LEGEND

CRETACEOUS GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS

DEVONIAN – MISSISSIPIAN BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE

SILURIAN – DEVONIAN (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE

SILURIAN VARICOLOURED CHERTS AND SILICEOUS SHALES

ORDOVICIAN – SILURIAN (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE

CAMBRIAN – ORDOVICIAN INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)

PRECAMBRIAN (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

SILICA PERVASIVE DISSEMINATED AND FRACTURE FILLING

CARBONATE PERVASIVE DISSEMINATED AND FRACTURE

MINERALIZATION MASSIVE, FRACTURE FILLING
DISSEMINATED HZ = HYDROZINCITE, SPH = SPHALERITE
GAL = GALENA, PY = PYRITE, PO = PYRRHOTITE

SYMBOLS

- MAJOR CREEKS + RIVERS
- CREEKS
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- CONTOUR INTERVAL 50 MTR.
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH 45° — DIAMOND DRILL HOLE with total depth azimuth and inclination
- TRANSIT LINES w/ HUBS
- COMPASS LINES
- SHEARS
- JOINTS
- CONTACTS (Defined, inferred, possible)
- OUTCROPS
- ANGULAR FLOAT
- F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
- F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage
- F_3 FOLIATION (Dip 30° and Vertical)
- F_2, F_3 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
- F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
- SYNCLINE, ANTICLINE W/FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
- SYNFORM, ANTIFORM
- AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
- FAULT W/DIP 70° PLUNGE OF SLICKENSIDES 75°
- FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
- LARGE INFERRED FAULTS
- A — A' CROSS-SECTION LOCATION

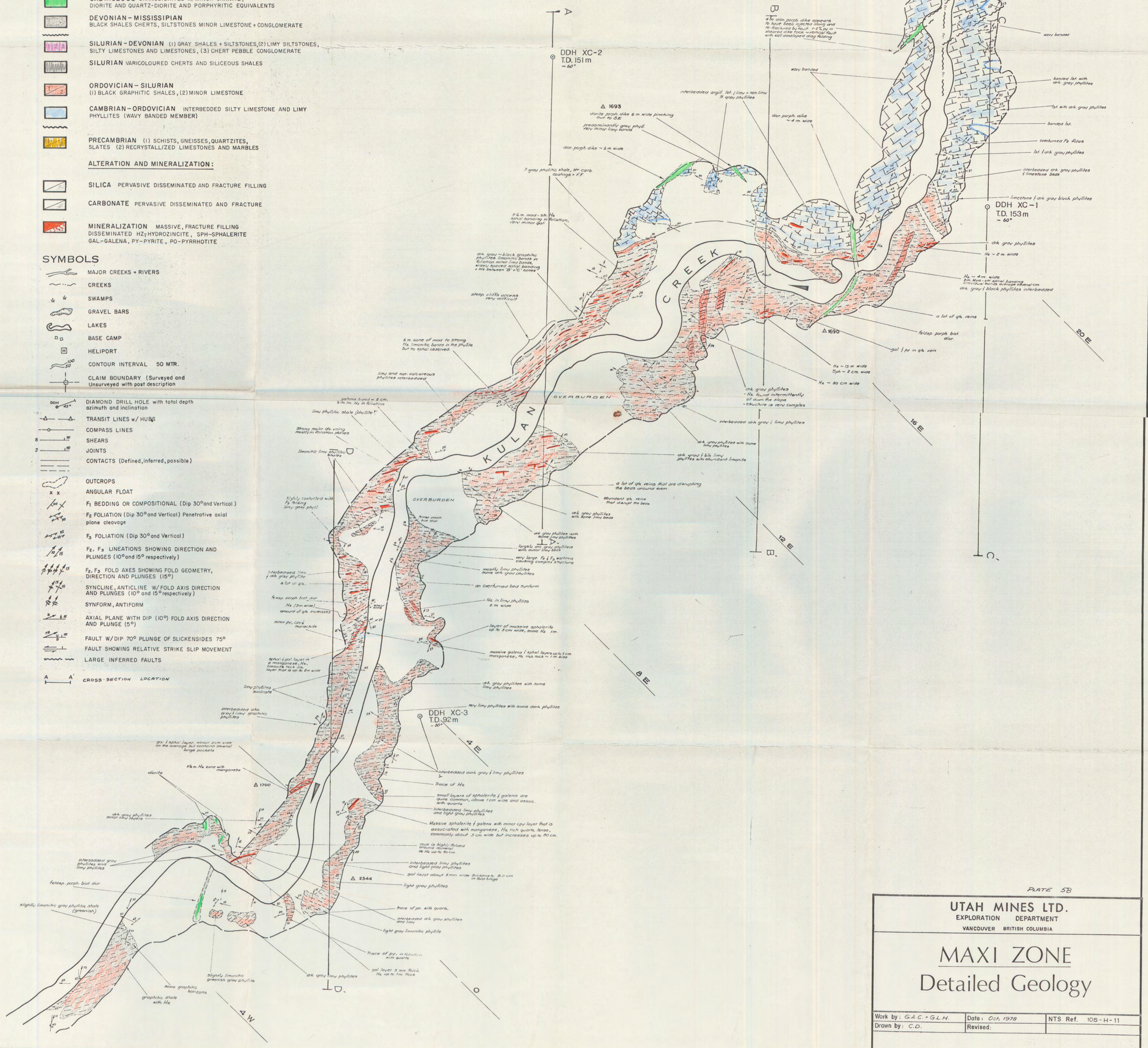


PLATE 5B

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI ZONE
Detailed Geology

Work by: G.A.C. + G.L.H.	Date: Oct, 1978	NTS Ref. 105-H-11
Drawn by: C.D.	Revised:	

SCALE: 1:1250

L 1410 L 1500 L 1580 L 1700 L 1820 L 1910 L 2000

26,000 N 24,000 N 22,000 N 20,000 N 18,000 N

68,500 N 69,500 E

THOM LAKE

MINI LAKE

THOMAS CREEK

MAXI MTN.
1439'

1400,000 E
UTM GRID

Plate IV

LEGEND

- **CRETACEOUS** GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS
- **DEVONIAN – MISSISSIPIAN** BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE
- **SILURIAN – DEVONIAN** (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE
- **SILURIAN** VARICOLOURED CHERTS AND SILICEOUS SHALES
- **ORDOVICIAN – SILURIAN** (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE
- **CAMBRIAN – ORDOVICIAN** INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)
- **PRECAMBRIAN** (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

- **SILICA** PERVASIVE DISSEMINATED AND FRACTURE FILLING
- **CARBONATE** PERVASIVE DISSEMINATED AND FRACTURE
- **MINERALIZATION** MASSIVE, FRACTURE FILLING DISSEMINATED HZ_2HYDROZINCITE, SPH-SPHALERITE GAL-GALENA, PY-PYRITE, PO-PYRRHOTITE

SYMBOLS

- MAJOR CREEKS + RIVERS
- CREEKS
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- CONTOUR INTERVAL 50 MTR.
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description
- DIAMOND DRILL HOLE with total depth azimuth and inclination
- TRANSIT LINES w/ HUBS
- COMPASS LINES
- SHEARS
- JOINTS
- CONTACTS (Defined, inferred, possible)
- OUTCROPS
- ANGULAR FLOAT
- F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
- F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage
- F_3 FOLIATION (Dip 30° and Vertical)
- F_2, F_3 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
- F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
- SYNCLINE, ANTICLINE W/ FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
- SYNFORM, ANTIFORM *(Overturned)*
- AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
- FAULT W/ DIP 70° PLUNGE OF SLICKENSIDES 75°
- FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
- LARGE INFERRED FAULTS

INDEX

4	5	6
1	2	3

N

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GEOLOGY

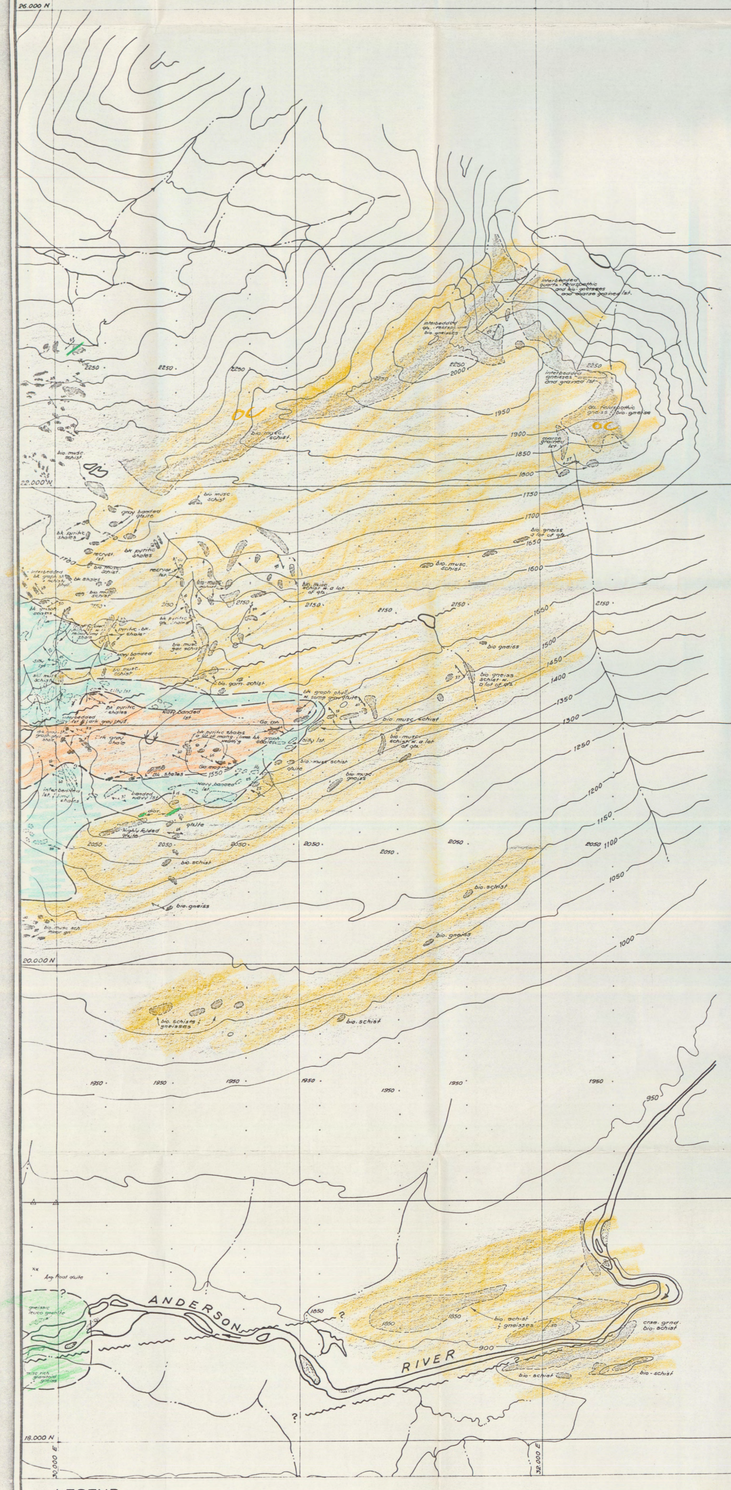
Work by GAC/GLN	Date: Oct. '79	NTS Ref. 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

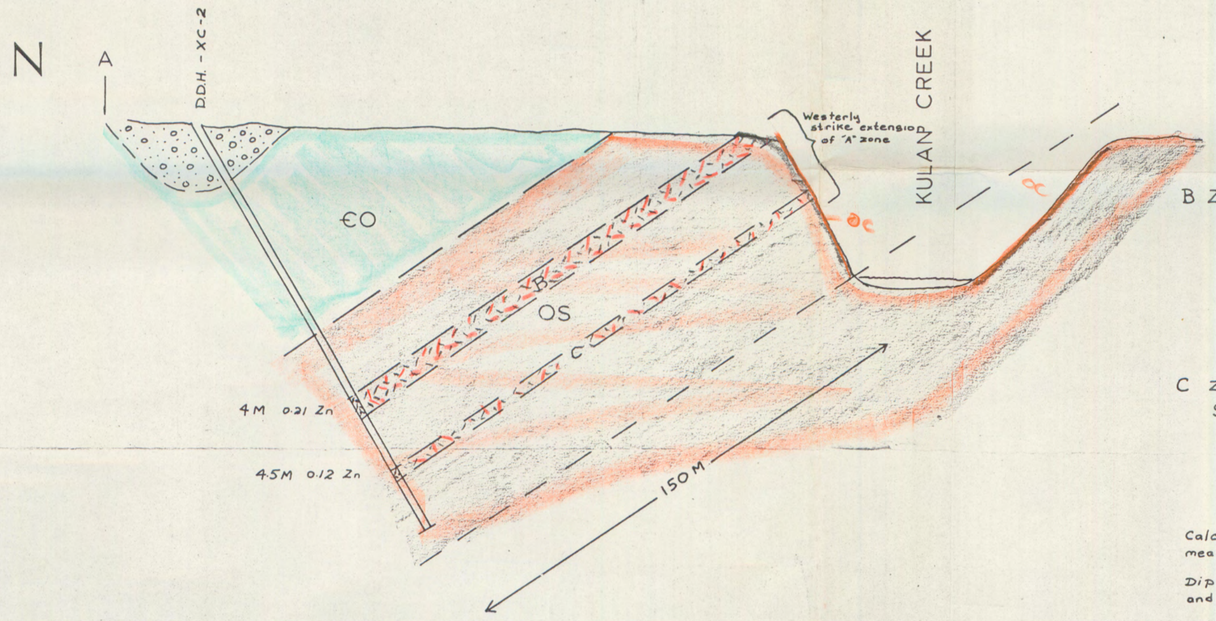
L 3020

L 3080

L 3140


ANDERSON
RIVER
bio-schist
bio-gneiss
bio-schist & gneisses
bio-schist & gneiss
bio-schist & gneisses
bio-schist & gneiss
bio-schist & gneisses
bio-schist &

SECTION A—A′



B Zone

Surface Assays ~ 50M east of section

			Zn	Pb
BW	2	1.5M	1.79	.11
	2A	1.5M	.68	.16
	3	1.5M	.24	.01
	4, 5	3.0M	.43	.30

C Zone

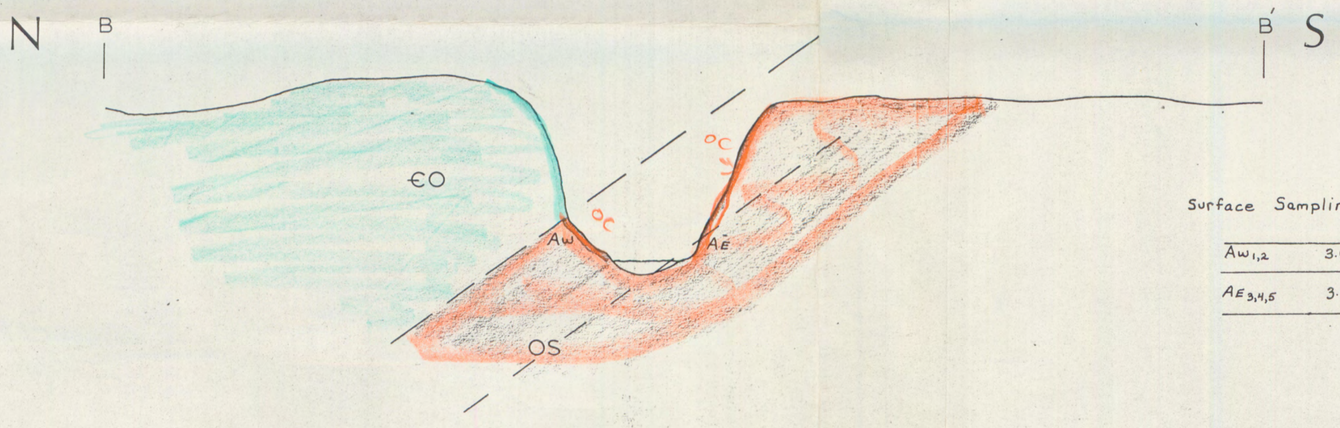
Surface Assays ~ 25M east of section

		Zn	Pb
C-1,2,4-8	15M	1.07	.07

Calculated average dip of f_2 from 10 surface measurements. - 30°

Dip of "wavy banded" contact from surface mapping and drill intercepts. -34°

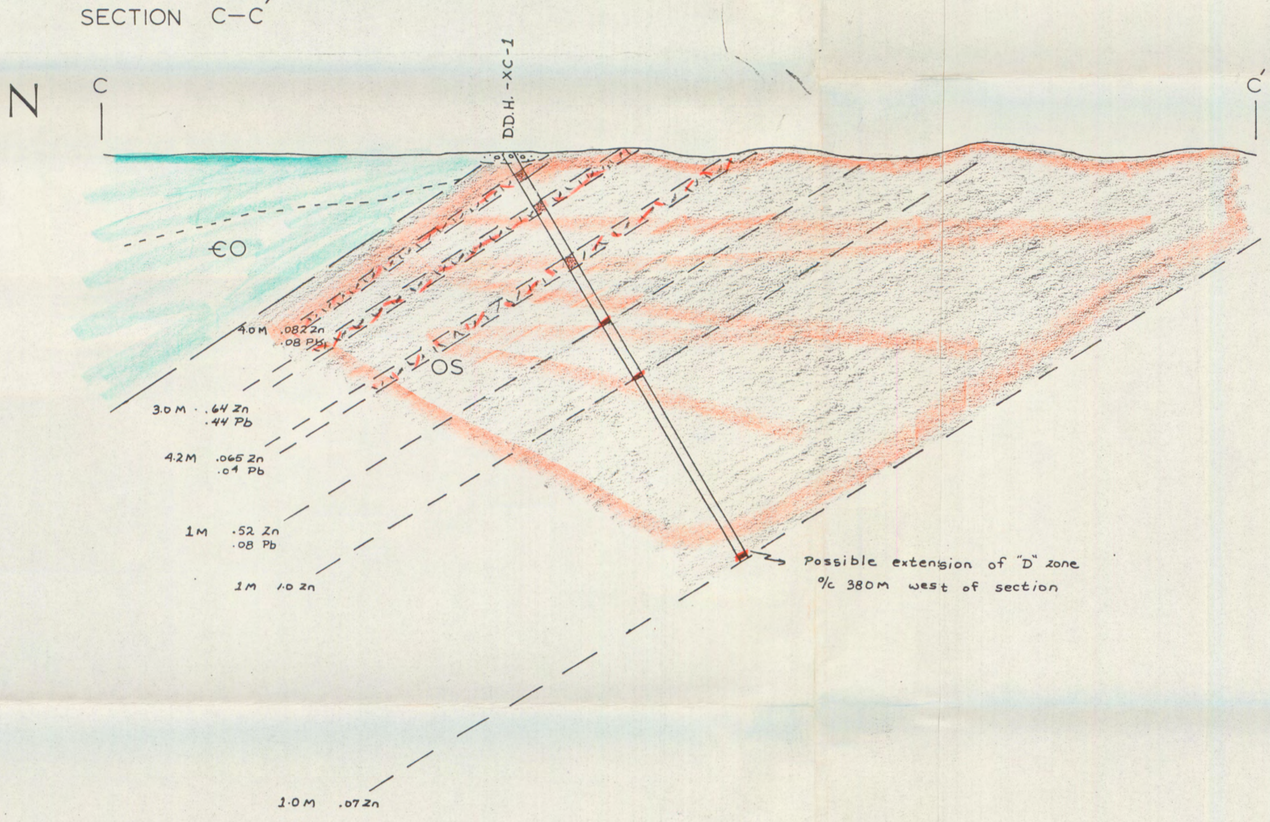
SECTION B—B′



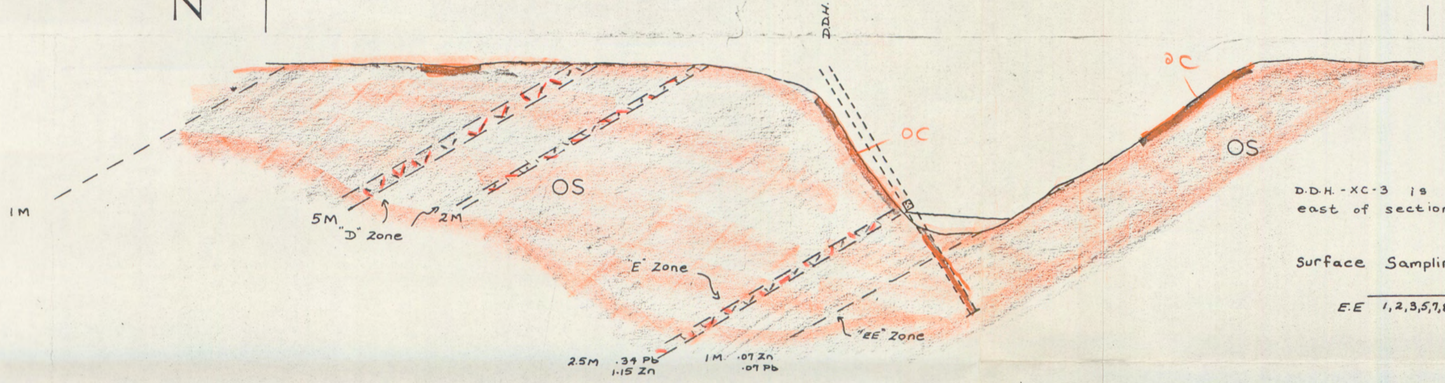
Surface Sampling

		Zn	Pb	
$A_{W_{1,2}}$	3.0M	.45	.02	on Section
$A_{E_{3,4,5}}$	3.4M	1.89	.03	15M east of section

SECTION C—C′



SECTION D—D′



D.D.H.-XC-3 is located 62 meters east of section

Surface Sampling ~ 15 meters east of section

			Zn.	Pb
E-E	1,2,3,5,7,8	8M	.44	.37

PLATE 59

LEGEND

- **CRETACEOUS** GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS
- **DEVONIAN-MISSISSIPIAN** BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE
- **SILURIAN-DEVONIAN** (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE
- **SILURIAN** VARICOLOURED CHERTS AND SILICEOUS SHALES
- **ORDOVICIAN-SILURIAN** (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE
- **CAMBRIAN-ORDOVICIAN** INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)
- **PRECAMBRIAN** (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

- **SILICA** PERVASIVE DISSEMINATED AND FRACTURE FILLING
- **CARBONATE** PERVASIVE DISSEMINATED AND FRACTURE
- **MINERALIZATION** MASSIVE, FRACTURE FILLING DISSEMINATED HZ-HYDROZINCITE, SPH-SPHALERITE GAL-GALENA, PY-PYRITE, PO-PYRRHOTITE
- *OVERBURDEN*

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

MAXI ZONE
CROSS-SECTIONS

Work by: G.A.C. & G.L.H.	Date: JAN. 1979	NTS Ref. 105H-11
Drawn by: G.L.H.	Revised	

20 0 20 40 60
SCALE IN METERS

Line 2570E

S

N

1700N

1800N

1900N

2000N

2100N

2200N

2300N

2400N

2500N

ELEVATION (a.s.l.) - FEET

Anderson Creek

Kulan Creek

SD

DM

DS

EO

PC

Line 2975E

1800N

1900N

2000N

2100N

2200N

2300N

2400N

ELEVATION (a.s.l.) - FEET

LEGEND

CRETACEOUS GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS

DEVONIAN – MISSISSIPIAN BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE

SILURIAN – DEVONIAN (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND BIOCLASTIC LIMESTONES, (3) QUARTZITES

SILURIAN VARICOLOURED CHERTS AND SILICEOUS SHALES

ORDOVICIAN – SILURIAN (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE

CAMBRIAN – ORDOVICIAN INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)

PRECAMBRIAN (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

SILICA PERVASIVE DISSEMINATED AND FRACTURE FILLING

CARBONATE PERVASIVE DISSEMINATED AND FRACTURE

MINERALIZATION MASSIVE, FRACTURE FILLING DISSEMINATED HZ_2 HYDROZINCITE, SPH–SPHALERITE GAL–GALENA, PY–PYRITE, PO–PYRRHOTITE

OVERBURDEN

SYMBOLS

- MAJOR CREEKS + RIVERS
- CREEKS
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- CONTOUR INTERVAL 50 MTR.
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description
- DIAMOND DRILL HOLE with total depth azimuth and inclination
- TRANSIT LINES w/ HUBS
- COMPASS LINES
- SHEARS
- JOINTS
- CONTACTS (Defined, inferred, possible)
- OUTCROPS
- ANGULAR FLOAT
- F_3 FOLIATION (Dip 30° and Vertical)
- F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
- F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage
- F_1, F_4 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
- F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
- SYNCLINE, ANTICLINE W/FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
- SYNFORM, ANTIFORM
- AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
- FAULT W/DIP 70° PLUNGE OF SLICKENSIDES 75°
- FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
- LARGE INFERRED FAULTS

Plate 18

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

CROSS-SECTIONS

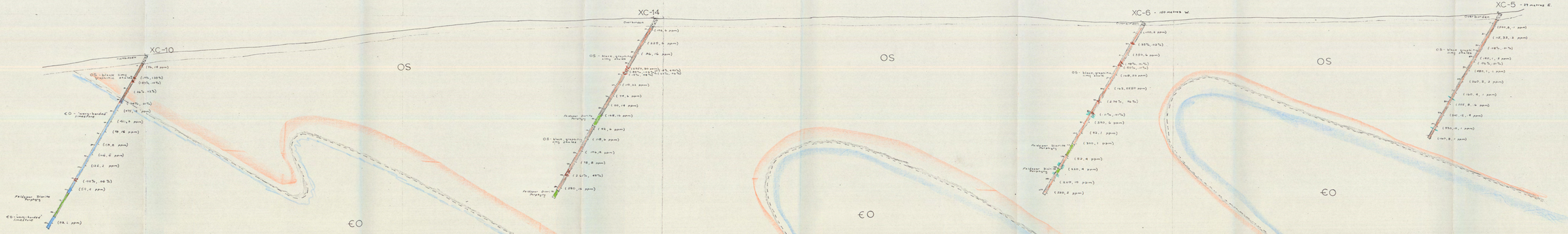
Work by: G. Holland	Date: July 1979	NTS Ref: 105-H-11
Drawn by: G.L. Holland	Revised:	

200 0 200 400 600
SCALE IN METRES

LINE 2570E

S

N



LEGEND:

- OVERBURDEN
- CRETACEOUS — Relative Quartz porphyry
- ORDOVICIAN - SILURIAN — Black, graphitic shale
- CAMBRO - ORDOVICIAN — Mainly buff to grey limestone

SYMBOLS:

- CONTACT (INFERRED, POSSIBLE)
- SHEAR ZONE
- MINERALIZATION
- (Zn, Pb, Ag) GEOCHEMICAL VALUES
- DRUMMLE DEPTH (METRES)

NOTE SAMPLES ARE ALL 1 METRE WIDE

DRILLHOLES:

XC-5 : TD - 173.5 m ; Bearing - 180° ; Inclination - -60° ; Size - NQ wireline

XC-6 : TD - 152.4 m ; Bearing - 180° ; Inclination - -60° ; Size - NQ wireline

XC-10 : TD - 184.8 m ; Bearing - 180° ; Inclination - -60° ; Size - NQ wireline

XC-14 : TD - 158.5 m ; Bearing - 180° ; Inclination - -60° ; Size - NQ wireline

Plate 81

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

DRILLHOLE SECTIONS
XC-5, XC-6, XC-10, XC-14

Work by: G.A.C. & G.L.H.	Date: July 1979	NTS Ref: 105-14-11
Drawn by: G.L. Hollins	Revised	

20 0 20 40 60
SCALE IN METRES

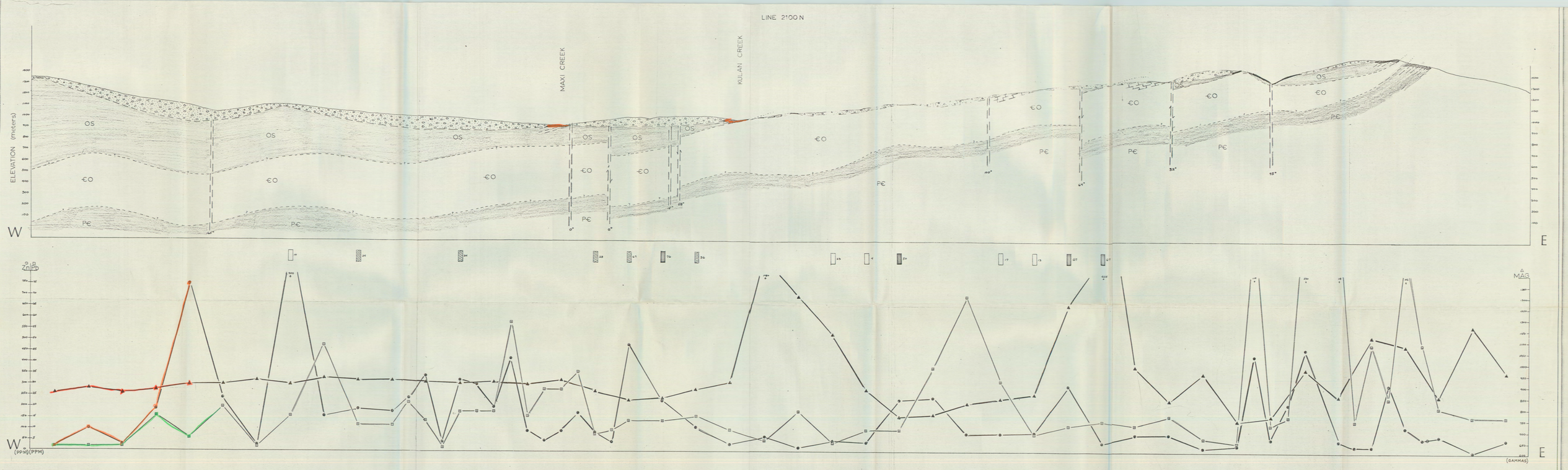


Plate 17

LEGEND

- CRETACEOUS GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS
- DEVONIAN – MISSISSIPIAN BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE
- SD — SILURIAN – DEVONIAN (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE
- SIL — SILURIAN VARICOLOURED CHERTS AND SILICEOUS SHALES
- OS — ORDOVICIAN – SILURIAN (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE
- €O — CAMBRIAN – ORDOVICIAN INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (MAY BANDED MEMBER)
- PRECAMBRIAN (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

- SILICA PERVASIVE DISSEMINATED AND FRACTURE FILLING
- CARBONATE PERVASIVE DISSEMINATED AND FRACTURE
- MINERALIZATION MASSIVE, FRACTURE FILLING DISSEMINATED H_2=HYDROZINCITE, SPH-SPHALERITE GAL-GALENA, PY-PYRITE, PO-PYRRHOTITE

- LEAD VALUE (PPM)
- ZINC VALUE (PPM)
- MAGNETIC READING (GAMMAS)
- EM CONDUCTORS (BMG-INCOLIMIT, PAR-GMD, POOR-FAIR)

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.
CROSS-SECTIONS

Work by G.A.C. F.G.H.	Date: JAN 1979	NTS Ref 105 N-11
Drawn by G.L.H.	Revised OCT 1979	

200 0 200 400 600
SCALE IN METRES