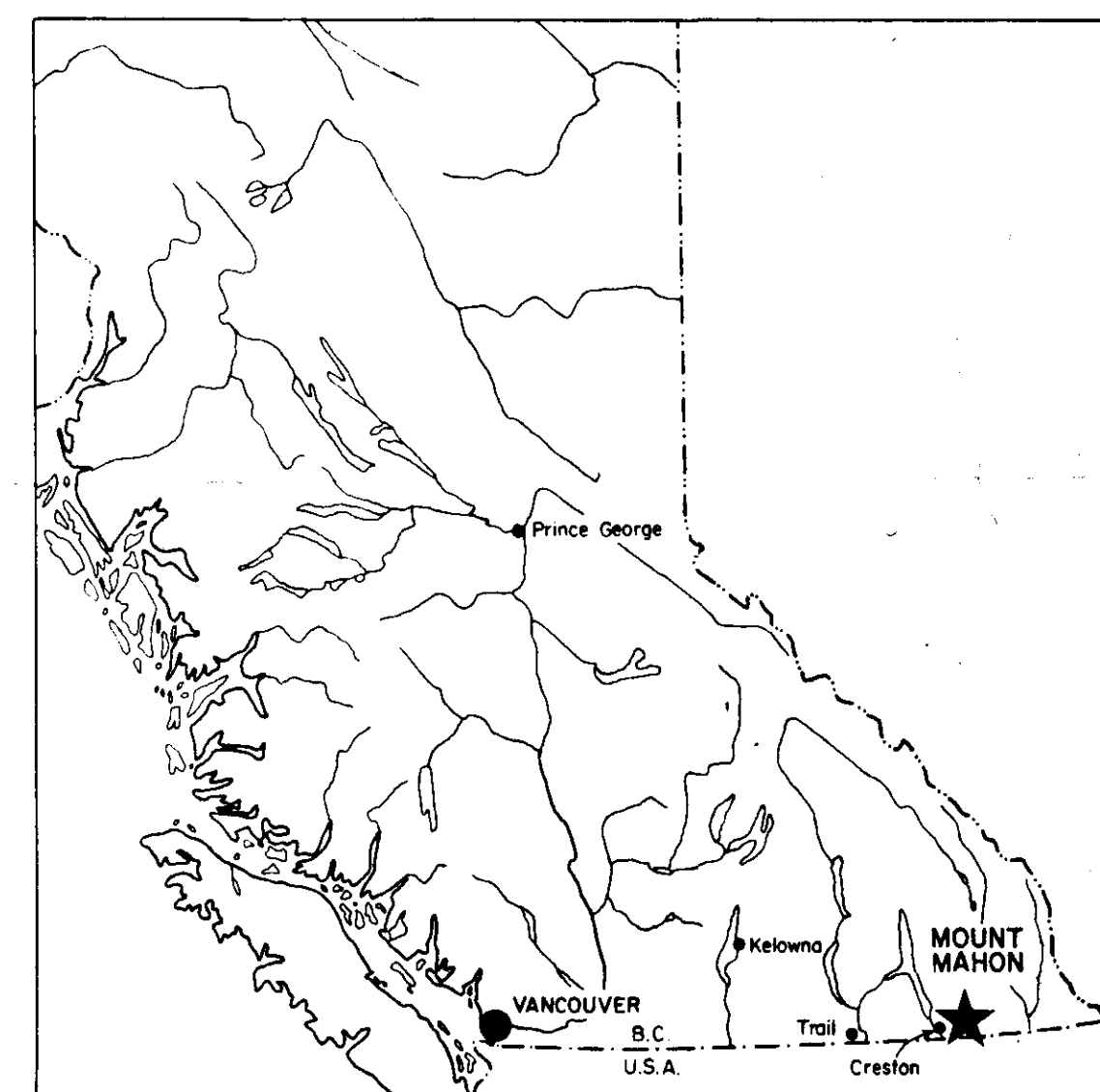
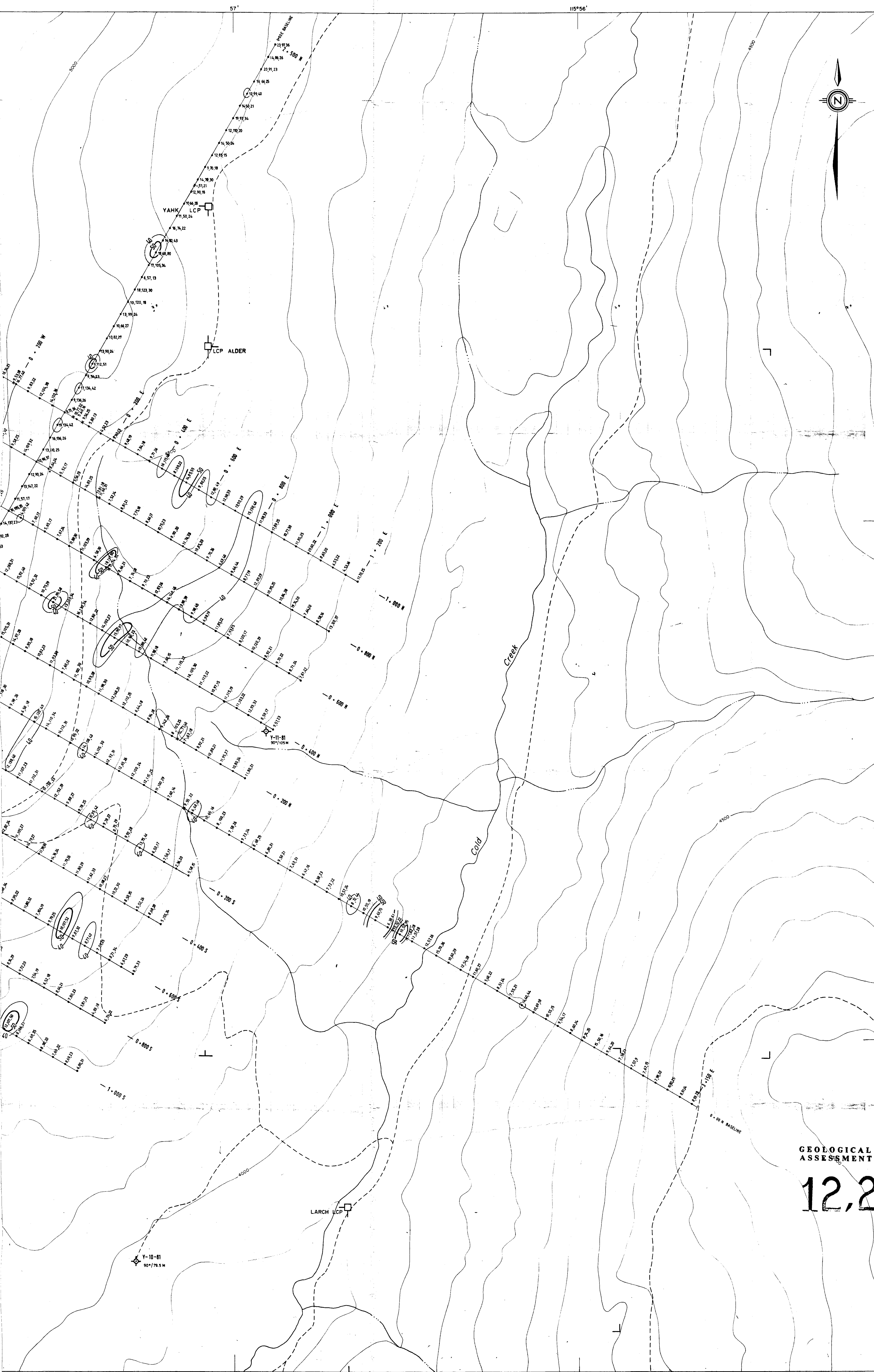
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MOUNT MAHON SOIL GEOCHEMISTRY Zn in ppm (NORTH HALF)			
FIGURE No 9		PROJECT No M525	
DATE JAN. 1984	REVISIONS	SCALE 1:5000	
NTS No 826/4W		FILE No	
COMPILED BY			

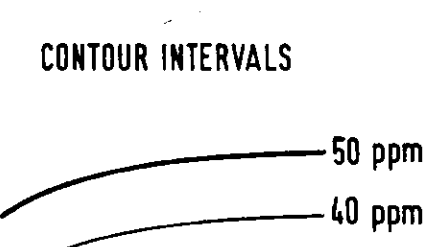




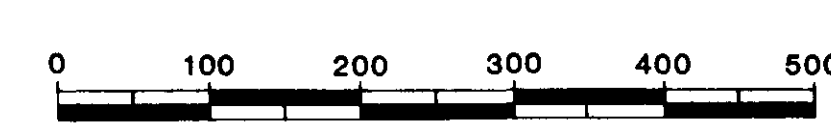


Cu GEOCHEMISTRY

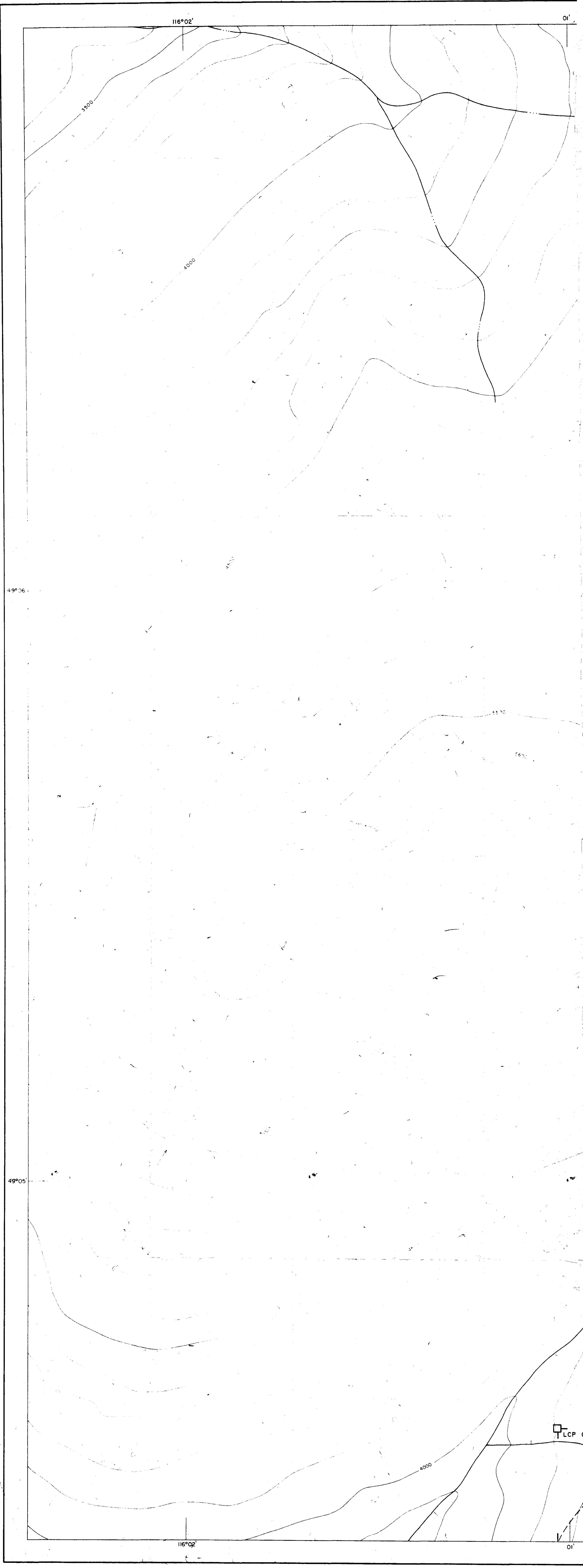
TOTAL OBSERVATIONS	828
MEAN	26 ppm
MINIMUM	9 ppm
MAXIMUM	100 ppm
STANDARD DEVIATION	11 ppm
CONTOUR INTERVALS	40 & 50 ppm



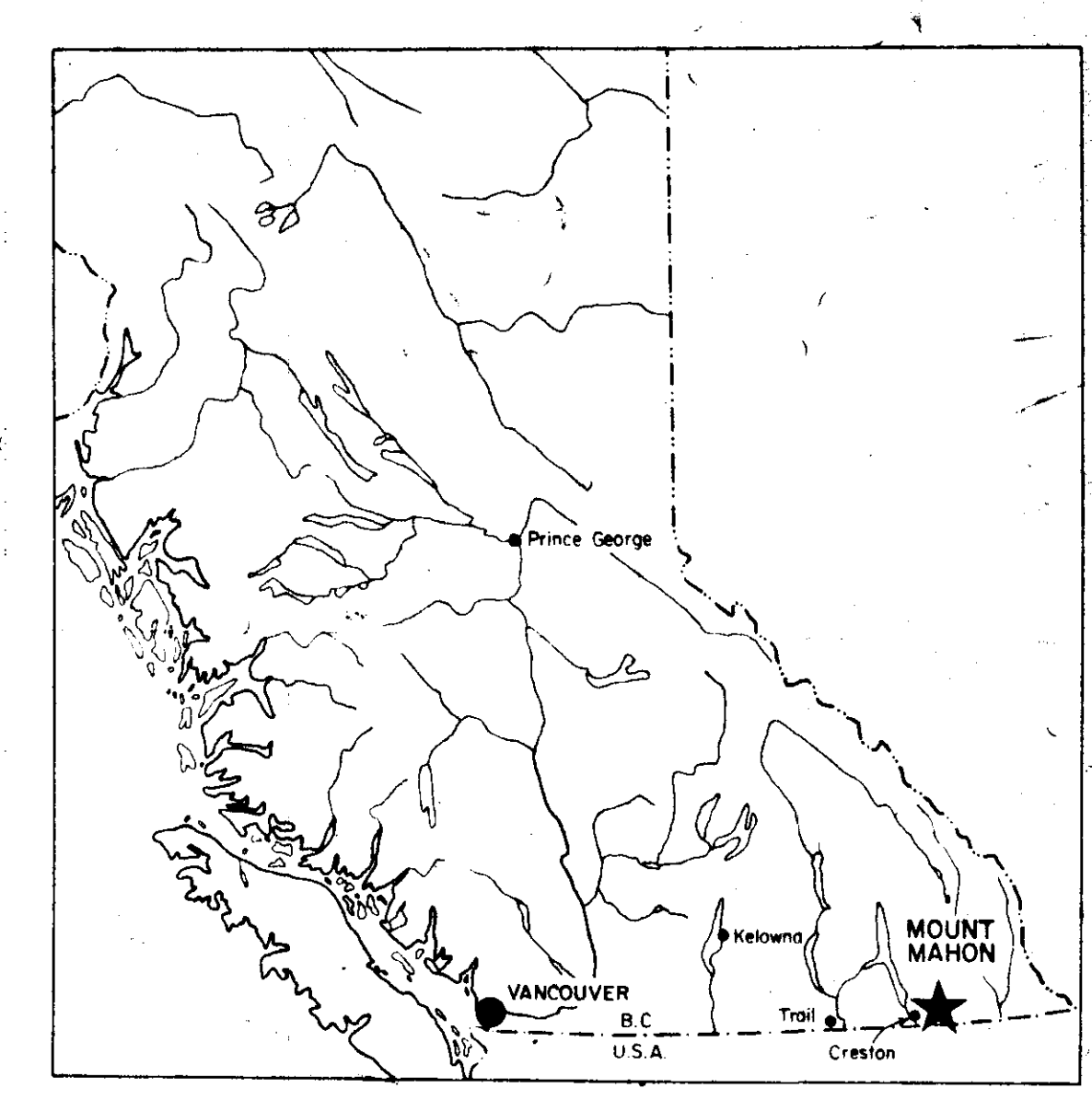
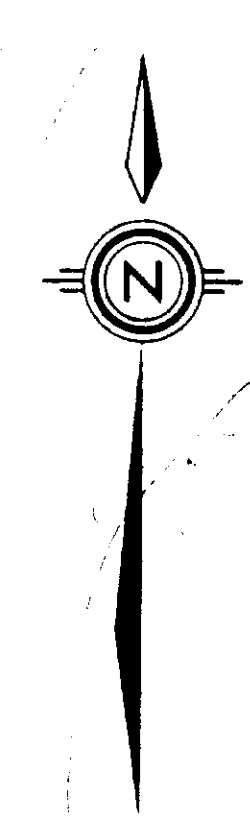
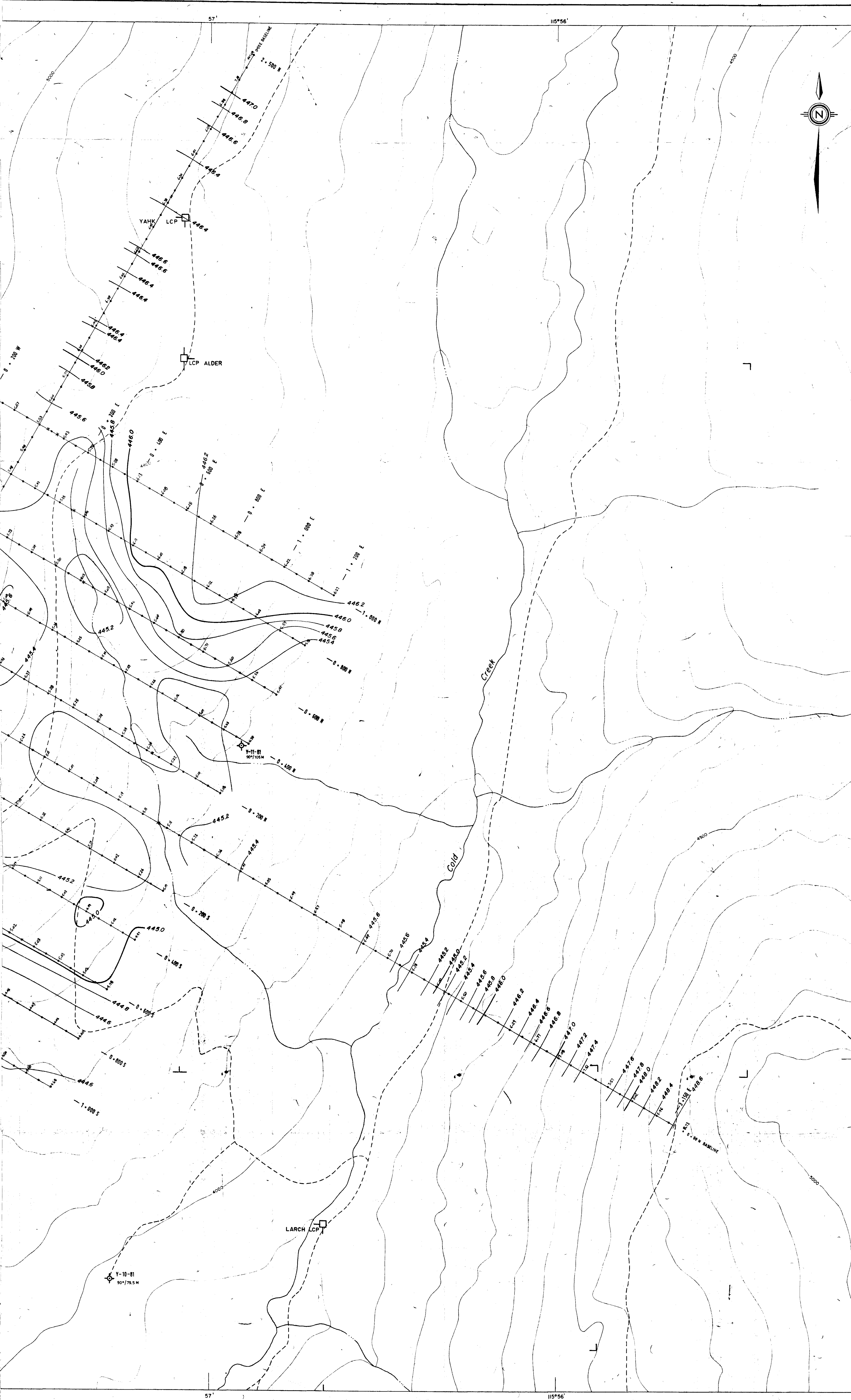
- SOIL SAMPLE STATION
 - x SILT SAMPLE STATION
- 75 25 Cu
8 60 16



Chevron Canada Resources Limited Minerals Staff			
MOUNT MAHON SOIL GEOCHEMISTRY Cu in ppm (NORTH HALF)			
FIGURE No 10		PROJECT No M525	
DATE JAN. 1984	REVISIONS	SCALE 1:5000	FILE No
NTS No 826/4W			
COMPILED BY			

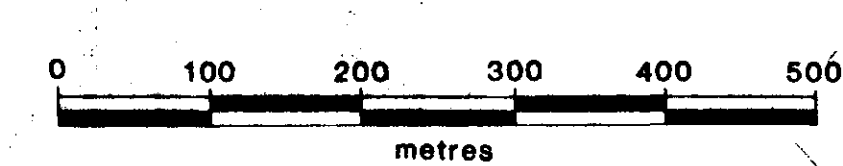






GEOLOGICAL BRANCH
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MOUNT MAHON			
COMPLETE BOUGUER GRAVITY			
(NORTH HALF)			
Ager, Berretta S. Ellis Inc.		PROJECT No.	M525
DATE	REVISIONS	Fig. No. 12	SCALE: 1:5000
NTS No. 826/4W			FILE No.
COMPILED BY			

