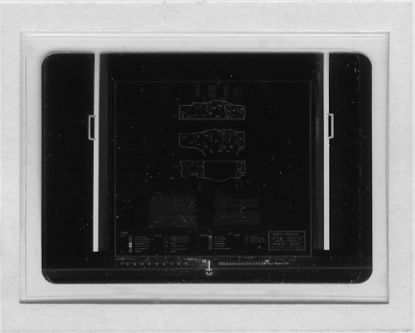
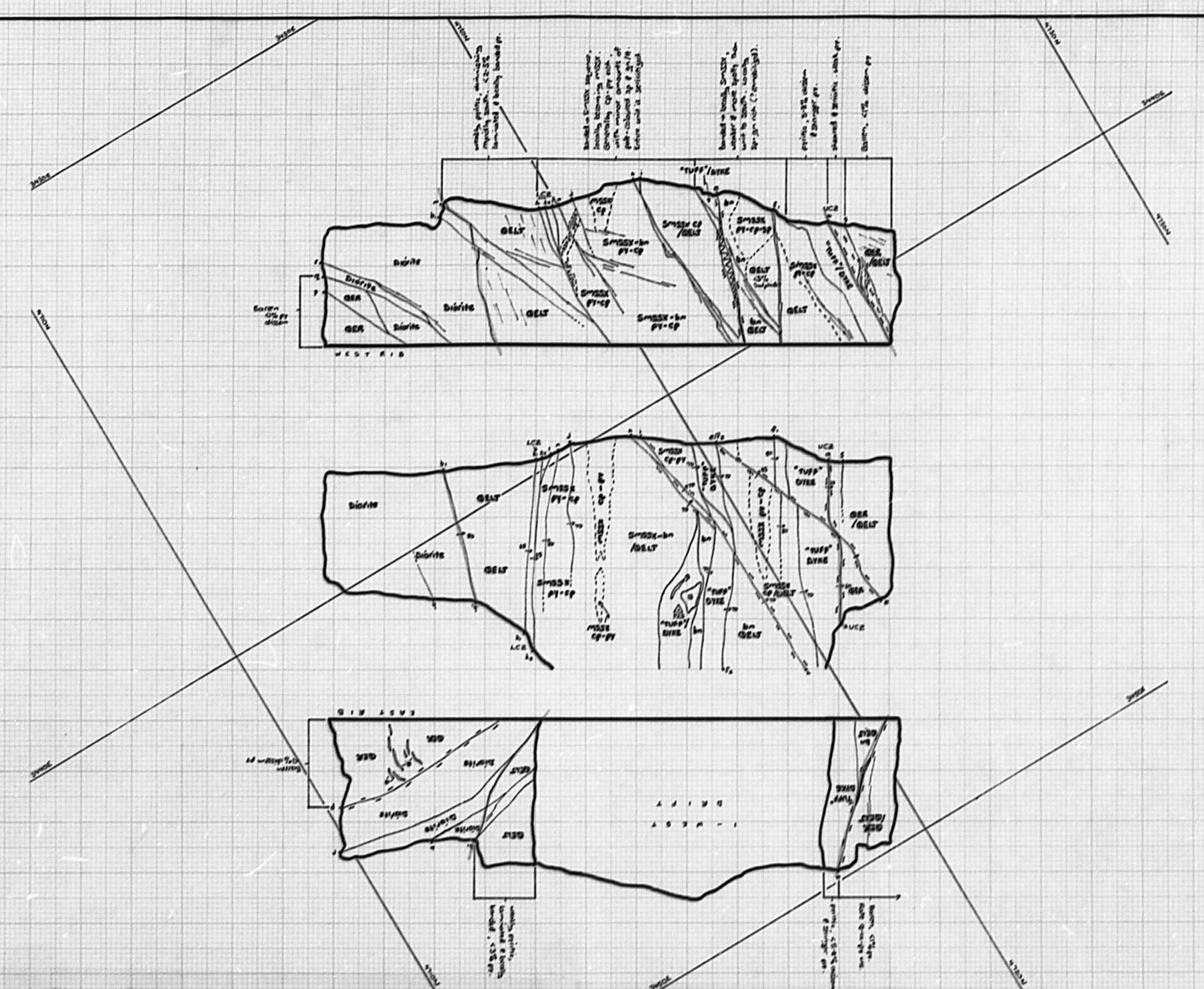
DWG.# X9W-G-MWH REV.#
PT. OF
TITLE: 1-3442 EXCUT - GEOLOGY

827739

Lara-
Underground
Microfiche of
Sections + plans



184X1 READ-SCAN ZION, ILL. U.S.



LITHOLOGICAL

This crosscut exposes a low to medium grade, relatively wide polymetallic section, injected by igneous intrusions of varying lithologies. Three main rock types are represented:

1. QELT: coarse to medium grained lithic tuff forms the main host rocks to the polymetallic mineralization, and is blocky and well foliated. The QELT section between faults k (LCZ) and a (UCZ) is highly fragmental and pervasively sericitized, with sulphide aggregates and bands bending around and enclosing barren QER fragments (this mineralization character will pose problems for assay repeatability through resampling). The section between faults k-a shows indistinct folding (open, gentle), becoming locally disrupted and contorted adjacent to the faults. Areas with the highest visible sulphide % tend to occur as matrix-infillings in brecciated zones. Minor isolate MSSX py-cp-sp pods occur.

2. "Tuff-dyke": pale brown-grey, massive and relatively fresh-looking intrusive(?). Weakly to moderately pyritic. Contains common Q-carb microveins and pods. Coarse remobilized sulphides are associated with these pods and with the margins of these "dykes". Contacts are sharp and mildly sheared. The "tuff-dyke" bodies tend to be lenticular or boudined, and do not seem to be discordant with the regional 'Coronation-trend".

3. Diorite: dark green, strongly chloritized mafic volcanic, seems to be discordant to the LC7 contact. This unit is highly altered and friable, with up to 10% carbonate content occurring as tension-gash infillings and microveins. Weakly pyritic. Sharp contacts.

STRUCTURAL

Three fault sets occur:

1. "Coronation-trend" faults k1-k2-l-n-j-f-a: Sharp, locally sheared and chlorite-coated. Rare splaying apart from fault a (UCZ), which consists of a 3-5cm braided swarm of chloritic splays. High angle (<65).

2. High angle crossfaults e-h-i: cream-white, granular gg. Truncates UCZ fault and offsets sinistrally by approx 0.4m.

3. Low angle faults: weakly developed, mildly offsetting mineralized zones and disrupting dyke margins.

MINERALIZATION

1. north of fault a (UCZ): barren QELT, rare disseminate pyrite (<1%). Locally py-enriched immediately north of fault a, in the local zone of intense shearing.

2. between faults a and k1-k2: moderate to strong pyrite, withy locally enriched sp-cp banded/brecciated zones. Occasional thin, poddy MSSX py-cp bands. Pervasively sericitized and shattered.

3. south of faults k1-k2: weak laminated pyritic QELT, rapidly grading south into barren QER. The contacts of the mafic dyke and fracture surfaces within are coated in coarsely crystalline pyrite.

LEGEND

LITHOLOGIES

- QFP — Quartz-feldspar Porphyry
- QELT — Quartz-Eye Lithic / Crystal Tuff
- QER — Quartz-Eye "Domal" Rhyolite
- Chloritized Diorite Intrusive
- "Tuff Dyke" / metasediment
- Arg — Argillite / metasediment
- Gouge Zone.

STRUCTURE

- Polymetallic Zone, upper (N?) contact
- Polymetallic Zone, lower (S?) contact
- Fault, Dip Direction and Dip
- Shearing
- low angle, reverse fault
- movement sense across fault
- bx — Brecciation

MINERALIZATION

- Massive Sulphide
- SMSSX — Semi-massive Sulphide
- bn — banded Sulphides
- lm — laminated Sulphides
- py — pyritic QELT / QER
- Q-cc — Quartz-carbonate aggregates.

GENERAL

- △P21 — Survey Station
- ⊙DH — Diamond Drillhole intercept
- ⊙S15 — Testhole (Jackleg) intercept.

ABERMIN CORPORATION

LARA PROJECT - CORONATION ZONE (UNDERGROUND EXPLORATION)

1-3442EXCUT - GEOLOGY

DATE	SCALE	N.T.S.	DRWG. NO.
23 AUG 1986	1:50	092B/13W	[illegible]

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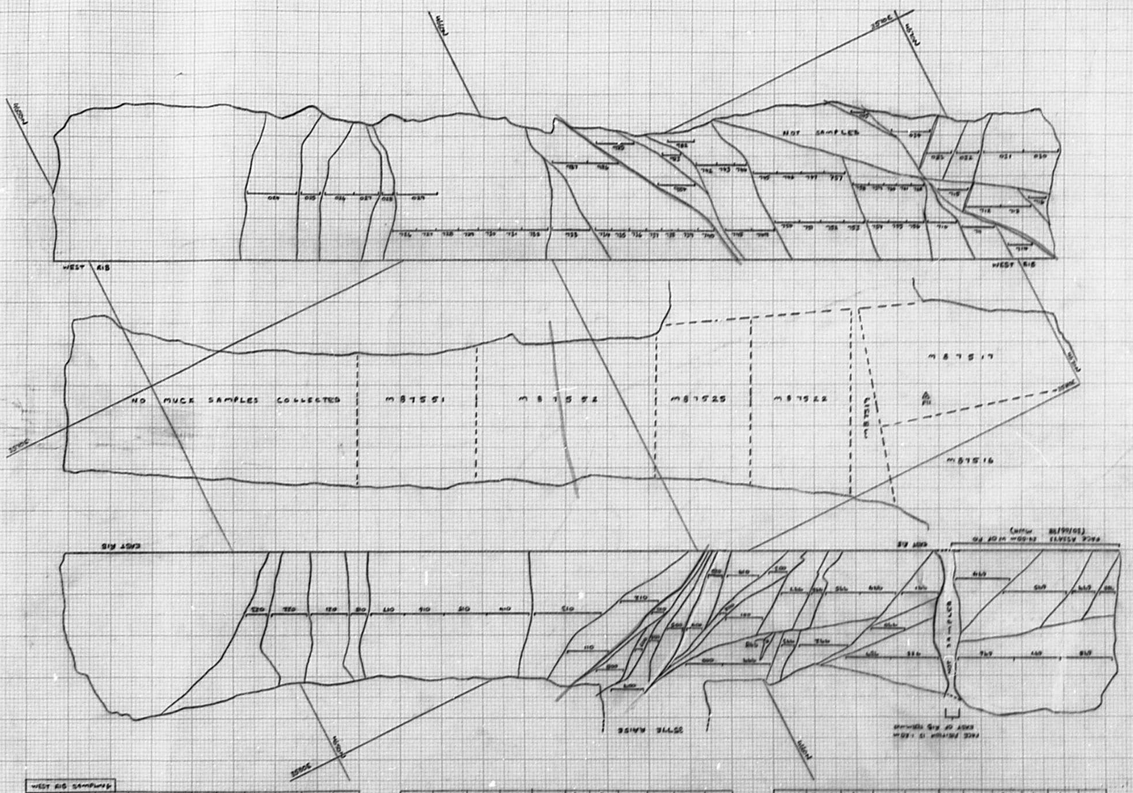
Richmond Reproduction Centre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WEST RIB
EAST RIB
NO MUCK SAMPLES COLLECTED
M8755I
M8755E
M8755
M8755W
M8755E
M8755W
M8755E
M8755I7
M8755I6
CROSS CUT
SILL
EAST RIB
WEST RIB
SOUTH
NORTH
EAST RIB
WEST RIB
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NORTH
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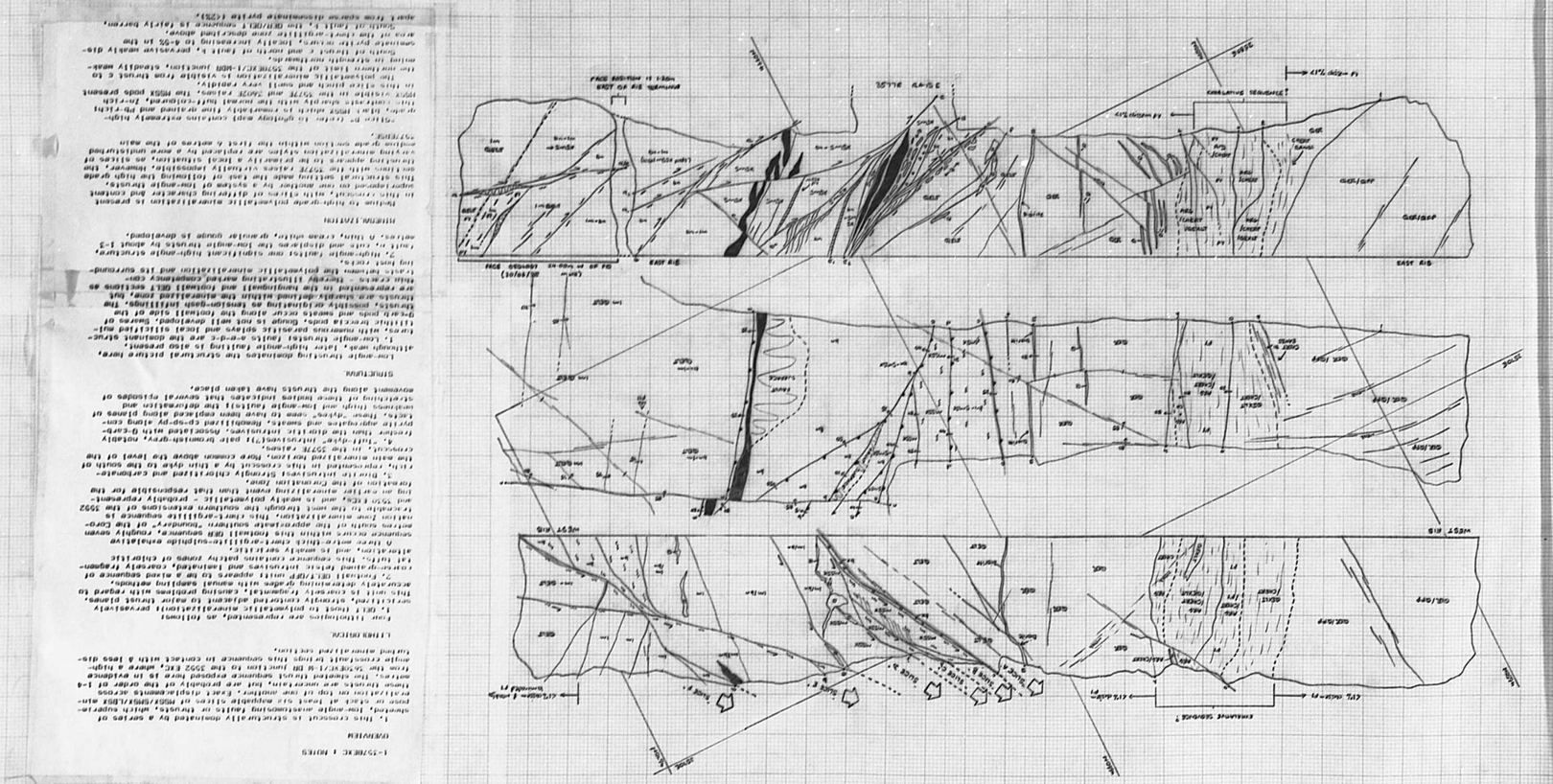
WEST RIB
SOUTH
NORTH

MICRODOX 26
Retinal Reproductive Cache


LEGEND
LITHOLOGIES
STRUCTURE
ALTERATION-ENHANCED
GEOMORPH.
Qtrn
Qha
Qls
Qfp
Qfs
Qm
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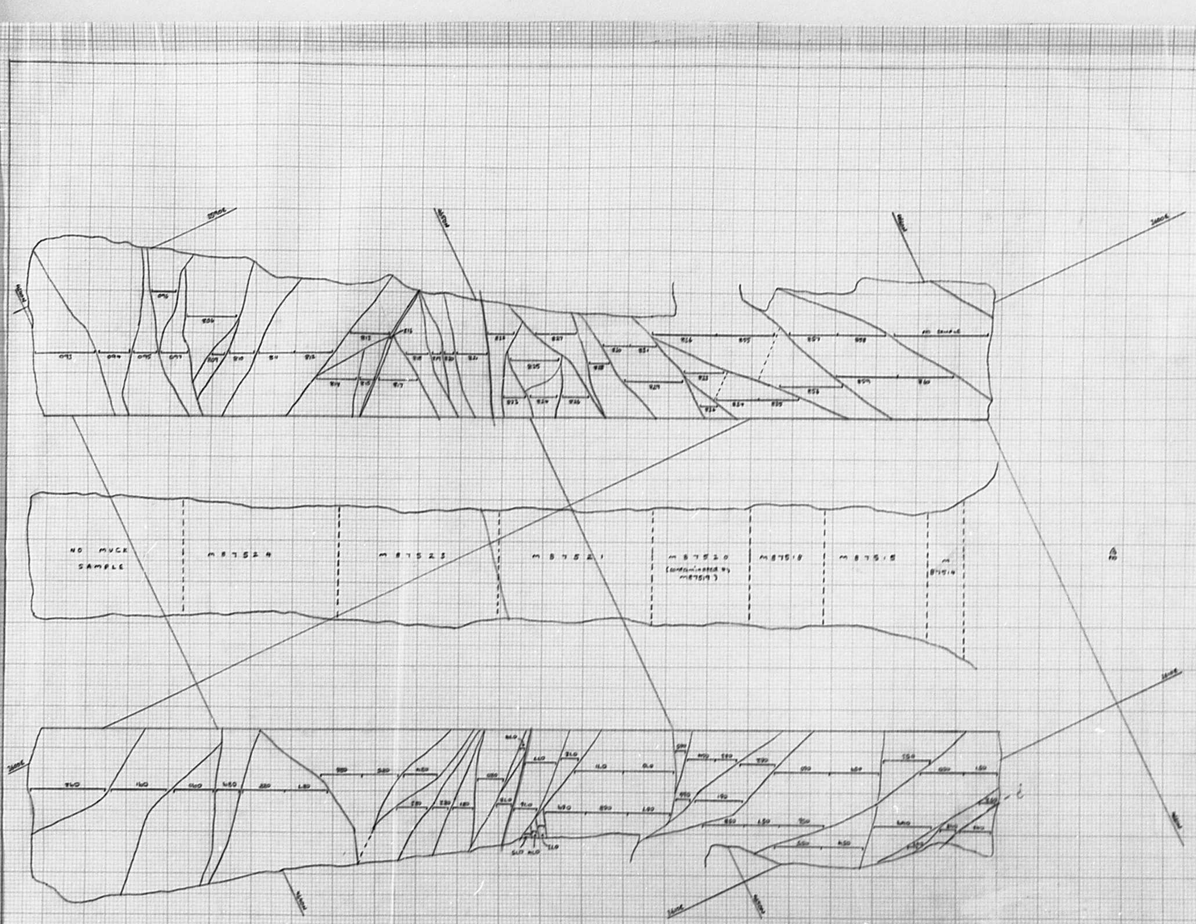
Qcc
Qls
Qha
Qtrn


NO MUCK SAMPLE
M 87521A
M 87521
M 87521
M 87521

MICROBOX 26
Diamond Rapidaflex Cable

LEGEND

LITHOLOGIES

- Camp-Trimbleur Diptych
- Camp-Erie Units / Capped Pub
- Camp-Erie "Tunnel" Kimplade
- Cambrian Dobbie Inselcine
- "Shrubbie" / Metamorphosed
- Argillite / Metasediment
- Bourge Zone.

STRUCTURES

- Polymetallic Zone, upper (U) contact
- Polymetallic Zone, lower (L) contact
- Fault, Dip Direction and Dip
- Fault, Dip Direction and Dip
- Cambrian
- Iron oxide / Pyrite Zonation
- Pronounced Green Cambrian Basin
- Basement

ALTERATION

- Pervasive Dolomite
- Silicification/Jasperoid
- Intermittent Dolomite
- Banded Dolomite
- Epidote
- Pervasive Epidote
- Pervasive Dolomite
- Pink Calcite / Late
- Quartz-Carbonate Hydrothermal

OTHER

- Survey Monument
- Drill Hole
- Diamond Drilling Intercept
- Trench (Sample) Intercept

LABRA PROJECT	UNDERGROUND EXPLORATION
600 LEVEL	
I-3606E XCUT	
GEOLOGY	
DATE: OCT. 1988.	SCALE: 1:50
NTS: 92B/13	DRAWING NO: XIW-G/79WN

TO ACCOMPANY REPORT NO. ——— BY ———

0 1 2 3 4 5m

FMPL Copy

3606 EXC - NOTES

Stratigraphy:

1. Source of Fault J (S22): barren SE/VP, cut by numerous quartz-filled structures and thin mafic dykes.
2. Between Faults J (S22) and C (approx position of D2): sheared and structurally complex. Banded to SMSK DS2+. The mineralization variety improves in this zone to due to faults offsetting and fracturing mineral characters and contacts (wide variations of banding orientation occur over very small distances (<1m), indicating pockets/hazards when interpreting drill core mid-to-wedding angles).
3. North of Faults I (S22) and C (approx position of D2): sheared and structurally complex, no distinct fault contact with barren hanging wall QLP. Sulphide contents decreases rapidly north of Faults C, becoming mainly pyritic (up to 5% locally).

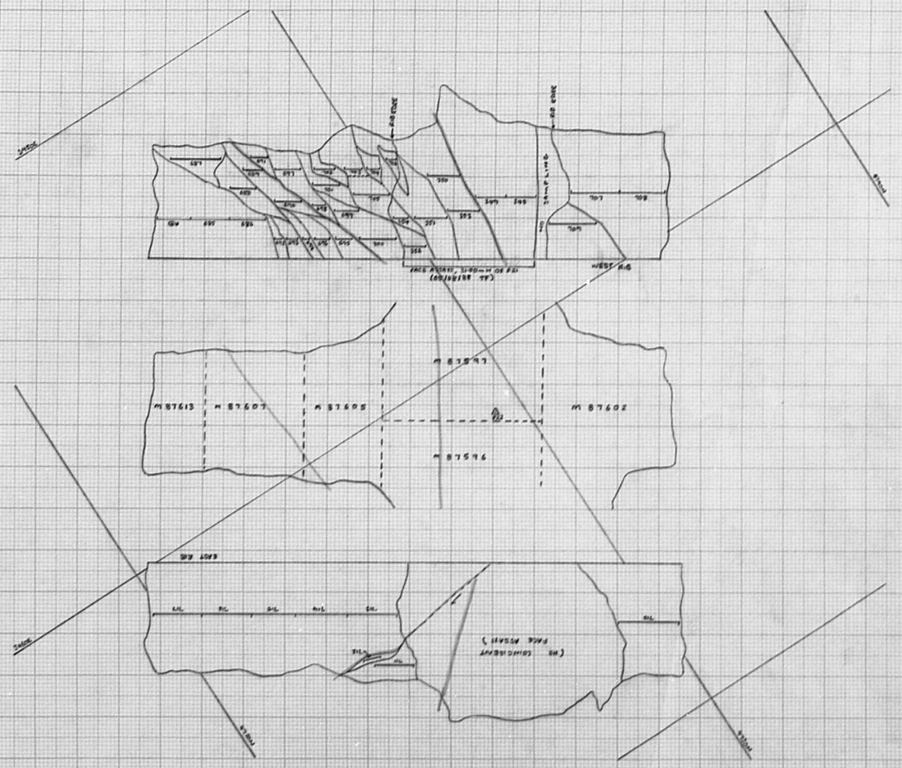
Structure:

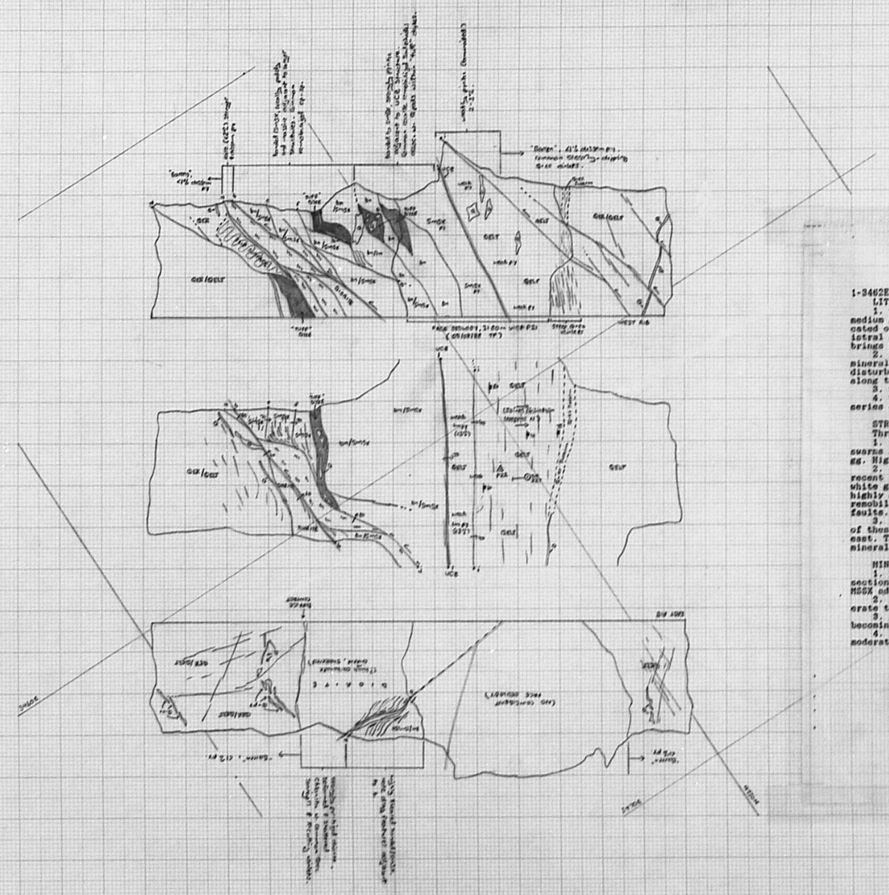
1. The structural history evident in the I-3606E/C is complicated by the close proximity of faults with a variety of orientations and kinematics. Two major fault zone interpreted at the I-3606E and two brits junction. Both major zone has produced evidence of numerous graphitic splays and satellite shears in the normally blocky and competent Goswell QLP. It is also possible that the displacements of mineralized zones within the polymetallic zone.

2. Faults J (S22) separates two distinct structural domains:
   - North of it: steep (70°+) beers and faults with steeper low angle (50°+) splays. These structures are oriented to south/sw dipp.
   - North of it: Main Dioritic Hornfelsed zone, dominated by low angle faulting (<20°) with substantial steep faulting. Sodium presence of quartz.

Mineralization:

1. South of Faults I (S22): barren SE/VP, rare (<1%) disseminated pyrite.
2. North of Faults J (S22): Mineralization variety improves to 5% zone to due to faults offsetting and fracturing mineral characters and contacts (wide variations of banding orientation occur over very small distances (<1m), indicating pockets/hazards when interpreting drill core mid-to-wedding angles).
3. North of Faults C: Sulphide contents decreases rapidly with depth.


EAST RAMP
EAST RAMP
EAST RAMP



1-3462EXC : NOTES

LITHOLOGICAL

1. This crosscut exposes a fault-bounded wedge of low to medium grade, banded to SMSX polymetallic mineralization, truncated obliquely to the south by the crossfault swarm j-b-a (sinistral displacement, approx 2.5mslip-strike movement). This faulting brings the mineralization against weakly pyritized mafic diorite.

2. Dislocate pods of "tuff-dyke" material occur within the mineralized zone, associated with areas of intense structural disturbance. Coarse remobilized sulphides and q-carb sweats occur along the margins and within these bodies.

3. The LCZ contact is not seen in this crosscut.

4. The UCZ is a fault contact, fault 1, recognised by a tight series of braided chloritic splays over 3-5cm.

STRUCTURAL

Three fault sets are evident:

1. "Coronation-trend" faults: weakly developed fracture swarms and Q-carb veins, running parallel to fault 1 (UCZ). Rare gg. High angle (65+).

2. "Crossfault" swarm j-b-a: high angle (75+), relatively recent faults, with multiple splays and fracture zones. Cream-white gouge zones are common. Fracture zones contain lenticular, highly contorted, mineralized and barren QELT fragments. Common remobilized massive pyrite pods occur along the traces of these faults.

3. Low-angle (conjugate) faults, reverse: minor development of these thrusts in this crosscut, becoming more prominent to the east. Tend to locally disrupt and brecciate blocks of banded mineralization, with limited rotation of these blocks.

MINERALIZATION

1. Between fault 1 and faults j-b-a: low to medium grade section of banded to locally SMSX polymetallics, becoming poddy MSSX adjacent to major structures (remobilization?)

2. northern 1.5m of mineralized zone, south of fault 1: moderate to strong banded pyrite, notably depleted in sp-cp.

3. north of fault 1: locally weak, laminated pyrite, rapidly becoming barren northwards.

4. south of faults j-b-a: weakly pyritic to barren, locally moderately pyritic within the mafic dyke body.

LEGEND

LITHOLOGIES

- QFP — Quartz-feldspar Porphyry
- QELT — Quartz-Eye Lithic / Crystal Tuff
- QER — Quartz-Eye "Domal" Rhyolite
- Chloritized Diorite intensive
- "Tuff Dyke" / metasediment
- Argillite / metasediment
- Gouge Zone.

STRUCTURE

- Polymetallic Zone, upper (+1) contact
- Polymetallic Zone, lower (5) contact
- Fault, Dip Direction and Dip
- Shearing
- Low angle, reverse fault
- movement sense across fault
- br — brecciation

MINERALIZATION

- Massive Sulphide
- SMSX — Semi-massive Sulphide
- bn — banded Sulphides
- lm — laminated Sulphides
- py — pyrite QELT / QER
- QCC — Quartz-carbonate aggregates.

GENERAL

- P21 — Survey Station
- D12 — Diamond Drillhole intercept
- S15 — Testhole (Sackley) intercept

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO ..... BY .....

LARA PROJECT	UNDERGROUND EXPLORATION		
600 LEVEL 1-3462 E XCUT GEOLOGY			
DATE	SCALE	NTS	DRAWING NO.
OCT. 1988.	1:50	928/13	XBul-Cu/mwm

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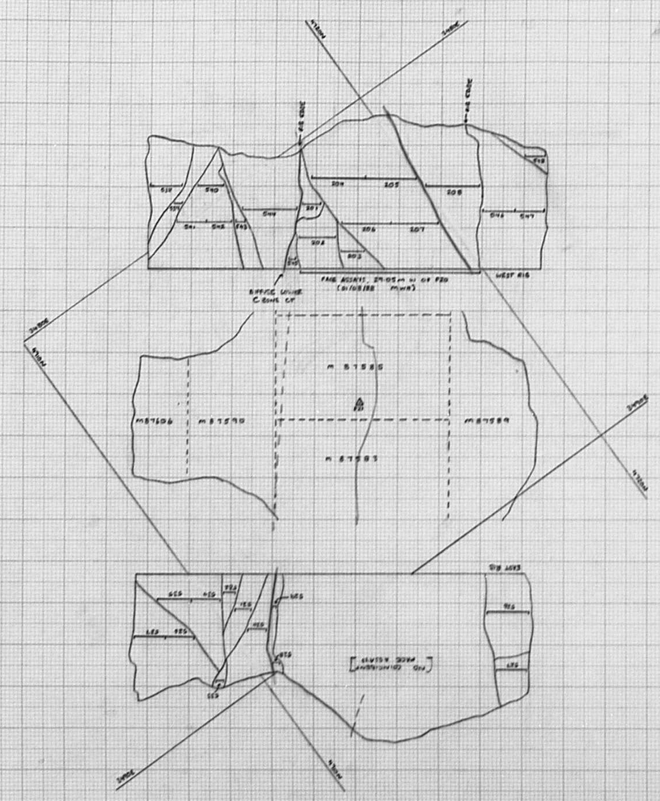
FAULT
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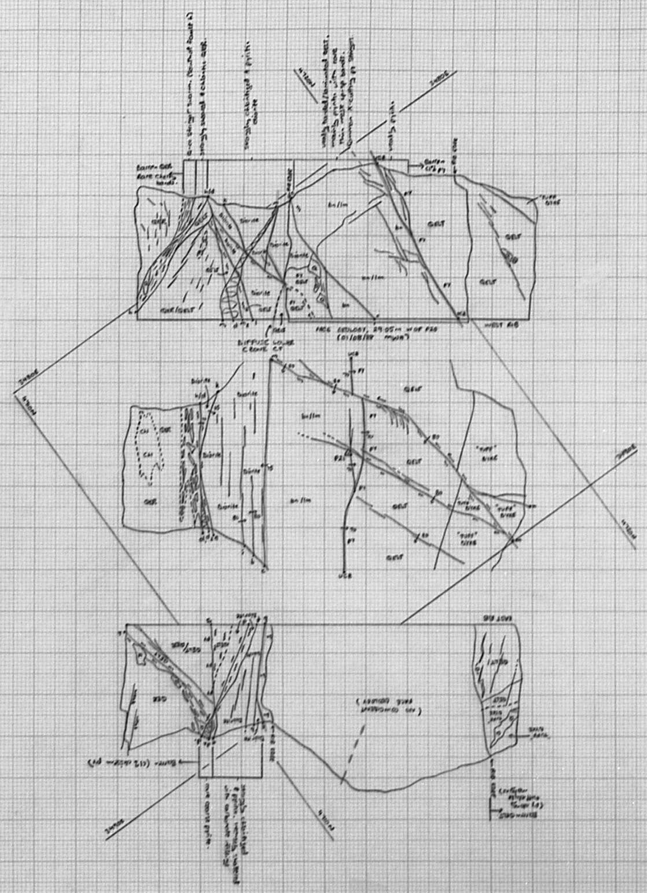

1-3486EXC : NOTES

LITHOLOGICAL

The position of this crosscut is such that the majority of the polymetallic zone is exposed in the back of the west drift. The zone here is relatively thin and low grade, withy locally strong pyritic mineralization associated with a mafic diorite intrusion along the footwall LCZ contact of the zone.

Four distinct lithologies are represented:

1. QFR, south of fault h-d: grey-green, blocky and massive "domal" rhyolite, with local patchy chloritic alteration and irregular bleaching adjacent to dyke margins. Weakly pyritic (disseminate). Rare thin ?cherty bands.

2. QELT, north of fault h-d: well foliated and locally blocky lithic tuff, pervasively sericitized and mildly sheared. Hosts polymetallic mineralization. Coarse fragmental nature of this unit is reflected in the banding and brecciation patterns of the mineralization, whereby py-cp-sp bands wrap around and enfold barren QFR fragments.

3. "Tuff-dyke": This unit resembles a deformed metasediment in this area. Brownish-grey, fine-grained and locally silicified. Sharp contacts. Common Q-carb sweats and pods, as well as minor coarse remobilized sulphides along its contacts.

4. Dioritic intrusive: dark green, strongly chloritized. Shattered and weakly pyritic along fracture surfaces.

STRUCTURAL

Two fault sets are evident:

1. "Coronation-trend" faults b-c-UCZ-d-e-h: 60 to 70 dip. Sharp, with little gg development. Local parasitic splays. UCZ is a strong feature consisting of a series of braided chloritic splays over about 3-5cm width.

2. "Crossfaults" m-n: high angle (70+) with local cream-white gg development to 5cm width. Sinistral offsets seem to be all less than 0.25m.

MINERALIZATION

1. Between faults c-UCZ: moderate banded to laminated polymetallic sequence, locally lead-enriched (patchy). Common coarse, crosscutting pyrite stringers.

2. Within footwall mafic dyke unit: locally strong disseminate pyrite, to 8-10%. Coarsely crystalline pyrite along fractures.

3. North of UCZ: Weak laminated pyrite, well foliated, <2-3% py. Pyrite content decreases rapidly to the north.

4. South of mafic dyke: Barren QFR, <1% disseminate py.

LEGEND

LITHOLOGIES

- QFP — Quartz-feldspar Porphyry
- QELT — Quartz-Eye Lithic / Crystal Tuff
- QER — Quartz-Eye "Domal" Rhyolite
- Chloritized Diorite intrusive
- "Tuff Dyke" / metasediment
- Argillite / metasediment
- Gouge Zone.

STRUCTURE

- Polymetallic Zone, upper (+?) contact
- Polymetallic Zone, lower (?) contact
- Fault, Dip Direction and Dip
- Shearing
- low angle, reverse fault
- movement sense across fault
- Brecciation

MINERALIZATION

- massive sulphide
- Semi-massive sulphide
- banded sulphides
- laminated sulphides
- pyrite QELT / QER
- Quartz-carbonate aggregates.

GENERAL

- P21 Survey Station
- D18 Diamond Drillhole intercept
- S15 Testhole (Sackley) intercept

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO ____ BY ____

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LARA PROJECT	UNDERGROUND EXPLORATION		
600 LEVEL			
1-3486 E XCUT			
GEOLOGY			
DATE	SCALE	NTS	DRAWING NO.
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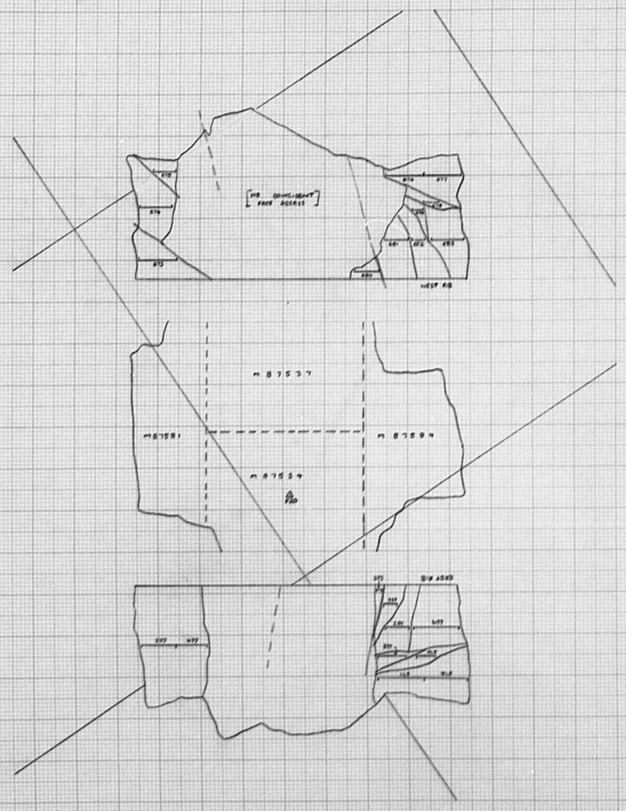

Sample Type	Sample Number	Width (m)	Length (m)	Attitude	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	S.G.
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CCA	CM1664	0.20	0.35	0	0.01	0.01	0.01	0.04	<0.002	2.8
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CCA	CM1666	0.20	0.25	0	<0.01	<0.01	<0.01	0.02	0.003	2.8
CCA	CM1667	0.20	0.60	0	0.01	<0.01	0.02	0.06	0.002	2.9
CCA	CM1668	0.20	0.80	0	<0.01	<0.01	<0.01	0.02	0.004	2.8
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CCA	CM1670	0.20	0.55	0	<0.01	<0.01	0.03	<0.02	<0.002	2.7
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CCA	CM1681	0.20	0.70	0	<0.01	<0.01	<0.01	0.05	0.002	2.8
CCA	CM1682	0.20	0.90	0	<0.01	<0.01	0.01	0.02	0.004	2.9
CCA	CM1683	0.20	0.85	0	<0.01	<0.01	<0.01	<0.02	0.002	2.7
MUCK	M87581	0.10	1.80	"	0.17	0.32	0.67	0.01	0.116	2.9
MUCK	M87583	3.75	3.10	"	0.01	0.04	0.15	0.13	0.011	2.9
MUCK	M87584	3.00	2.25	"	<0.01	<0.01	0.02	0.05	<0.002	2.9
MUCK	M87534	3.75	3.25	"	0.04	0.07	0.35	0.16	0.013	2.8

0 1 2 3 4 5 m

TO ACCOMPANY REPORT NO. ____ BY ____

ABERMIN CORPORATION

LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL

1-3508 E XCUT

ASSAYS

DATE	SCALE	NTS	DRAWING NO.
OCT. 1988.	1:50	92B/13	XCut-Alman

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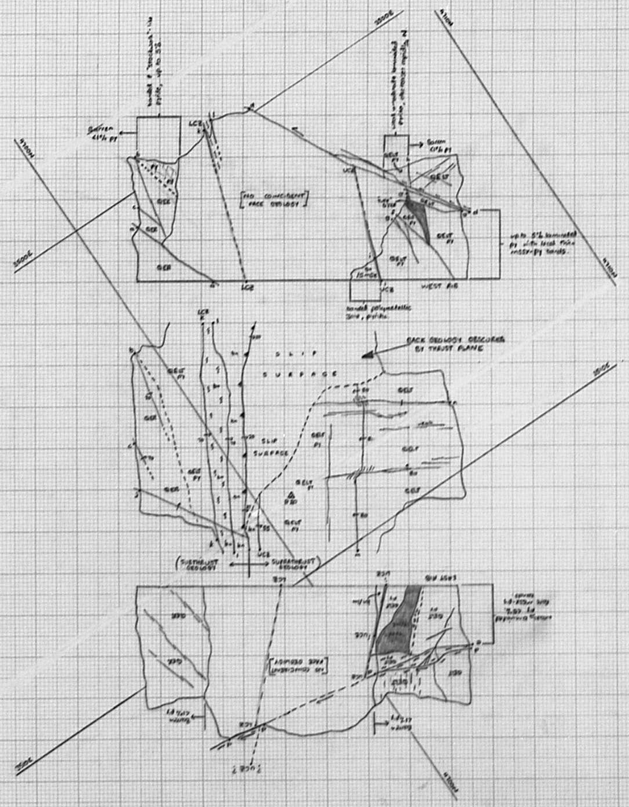

1-3508EXC : NOTES

LITHOLOGICAL

This crosscut is located in a structurally complex area of multidirectional faulting, dominated by a north-dipping low-angle fault, which offsets the polymetallic zone by about 1-2 metres at roughly head-height in the drift. This fault obscures most of the UCZ/LCZ and mineralization relationships in the back.

The majority of the polymetallic mineralization was intersected by the west drift, and is not seen in the crosscut walls.

Four lithologies were seen:

1. QEB unit, south of fault k (LCZ): greenish and bleached, coarse-grained "dacsi" rhyolite, massive and blocky, locally pyritic within one metre of the LCZ contact. Otherwise barren. Rare thin cherty bands.

2. GELT sequence, between faults-k (LCZ) and i (UCZ), below thrust plane d-e: host to the polymetallics. Strongly sheared and locally contorted, with pervasive sericitization. Multiple dislocations seen in corresponding face geology sections, producing complex banding attitudes and mixed mineralization styles. Generally low grade, banded to laminated sulphides.

3. GELT sequence, north of fault i (UCZ): greyish, well foliated and locally fragmental. weak laminated pyrite throughout section. Not as structurally complex as 2 above.

4. "Tuff-dyke" material: brownish-grey, locally resembling a contorted metasediment. Most common within faults k-i zone and on the north side of fault k, occuring as sheared interstitial "infillings" between dislocated blocks of polymetallic mineralization and as dyke-like intrusions along fault planes. Common Q-carb sweats and pods, with local coarse remobilized sulphide aggregates.

STRUCTURAL

1. Low-angle fault set: dominating feature in this crosscut. Sharp, no gg development. Chlorite-coated.

2. Fault k (LCZ): sharp, no gg development. Intense shearing on the north side for approx 20cm.

3. Fault i (UCZ): Strong feature consisting of a series of braided chloritic splays, over about 5cm. No gg development.

4. High-angle crossfaulting: weakly developed, causing only minor displacements. Do not seem to cut fault d-e.

MINERALIZATION

1. South of fault k (LCZ): Fairly barren, with local pyrite enrichment in the upper RH corner of the southwest rib, where it assumes a stockwork-like fabric. Otherwise <1%.

2. Between faults k-i: weak to moderate polymetallic mineralization, banded to laminated with local thin massive py-cp pods. Local coarse remobilized sulphides in areas of q-carb sweating and along "tuff-dyke" margins.

3. North of fault k: weakly laminated pyrite, rapidly decreasing northwards.

FINAL COPY

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO _____ BY _____

LARA PROJECT	UNDERGROUND EXPLORATION
600 LEVEL	
1-3508 E XCUT	
GEOLOGY	

DATE	SCALE	NTS	DRAWING NO
OCT. 1988.	1:50	92B/13	XGW-G/mine

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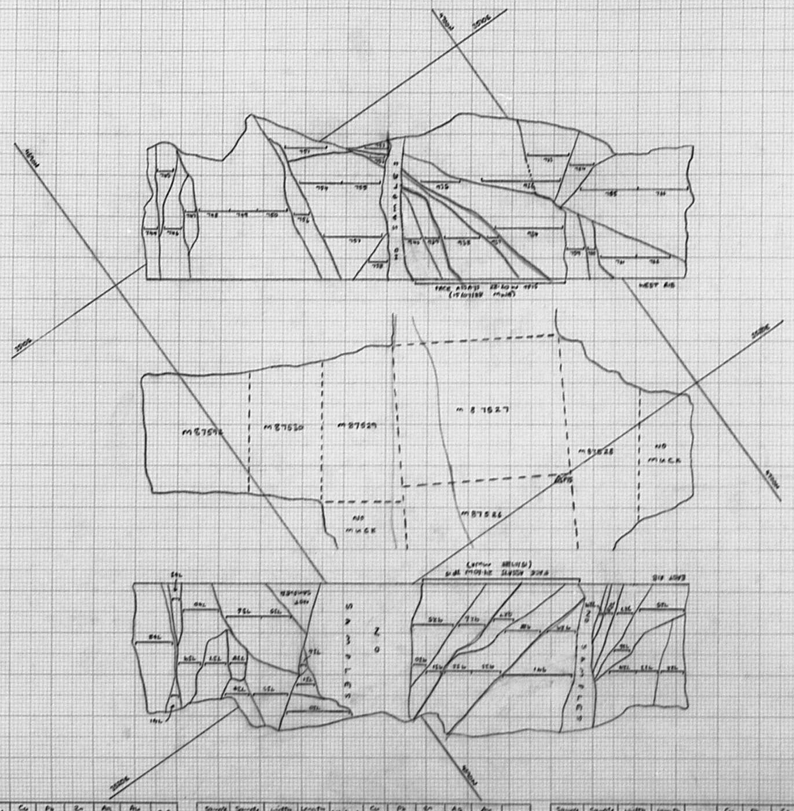
NORTH
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EAST
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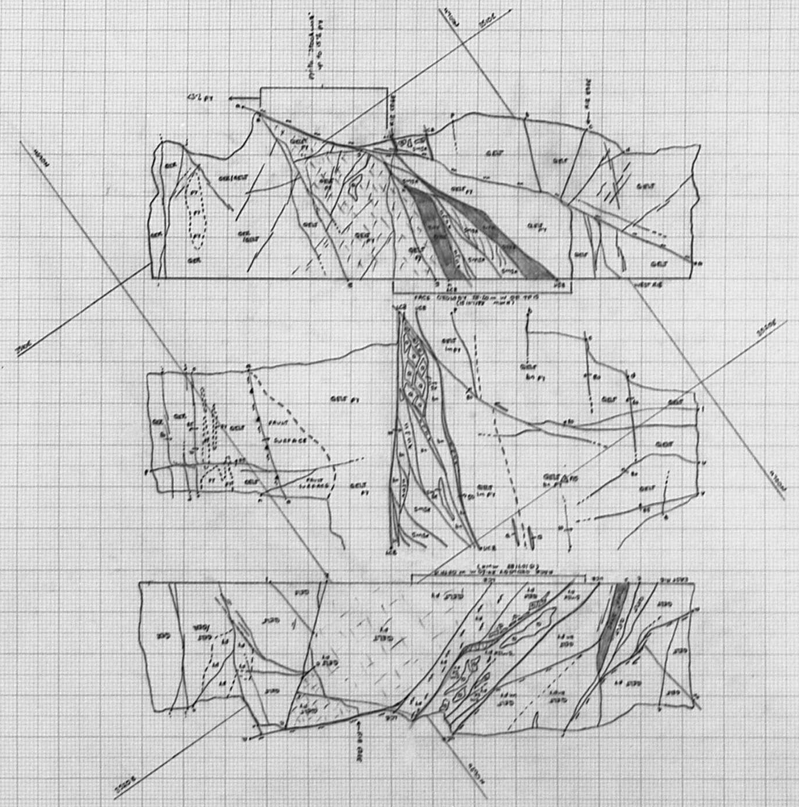

1-3516EXC : NOTES

LITHOLOGICAL

The geology of this crosscut is structurally very complex, with the polymetallic target zone being folded and offset by both high-angle crossfaults and low-angle reverse faults/thrusts. The mineralized zone thins dramatically across the crossfault, being reduced from an economic size and grade to a series of thin, discontinuous, fault-bounded pods of banded and SMSX material. The zone is also injected by "tuff-dyke" intrusives, which appear to enter the drift from the north at a high angle - roughly parallel to and along the trend of the major crossfault.

The relative ages of the high and low-angle faulting is obscure, as in the west rib the low angle thrust "truncates" the zone, while in the east rib, the two faults appear to intermingle in a complex manner.

Four lithologies are present:

1. QER/QELT sequence, south of fault e:blocky, locally bleached rhyolite sequence, containing subvertical chert/pyrite bands (discussed below).

2. QELT unit, between faults e-h: strongly pyritic lithic tuff, in which pyrite occurs as a series of multidirectional stringers which gives the rock the appearance of a "pseudobreccia". Locally silicified.

3. QELT/"tuff-dyke" shear zone, between faults h-b (below fault a): polymetallic zone, injected along its "contacts" by grey-brown, Q-carb-rich intrusive material. The zone is strongly sericitic and sheared. Numerous crosscutting pyrite stringers and subparallel q-carb veinlets.

4. QELT, north of fault b (below fault a): weakly laminated and banded, well-foliated lithic tuff. Relatively undeformed.

The QELT/QER sequence south of the LCZ contact contains thin chert bands, overlain by laminated pyrite; these sections have a weak polymetallic signature, and may represent an earlier exhalative event than that which formed the Coronation Zone mineralization.

STRUCTURAL

1. The major high angle crossfault swarm enters the drift from the north, and seems to turn and run along the polymetallic zone, causing intense shearing and deformation. Gouge pods up to 10cm wide occur, as well as minor brecciation.

2. UCZ/LCZ contacts are only seen in face geology sections, where they are represented by high-angle splays of the crossfaulting. No gg development.

3. Low-angle fault a: No gg development, very sharp.

MINERALIZATION

1. Polymetallic zone (from face geology): dislocate, moderately to strongly mineralized pods, showing complex banding contortions and brecciation. Intermingled with and bounded by "tuff-dyke" bodies, which have common remobilized sulphides and Q-carb aggregates along their margins.

2. South of LCZ, north of fault e: stronglypyritic, in thin, crosscutting, stockwork-like stringers.

3. South of fault e: Fairly barren, with rare thin chert/pyrite bands. Overall <3% pyrite.

4. North of UCZ: up to 3% laminated and rarely banded pyrite.

LEGEND

LITHOLOGIES

QFP	Quartz-feldspar Porphyry
QELT	Quartz-Eye Lithic / Crystal Tuff
QER	Quartz-Eye "Dacite" Rhyolite
	Chloritized Dacite intrusive
	"Tuff-Dyke" / metasediment
Arg	Argillite / metasediment
	Gouge Zone.

STRUCTURE

	Polymetallic Zone, upper (+) contact
	Polymetallic Zone, lower (-) contact
	Fault, Dip Direction and Dip
	Shearing
	Low angle, reverse fault
	Movement sense across fault
bx	Brecciation

MINERALIZATION

	massive sulphide
SMSX	Semi-massive sulphide
bn	banded sulphides
lm	laminated sulphides
py	pyrite QELT / QER
Q-ar	Quartz-carbonate aggregates.

GENERAL

△P31	Survey Station
⊙DX	Diamond Drillhole Intercept
⊙S15	Testhole (Sackley) Intercept.

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO ——— BY ———

LARA PROJECT	UNDERGROUND EXPLORATION		
600 LEVEL 1-3516 E XCUT GEOLOGY			
DATE	SCALE	NTS	DRAWING NO.
OCT. 1988.	1:50	92B/13	X5yb-15/mvw

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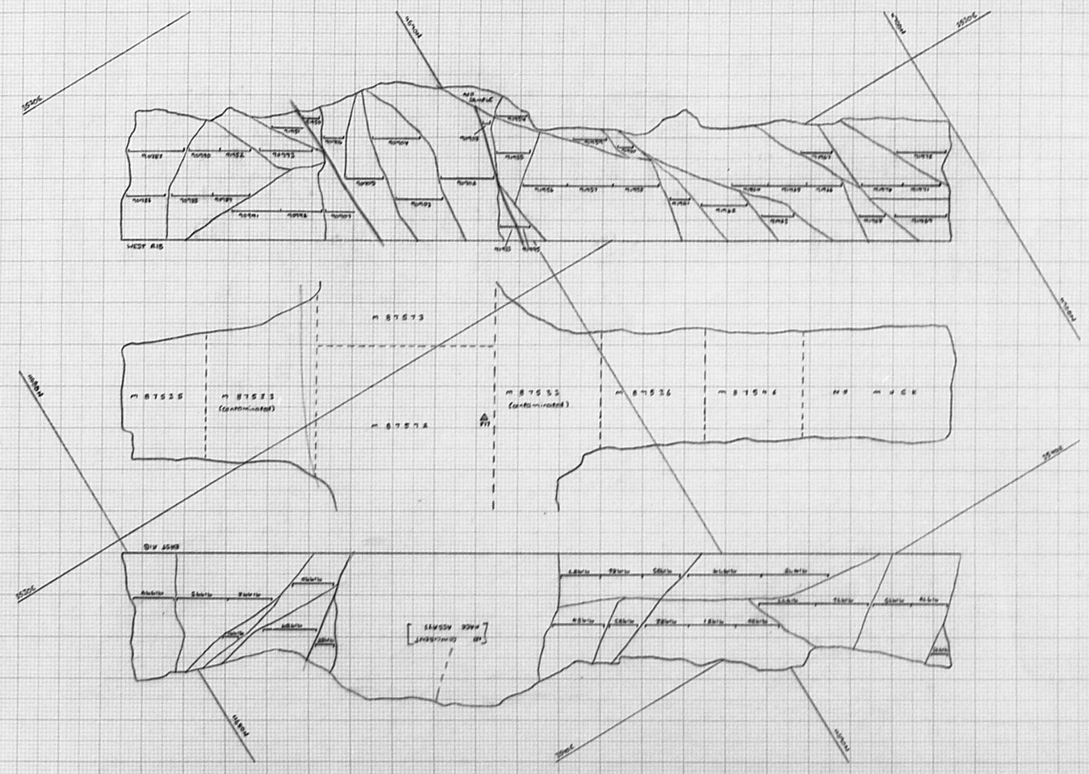
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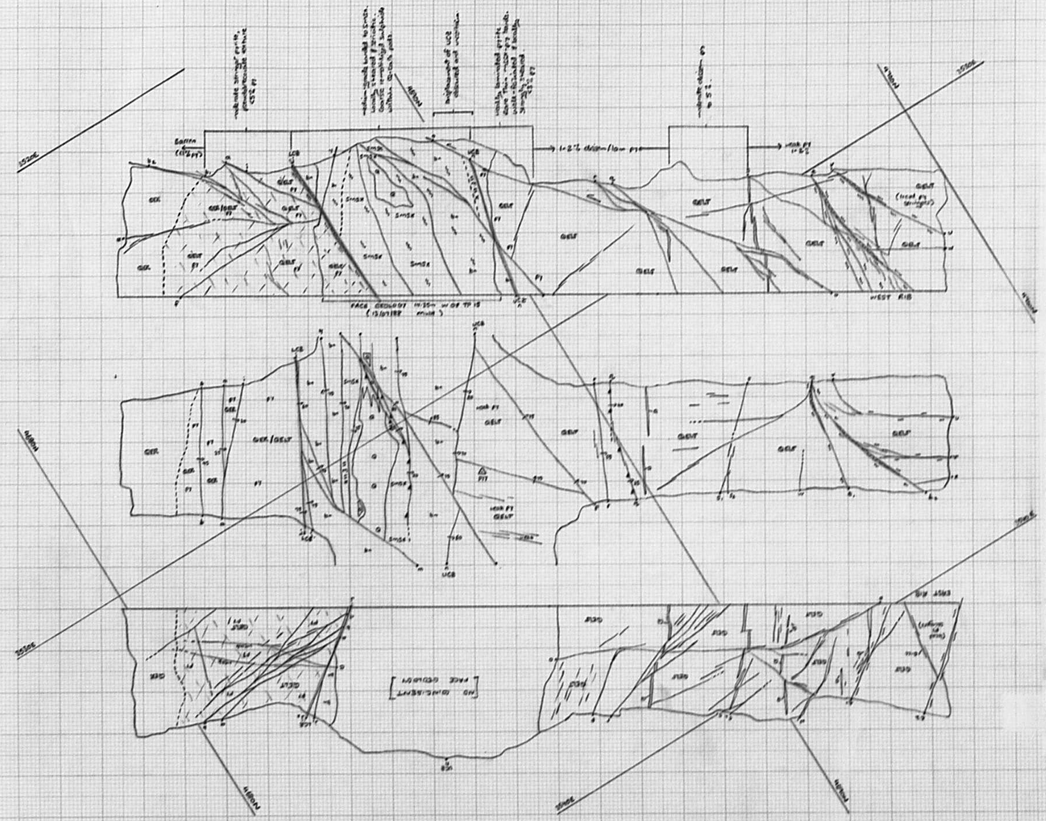

I-3530EXC : NOTES

LITHOLOGICAL

This crosscut intersects a low to medium-grade, faulted section of the polymetallic target mineralization. Three lithologies are present:

1. South of fault j: GER/GELT sequence. Blocky and moderately pyritic, with the % pyrite decreasing rapidly to the south. Patchy chloritic alteration.
2. Between faults j-n: highly sheared and sericitized GELT unit, locally coarsely fragmental. Common coarse Q-carb-sulphide pods, up to 0.75 x 3.0m in size.
3. North of fault n: well-foliated GELT sequence, variably pyritic. Common subvertical Q microveins and elongate Q-carb-sulphide pods.

STRUCTURAL

The polymetallic zone exposed here is mildly offset by a number of high-angle crossfaults, which tend to juxtapose blocks of mineralization with differing characters and mineral proportions.

The crosscut is also located at the hinge of a low-angle structure, fault o, which increases in significance to the west (this structure is visible in the 3516E, 3508E, and 3486E crosscuts).

Three faults sets are evident:

1. "Coronation-trend" high-angle faults: cut by crossfaults. No gg development, sharp. Fault n (UCZ) consists of a series of braided, chloritic splays, over approx 3-5 cm total width Fault j (LCZ) is sharp, no gg.
2. High-angle crossfaults: brittle and splintery, with local cream-white, fragmental gg development. Common subparallel Q stringers.
3. Low-angle faults o-s-t-u: weak. No gg development. Sharp.

MINERALIZATION

Relatively thin, low-grade polymetallic mineralization, exposed almost exclusively in the back of the west drift; minor expression in crosscut ribs.

1. South of fault j (LCZ): area within 4 metres of fault j is moderately pyritized, with the pyrite occuring as multidirectional stringers - giving the rock a "pseudobrecciate" texture. This zone appears to be locally silicified.

South of the pyritic zone, the GELT sequence is fairly barren, with <1% disseminate pyrite.

2. Between faults j (LCZ) - n (UCZ): banded and laminated polymetallic mineralization, with thin, black MSSX pods and bands interspersed with lower-grade material. Higher grade mineralization is located beside and within the larger Q pods.
3. North of fault n (UCZ): variably pyritic, decreasing rapidly to the north. Laminated with rare, thin MSSX-py bands. Isolate zone of coarse pyrite stringers, up to 5%, at the north terminus of the crosscut.

LEGEND

LITHOLOGIES

GFP	Quartz-feldspar Porphyry
GELT	Quartz-Eye Litic / Crystal Tuff
GER	Quartz-Eye "Dorsal" Rhyolite
	Chloritized Dioritic Intrusive
	"Tuff Dyke" / metasediment
Arg	Argillite / metasediment
	Gouge Zone.

STRUCTURE

	Polymetallic Zone, upper (N) contact
	Polymetallic Zone, lower (S) contact
	Fault, Dip Direction and Dip
	Shearing
	Low angle, reverse fault
	Movement sense across fault
bx	Brecciation

MINERALIZATION

	Massive Sulphide
SMSX	Semi-massive Sulphide
bn	banded Sulphides
lm	laminated Sulphides
py	pyrite GELT / GER
Q-CX	Quartz-carbonate aggregates.

GENERAL

△P21	Survey Station
⊙D18	Diamond Drillhole Intercept
⊙S15	Testhole (Sackley) Intercept.

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO ____ BY ____

Needs GST Summary

LARA PROJECT	UNDERGROUND EXPLORATION		
600 LEVEL I-3530 E XCUT GEOLOGY			
DATE OCT. 1988.	SCALE 1:50	NTS 92B/13	DRAWING No. XHW-G/Plans

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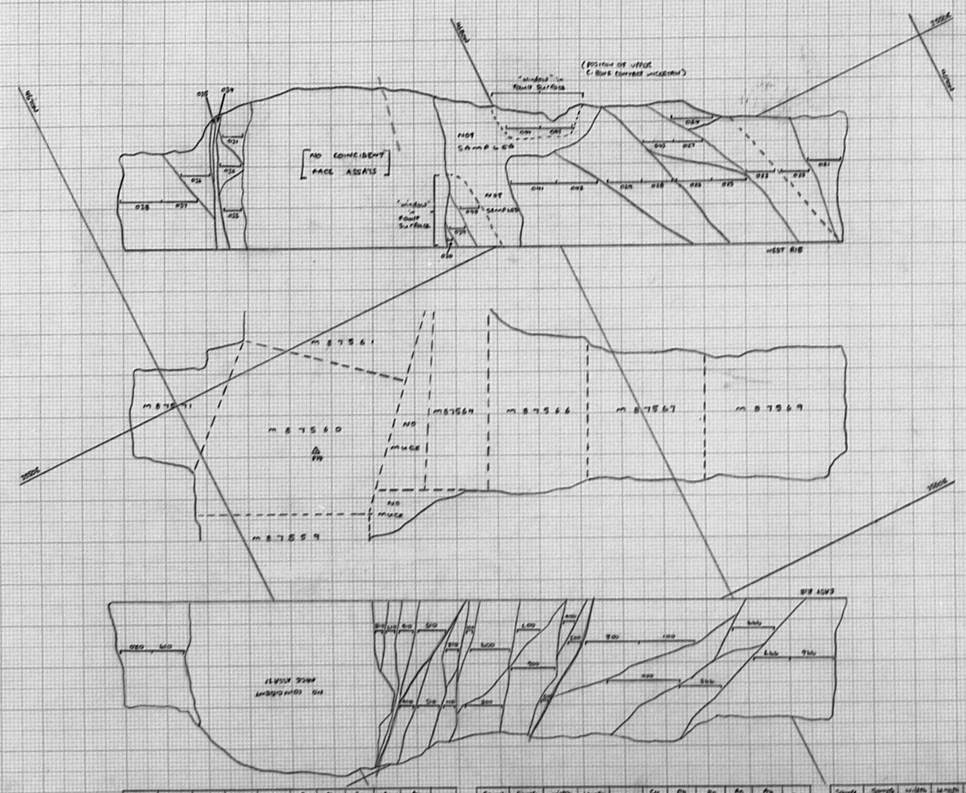

Sample Type	Sample no.	Width (m)	Length (m)	Methods	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	SG
CCH	CH1001	0.20	1.00	0	40.01	40.01	0.03	40.01	0.002	2.7
CCH	CH1002	0.20	1.00	0	40.01	40.01	40.01	0.02	0.005	2.7
CCH	CH1003	0.20	1.00	0	40.01	40.01	0.02	0.04	0.007	2.7
CCH	CH1004	0.20	1.00	0	40.01	40.01	0.02	0.03	0.006	2.8
CCH	CH1005	0.20	1.05	0	40.01	40.01	0.02	0.03	0.005	2.7
CCH	CH1006	0.20	1.60	0	40.01	40.01	40.01	40.01	0.003	2.7
CCH	CH1007	0.20	1.20	0	40.01	40.01	0.01	0.04	0.007	2.7
CCH	CH1008	0.20	1.50	0	40.01	40.01	0.02	0.05	0.018	2.8
CCH	CH1009	0.20	0.55	0	0.04	0.09	0.11	1.25	0.037	2.9
CCH	CH1010	0.20	0.35	0	0.05	0.15	0.46	1.54	0.061	2.8
CCH	CH1011	0.20	0.20	0	0.04	0.17	0.75	1.38	0.058	3.0
CCH	CH1012	0.20	1.05	0	0.04	0.23	0.55	1.09	0.036	2.8
CCH	CH1013	0.20	0.30	0	0.08	1.16	2.15	2.14	0.096	2.9
CCH	CH1014	0.20	0.20	0	0.11	0.93	1.60	2.23	0.099	2.8
CCH	CH1015	0.20	0.25	0	0.05	0.20	1.20	0.90	0.057	2.9
CCH	CH1016	0.20	0.20	0	0.11	0.16	2.53	0.21	0.099	3.0
CCH	CH1017	0.20	0.35	0	0.13	0.20	3.20	0.36	0.032	3.0
CCH	CH1018	0.20	0.30	0	0.15	0.24	1.54	0.26	0.039	2.9
CCH	CH1019	0.20	0.35	0	0.13	0.11	0.71	0.25	0.041	3.0
CCH	CH1020	0.20	0.35	0	0.23	0.21	0.54	1.38	0.156	2.9
CCH	CH1021	0.20	0.20	0	40.01	40.01	0.04	0.06	0.018	2.8

Sample Type	Sample no.	Width (m)	Length (m)	Methods	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	SG
CCH	CH1022	0.20	0.45	0	40.01	40.01	40.01	0.04	0.008	2.7
CCH	CH1023	0.20	0.30	0	40.01	40.01	40.01	0.02	0.006	2.8
CCH	CH1024	0.20	0.20	0	40.01	40.01	40.01	0.03	0.008	2.8
CCH	CH1025	0.20	0.35	0	40.01	40.01	40.01	40.01	0.002	2.7
CCH	CH1026	0.20	0.35	0	40.01	40.01	40.01	40.01	0.003	2.7
CCH	CH1027	0.20	0.55	0	40.01	40.01	40.01	0.02	40.002	2.7
CCH	CH1028	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.7
CCH	CH1029	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.8
CCH	CH1030	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.8
CCH	CH1031	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.7
CCH	CH1032	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.7
CCH	CH1033	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.7
CCH	CH1034	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.8
CCH	CH1035	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.8
CCH	CH1036	0.20	0.50	0	40.01	40.01	40.01	40.01	40.002	2.7
CCH	CH1037	0.20	0.75	0	0.02	0.13	0.29	0.73	0.016	2.9
CCH	CH1038	0.20	0.20	0	40.01	40.01	0.02	0.03	0.005	2.8
CCH	CH1039	0.20	0.20	0	40.01	40.01	40.01	0.04	0.007	2.7
CCH	CH1040	0.20	0.20	4	1.34	0.08	0.12	1.05	0.028	2.8
CCH	CH1041	0.20	0.20	0	40.01	40.01	40.01	0.03	0.008	2.8
CCH	CH1042	0.20	0.55	0	0.05	0.12	0.16	0.29	0.068	2.8
CCH	CH1043	0.20	0.45	0	40.01	40.01	40.01	0.03	0.008	2.7
CCH	CH1044	0.20	0.10	0	0.01	0.01	0.01	0.03	0.002	2.8
CCH	CH1045	0.20	0.10	4	40.01	40.01	40.01	0.02	40.002	2.7

Sample Type	Sample no.	Width (m)	Length (m)	Methods	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	SG
CCH	CH1046	0.20	0.45	0	40.01	40.01	40.01	0.03	0.002	2.7
CCH	CH1047	0.20	0.90	0	40.01	40.01	0.02	0.04	0.006	2.8
CCH	CH1048	0.20	0.90	0	40.01	40.01	40.01	0.03	0.004	2.7
CCH	CH1049	0.20	0.90	0	0.11	0.17	1.19	1.09	0.032	2.8
CCH	CH1050	0.20	0.90	0	0.26	1.48	2.91	5.02	0.085	2.8
CCH	CH1051	0.20	1.05	0	0.05	0.39	0.62	1.56	0.039	2.8
CCH	CH1052	0.20	1.05	0	40.01	40.01	0.01	0.10	0.004	2.7
CCH	CH1053	0.20	0.75	0	40.01	40.01	40.01	0.04	0.004	2.7
CCH	CH1054	0.20	0.90	0	40.01	40.01	0.07	0.08	0.004	2.8
CCH	CH1055	0.20	0.90	0	40.01	0.09	0.08	0.01	0.005	2.8
mucK	m8755 1	3.95	3.10	"	"	0.01	0.02	0.13	0.07	0.0009	2.7
mucK	m8756 1	5.50	"	"	"	0.03	0.05	0.16	0.05	0.003	2.7
mucK	m8756 0	4.10	3.75	"	"	0.01	0.03	0.07	0.02	0.002	2.7
mucK	m8755 9	4.50	"	"	"	0.01	0.02	0.03	0.02	0.002	2.7
mucK	m8756 4	4.05	1.90	"	"	0.08	0.18	1.26	0.91	0.016	2.9
mucK	m8756 6	5.55	2.40	"	"	0.04	0.30	0.78	0.26	0.069	2.8
mucK	m8756 7	5.10	2.80	"	"	0.04	0.11	0.61	0.45	0.012	2.8
mucK	m8756 9	3.00	3.40	"	"	0.01	0.02	0.03	0.04	0.003	2.8

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TO ACCOMPANY REPORT NO. _____ BY _____

ABERMIN CORPORATION

LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL
I-3552E XCUT
ASSAYS

DATE	SCALE	NTS	DRAWING NO.
OCT. 1988	1:50	92B/13	Cbd-A/Fwve

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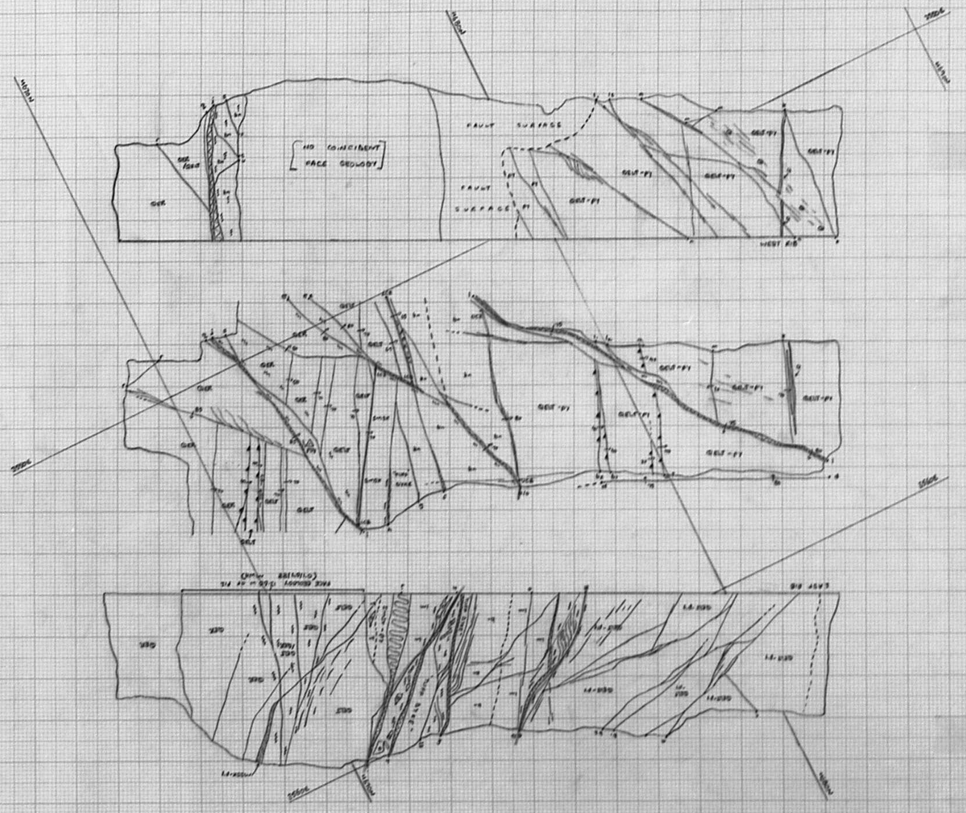


1-3552EXC : NOTES

LITHOLOGICAL

This crosscut is located in an area structurally dominated by several high-angle crossfaults. Reverse (low-angle) faulting, which is strongly evident to the east of this crosscut, is notably absent west of these crossfaults. The target mineralization, exposed in the northeast rib only, is of uncertain thickness as the zone is bounded north and south by crossfaults.

Three structural and lithological domains are present, and are as follows:

1. east and south of crossfault j: locally sheared, weakly mineralized GELT sequence, with thin MSSX-py-cp bodies bounded by and displaced by low-angle structures. Entire zone is strongly sericitic. LCI/UCI contacts difficult to discern due to reverse faulting effects.

2. west of crossfault j and south/east of crossfault l: intensely sheared within 3m of fault j. This block contains a low to medium-grade section of the target polymetallic mineralization of uncertain width, as the upper and lower contacts of the zone are formed by splays of the crossfaults. The GELT host rocks are intruded by several "tuff-dyke" bodies, which are grey-brown, blocky, and relatively undeformed; remobilized sulphides and G-carb pods occur along the "dyke's" contacts.

3. west and north of crossfault l: relatively undisturbed GELT sequence, well-foliated and weakly pyritic.

STRUCTURE

Three fault sets are evident:

1. High-angle crossfaults j-l-e-p: strong features, with local cream-white, poddy gg development. Displaces all other fault sets. These structures commonly splay and rejoin (pull-apart features?).

2. "Coronation-trend" faults: sharp, no gg development.

3. Low-angle faults a-b-n: weakly developed, splintery and brittle. No gg development

MINERALIZATION

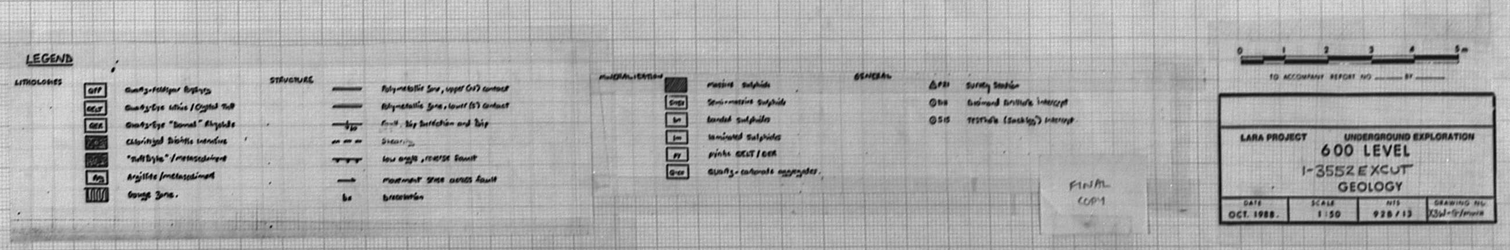
(For details of mineralization within the zone south and east of crossfault j, refer to Face Geology description 13.60m W of P12, MWH 07/07/88).

The mineralization exposed in the east crosscut rib, from the north terminus to crossfault j, is as follows:

1. north of fault e: weakly pyritic, locally forming a stockwork-like texture (up to 5-6%). Pyrite content gradually decreases to the north, to 3-5% laminated and stringer forms.

2. Between faults e and j: laminated and banded, mainly pyritic polymetallic mineralization, locally approaching SMSX (up to 15%). Sulphide bands become contorted and brecciated adjacent to the "tuff-dyke" contacts, with blocks of banded to SMSX material contained within gouge zones.

The south crosscut generally contains only weakly pyritic material (<2% disseminate and stringer py), although the upper RH corner of the west side returned weakly polymetallic assay values from a thin section to the north of fault p.



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LARA PROJECT UNDERGROUND EXPLORATION
600 LEVEL
1-3552EXCUT
GEOLOGY

DATE	SCALE	NTS	DRAWING NO.
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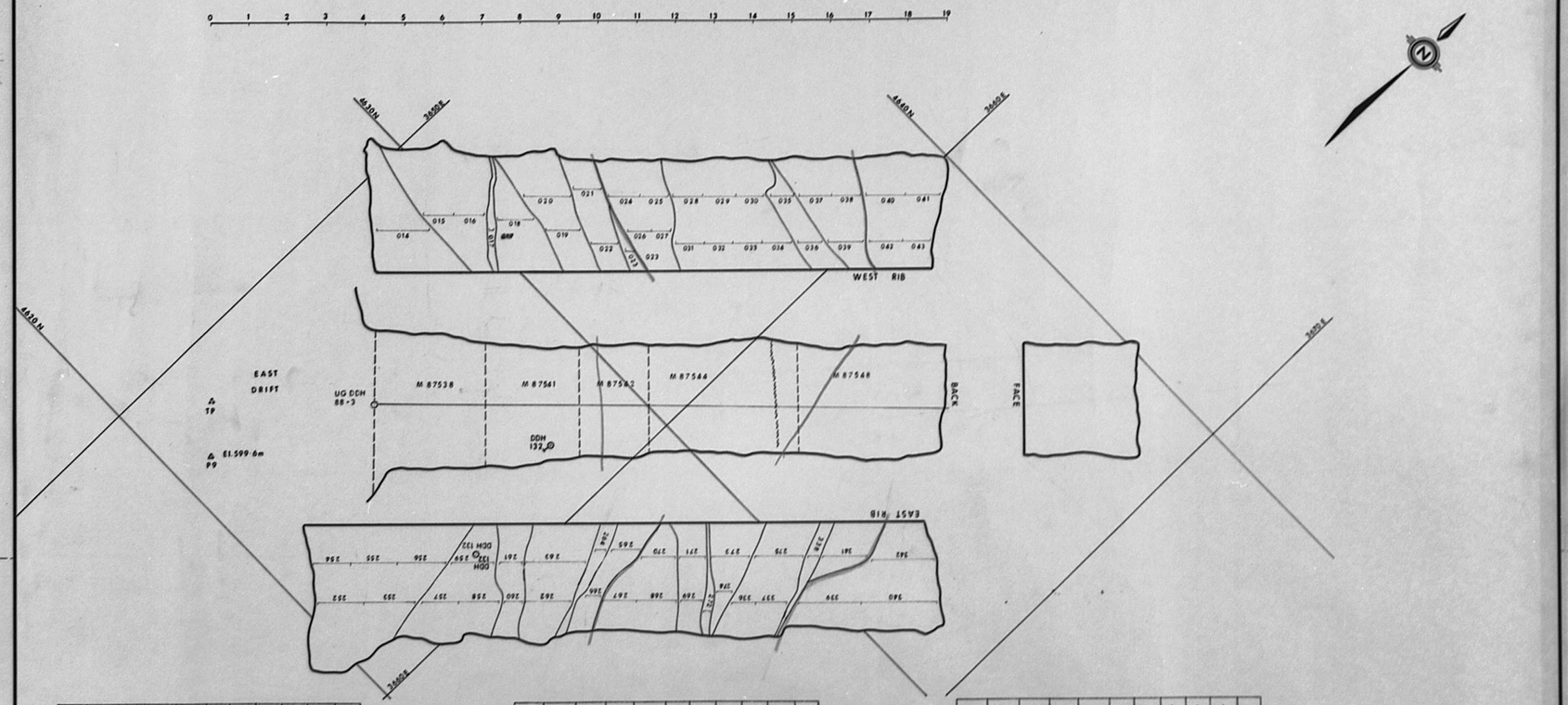

Sample Type	Sample Number	Width (m)	Length (m)	Altitude	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	%Cu x
CCH	C91014	0.20	1.10	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91015	0.20	0.85	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91016	0.20	0.85	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91017	0.20	0.20	99	<0.01	<0.01	0.05	<0.05	<0.005	2-3
CCH	C91018	0.20	1.00	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91019	0.20	0.90	0	<0.01	<0.01	0.10	<0.05	<0.005	2-3
CCH	C91020	0.20	1.25	0	<0.01	<0.01	0.01	<0.05	<0.005	2-3
CCH	C91021	0.20	0.80	0	<0.01	<0.01	0.01	0.02	<0.002	2-3
CCH	C91022	0.20	0.70	0	0.01	0.04	0.17	0.07	<0.002	2-3
CCH	C91023	0.20	0.50	0	<0.01	0.01	0.02	0.01	0.007	2-3
CCH	C91024	0.20	0.80	0	0.02	0.26	0.98	0.21	0.011	2-3
CCH	C91025	0.20	0.80	0	0.01	0.06	0.36	0.14	0.018	2-3
CCH	C91026	0.20	0.95	0	0.10	0.02	2.42	0.23	0.023	2-3
CCH	C91027	0.20	0.95	0	0.09	0.05	1.88	0.21	0.017	2-3
CCH	C91028	0.20	0.80	0	0.25	0.79	10.06	1.79	0.052	5-3
CCH	C91029	0.20	0.80	0	0.12	0.16	1.29	0.28	0.042	3-3
CCH	C91030	0.20	0.80	0	0.31	0.17	2.39	2.29	0.045	3-3
CCH	C91031	0.20	0.80	0	2.80	0.95	22.69	3.56	0.078	3-3
CCH	C91032	0.20	0.80	0	0.32	0.11	2.05	0.83	0.038	3-3
CCH	C91033	0.20	0.80	0	0.11	0.08	0.96	0.76	0.090	3-3
CCH	C91252	0.20	1.20	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91253	0.20	1.20	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91254	0.20	1.10	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3

Sample Type	Sample Number	Width (m)	Length (m)	Altitude	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	%Cu x
CCH	C91034	0.20	0.80	0	0.06	0.49	4.29	2.16	0.039	3-3
CCH	C91035	0.20	0.70	0	0.07	0.58	1.51	0.95	0.082	3-3
CCH	C91036	0.20	0.75	0	0.08	0.39	1.16	0.84	0.063	3-3
CCH	C91037	0.20	0.80	0	0.01	0.09	0.26	0.31	0.108	3-3
CCH	C91038	0.20	0.80	0	0.22	1.07	3.07	1.45	0.028	3-3
CCH	C91039	0.20	1.00	0	0.12	0.59	1.75	1.75	0.024	3-3
CCH	C91040	0.20	1.00	0	<0.01	0.01	0.02	0.04	0.004	2-3
CCH	C91041	0.20	1.00	0	<0.01	0.01	<0.01	0.02	<0.002	2-3
CCH	C91042	0.20	0.80	0	<0.01	<0.01	0.01	0.02	0.009	2-3
CCH	C91043	0.20	0.85	0	<0.01	<0.01	<0.01	<0.02	0.002	2-3
Muck	M87538	3.45	2.60	*	0.01	0.02	0.18	0.09	0.002	3-3
Muck	M87541	3.00	2.45	*	<0.01	0.01	<0.01	<0.05	<0.002	2-3
Muck	M87542	2.80	1.80	*	<0.01	0.09	0.19	0.20	0.007	2-3
Muck	M87544	2.85	3.80	*	0.06	0.21	2.63	1.80	0.205	3-3
Muck	M87548	2.95	3.80	*	0.11	0.27	0.82	0.95	0.023	2-3
CCH	C91255	0.20	1.10	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91256	0.20	1.10	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91257	0.20	0.90	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91258	0.20	0.90	0	0.02	0.18	1.25	0.14	0.005	3-3
CCH	C91259	0.20	1.00	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91260	0.20	0.90	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91261	0.20	0.60	0	<0.01	<0.01	0.02	<0.05	<0.005	2-3

Sample Type	Sample Number	Width (m)	Length (m)	Altitude	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	%Cu x
CCH	C91262	0.20	1.20	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91263	0.20	1.50	0	<0.01	<0.01	0.05	0.05	<0.005	2-3
CCH	C91264	0.20	0.35	0	<0.01	<0.01	<0.01	0.02	<0.002	2-3
CCH	C91265	0.20	0.80	0	<0.01	<0.01	<0.01	0.02	<0.002	2-3
CCH	C91266	0.20	0.50	0	<0.01	<0.01	<0.01	0.02	<0.002	2-3
CCH	C91267	0.20	0.95	0	0.01	0.06	0.11	0.28	0.006	3-3
CCH	C91268	0.20	0.95	0	<0.01	0.26	0.59	0.50	0.023	3-3
CCH	C91269	0.20	0.60	0	0.03	0.09	0.76	0.20	0.038	3-3
CCH	C91270	0.20	0.90	0	0.03	0.10	0.50	0.14	0.024	3-3
CCH	C91271	0.20	0.70	0	0.21	0.51	4.60	0.34	0.046	3-3
CCH	C91272	0.20	0.50	0	0.14	<0.01	2.63	0.28	0.019	3-3
CCH	C91273	0.20	1.10	0	0.41	0.76	7.40	1.10	0.088	3-3
CCH	C91274	0.20	0.40	0	1.22	0.83	8.00	1.50	0.184	3-3
CCH	C91275	0.20	1.20	0	0.18	0.18	1.60	1.50	0.039	3-3
CCH	C91536	0.20	0.70	0	1.68	0.19	0.56	1.96	0.110	3-3
CCH	C91537	0.20	0.70	0	0.43	0.78	9.60	2.31	0.046	3-3
CCH	C91538	0.20	0.50	0	0.04	0.16	0.44	0.44	0.048	3-3
CCH	C91539	0.20	1.60	0	16.01	<0.01	0.05	<0.05	<0.024	2-3
CCH	C91540	0.20	1.80	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3
CCH	C91541	0.20	1.45	0	0.15	0.07	1.32	3.06	0.050	3-3
CCH	C91542	0.20	1.45	0	<0.01	<0.01	<0.01	<0.05	<0.005	2-3

Field Copy

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO. ____ BY ____

ABERMIN CORPORATION

LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL
1-3653 E XCUT
ASSAYS

DATE	SCALE	NTS	DRAWING NO.
OCT. 1988	1:50	92B/13	XS-A/mm

35

20"X31 A1 PRO

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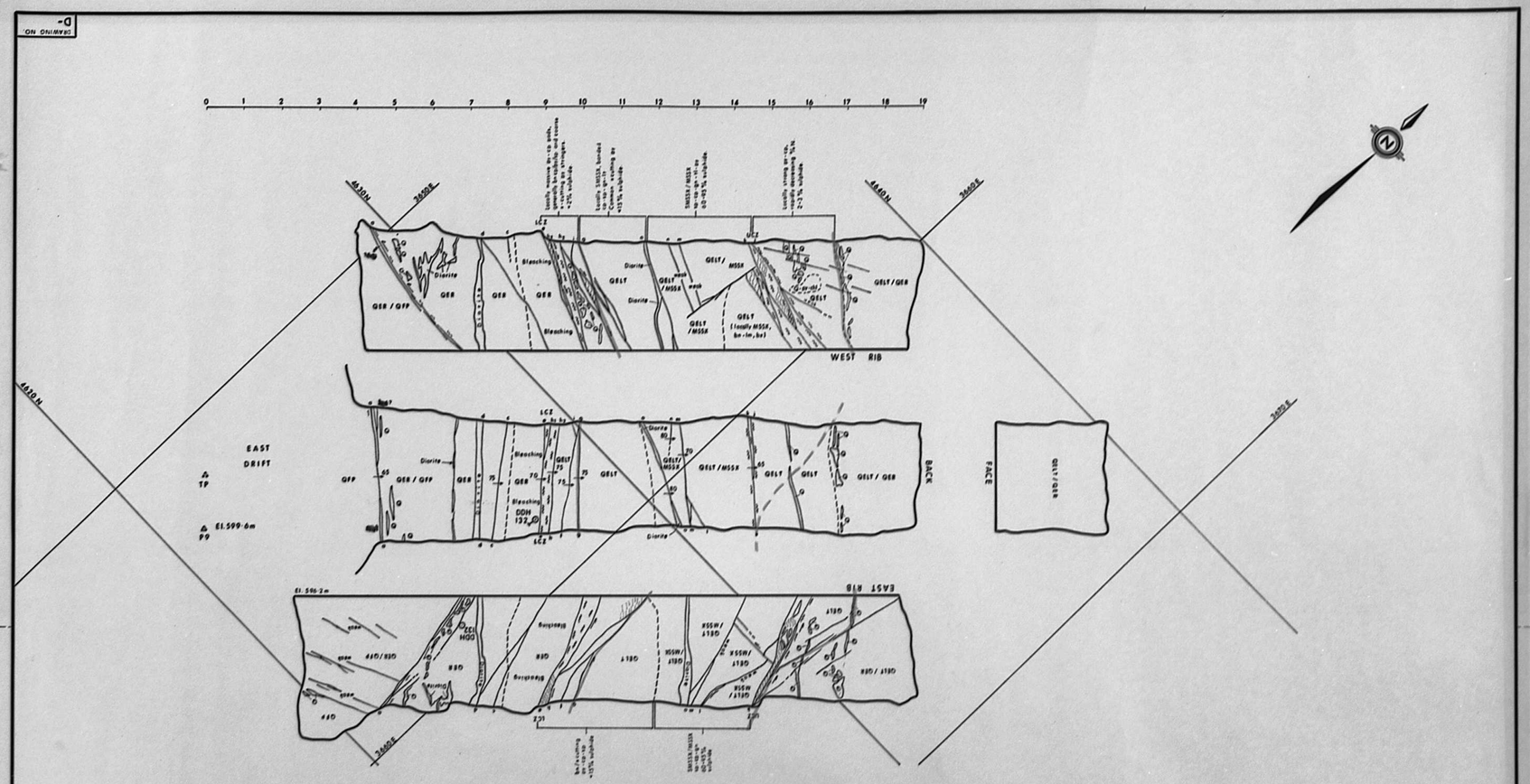

Lithological: 1. South of fault e (LCZ): transitional sequence of QFP/QER. Rare disseminate py, common Q-cc-py pods & stringers. Prominent E-W rodding texture, plunging gently east. Greenish "bleaching" zone exists within 1 m of the LCZ structural swarm.

2. Between fault e (LCZ) and k (UCZ): Structurally disturbed and rotated blocks of banded QELT. Boudinage texture locally visible. Complexly folded & faulted, with banding attitudes being locally overturned. Highly siliceous. Central SMSX zone exhibits good sulphide remobilization and zones where sulphide banding can be seen to curve around barren rhyolite fragments.

3. North of fault k (UCZ): not as obviously fragmental as the mineralized QELT zone of 2. Local py-cp-enriched pods occur within 1 m of the UCZ structure. Rapid decrease in % sulphide mineralization to the north, with rare py laminae. Local dislocate Q-cc-py pods and veins occur.

Structural: 1. Dominant faults: e-h-i-g swarm (LCZ)
j-k swarm (UCZ)

2. All other structures are relatively minor, although lack of structures in MSSX zone may indicate a more plastic deformation, suggesting that smaller fault traces may actually be of significance. Coronation Zone is openly folded (1-2 m wavelength, 20-30 cm amplitude) & locally brecciated.

3. Poor ground conditions at UCZ/LCZ. Otherwise good.

Mineralization 1. e/h/i/g/f fault swarm (LCZ zone): Intense shearing, with common Q-cc pods and sweats. Local elongate MSSX-py pods, common cross-cutting py stringers. Total sulphide is <2%, mainly pyritic.

2. Southern 3 m; north of fault e (LCZ): Brecciated SMSX and banded/laminated QELT. SMSX pods are structurally delimited and angular. Common disrupted and rotated (multidirectional) banded QELT blocks. Overall total sulphide content is <15-20%, generally cp-enriched, gn-poor; sp is pale, honey-coloured variety.

3. Northern 3 m; north of fault e (LCZ) south of fault k (UCZ): total sulphide content up to 70% (MSSX). Not as structurally disturbed as southern mineralized section (2), although zones with incipient brecciation were observed. Sp-rich, generally decreasing py-cp to the northern contact.

4. South of LCZ: generally barren, <1% dissem py.

5. North of UCZ: generally barren, locally enriched within 1 m of UCZ swarm.

0 1 2 3 4 5 m

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LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL

1-3653 E XCUT

GEOLOGY

DATE	SCALE	NTS	DRAWING NO.
OCT. 1988.	1:50	92B/13	XIE-6/mwa

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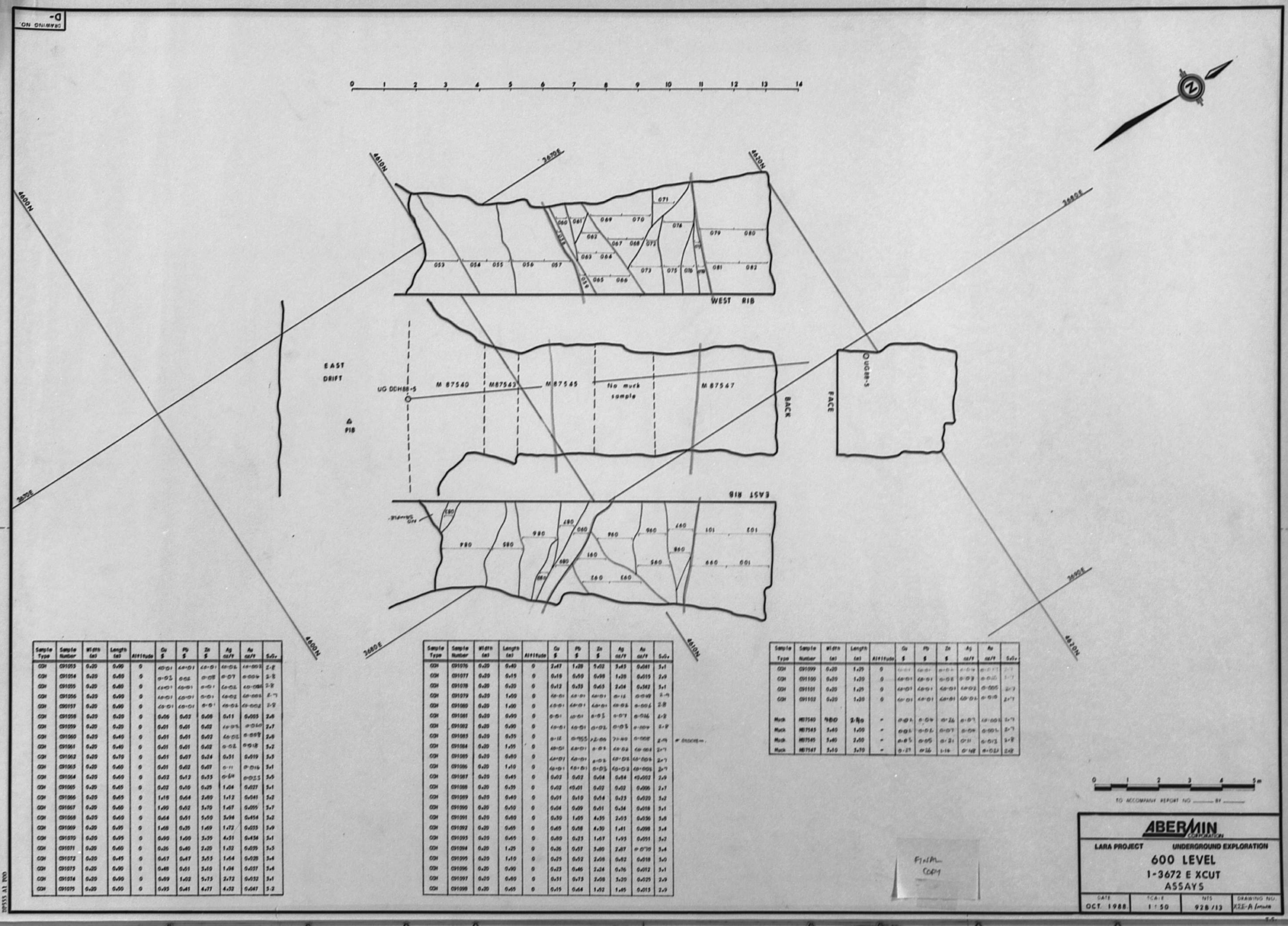
DRAWING NO D-



Sample Type	Sample Number	Width (m)	Length (m)	Altitude	Cu $	Pb $	Zn $	Ag oz/t	Au oz/t	$Eq.
CCH	C91053	0.20	0.90	0	<0.01	<0.01	<0.01	<0.002	<0.002	2.8
CCH	C91054	0.20	0.85	0	0.02	0.05	0.08	0.07	0.004	2.8
CCH	C91055	0.20	0.85	0	<0.01	<0.01	<0.01	<0.02	<0.002	2.8
CCH	C91056	0.20	0.90	0	<0.01	<0.01	<0.01	<0.02	<0.002	2.7
CCH	C91057	0.20	0.90	0	<0.01	<0.01	0.01	<0.02	<0.002	2.8
CCH	C91058	0.20	0.20	0	0.06	0.02	0.06	0.11	0.003	2.8
CCH	C91059	0.20	0.20	0	0.01	0.01	0.02	<0.02	<0.002	2.7
CCH	C91060	0.20	0.45	0	0.01	0.01	0.02	<0.02	<0.002	2.8
CCH	C91061	0.20	0.45	0	0.01	0.01	0.02	0.02	0.002	2.8
CCH	C91062	0.20	0.70	0	0.01	0.07	0.24	0.31	0.019	2.8
CCH	C91063	0.20	0.60	0	0.01	0.02	0.07	0.11	0.006	2.7
CCH	C91064	0.20	0.60	0	0.02	0.12	0.33	0.18	0.012	2.8
CCH	C91065	0.20	0.65	0	0.02	0.10	0.25	1.06	0.027	2.7
CCH	C91066	0.20	0.65	0	1.19	0.64	2.80	1.12	0.041	2.8
CCH	C91067	0.20	0.60	0	1.00	0.62	3.70	1.67	0.055	2.7
CCH	C91068	0.20	0.60	0	0.64	0.51	2.50	3.84	0.454	2.8
CCH	C91069	0.20	0.95	0	1.68	0.35	1.69	1.72	0.033	2.9
CCH	C91070	0.20	0.95	0	0.90	1.00	3.39	4.51	0.436	2.9
CCH	C91071	0.20	0.60	0	0.26	0.40	2.20	1.32	0.039	2.7
CCH	C91072	0.20	0.45	0	0.67	0.47	3.65	1.64	0.028	2.8
CCH	C91073	0.20	0.90	0	0.48	0.51	3.19	1.04	0.037	2.8
CCH	C91074	0.20	0.90	0	0.89	1.02	5.73	2.72	0.032	2.9
CCH	C91075	0.20	0.65	0	0.95	0.41	4.17	4.52	0.047	2.8

Sample Type	Sample Number	Width (m)	Length (m)	Altitude	Cu $	Pb $	Zn $	Ag oz/t	Au oz/t	$Eq.	
CCH	C91076	0.20	0.40	0	2.47	1.28	5.02	3.43	0.081	3.1	
CCH	C91077	0.20	0.15	0	0.19	0.50	0.98	1.28	0.015	2.9	
CCH	C91078	0.20	0.20	0	0.12	0.35	0.65	2.04	0.342	3.1	
CCH	C91079	0.20	1.00	0	<0.01	<0.01	<0.01	0.15	0.049	3.9	
CCH	C91080	0.20	1.00	0	<0.01	<0.01	<0.01	<0.02	0.004	2.8	
CCH	C91081	0.20	0.60	0	0.01	<0.01	0.03	0.07	0.016	2.8	
CCH	C91082	0.20	0.60	0	<0.01	<0.01	<0.01	<0.02	0.003	2.8	
CCH	C91083	0.20	0.35	0	0.15	0.055	>2.00	70.00	0.058	2.9	* ERODED
CCH	C91084	0.20	1.05	0	<0.01	<0.01	0.01	<0.02	<0.002	2.7	
CCH	C91085	0.20	0.80	0	<0.01	<0.01	0.01	<0.02	<0.002	2.7	
CCH	C91086	0.20	1.10	0	<0.01	<0.01	0.03	<0.02	<0.002	2.7	
CCH	C91087	0.20	0.45	0	0.02	0.02	0.04	0.04	<0.002	2.9	
CCH	C91088	0.20	0.35	0	0.02	<0.01	0.02	0.02	0.006	2.7	
CCH	C91089	0.20	0.40	0	0.01	0.10	0.04	0.23	0.020	3.2	
CCH	C91090	0.20	0.50	0	0.04	0.09	0.11	0.34	0.018	3.1	
CCH	C91091	0.20	0.80	0	0.30	1.05	4.35	2.03	0.036	3.0	
CCH	C91092	0.20	0.65	0	0.65	0.58	4.30	1.41	0.098	3.4	
CCH	C91093	0.20	0.65	0	0.80	0.23	1.67	1.93	0.051	3.2	
CCH	C91094	0.20	1.25	0	0.26	0.57	3.80	2.87	0.079	3.4	
CCH	C91095	0.20	1.10	0	0.25	0.52	2.68	0.82	0.018	3.0	
CCH	C91096	0.20	0.80	0	0.23	0.46	2.24	0.76	0.012	3.1	
CCH	C91097	0.20	0.80	0	0.31	0.73	3.08	3.20	0.025	2.9	
CCH	C91098	0.20	0.65	0	0.15	0.64	1.52	1.45	0.013	2.9	

Sample Type	Sample Number	Width (m)	Length (m)	Altitude	Cu $	Pb $	Zn $	Ag oz/t	Au oz/t	$Eq.
CCH	C91099	0.20	1.25	0	<0.01	<0.01	<0.01	<0.02	<0.002	2.7
CCH	C91100	0.20	1.20	0	<0.01	<0.01	0.02	0.03	0.002	2.7
CCH	C91101	0.20	1.25	0	<0.01	<0.01	<0.01	<0.02	0.005	2.7
CCH	C91102	0.20	1.20	0	<0.01	<0.01	<0.01	0.03	0.010	2.7
Muck	M87540	9.80	2.40	*	0.01	0.09	0.26	0.07	<0.002	2.7
Muck	M87542	5.40	1.50	*	0.02	0.02	0.07	0.09	0.005	2.7
Muck	M87545	5.40	2.50	*	0.05	0.05	0.21	0.11	0.013	2.8
Muck	M87547	5.10	3.70	*	0.27	0.16	1.16	0.68	0.032	2.8

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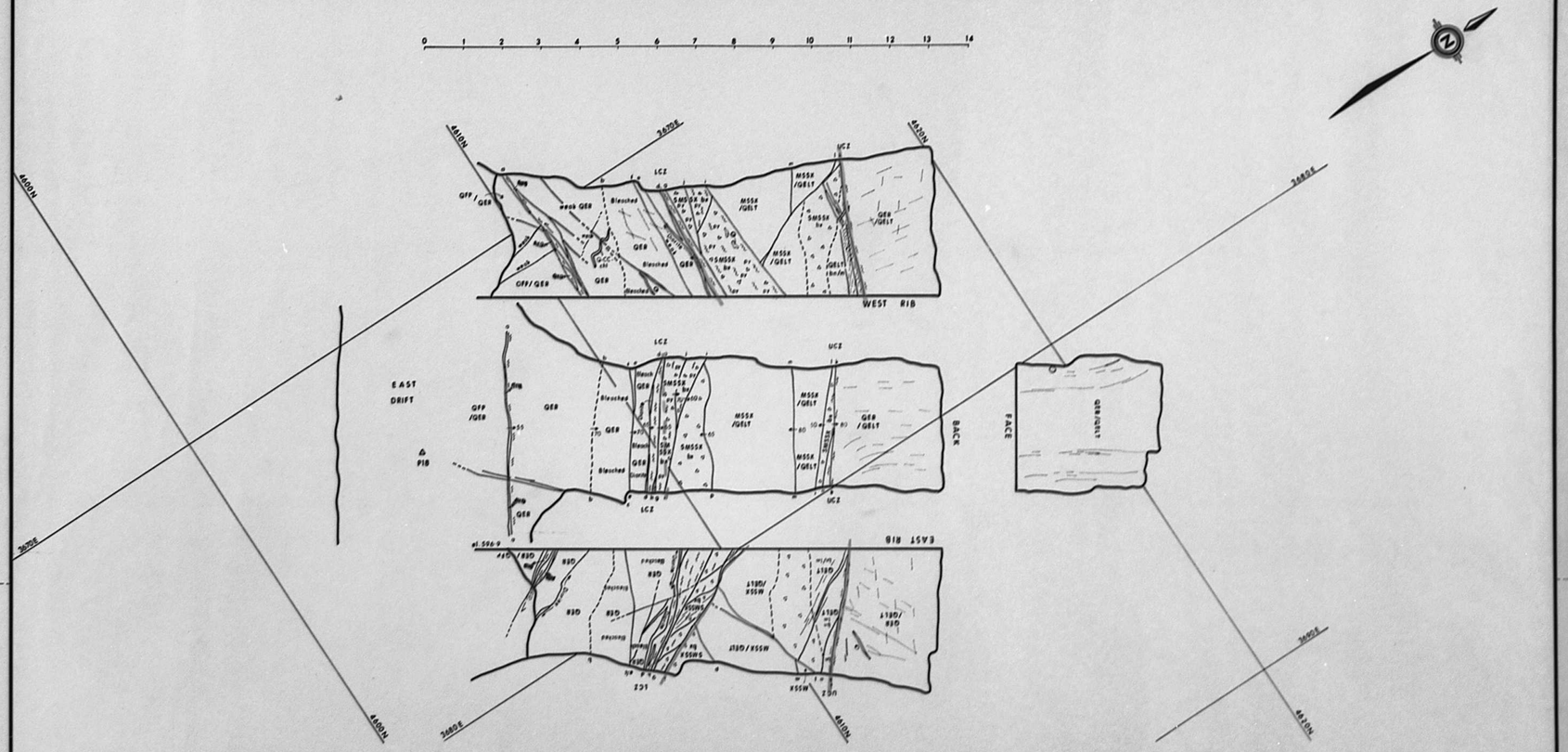
DRAWING NO. D-



Lithological:

1. South of fault d (LCZ): coarse-grained QFP/QFB transitional sequence, well foliated & blocky. Rare disseminate py <2% with local coarse py aggregates (2%). A sharp boundary exists between grey/brown QFB (to south of b) and greenish "bleached" QFB to north, within 1.5 m of LCZ. Total % py increases to 3-4% immediately adjacent to LCZ.
2. Between faults d & g: sericitic/argillic shear zone (sheared QFLT?). Locally pyritic (<2%), otherwise barren. Common Q-cc-chl sweats & stringers.
3. Between faults g and i: SMSX pyritic QFLT/py breccia (sheared & stretched). Contains angular MSSX-py and QFLT blocks (30 cm+) in a crushed fragmental pyritic/QFB matrix. Rhyolite blocks containing relict sulphide bands are rotated to multidirectional orientations. Siliceous.
4. Between fault i and k (UCZ): MSSX/SMSX/banded and laminated zone, not as structurally disrupted as 3. Well preserved sulphide banding visible, openly folded (0.5-1.0 m wavelength 10-15 cm amplitude). Locally highly siliceous (patchy). Transition from MSSX, through SMSX, to BMSX/LMSX appears to be gradational, contacts being indistinct. Common local incipient brecciation.
5. North of fault k (UCZ): medium-grained QFB/QFLT unit, well-foliated, foliation plunging 10-15° eastwards. Not obviously fragmental.

Structural Summary:

1. Dominant structures: d-g-h swarm (LCZ) } i-m-k swarm (UCZ) } - brittle, no gg development. Local intrazonal l-m swarm } - argillization
2. All other structures minor.
3. Most of regional stretching and local slip-strike movement is taken up in the mineralized zone (due to competency contrasts?).

Mineralization

1. South of LCZ: <2% disseminate py, locally increasing to 3-5% adjacent to LCZ.
2. Between faults d and g: <2% total sulphide, rare MSSX-py pods and bands (3cm x 10cm). Highly sheared.
3. Between faults g and i: SMSX, mainly pyritic. Strongly brecciated, up to 30% massive pyritic angular fragments. 1-2% sp.
4. Between faults i and k (UCZ): zone contains variable mineralization styles, with 3 general types:
   (i) MSSX: 60-70% total sulphide content (30 sp, 15 py, 10 cp, 15 gn, 1-2 tt)
   (ii) SMSX: 30-35% total sulphide, common cross-cutting py-cp stringers (15 sp, 10 py, 5 cp).
   (iii) banded/laminated type: well banded and foliated, strongly sheared. 15% total sulphide (5 sp, 10 py, 3 cp).
5. North of fault k (UCZ): barren, <1% laminated py.

0 1 2 3 4 5m

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LARA PROJECT — UNDERGROUND EXPLORATION

600 LEVEL
1-3672 E XCUT
GEOLOGY

DATE	SCALE	NTS	DRAWING NO.
OCT. 1988	1:50	92B/13	XZE-9(mm)-8

ISSUE A1 2000

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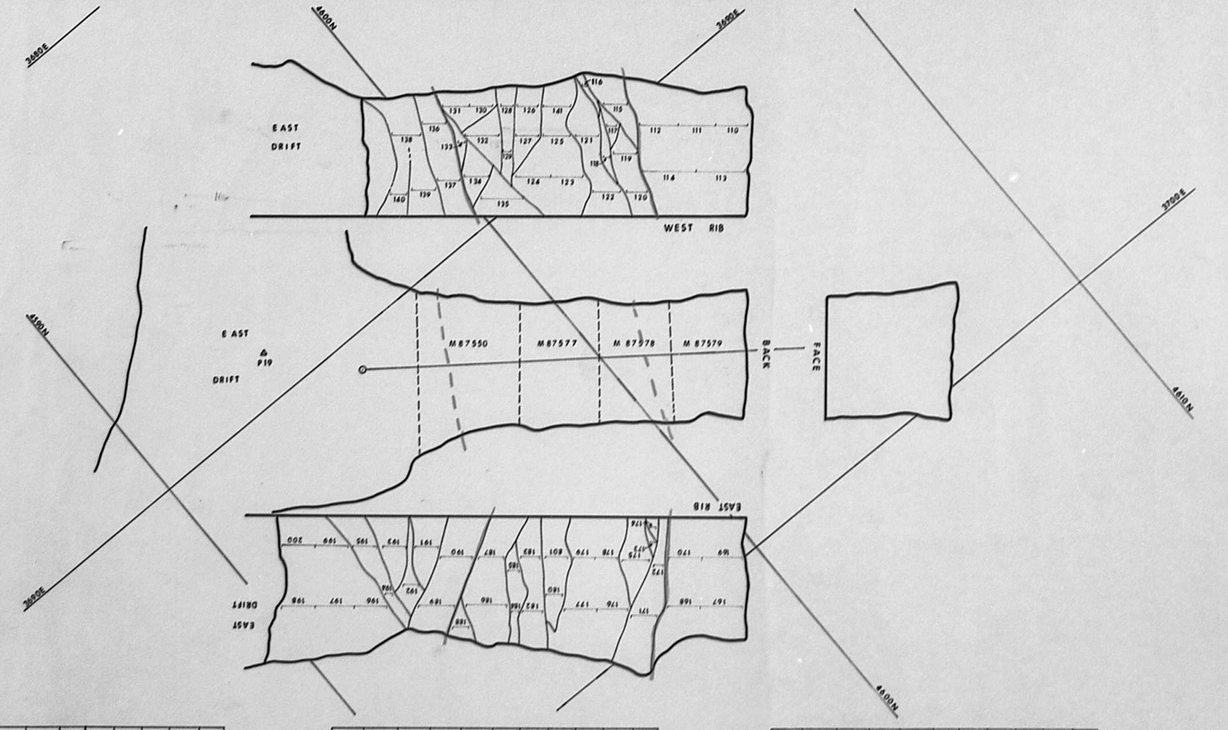
Richard Reproduction Centre

DRAWING NO. D-



Sample Type	Sample Number	Width (m)	Length (m)		Altitude	Cu $	Pb $	Zn $	Ag oz/t	Au oz/t	$/t
CCH	CH1110	0.20	0.80	0		<0.01	<0.01	<0.01	<0.05	<0.015	2.7
CCH	CH1111	0.20	0.80	0		<0.01	<0.01	<0.01	<0.05	0.011	2.7
CCH	CH1112	0.20	0.80	0		<0.01	<0.01	<0.01	0.05	0.027	3.8
CCH	CH1113	0.20	1.25	0		<0.01	<0.01	<0.01	<0.05	<0.009	2.7
CCH	CH1114	0.20	1.25	0		<0.01	<0.01	<0.01	0.05	0.025	2.7
CCH	CH1115	0.20	0.65	0		0.10	0.44	0.01	0.46	0.024	2.7
CCH	CH1116	0.20	0.45	0		0.02	0.24	4.25	0.46	0.015	2.8
CCH	CH1117	0.20	0.50	0		1.72	1.59	32.35	1.59	0.047	3.5
CCH	CH1118	0.20	0.15	0		0.35	0.22	1.26	0.26	0.022	2.7
CCH	CH1119	0.20	0.65	0		0.40	1.62	5.78	2.64	0.027	2.8
CCH	CH1120	0.20	0.60	0		0.60	1.20	4.17	2.64	0.028	2.8
CCH	CH1121	0.20	0.60	0		0.09	0.02	0.06	0.20	0.008	2.8
CCH	CH1122	0.20	0.60	0		0.26	0.01	0.04	0.26	0.012	2.8
CCH	CH1123	0.20	0.65	0		0.19	0.02	0.51	0.24	0.008	2.9
CCH	CH1124	0.20	0.85	0		0.11	0.11	2.40	1.39	0.015	2.9
CCH	CH1125	0.20	0.50	0		0.09	0.02	0.23	0.13	0.010	2.9
CCH	CH1126	0.20	0.60	0		0.12	0.06	3.40	0.46	0.008	2.9
CCH	CH1127	0.20	0.65	0		0.14	0.08	2.63	0.75	0.012	2.8
CCH	CH1128	0.20	0.50	0		0.06	0.21	0.59	1.49	0.045	3.6
CCH	CH1129	0.20	0.20	0		0.01	0.07	0.17	0.26	0.006	2.5
CCH	CH1130	0.20	0.65	0		0.01	<0.01	0.06	0.18	0.018	2.5
CCH	CH1131	0.20	0.65	0		0.02	0.01	0.02	0.26	0.014	2.7
CCH	CH1132	0.20	0.85	0		0.01	<0.01	0.02	0.34	0.006	2.8
CCH	CH1133	0.20	0.20	0		0.02	<0.01	0.04	0.06	0.002	2.8
CCH	CH1134	0.20	0.70	0		0.02	<0.01	0.02	0.08	0.004	2.9
CCH	CH1135	0.20	1.00	0		0.01	<0.01	0.01	0.04	0.002	2.8
CCH	CH1136	0.20	0.65	0		0.01	<0.01	<0.01	0.02	<0.002	2.8

Sample Type	Sample Number	Width (m)	Length (m)		Altitude	Cu $	Pb $	Zn $	Ag oz/t	Au oz/t	$/t
CCH	CH1137	0.20	0.50	0		<0.01	<0.01	<0.01	0.02	<0.002	2.7
CCH	CH1138	0.20	0.75	0		0.01	<0.01	0.04	0.02	<0.002	2.8
CCH	CH1139	0.20	0.60	0		<0.01	<0.01	0.01	0.02	<0.002	2.8
CCH	CH1140	0.20	0.45	0		0.01	<0.01	0.02	0.02	<0.002	2.8
CCH	CH1141	0.20	0.75	0		0.09	0.04	0.12	0.26	0.006	3.0
CCH	CH1167	0.20	0.95	0		<0.01	<0.01	0.02	0.02	0.008	2.9
CCH	CH1168	0.20	0.95	0		<0.01	<0.01	0.02	0.04	0.008	2.9
CCH	CH1169	0.20	0.90	0		<0.01	<0.01	<0.01	<0.01	0.013	2.9
CCH	CH1170	0.20	0.90	0		<0.01	<0.01	<0.01	<0.01	0.017	2.9
CCH	CH1171	0.20	0.70	0		0.51	0.16	2.16	3.24	0.105	2.8
CCH	CH1172	0.20	0.50	0		0.52	1.47	4.20	3.06	0.013	2.9
CCH	CH1173	0.20	0.50	0		0.10	0.28	1.10	0.149	0.010	2.9
CCH	CH1174	0.20	0.25	0		0.98	1.10	7.35	2.46	0.060	3.0
CCH	CH1175	0.20	0.50	0		0.41	0.36	3.04	0.88	0.037	2.9
CCH	CH1176	0.20	0.80	0		2.84	1.51	21.91	15.95	0.249	3.6
CCH	CH1177	0.20	0.80	0		4.09	2.25	29.95	17.52	0.280	3.9
CCH	CH1178	0.20	0.55	0		1.76	3.50	50.90	12.52	0.121	3.7
CCH	CH1179	0.20	0.55	0		3.20	4.24	42.99	14.60	0.095	4.1
CCH	CH1180	0.20	0.40	0		1.78	0.51	1.87	1.49	0.115	3.0
CCH	CH1181	0.20	0.55	0		7.10	2.73	9.26	5.54	0.268	3.4
CCH	CH1182	0.20	0.50	0		2.46	0.69	1.86	1.63	0.052	3.0
CCH	CH1183	0.20	0.50	0		0.35	0.28	3.14	0.68	0.052	2.9
CCH	CH1184	0.20	0.25	0		0.37	0.46	5.70	5.91	0.108	4.5
CCH	CH1185	0.20	0.55	0		0.08	0.29	1.95	2.51	0.079	4.0
CCH	CH1186	0.20	1.05	0		0.04	0.05	0.18	0.64	0.020	3.9
CCH	CH1187	0.20	0.70	0		0.02	0.09	0.24	0.83	0.018	3.4
CCH	CH1188	0.20	0.60	0		0.02	0.01	0.11	0.16	0.006	2.9

Sample Type	Sample Number	Width (m)	Length (m)	Altitude	Cu $	Pb $	Zn $	Ag oz/t	Au oz/t	$/t
CCH	CH1189	0.20	0.90	0	<0.01	<0.01	<0.01	0.04	<0.002	2.8
CCH	CH1190	0.20	0.85	0	<0.01	<0.01	0.05	0.04	<0.002	2.8
CCH	CH1191	0.20	0.50	0	<0.01	<0.01	0.02	0.04	<0.002	2.8
CCH	CH1192	0.20	0.50	0	0.05	0.02	0.02	0.18	0.006	3.2
CCH	CH1193	0.20	0.60	0	0.01	<0.01	0.01	0.04	<0.002	2.8
CCH	CH1194	0.20	0.50	0	0.01	<0.01	0.01	0.06	0.002	2.9
CCH	CH1195	0.20	0.95	0	<0.01	<0.01	0.17	0.09	0.005	3.0
CCH	CH1196	0.20	0.85	0	<0.01	<0.01	0.02	0.03	0.002	2.9
CCH	CH1197	0.20	0.85	0	<0.01	<0.01	<0.01	0.04	<0.002	2.9
CCH	CH1198	0.20	0.85	0	<0.01	<0.01	<0.01	0.03	<0.002	2.9
CCH	CH1199	0.20	0.85	0	<0.01	<0.01	<0.01	0.02	<0.002	2.9
CCH	CH1200	0.20	0.85	0	<0.01	<0.01	<0.01	0.04	<0.002	2.9
Muck	M87550	3.40	2.75	"	0.17	0.05	0.76	0.45	0.035	3.0
Muck	M87577	2.95	1.95	"	0.69	0.38	2.13	0.64	0.050	3.0
Muck	M87578	2.85	1.75	"	1.86	1.68	9.25	2.92	0.098	3.5
Muck	M87579	2.80	1.90	"	0.63	0.09	0.39	0.14	0.015	2.9

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ABERMIN CORPORATION

LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL

1-3690E XCUT

ASSAYS

DATE	SCALE	NTS	DRAWING NO.
OCT. 1988.	1:50	92B/13	XSE-A/mwb

MICROBOX 26
Richmond Reproduction Centre

MICROBOX 26
Retained Reproduction Cable

Lithologies: 1. South of Faults F (LC2): (GER/QFP transitional) sequence, variable pyritic mineralization, south of Faults 9/h to 3,500 m south of Fault 15 a pyritic gypsiferous zone, locally approaching SMSA (SQS py) = apparent disconformable & irregular (not bedded). This zone is indicated by irregular dipoles interspersed with pods. Area within 3,00 m south of Fault 15 a particle sampler zone, with Q smears and pods.

2. Between Faults F and J/E: MSSA-py/QELT fragmental breccia, described above as "SMSA-py-rbx-1", locally brecciated. Coincides a relatively undisturbed MSSA-py. Restricted band (20 cm wide) with thin QP-CP interval, bearing/dipping strike & strictly tectonic origin of "SMSA-bx-1" may not be the case.

3. East Rib, between Faults J/E and H: high grade MSSA/SMSA QP-CP-py, very blocky and well fractured. Local concordant QP-CP rafts bearing pyrite. Rare QP-CP smears. This massive sulphide body assumes very angular weathering, being absent in the west rib.

4. West Rib, between Faults K and H: "SMSA-bx-11", possibly a brecciated equivalent of 3 above, crushed and contorted by the shearing effects of Fault Swarm H/G/O.

5. Between Faults a and m/ (UC2): Locally sheared QELT, relatively barren. Moderately banded/laminated QP-CP-SQ occurs within O.5 m on the north side of Faults m/ (UC2) (recrystallized & compositional upper contact of the polymictic mineralization, which has been structurally complicated by late faulting). This weakened mineralization gives way north of Faults f to rapidly to blocky, mainly pyritic QELT. Central area of the base is highly sheared.

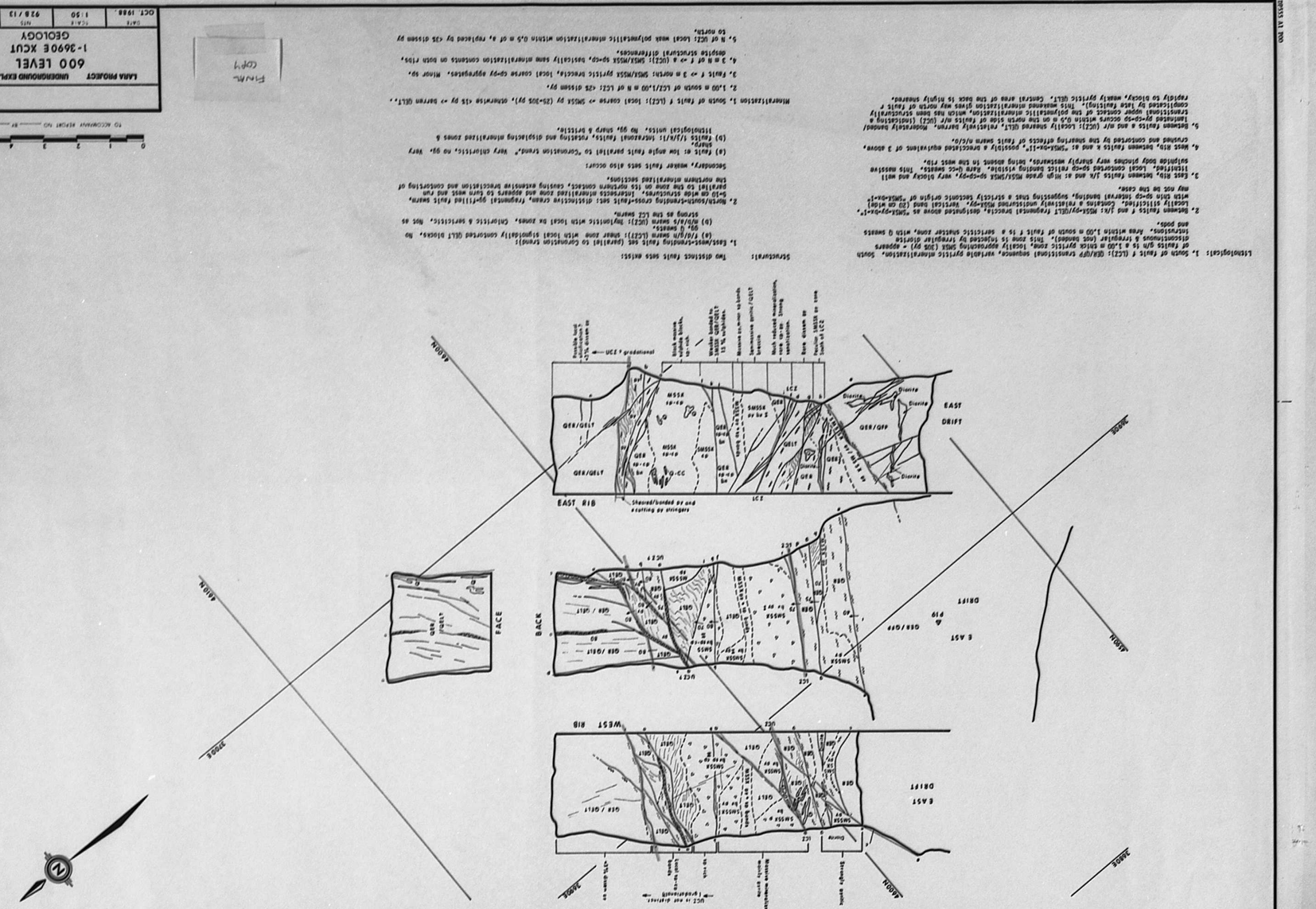
Structure: Two distinct faults sets exist:

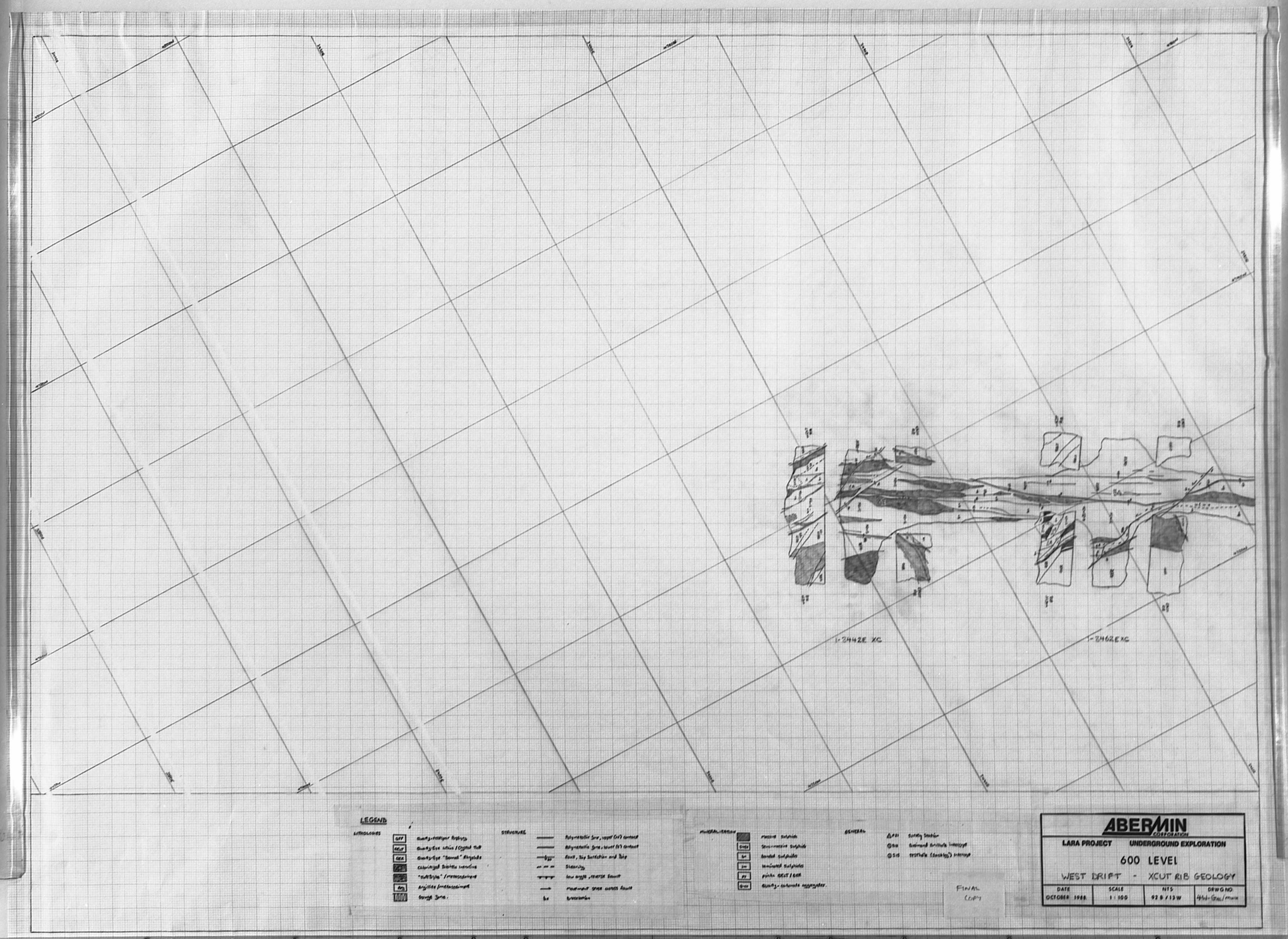
1. East/west-trending faults set (parallel to Cornerstone trend):
   (a) N/S/E/S swarm (LC2): Intensely pyritic shear zone with local silicified QELT blocks. No SQ, Q smears.
   (b) N/S/E/S swarm (UC2): Intensely with local bx zones. Chloritic & sericitic. Not as strong as the LC2 swarm.
2. North/south-trending cross-faults set: distinctive crenulation, fragmental gypsiferous faults swarm, 0-10 cm wide structures. Interspersed mineralized zone and accounts to core mass and run parallel to the zone on its northern contact, causing extensive brecciation and contorting of the northern mineralized sections.

Secondary, weaker faults sets also occur:

(a) Faults at low angle faults parallel to "Cornerstone trend." Very chloritic, no SQ. Very sharp.
(b) Faults 1/J/H/I: Interzonal faults, resetting and displacing mineralized zones & lithological units. No SQ, sharp & brittle.

Mineralization: 1. South of faults f (LC2): local coarse => SMSA py (25-30S py), otherwise 45 py => barren QELT.
2. 1,00 m south of LC2/1,00 m N of LC2: <25 disseminated py.
3. Faults f => 3 m north: SMSA/MSSA pyritic breccia, local coarse QP-py aggregates. Minor SQ.
4. 3 m N of f => a (UC2): SMSA/MSSA QP-CP, basically same mineralization contents on both ribs, despite structural differences.
5. N of UC2: Local weak polymetallic mineralization within O.5 m of a, replaced by <35 disseminated py to north.


EAST RIB
WEST RIB
BACK
FACE
EAST DRIFT
GER/GELT
GER/QFP
GER/QELT
LC2
UC2
Diorite
Showed/bonded by end stoffing by stringers
Weaker bonded to ISSUE QUARTZ/ELT 15 % schistose.
Black reduced mineralization, weak to non-bearing
Rare dioxes by Fault J (LC2) to 1mm
Brecciated, QP-CP-SQ
Brecciated, QP-CP-SQ
Brecciated, QP-CP-SQ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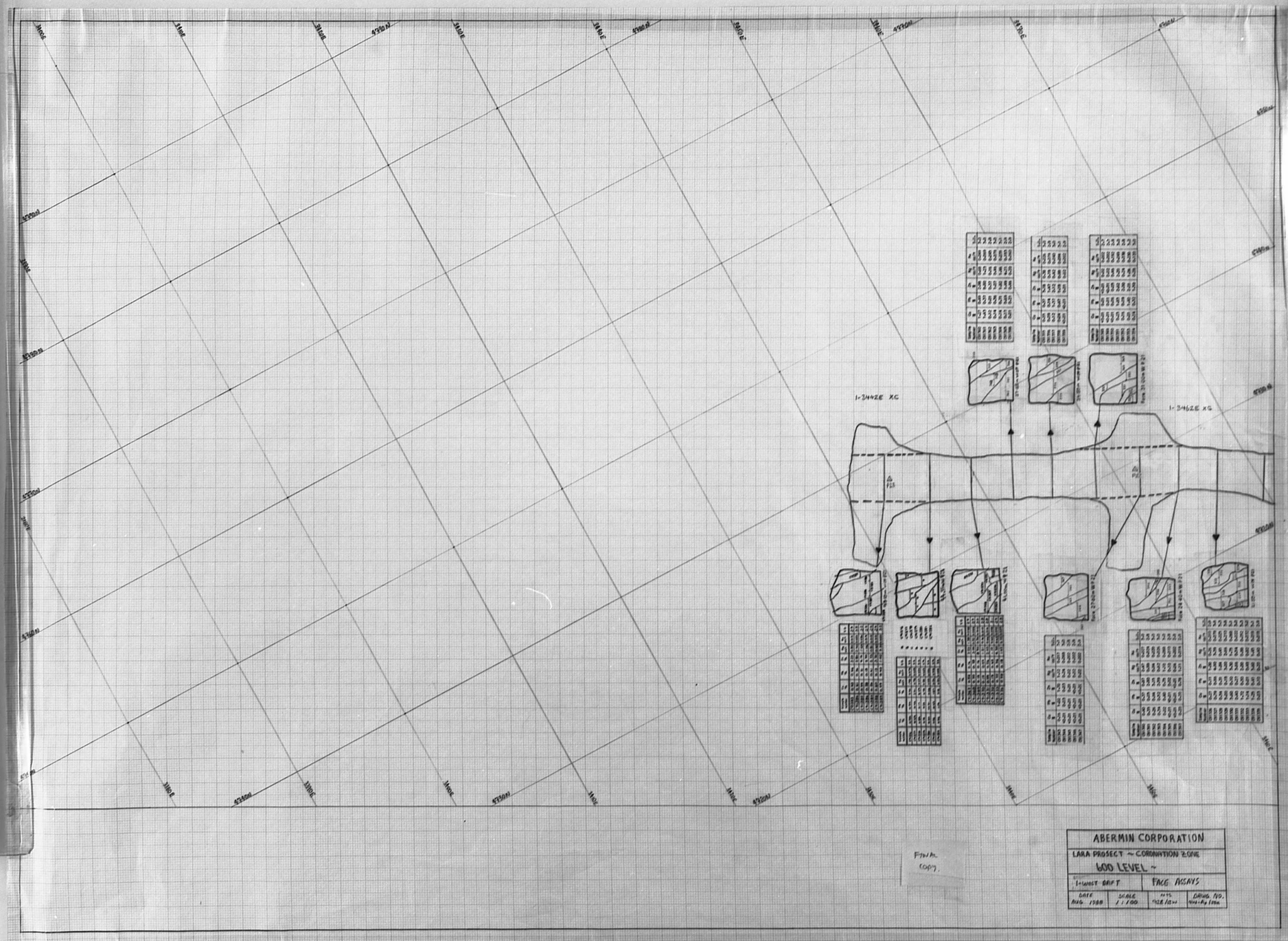
1-2462E XC
LEGEND
LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
FINAL COPY
ABERMIN CORPORATION
LARA PROJECT
UNDERGROUND EXPLORATION
600 LEVEL
WEST DRIFT - XCUT RIB GEOLOGY
DATE
OCTOBER 1988
SCALE
1:100
NTS
92 B/13W
DRWG NO.
MICROBOX 30
Richmond Reproduction Centre


ABERMIN
CORPORATION
LARA PROJECT
UNDERGROUND EXPLORATION
600 LEVEL
1 - WEST DRIFT - FACE GEOLOGY
LEGEND
LITHOLOGIES
STRUCTURES
MINERALIZATION
GENERAL
1-2442E XC
1-2442E XC



ABERMIN CORPORATION

LARA PROSECT ~ CORONATION ZONE

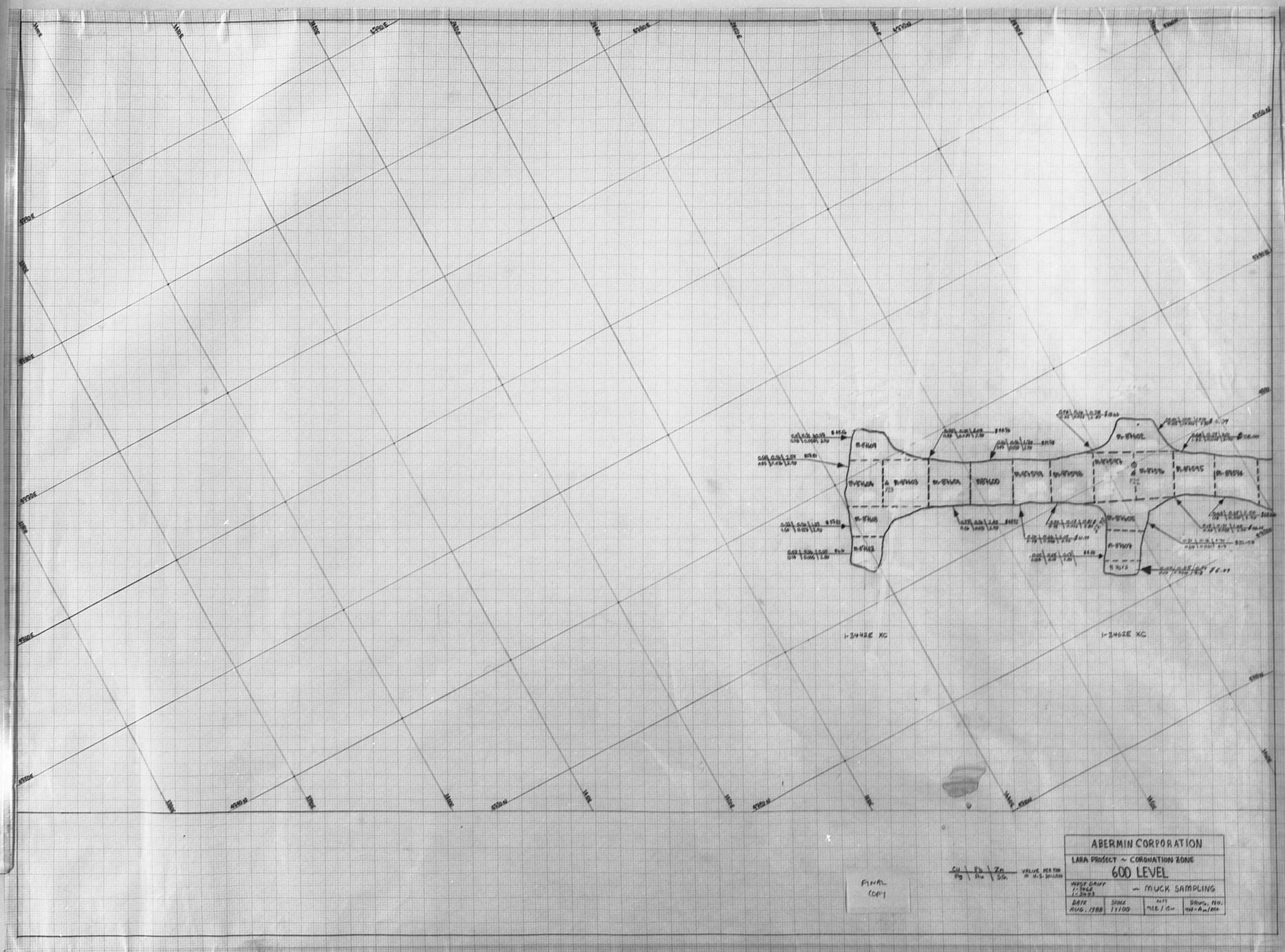
600 LEVEL ~

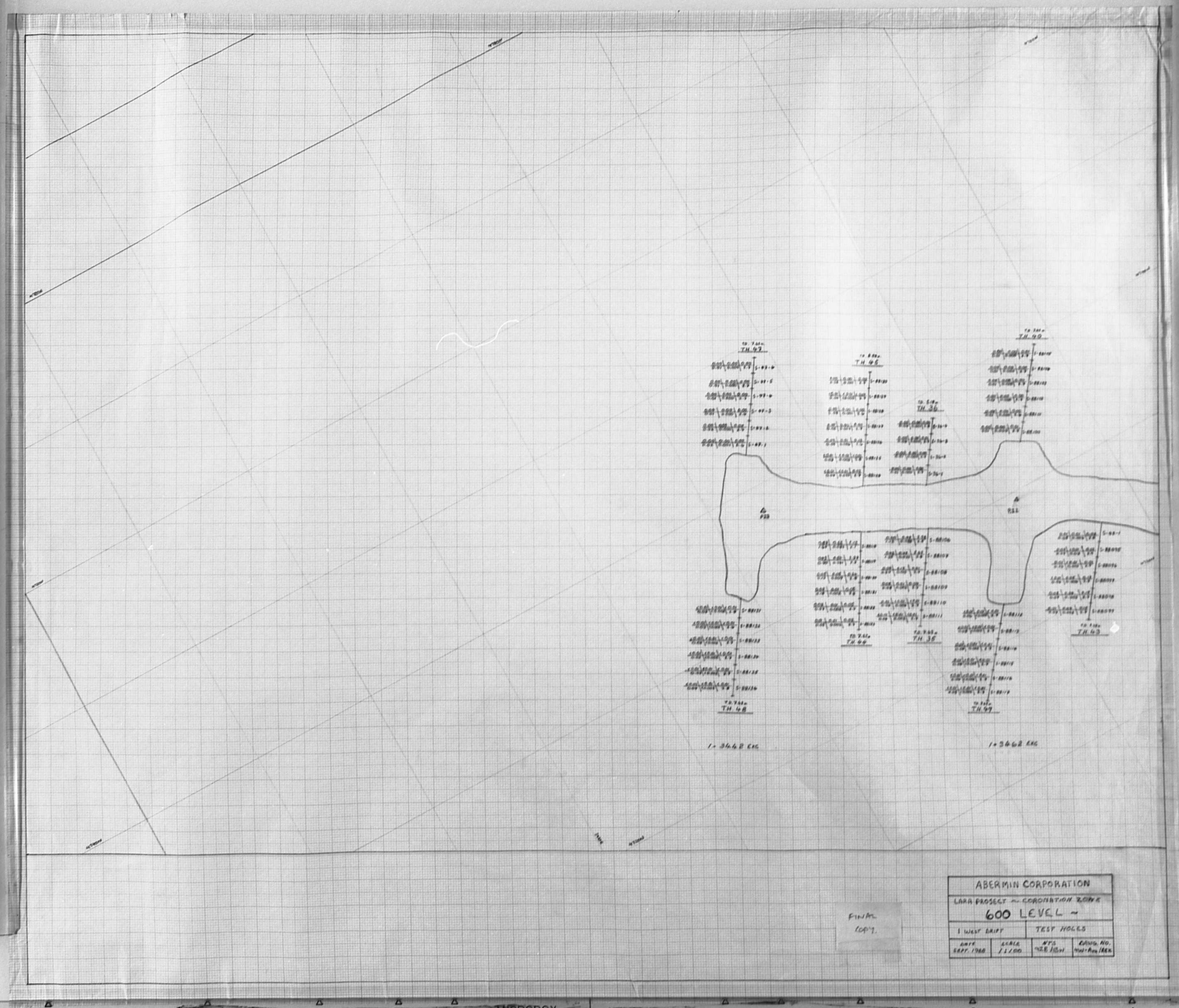
1-WEST DRIFT — FACE ASSAYS

DATE	SCALE	SIZE	DRWG NO.
AUG 1988	1:100	A1	

From copy.

MICROBOX 30
Richard Reproduction Centre


1-3442E XC
1-3462E XC
FINAL COPY
Cu Pb Zn
Ag Au SG
VALUE PER TON IN U.S. DOLLARS
ABERMIN CORPORATION
LARA PROJECT ~ CORONATION ZONE
600 LEVEL
WEST DRIFT 1-3462 1-3443
~ MUCK SAMPLING
DATE AUG. 1988
SCALE 1:100
DRWG. NO.


TH 47
TH 46
TH 36
TH 40
TH 44
TH 35
TH 43
TH 48
TH 49
1+3442 EXC
1+3462 EXC
ABERMIN CORPORATION
LARA PROJECT ~ CORONATION ZONE
600 LEVEL ~
1 WEST DRIFT
TEST HOLES
DATE SEPT. 1988
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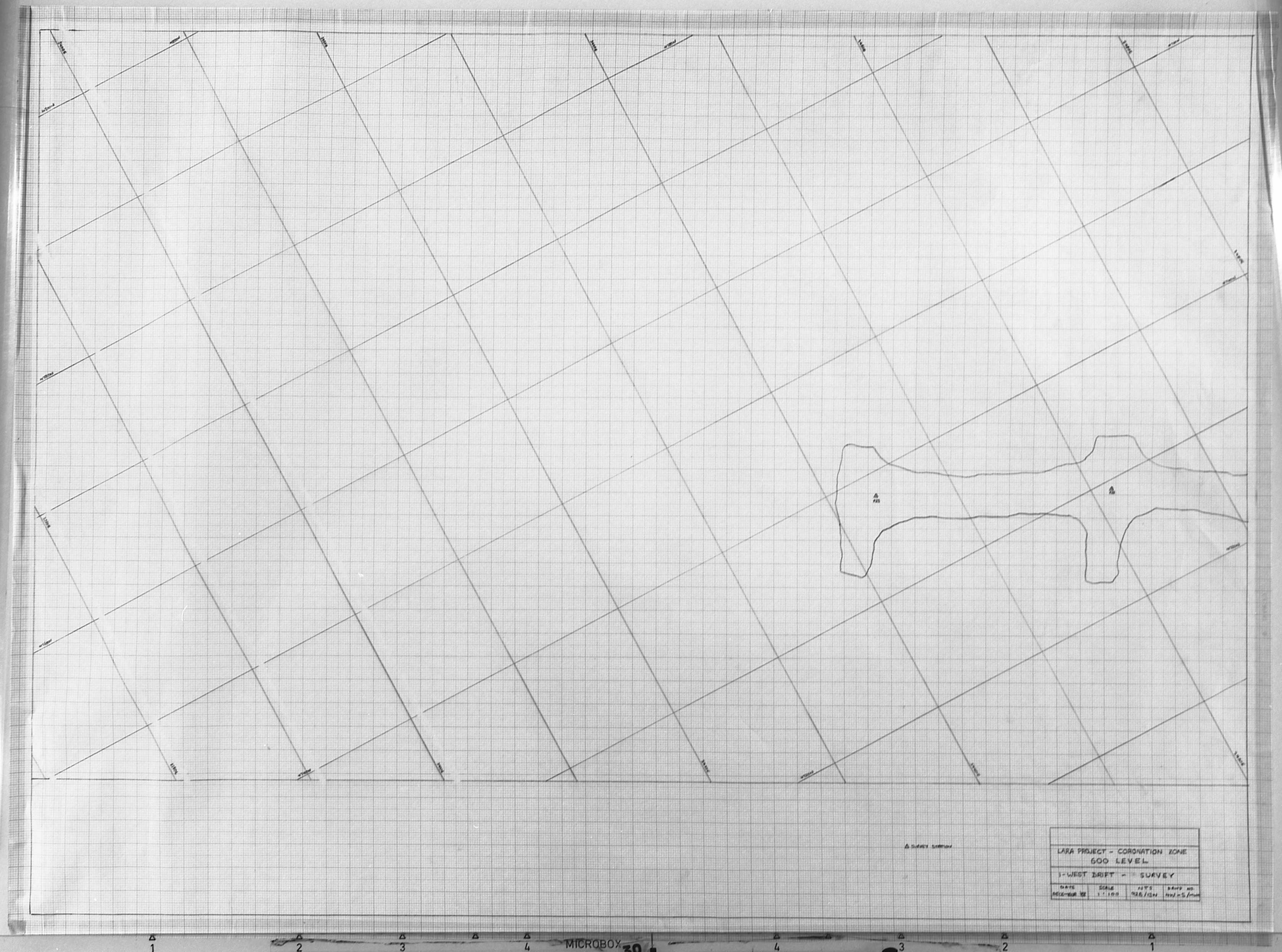
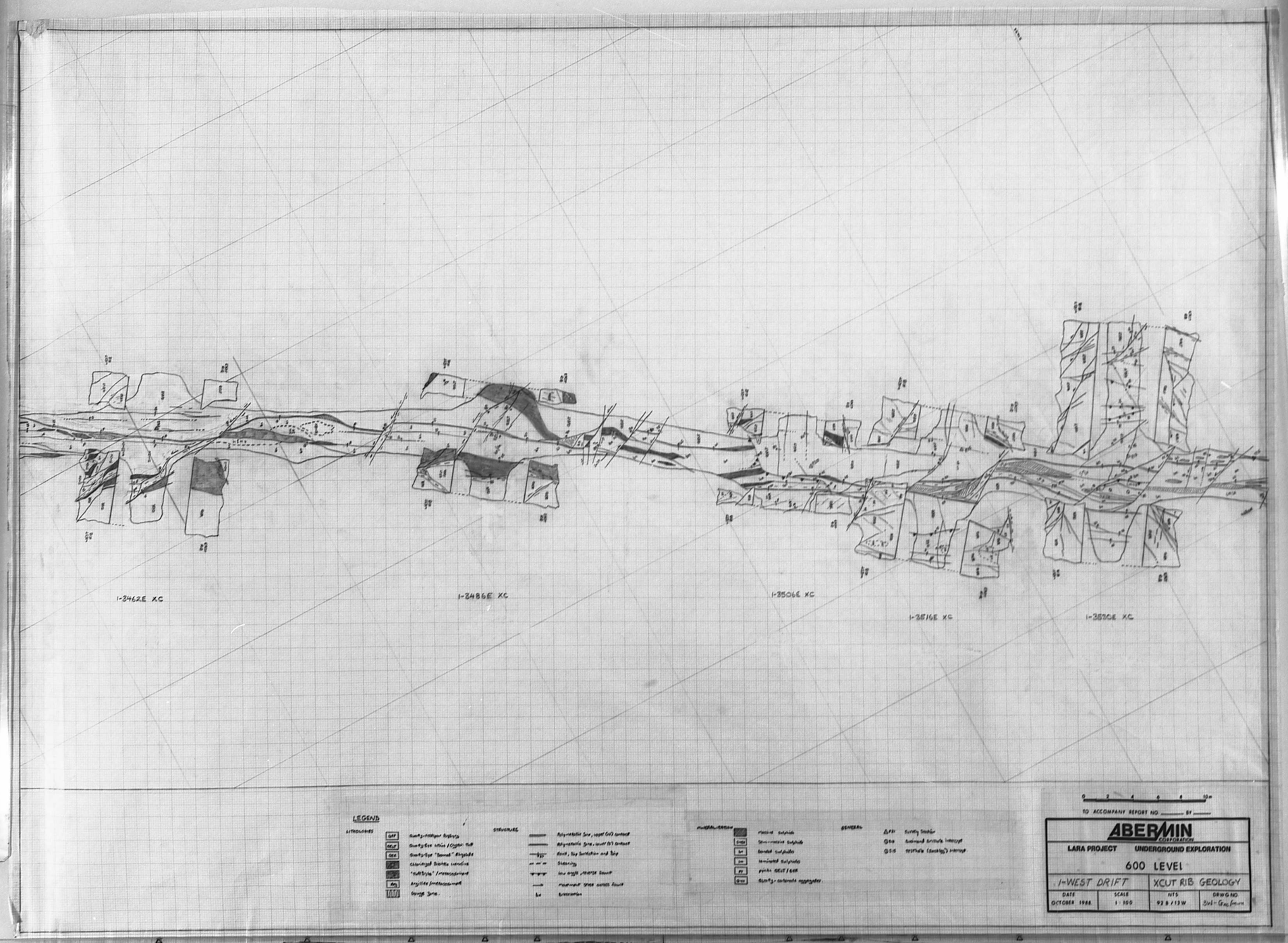


SURVEY STATION
LARA PROJECT - CORONATION ZONE
600 LEVEL
1-WEST DRIFT - SURVEY
DATE
SCALE
1:100
NTS
926/13N
DRWG NO
MICROBOX
30
Richmond Reproduction Centre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1-3486E XC
1-3506E XC
1-3516E XC
1-3530E XC
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LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
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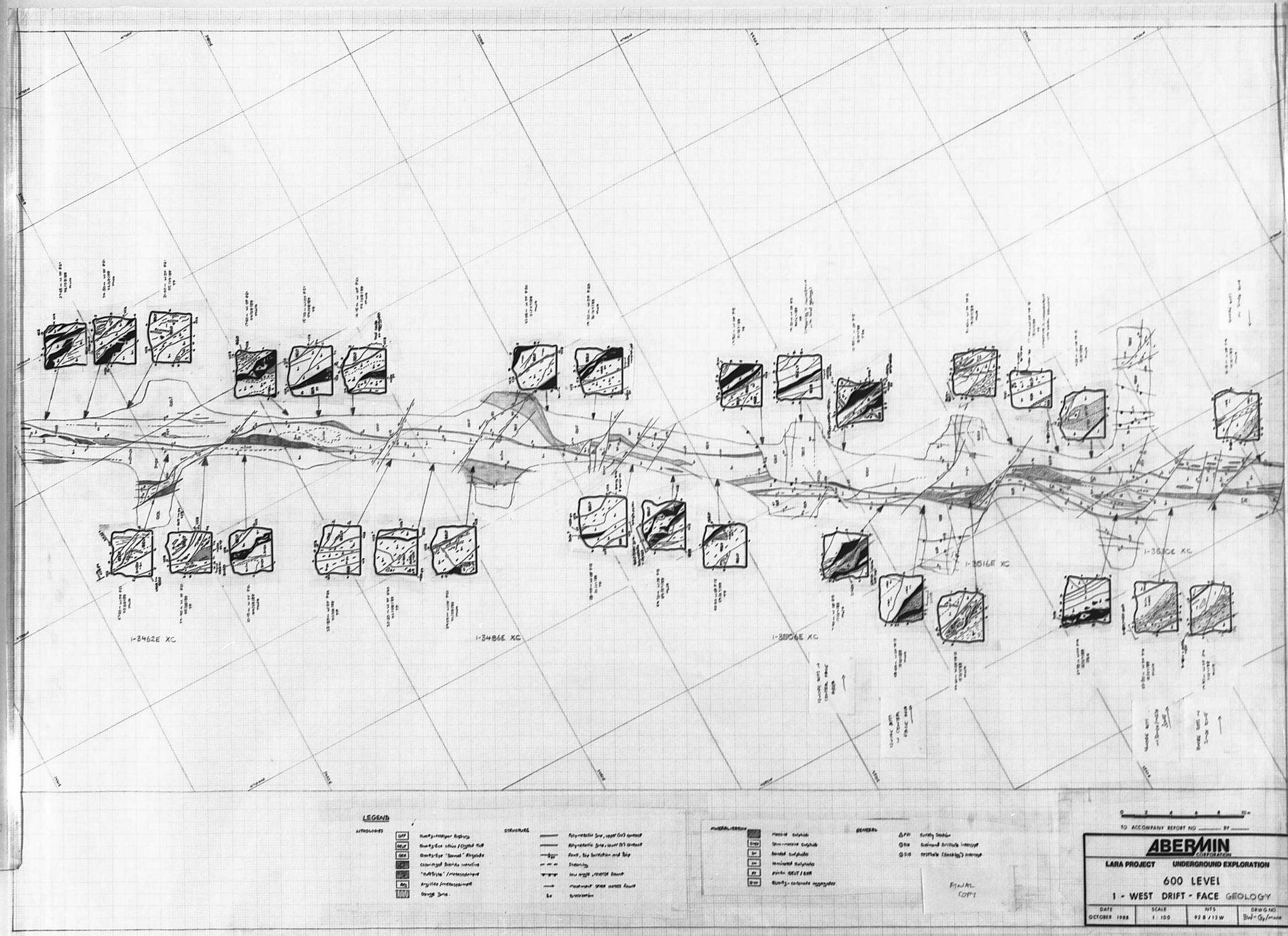
TO ACCOMPANY REPORT NO. ____ BY ____
ABERMIN CORPORATION
LARA PROJECT UNDERGROUND EXPLORATION
600 LEVEL
1-WEST DRIFT
XCUT RIB GEOLOGY
DATE OCTOBER 1988.
SCALE 1:100
NTS 92 B/13W
DRWG NO.
MICROBOX 30
Reduced Reproduction Centre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LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
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TO ACCOMPANY REPORT NO ..... BY .....
ABERMIN CORPORATION
LARA PROJECT UNDERGROUND EXPLORATION
600 LEVEL
1 - WEST DRIFT - FACE GEOLOGY
DATE OCTOBER 1988
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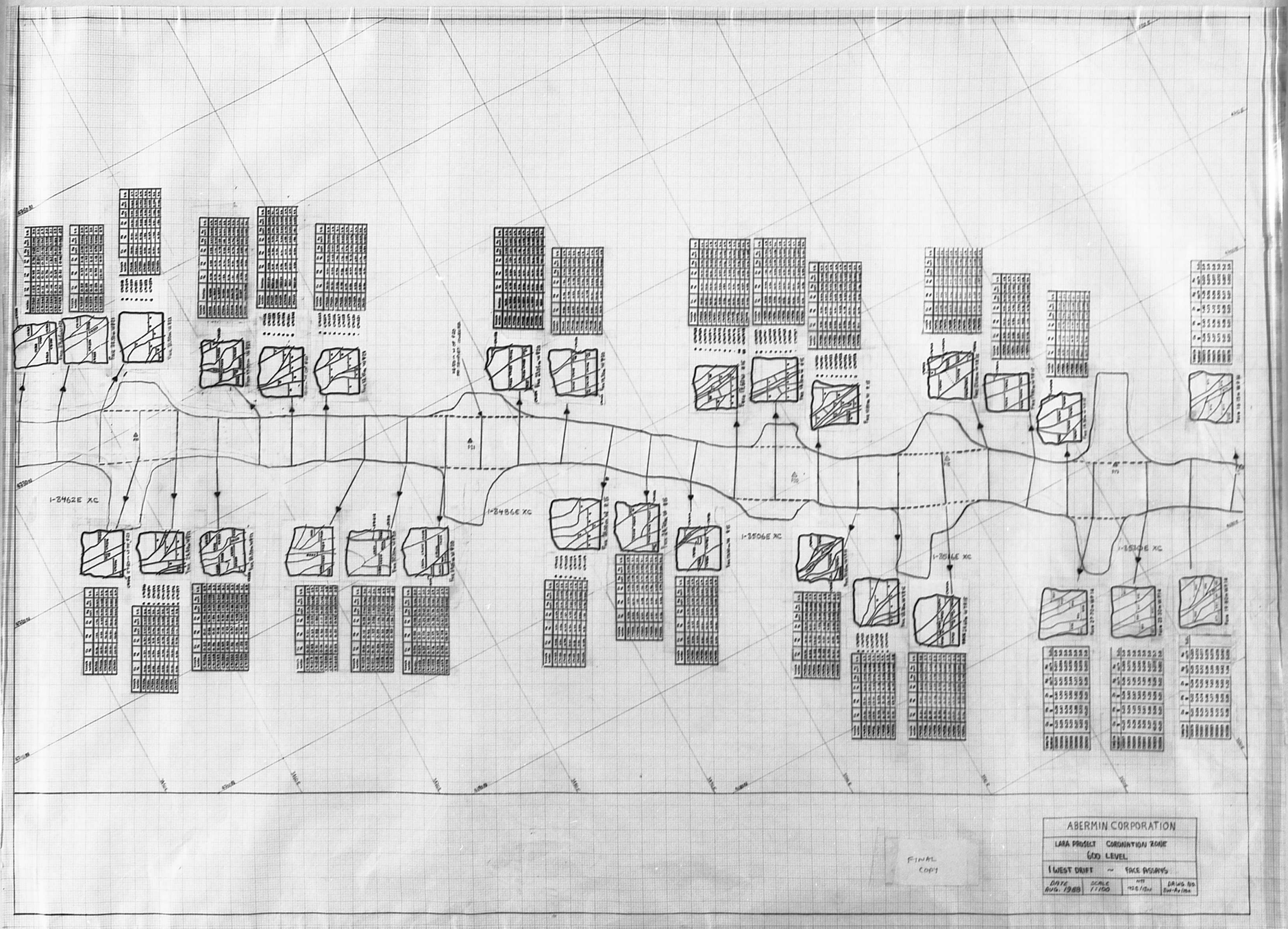
NTS 92 B / 13 W
DRWG NO BW-Gp/mwk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LARA PROJECT CORONATION ZONE
600 LEVEL
1 WEST DRIFT ~ FACE ASSAYS
DATE AUG. 1988
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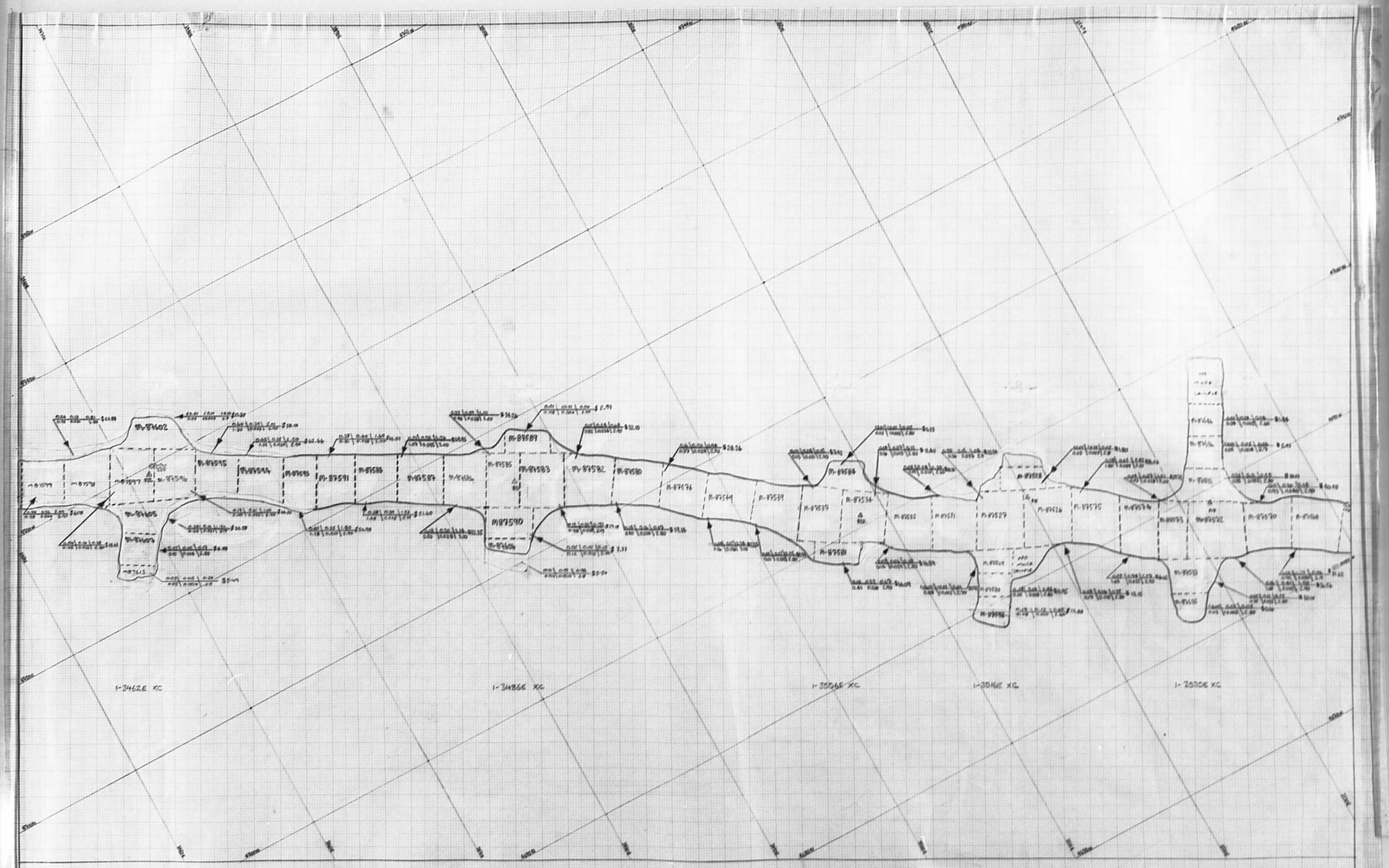

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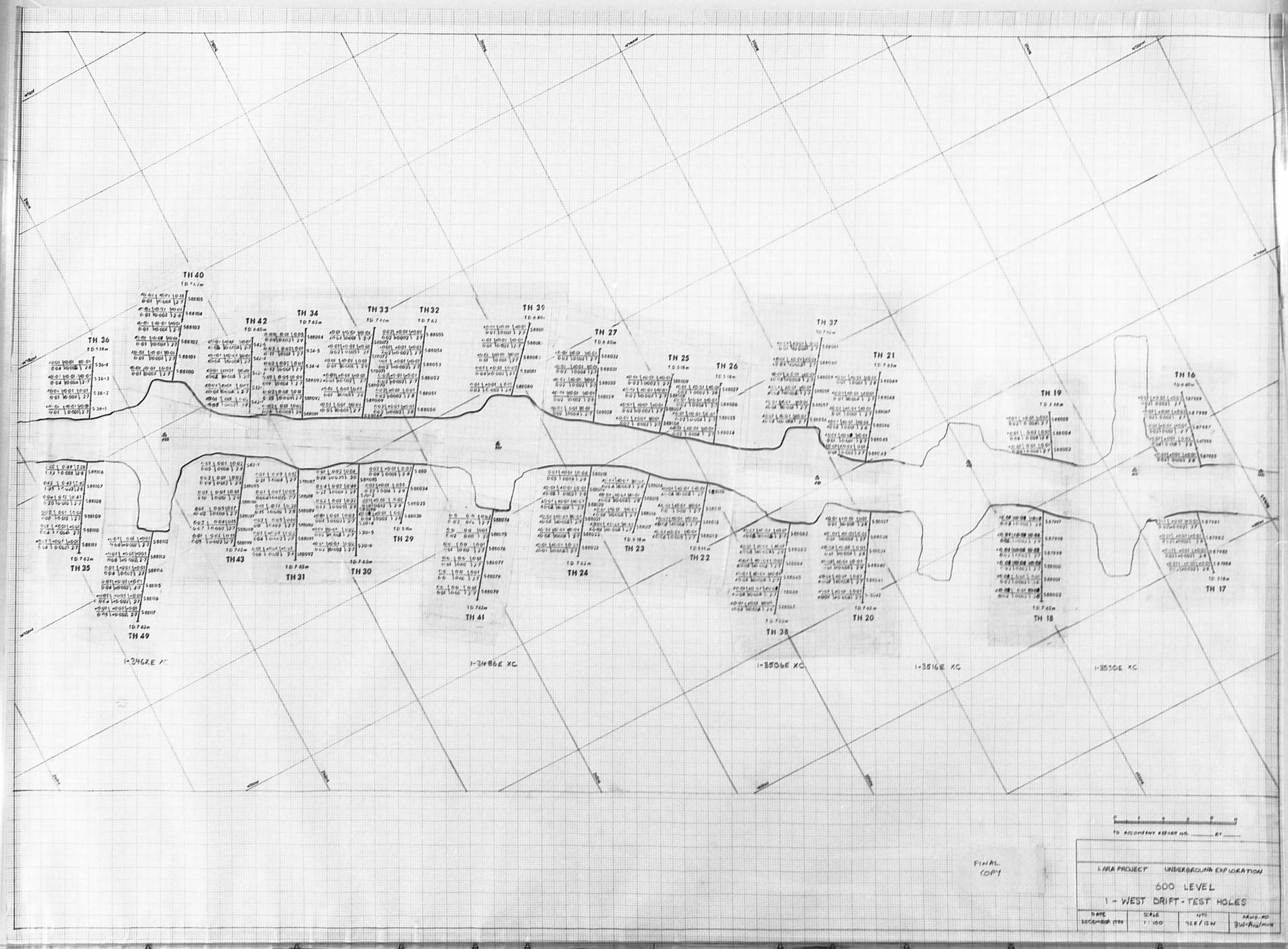
LABA PROSECT CORONATION ZONE 600 LEVEL			
1-WEST DRIFT		MUCK SAMPLING	
DATE August 1985	SCALE 1:100		



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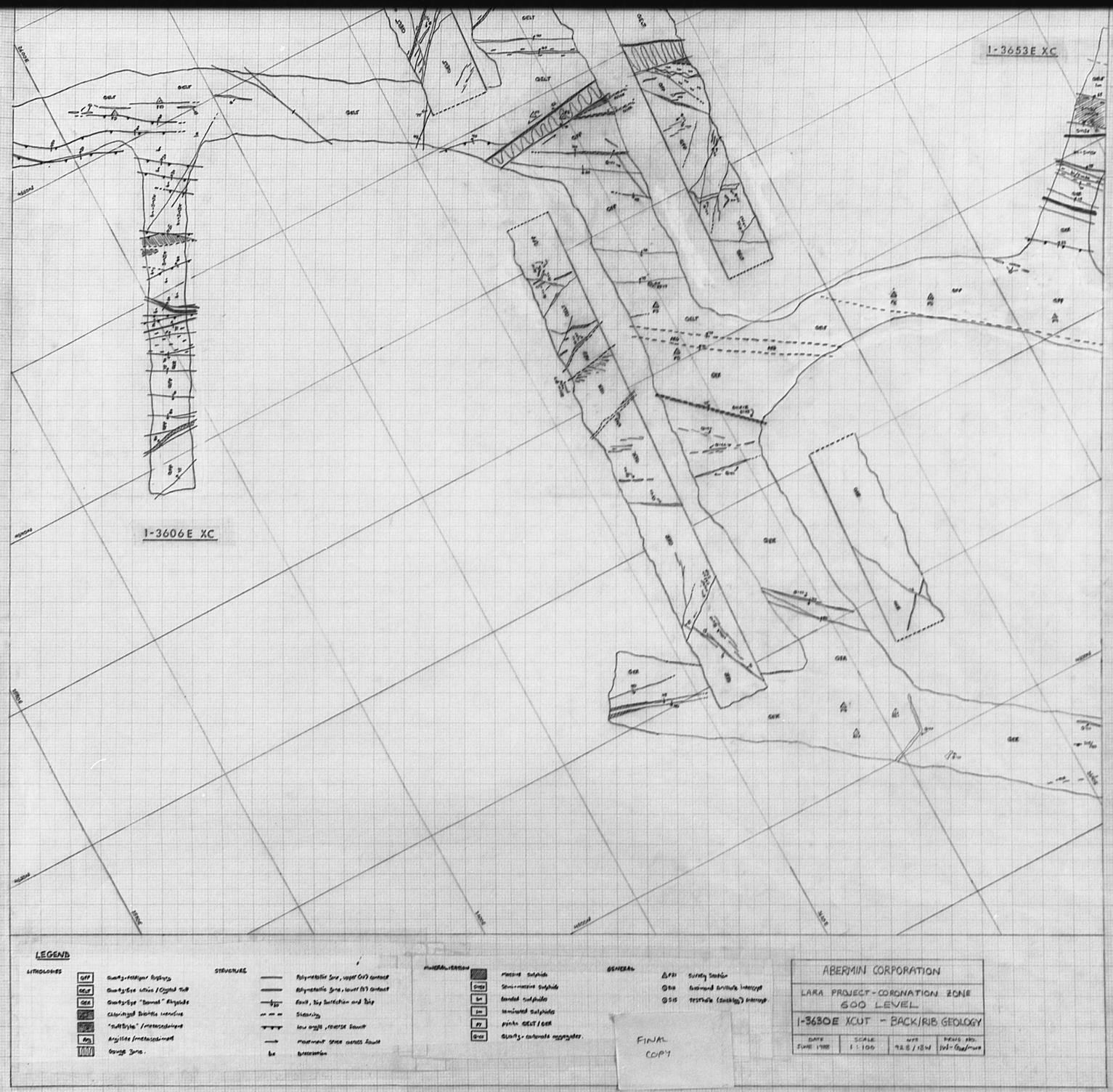
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MINERALIZATION
GENERAL
ABERMIN CORPORATION
LARA PROJECT - CORONATION ZONE
600 LEVEL
1-3630E XCUT - BACK/RIB GEOLOGY
DATE
JUNE 1988
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92B/13W
DRWG NO.
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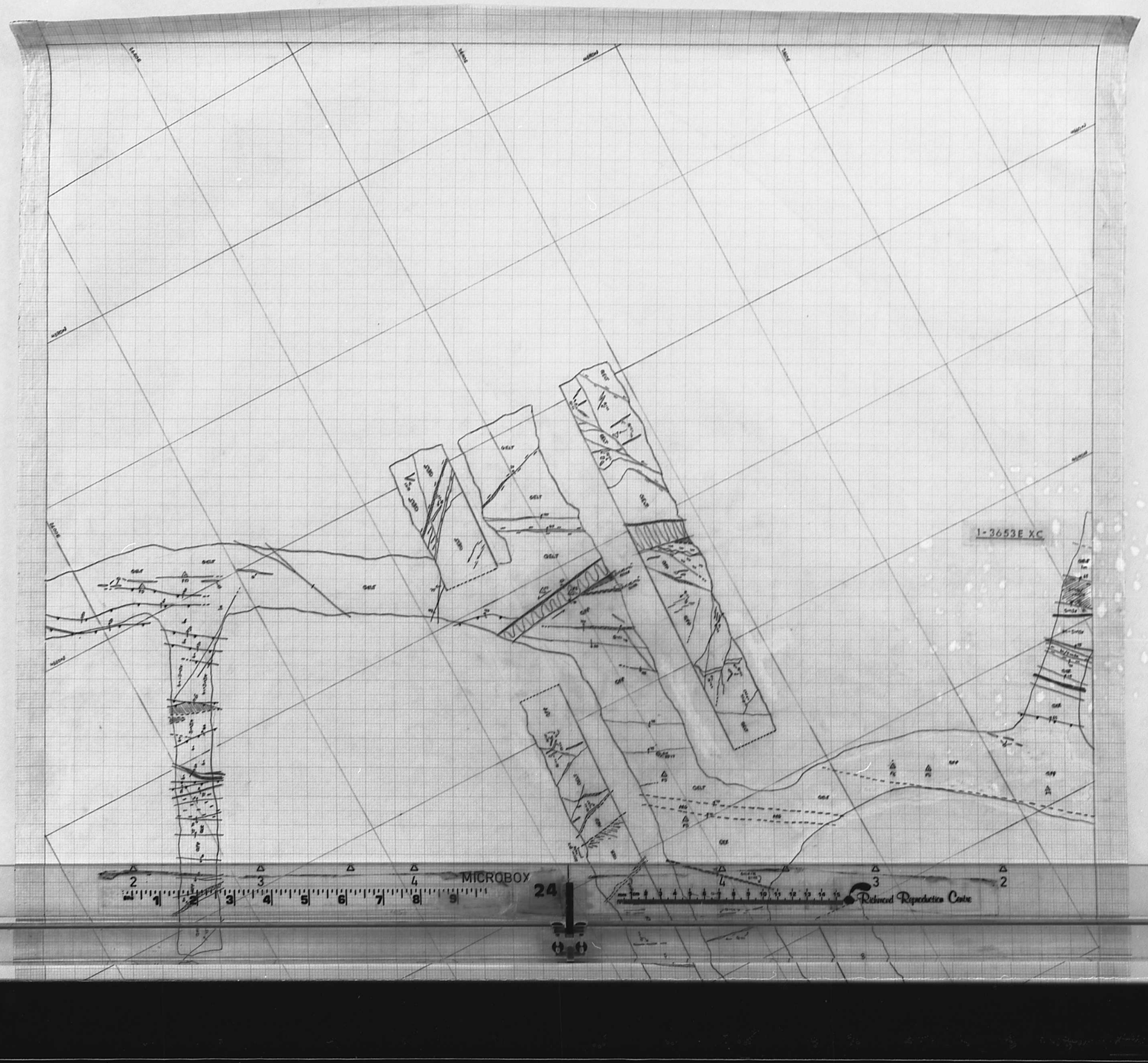
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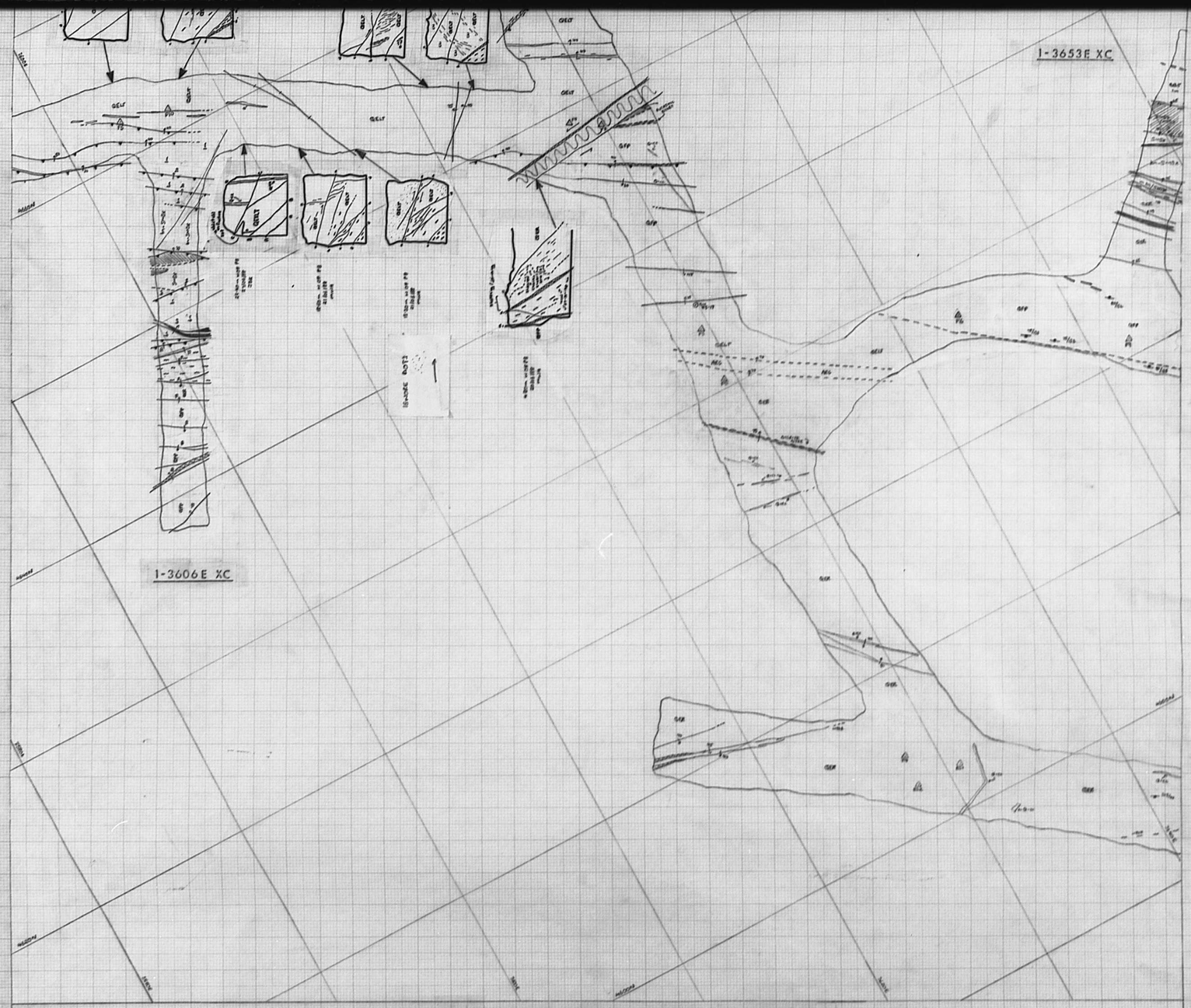
Richmond Reproduction Centre



LEGEND

LITHOLOGIES

- GFP — Quartz-feldspar Porphyry
- GELT — Quartz-Eye Lithic / Crystal Tuff
- GER — Quartz-Eye "Banded" Rhyolite
- Chloritized Dioritic intrusive
- "Tuff Pipe" / metasediment
- Argillite / metasediment
- Gouge Zone.

STRUCTURE

- Polymetallic zone, upper (U) contact
- Polymetallic zone, lower (L) contact
- Fault, Dip Direction and Dip
- Shearing
- Low angle, reverse fault
- Movement sense across fault
- Brecciation

MINERALIZATION

- massive sulphide
- semi-massive sulphide
- banded sulphides
- laminated sulphides
- pyrite GELT / GER
- quartz-carbonate aggregates.

GENERAL

- Survey Station
- Diamond Drillhole intercept
- Testhole (Sackbag) intercept.

ABERMIN CORPORATION			
LARA PROJECT - CORONATION ZONE 600 LEVEL			
1-3630 EXCUT - FACE GEOLOGY			
DATE JUNE 1988	SCALE 1 : 100	NTS 92B / 13W	DRWG. NO. 1vl-Gr/mwa

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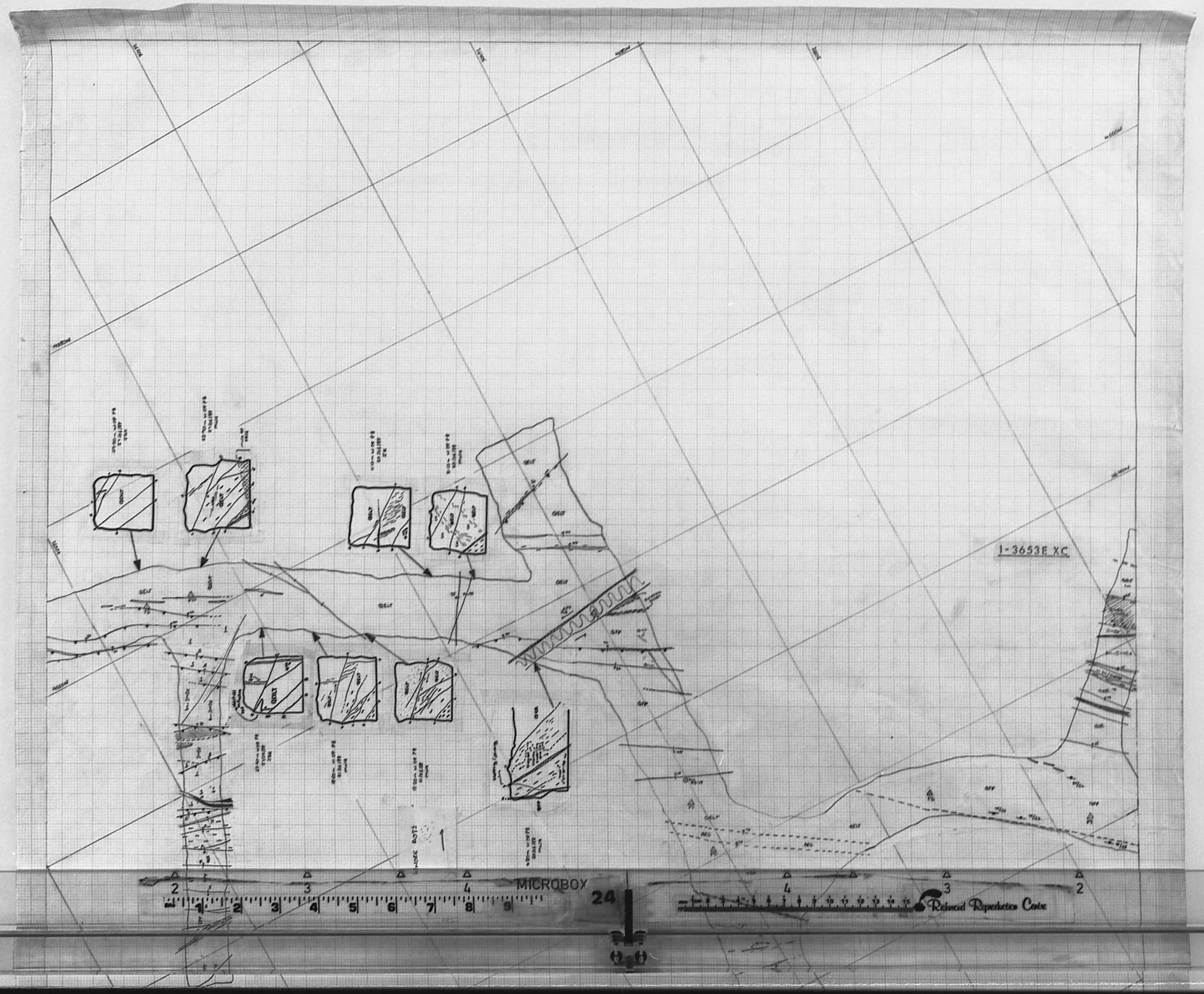
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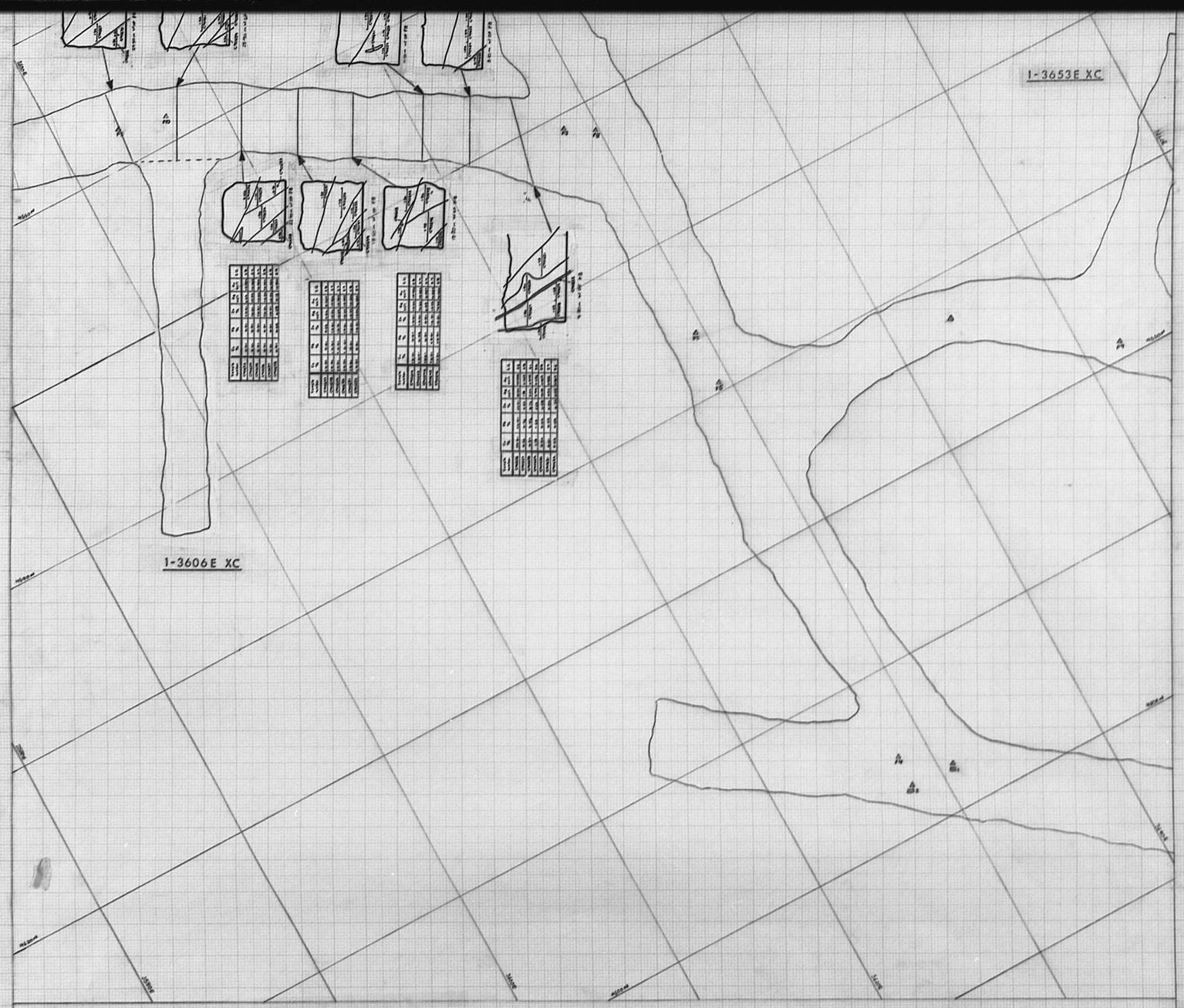

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ABERMIN CORPORATION			
LARA PROJECT - CORONATION ZONE 600 LEVEL			
3630EXC/1-W DR - FACE ASSAYS			
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OCTOBER 1988	1 : 100	92E / 12W	1W-A1/mm

MICROBOX 24
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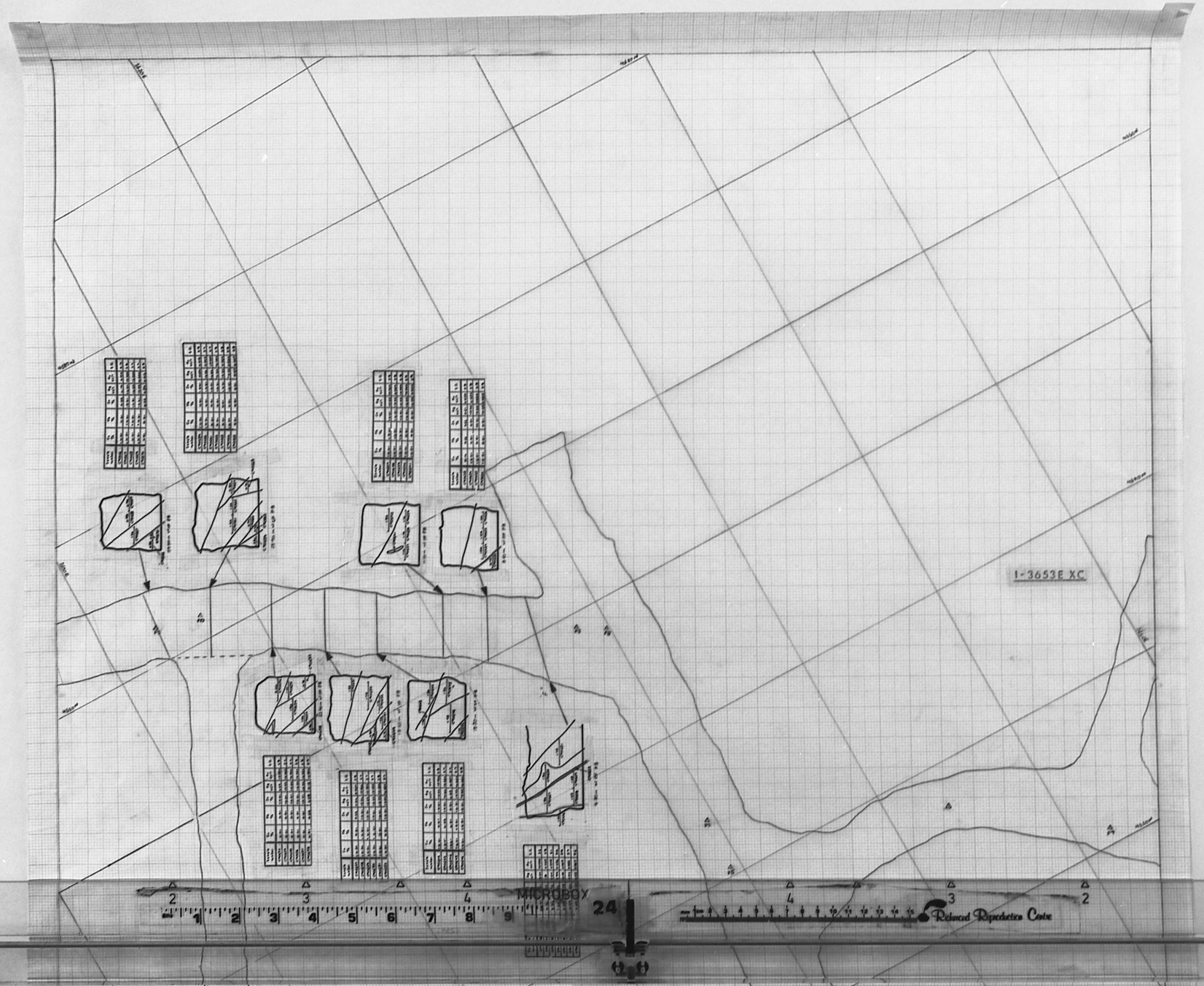
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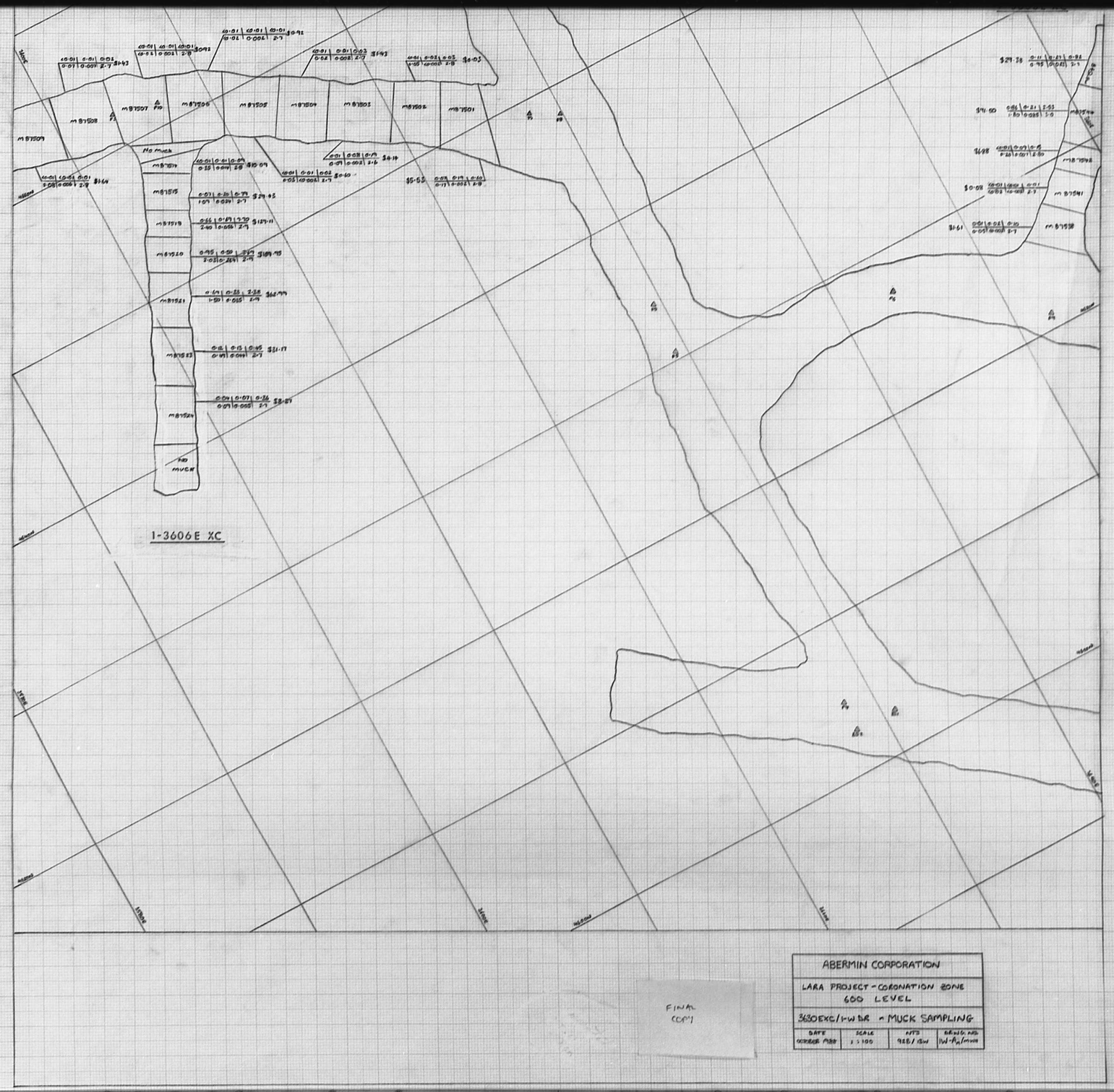

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ABERMIN CORPORATION
LARA PROJECT - CORONATION ZONE
600 LEVEL
3630EXC/1-W DR - MUCK SAMPLING
DATE
OCTOBER 1988
SCALE
1:100
NTS
928/13W
DRWG NO.
1W-A/MWH
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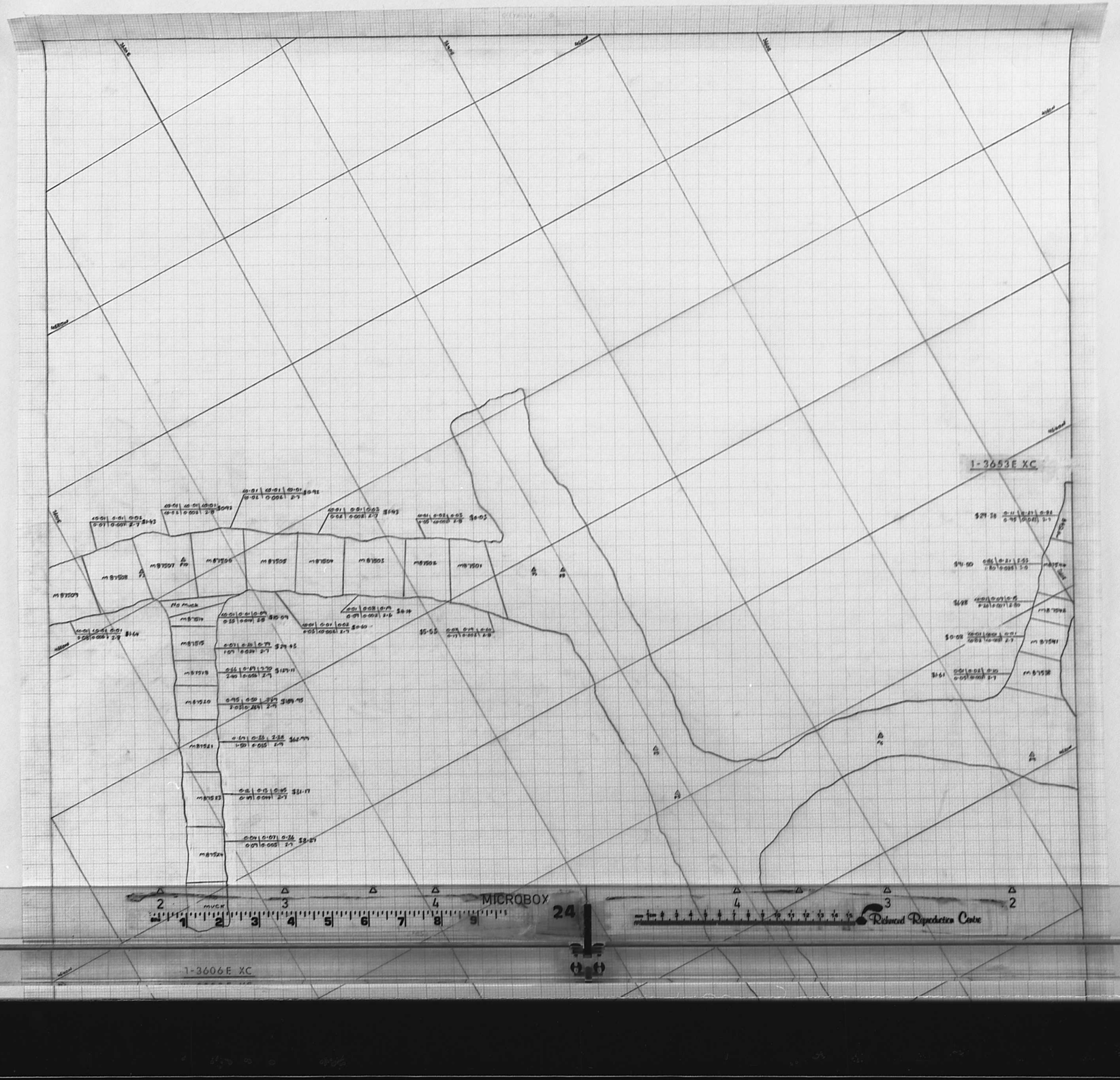
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1-3606E XC
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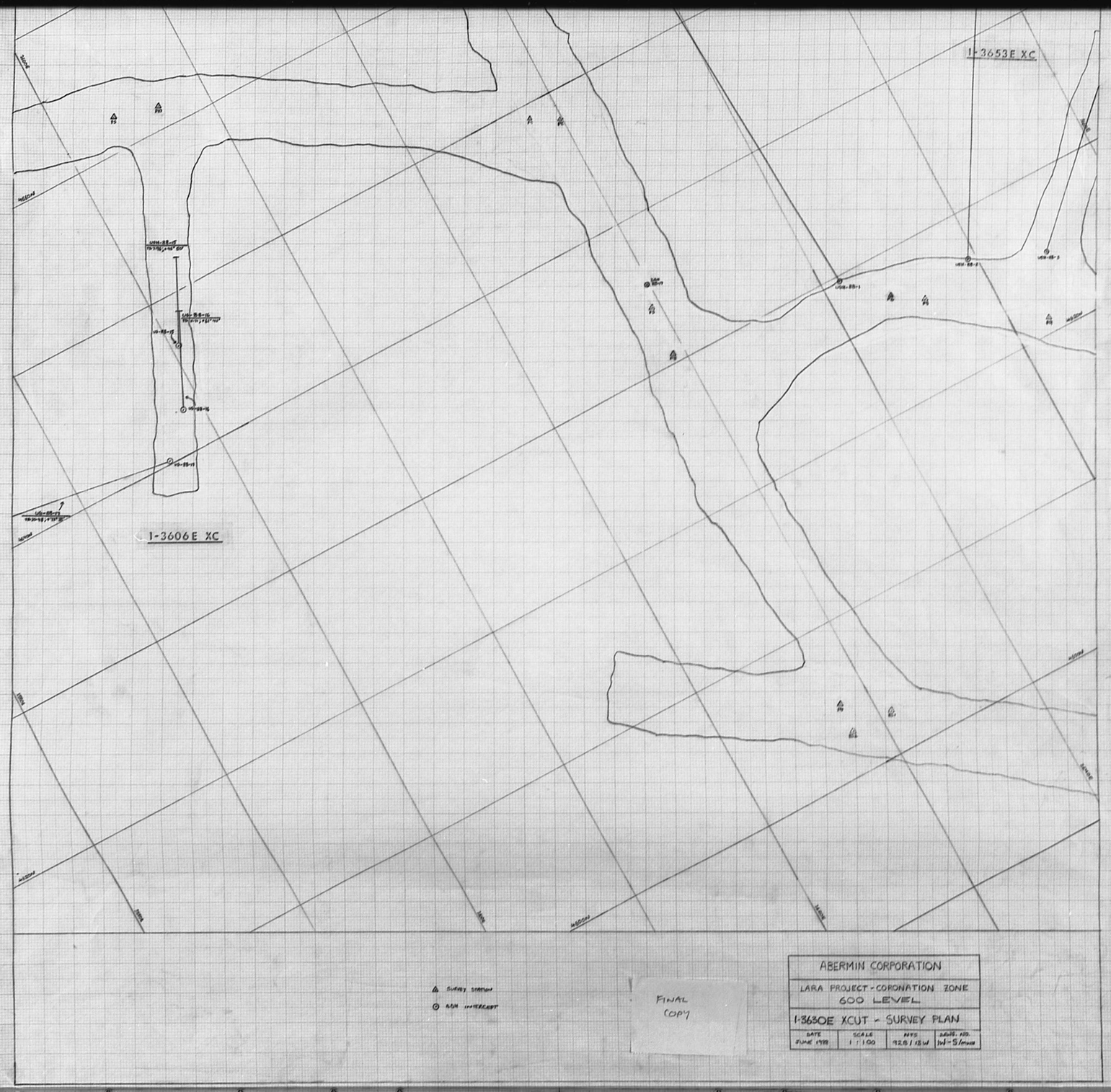

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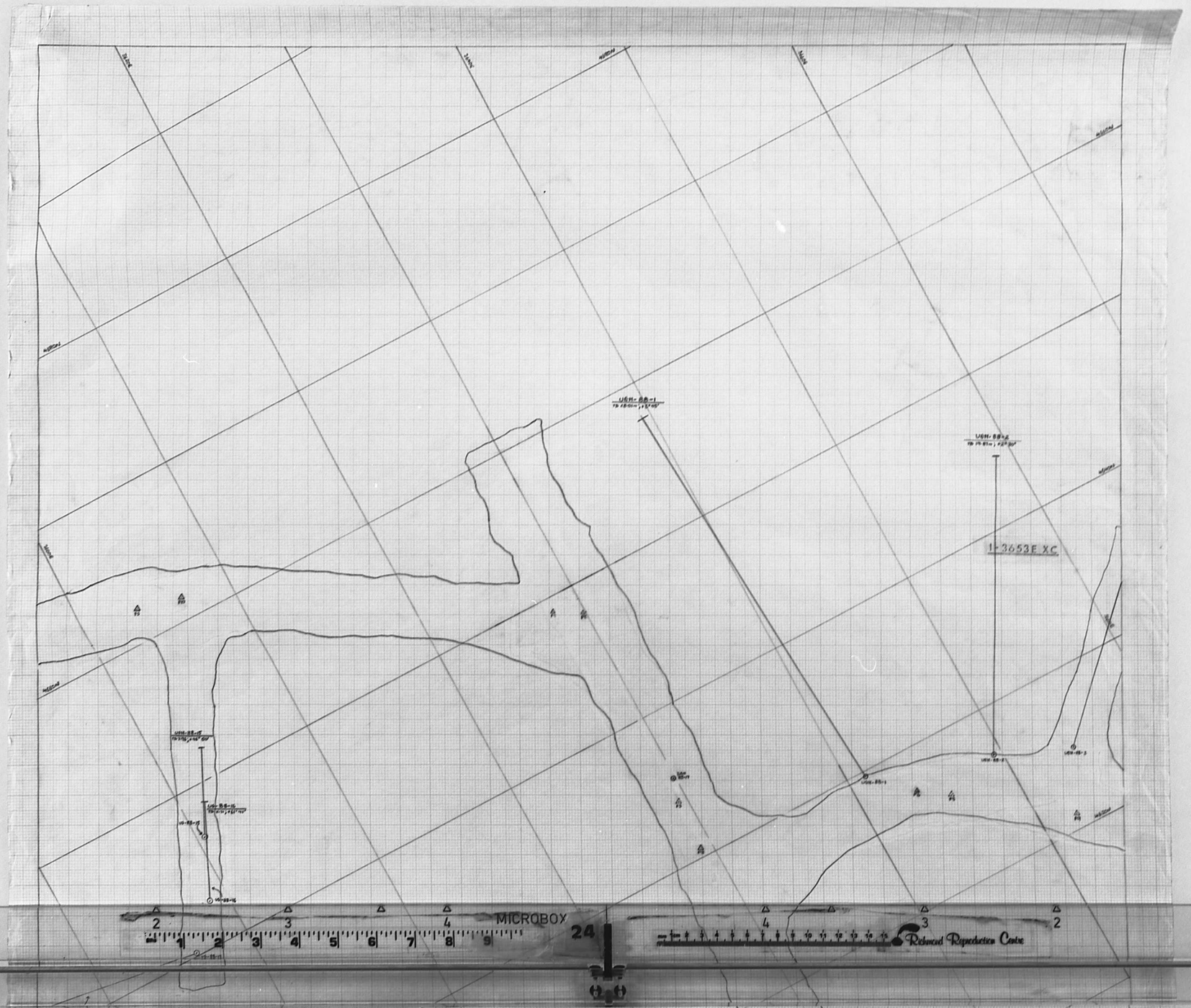
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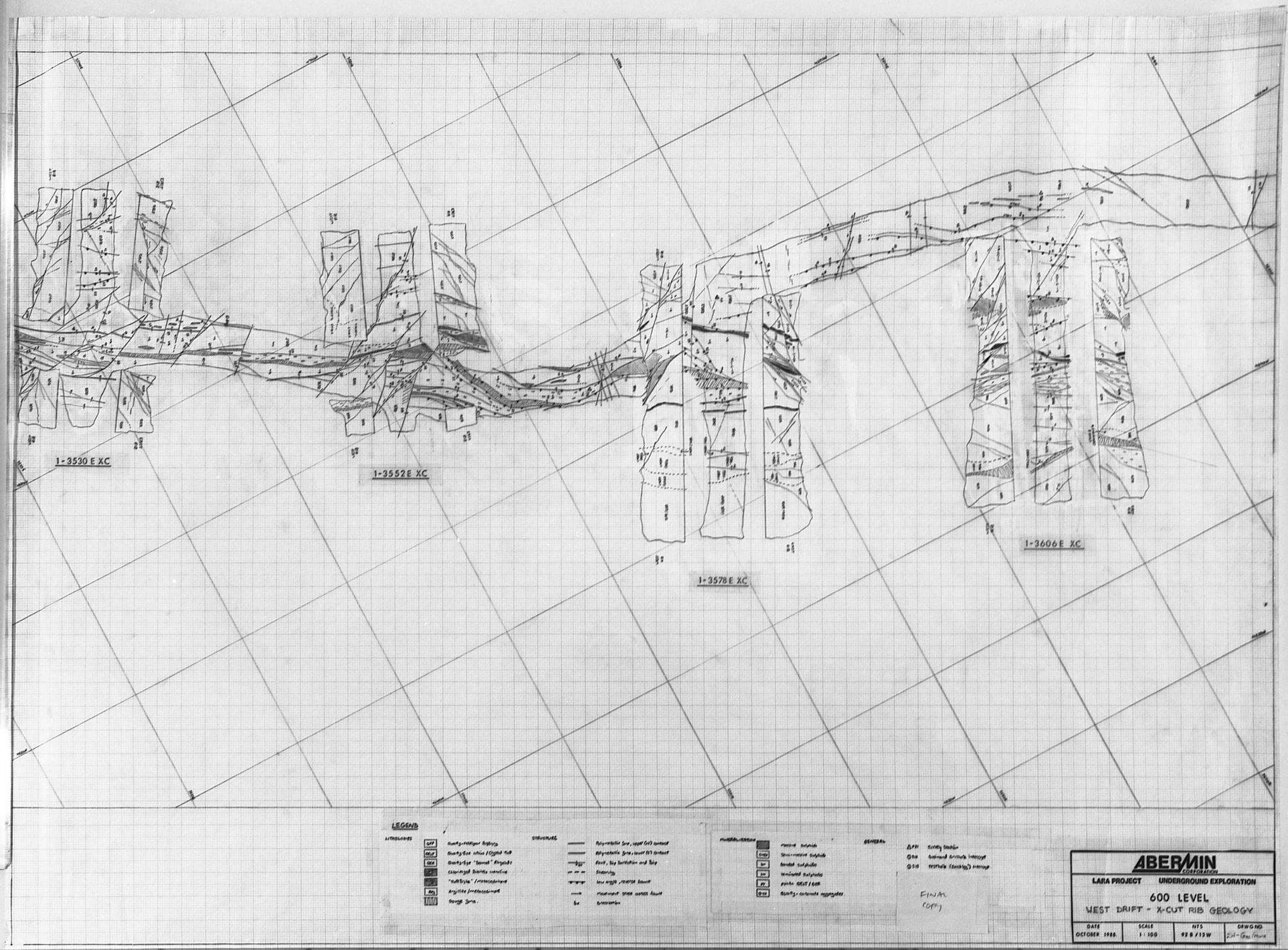
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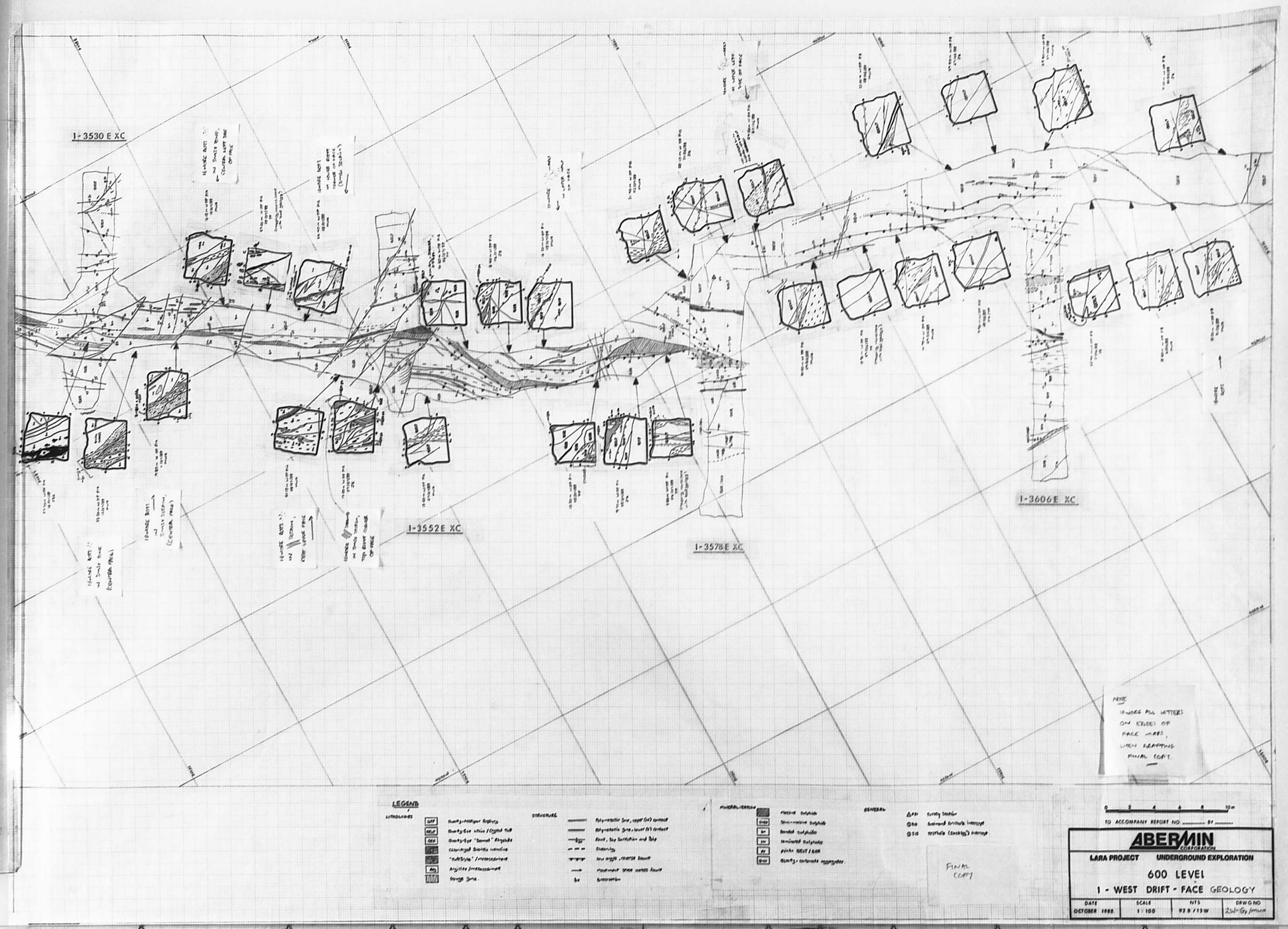
LEGEND
LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
FINAL COPY
ABERMIN CORPORATION
LARA PROJECT
UNDERGROUND EXPLORATION
600 LEVEL
WEST DRIFT - X-CUT RIB GEOLOGY
DATE
OCTOBER 1988.
SCALE
1:100
NTS
92 B / 13 W
DRWG NO.
MICROBOX
24
Reduced Reproduction Centre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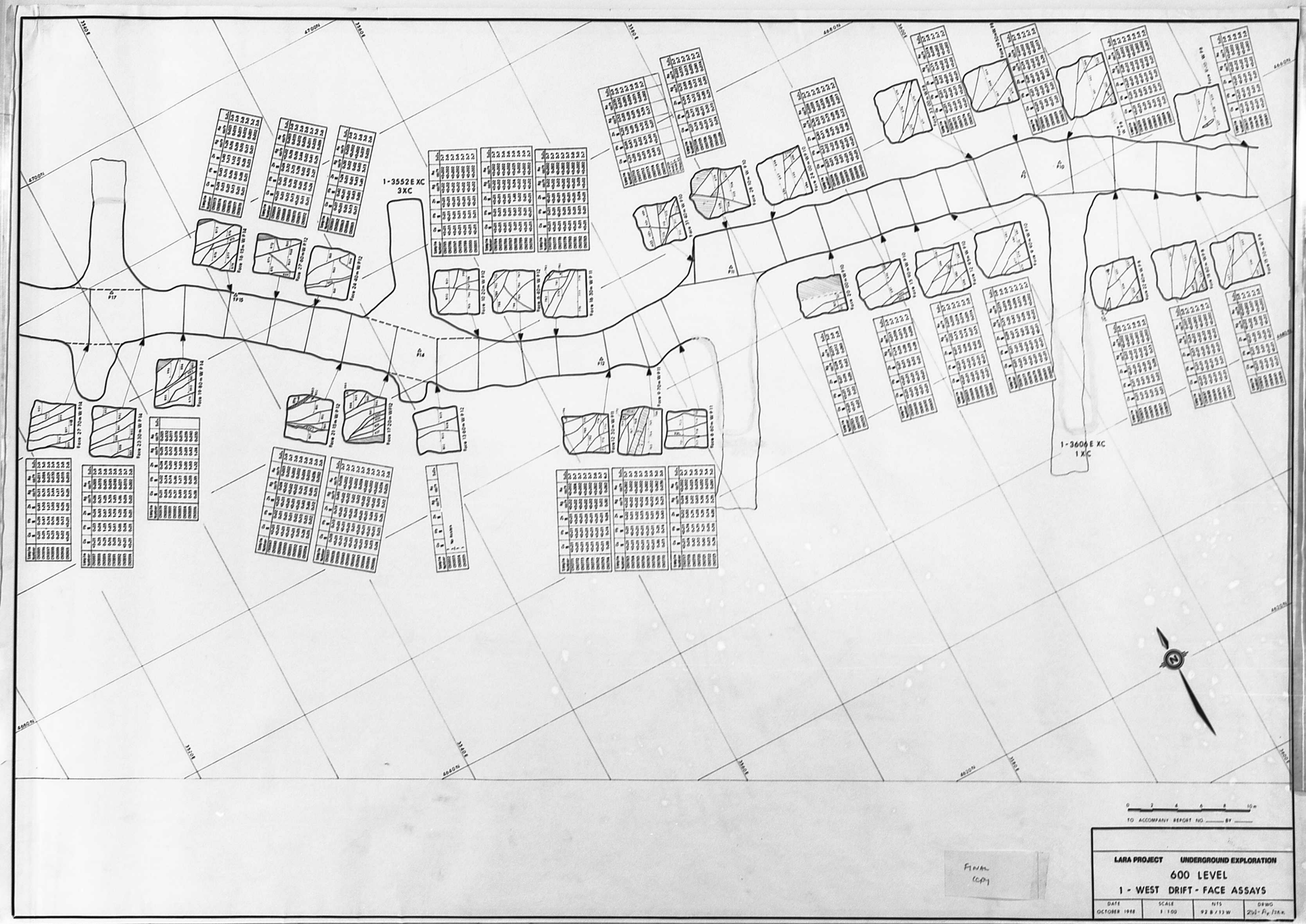
NOTE
IGNORE ALL LETTERS ON EDGES OF FACE MAPS, WHEN DRAFTING FINAL COPY.
LEGEND
LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
FINAL COPY
TO ACCOMPANY REPORT NO. ____ BY ____
ABERMIN CORPORATION
LARA PROJECT UNDERGROUND EXPLORATION
600 LEVEL
1 - WEST DRIFT - FACE GEOLOGY
DATE OCTOBER 1988.
SCALE 1:100
NTS 92 B / 13 W
DRWG NO 2W-G1/MWR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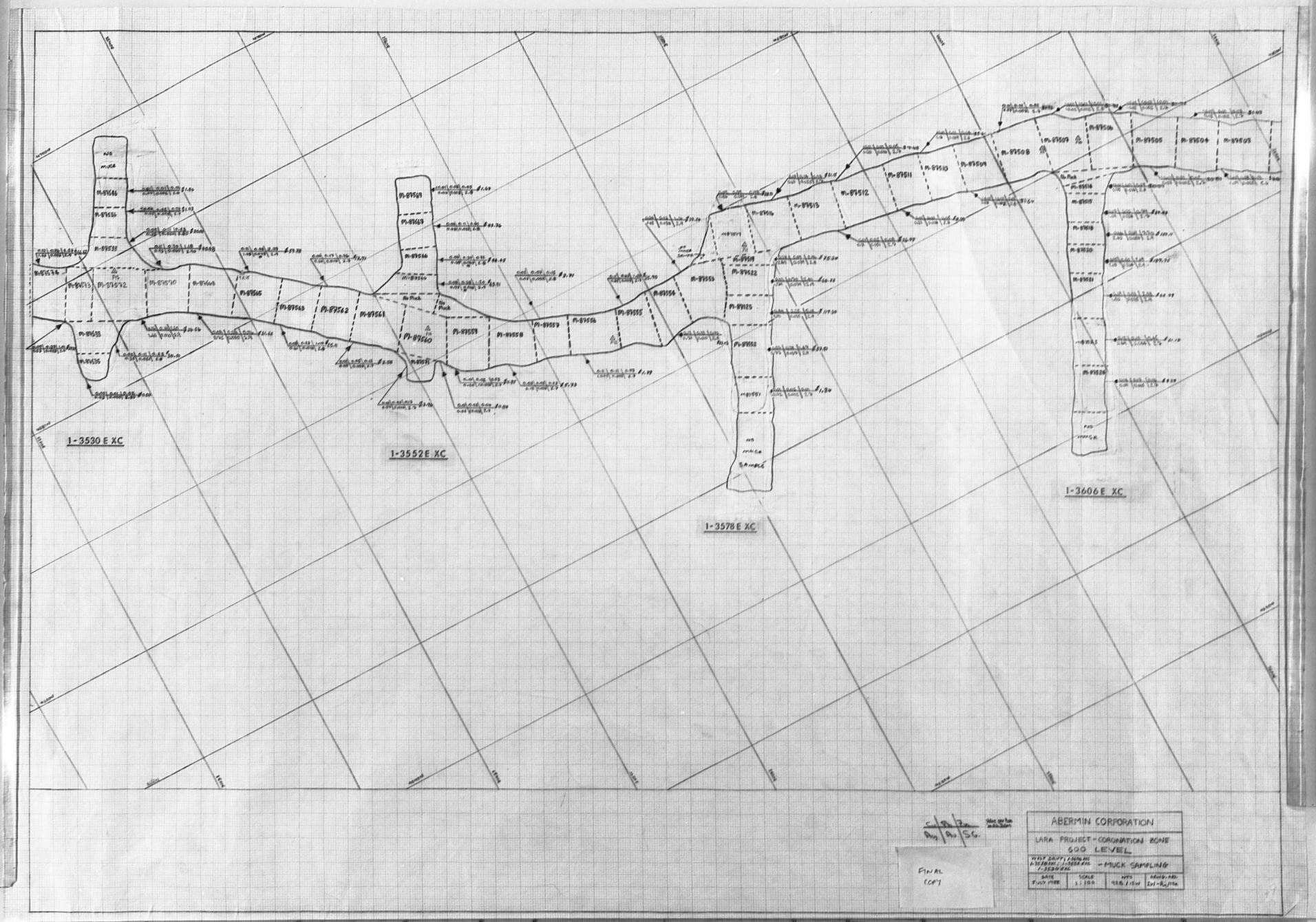
1XC
0 2 4 6 8 10 m
TO ACCOMPANY REPORT NO. ____ BY ____
LARA PROJECT UNDERGROUND EXPLORATION
600 LEVEL
1 - WEST DRIFT - FACE ASSAYS
DATE OCTOBER 1988
SCALE 1:100
NTS 92 B/13 W
DRWG
FINAL COPY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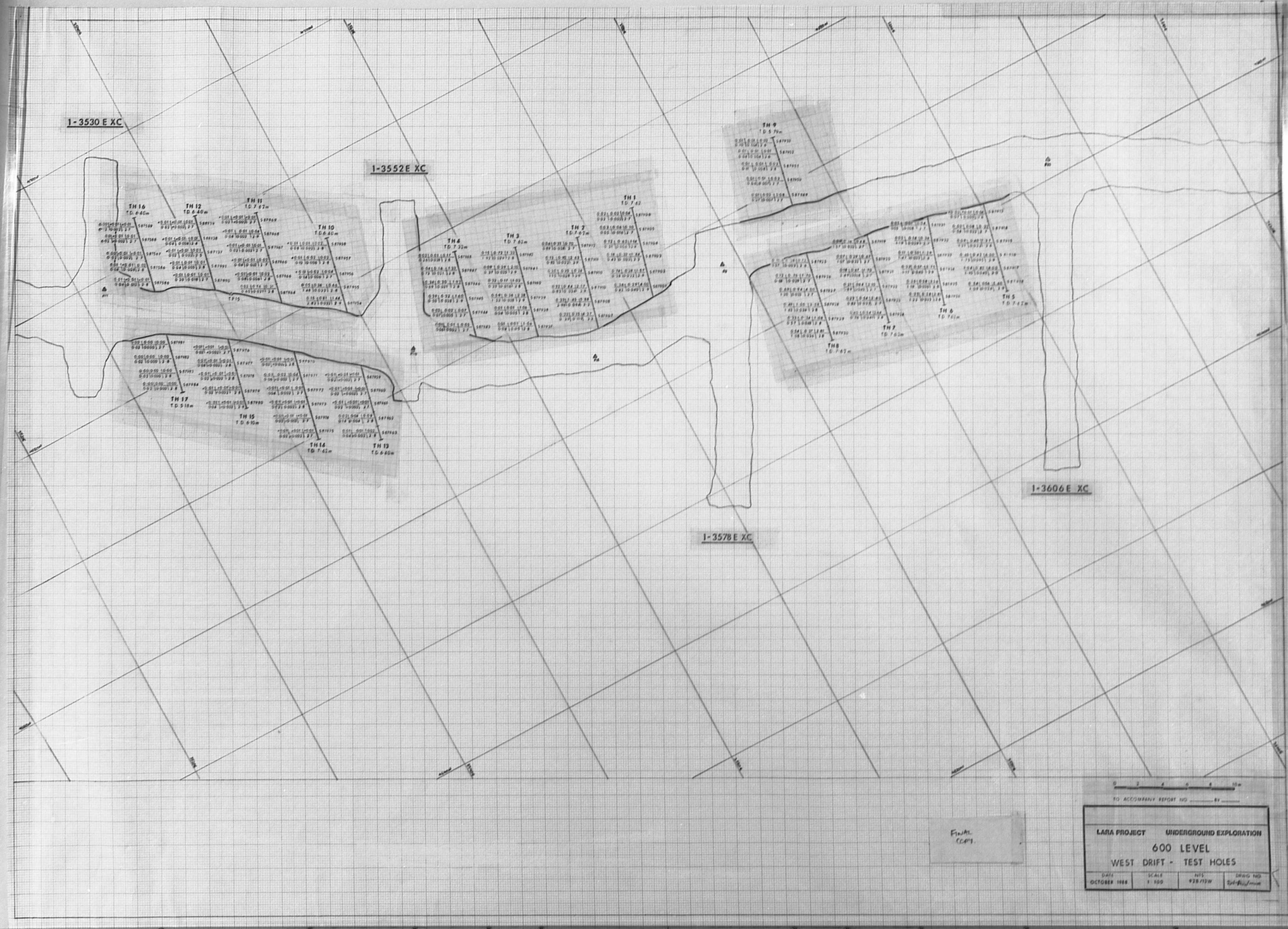
ABERMIN CORPORATION
LARA PROJECT - CORONATION ZONE
600 LEVEL
- MUCK SAMPLING
FINAL COPY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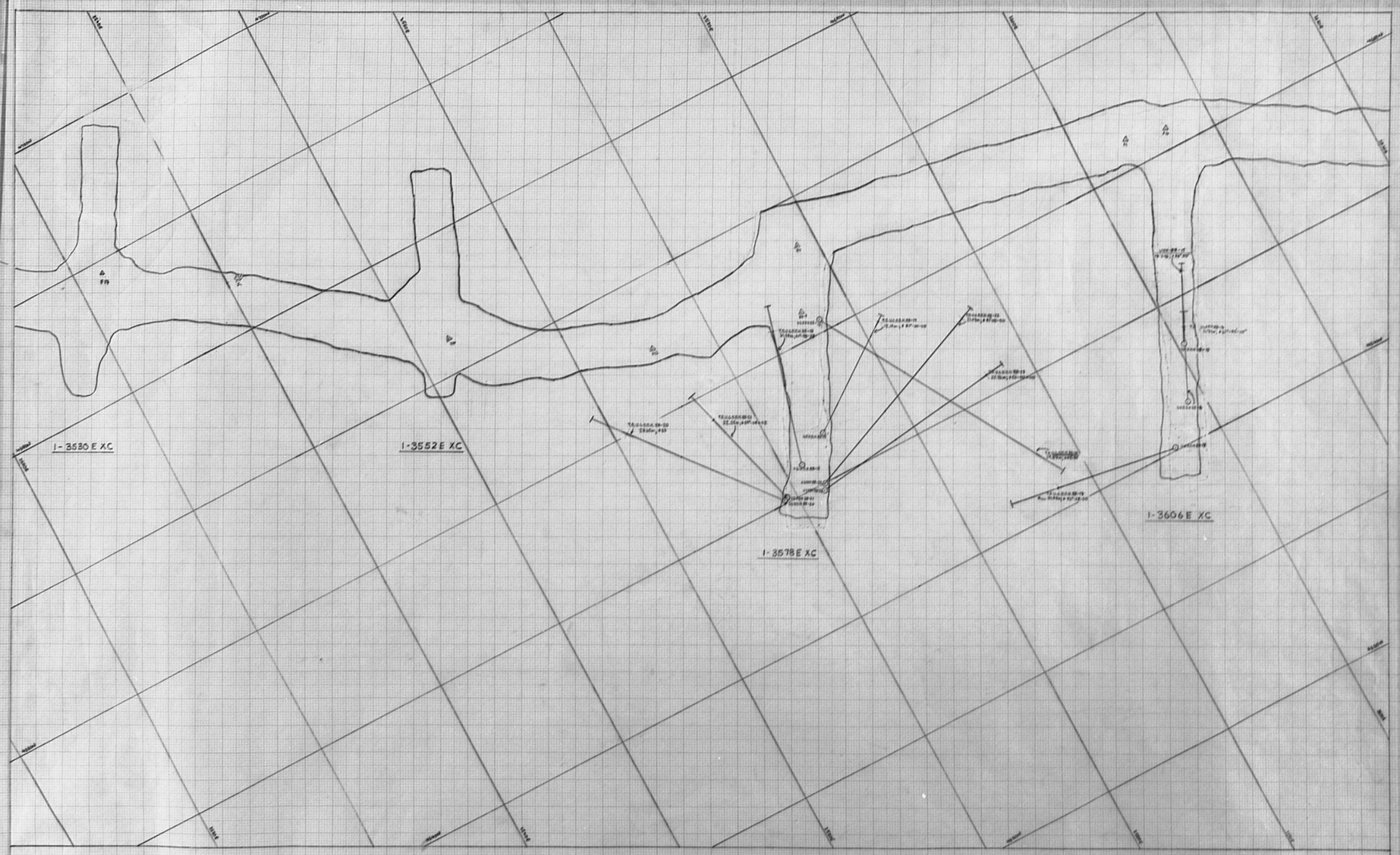
TH 12
TH 11
TH 10
TH 4
TH 3
TH 2
TH 1
TH 9
TH 5
TH 6
TH 7
TH 8
TH 17
TH 15
TH 14
TH 13
FINAL COPY.
TO ACCOMPANY REPORT NO ____ BY ____
LARA PROJECT
UNDERGROUND EXPLORATION
600 LEVEL
WEST DRIFT - TEST HOLES
DATE
OCTOBER 1988
SCALE
1:100
NTS
92B/13W
DRWG NO



FINAL COPY

ABERMIN CORPORATION			
LARA PROJECT - CORONATION ZONE 600 LEVEL			
1-WEST DRIFT - SURVEY PLAN			
DATE JULY 1975	SCALE 1:100	NTS 928/13W	DRWG. NO. 2W-3/FRA

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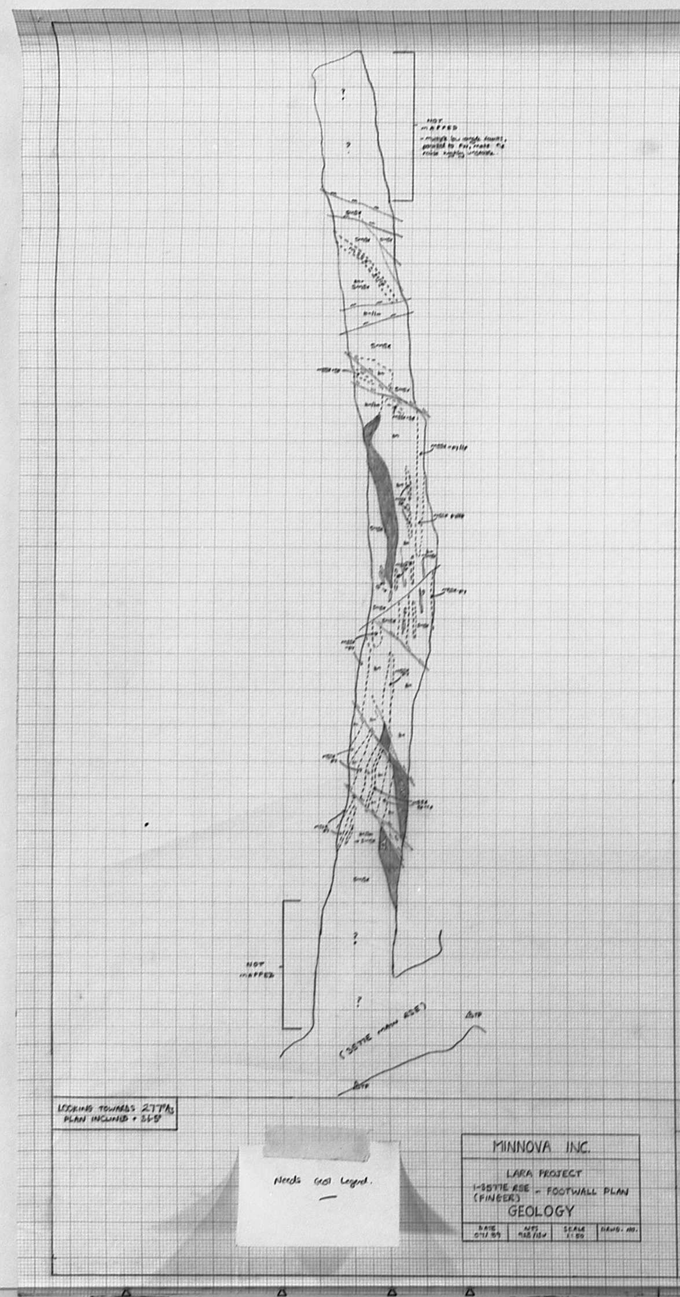

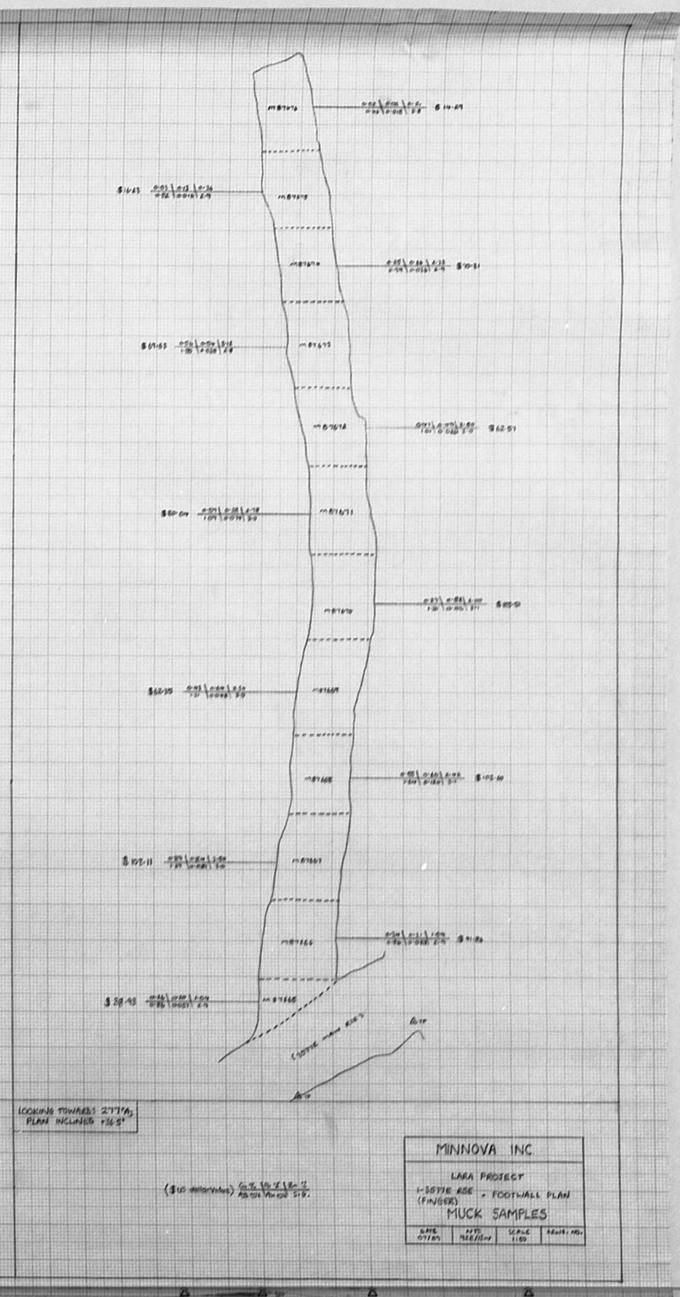

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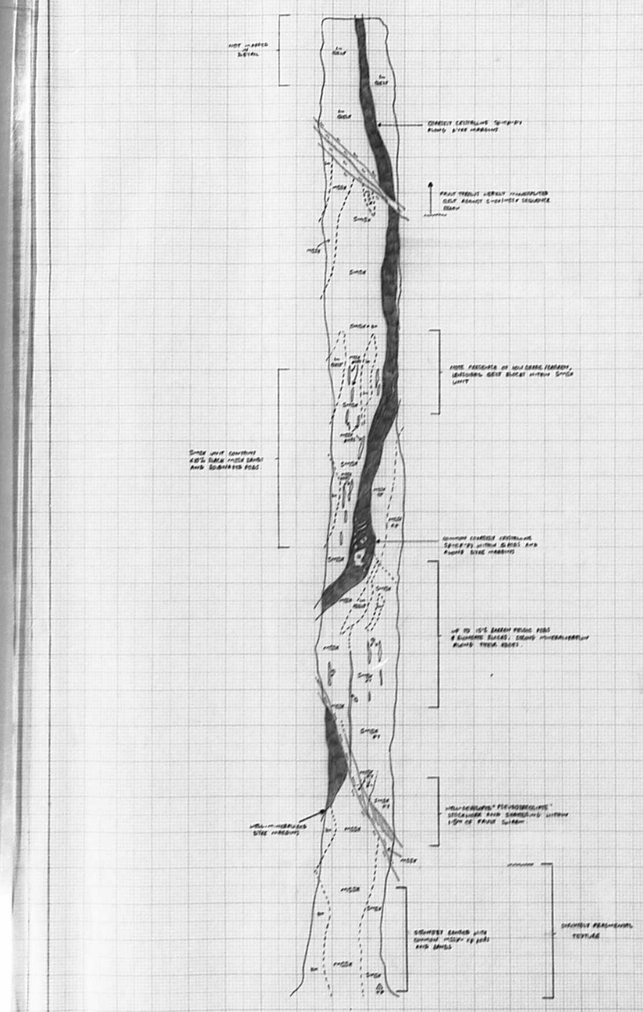
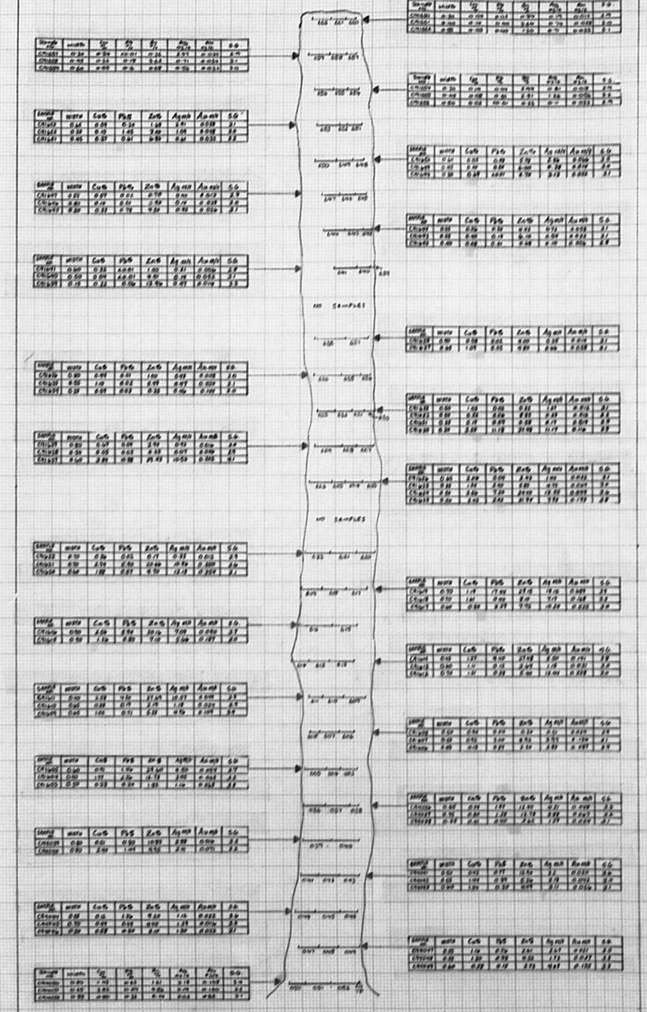


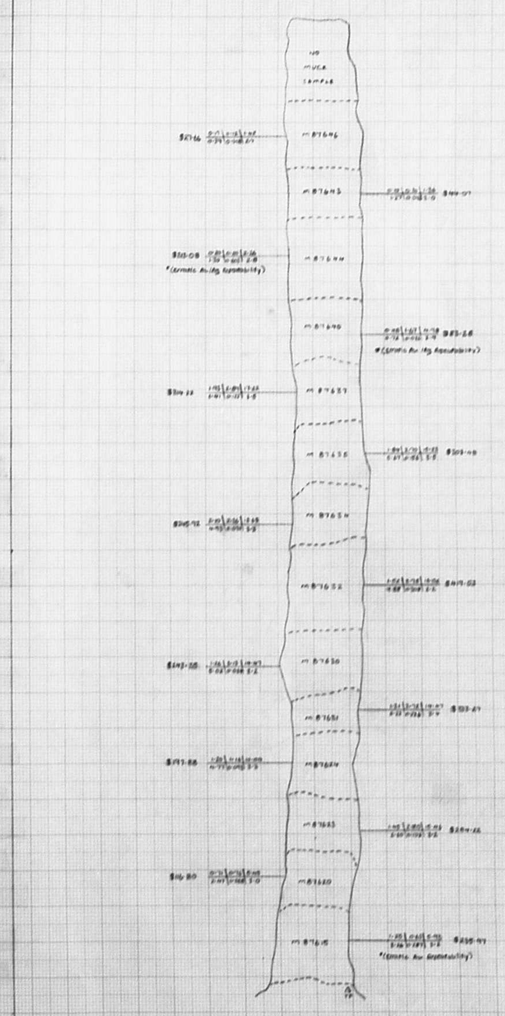
LOOKING TOWARDS 297°Az
PLAN INCLINED +49°

MINNOVA INC.
LARA PROJECT
1-3675E RSE - FOOTWALL PLAN
GEOLOGY



LOOKING TOWARDS 297°Az
PLAN INCLINED +49°

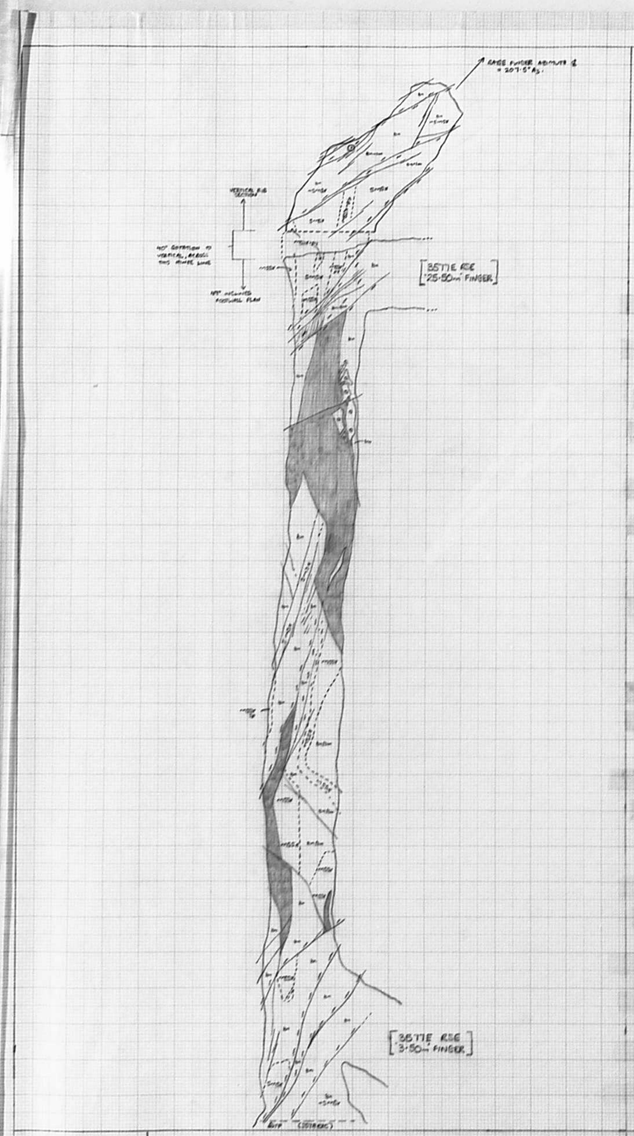
MINNOVA INC.
LARA PROJECT
1-3675E RSE - FOOTWALL PLAN
CHANNEL SAMPLES

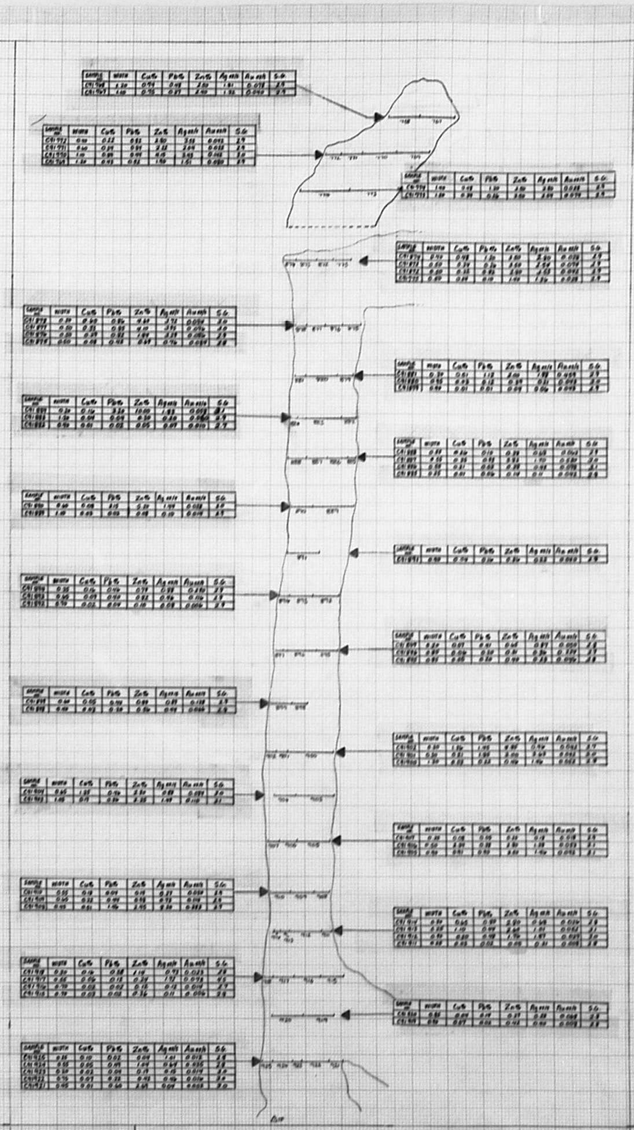


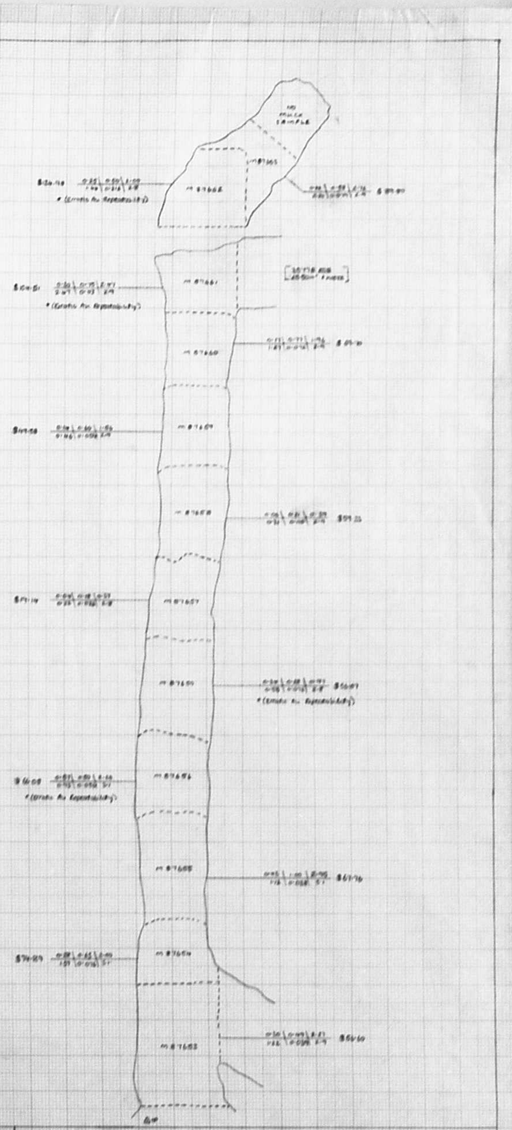
LOOKING TOWARDS 297°Az
PLAN INCLINED +49°

($US Dollar Value) Cu % / Pb % / Zn % / Ag ×1/6 / Au ×1/6 S.G.

MINNOVA INC.
LARA PROJECT
1-3675E RSE - FOOTWALL PLAN
MUCK SAMPLES







MINNOVA INC.
LARA PROJECT
I-35TIE RISE - FOOTWALL PLAN
GEOLOGY

MINNOVA INC.
LARA PROJECT
I-35TIE RISE - FOOTWALL PLAN
CHANNEL SAMPLES

MINNOVA INC.
LARA PROJECT
I-35TIE RISE - FOOTWALL PLAN
MUCK SAMPLES

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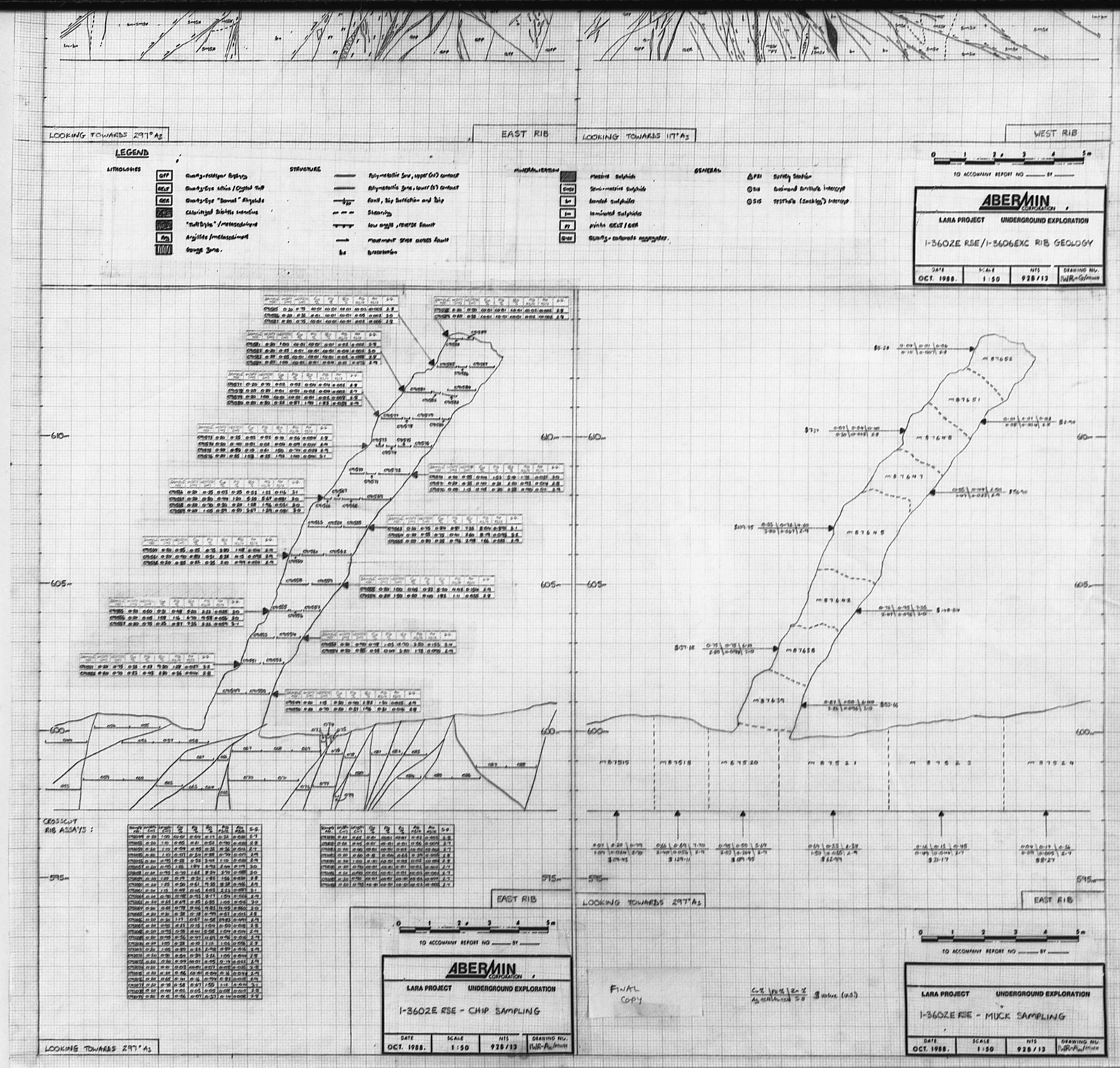
LOOKING TOWARDS 297° Az
EAST RIB
LOOKING TOWARDS 117° Az
WEST RIB
LEGEND
LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
TO ACCOMPANY REPORT NO ___ BY ___
ABERMIN CORPORATION
LARA PROJECT UNDERGROUND EXPLORATION
1-3602E RSE/1-3606EXC RIB GEOLOGY
DATE OCT. 1988.
SCALE 1:50
NTS 92B/13
DRAWING NO. IWR-G/MWH
CROSSCUT RIB ASSAYS :
LOOKING TOWARDS 297° Az
EAST RIB
LARA PROJECT UNDERGROUND EXPLORATION
1-3602E RSE - CHIP SAMPLING
DATE OCT. 1988.
SCALE 1:50
NTS 92B/13
DRAWING NO. IWR-A/MWH
FINAL COPY
LARA PROJECT UNDERGROUND EXPLORATION
1-3602E RSE - MUCK SAMPLING
DATE OCT. 1988.
SCALE 1:50
NTS 92B/13
DRAWING NO. IWR-A/MWH
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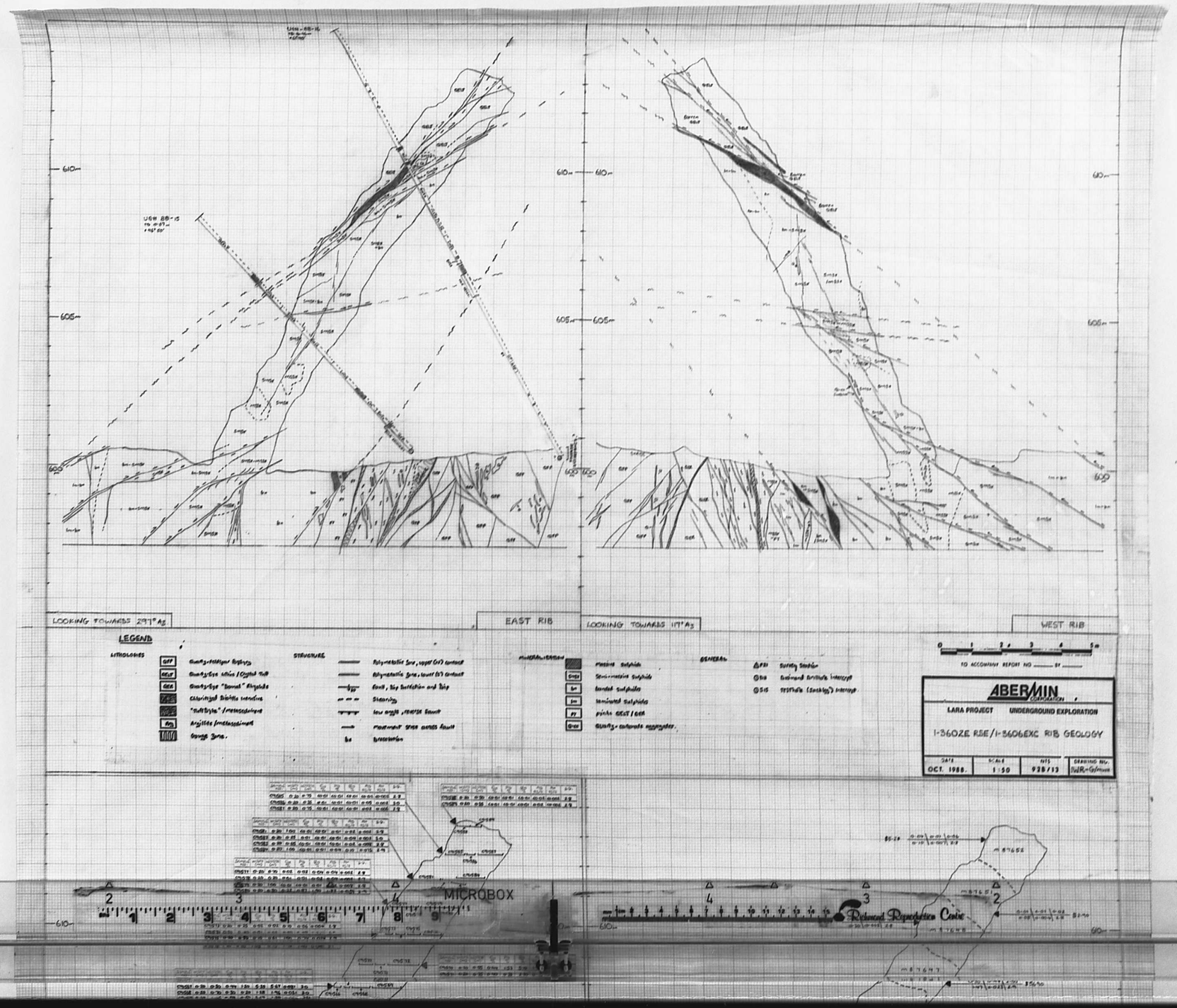
610m
605m
LOOKING TOWARDS 297° Az
EAST RIB
LOOKING TOWARDS 117° Az
WEST RIB
LEGEND
LITHOLOGIES
STRUCTURES
MINERALISATION
GENERAL
TO ACCOMPANY REPORT NO ——— BY ———
ABERMIN CORPORATION
LARA PROJECT UNDERGROUND EXPLORATION
I-3602E RISE/I-3606EXC RIB GEOLOGY
DATE OCT. 1988.
SCALE 1:50
FILE 928/13
DRAWING No.
MICROBOX
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LOOKING TOWARDS 133°A3 | NOTE - DH 152 DOES NOT INTERSECT THE FACE. | EAST RIB | LOOKING TOWARDS 313°A3 | WEST RIB

595m

DAB6-131

LEGEND

LITHOLOGIES

- QFP — Quartz-feldspar porphyry
- QFLP — Quartz-eye schist / Crystal Tuff
- QEK — Quartz-Eye "Banded" Argillite
- Carbonized Biotite bearing
- "Cutt Beds" / metasediments
- Argillite / metasediment
- Gouge Zone.

STRUCTURES

- Polymictic Syn, upper (U) contact
- Polymictic Syn, lower (L) contact
- Fault; Dip Direction and Dip
- Shearing
- Low angle, reverse fault
- movement from earlier fault
- bx — brecciation

MINERALIZATION

- massive sulphide
- Semi-massive Sulphide
- banded sulphides
- laminated sulphides
- pyrite QFLP / QEK
- Quartz-carbonate aggregates.

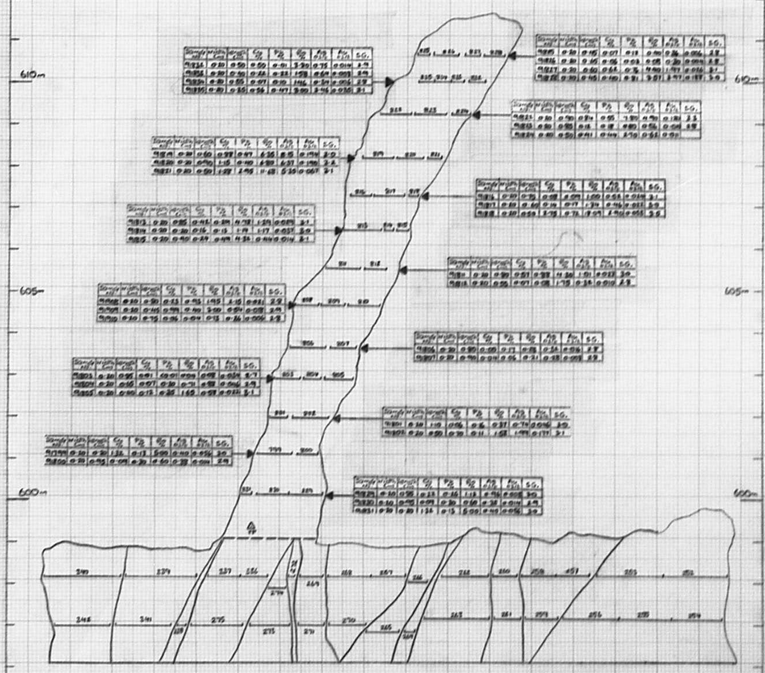
GENERAL

- DDH — Surface Diamond Drill Hole
- Underground Diamond Drill Intercept
- Stockpile (Sampling) Intercept

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO ..... BY .....

LARA PROJECT	UNDERGROUND EXPLORATION		
I-3662E RSE/I-3658EXC RIB GEOLOGY			
DATE: OCT. 1988.	SCALE: 1:50	NTS: 93B/13	DRAWING NO: D-



EAST RIB

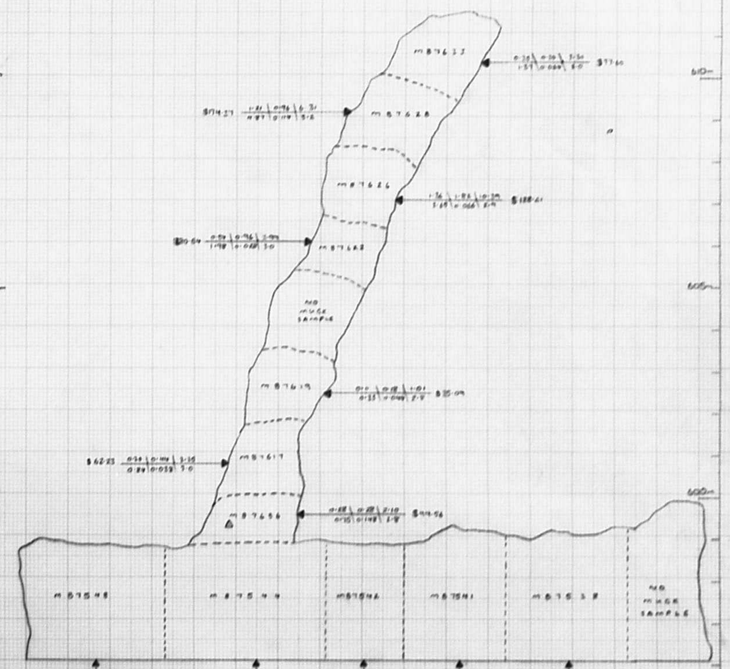
0 1 2 3 4 5m

TO ACCOMPANY REPORT NO ..... BY .....

ABERMIN CORPORATION

LARA PROJECT	UNDERGROUND EXPLORATION		
I-3662E RSE - CHIP SAMPLING			
DATE: OCT. 1988.	SCALE: 1:50	NTS: 93B/13	DRAWING NO: D-

LOOKING TOWARDS 133°A3



EAST RIB

0 1 2 3 4 5m

TO ACCOMPANY REPORT NO ..... BY .....

LARA PROJECT	UNDERGROUND EXPLORATION		
I-3662E RSE - MUCK SAMPLING			
DATE: OCT. 1988.	SCALE: 1:50	NTS: 93B/13	DRAWING NO: D-

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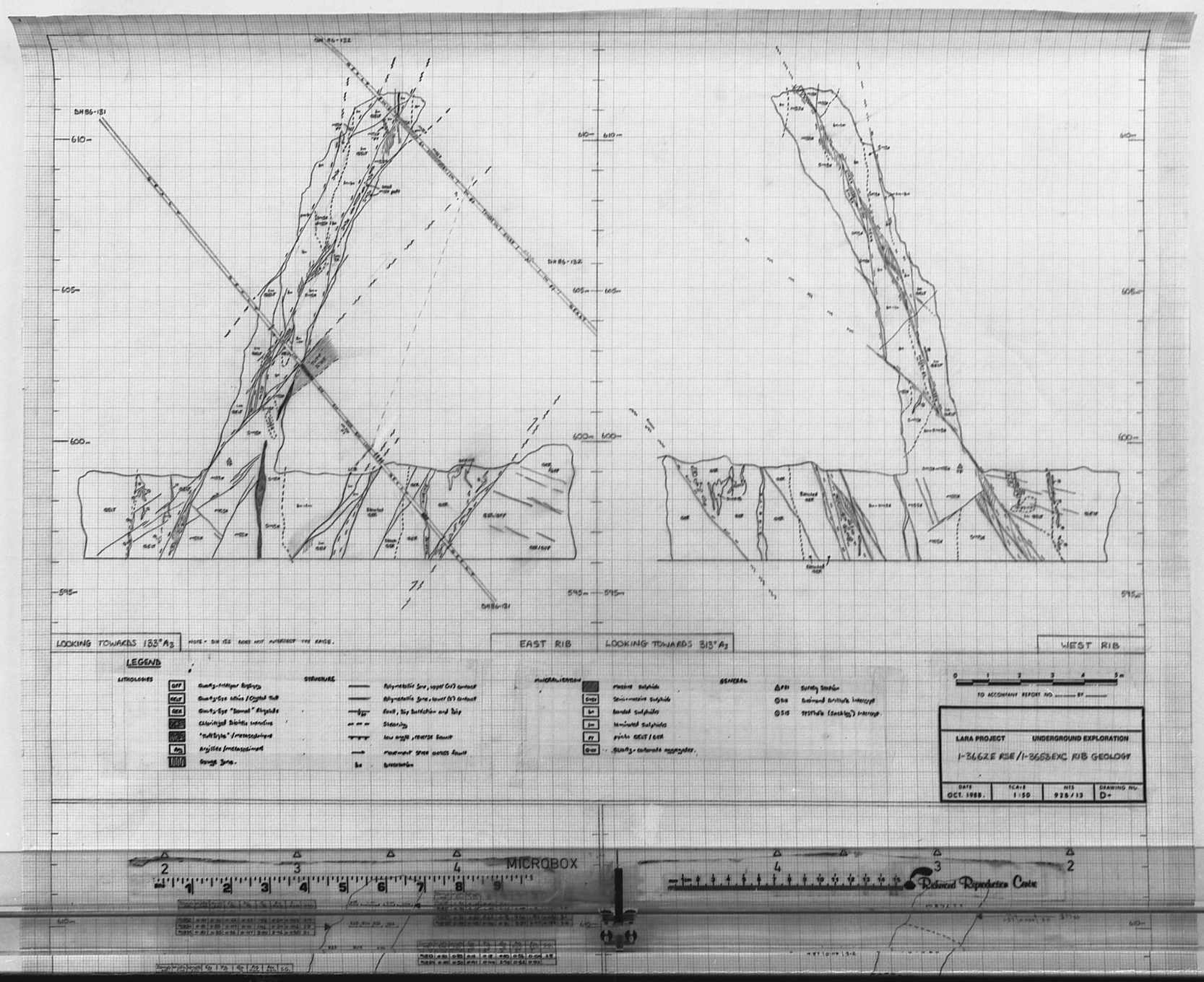

DH86-131
DH86-132
610m
605m
600m
595m
LOOKING TOWARDS 133°A3
EAST RIB
LOOKING TOWARDS 313°A3
WEST RIB
LEGEND
LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
TO ACCOMPANY REPORT NO. ____ BY ____
LARA PROJECT
UNDERGROUND EXPLORATION
1-3662E RSE/1-3653EXC RIB GEOLOGY
DATE
OCT. 1988.
SCALE
1:50
NTS
92B/13
DRAWING NO.
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LEGEND

LITHOLOGIES

GFP	Quartz-feldspar Porphyry
GEUF	Quartz-Eye Lithic / Crystal Tuff
GER	Quartz-Eye "Dacite" Rhyolite
	Chloritized Dacite intrusive
	"Sulfide" / metasediment
Arg	Argillite / metasediment
	Gouge Zone.

STRUCTURE

	Polymetallic Zone, upper (UV) contact
	Polymetallic Zone, lower (LV) contact
	Fault, Dip Direction and Dip
	Shearing
	Low angle, reverse fault
	Movement sense across fault
bx	Brecciation

MINERALIZATION

	Massive sulphide
SMS	Semi-massive sulphide
bm	banded sulphides
lm	laminated sulphides
py	pyrite GEUF / GER
QSC	Quartz-carbonate aggregates.

GENERAL

△ P81	Surety Section
⊙ D18	Diamond Drillhole Intercept
⊙ S15	Testhole (Sockley) Intercept

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ABERMIN CORPORATION

LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL

EAST DRIFT - X-CUT RIB GEOLOGY

DATE	SCALE	NTS	DRWG NO.
OCTOBER 1988.	1:100	92 B / 13 W	1E - Grafman

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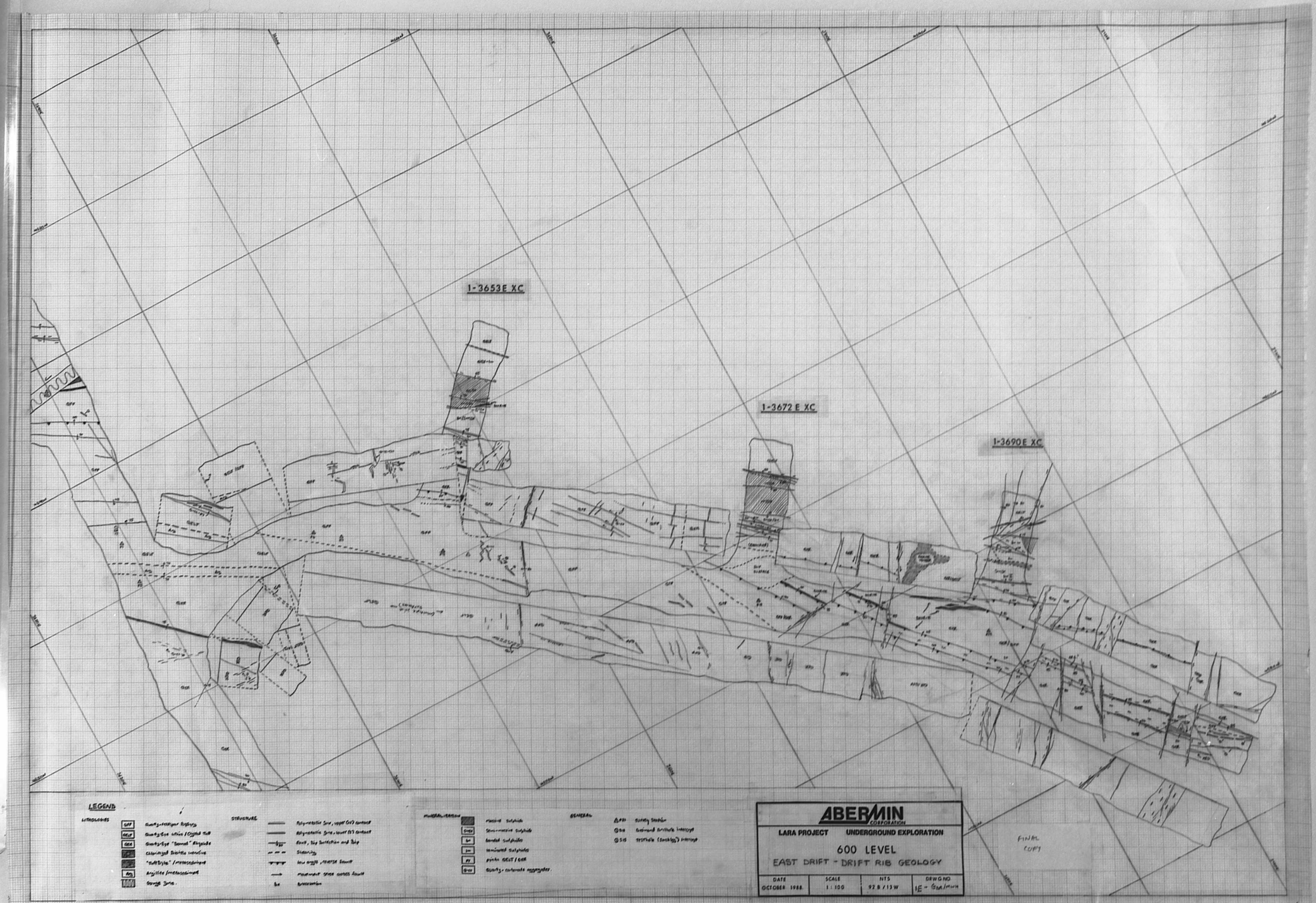

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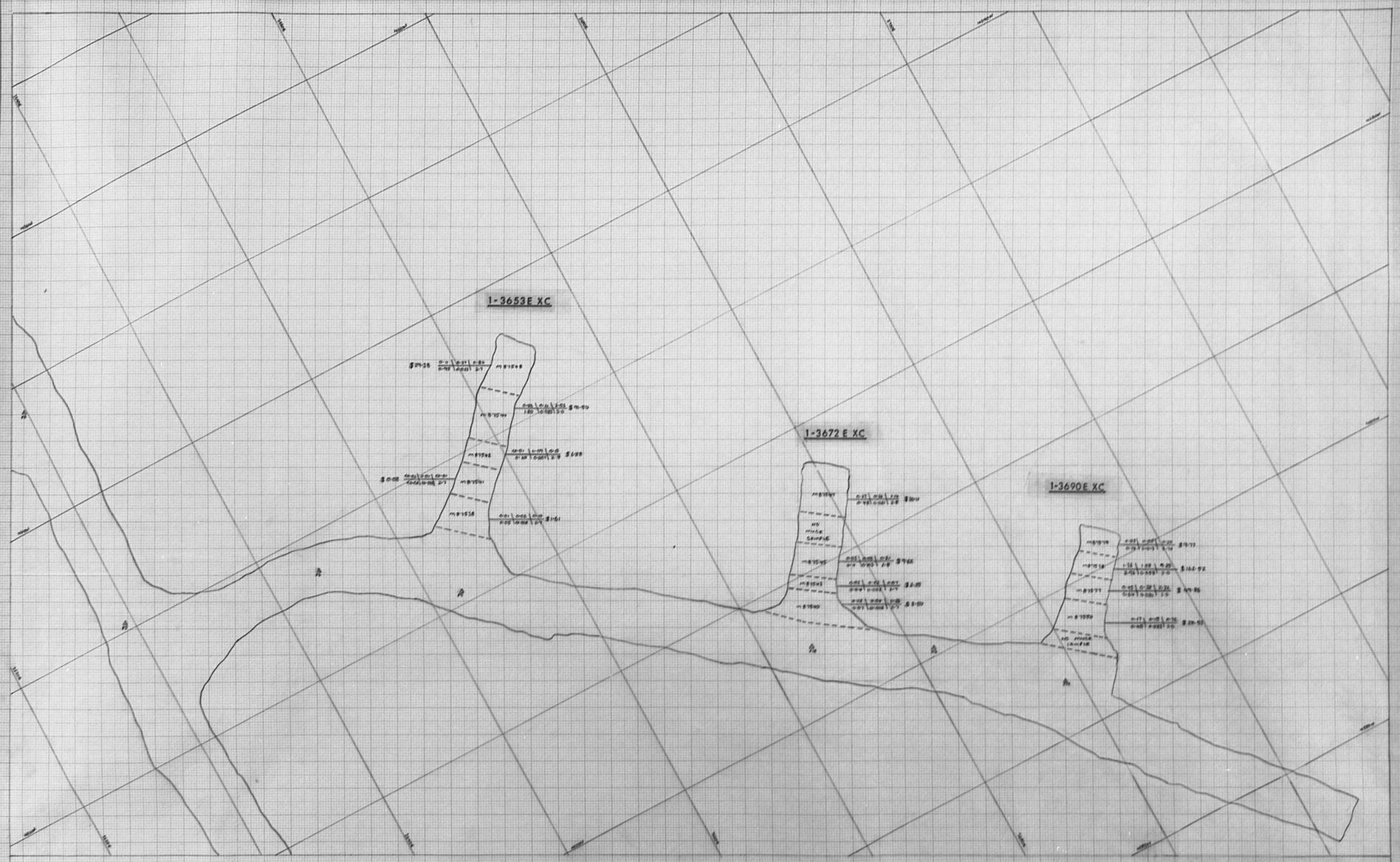
Reduced Reproduction Costs



$ value (US Dollars)

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ABERMIN CORPORATION

LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL

EAST DRIFT - MUCK SAMPLING

DATE	SCALE	NTS	DRWG NO.
OCTOBER 1988.	1:100	92 B / 13 W	1E-Am/mwa

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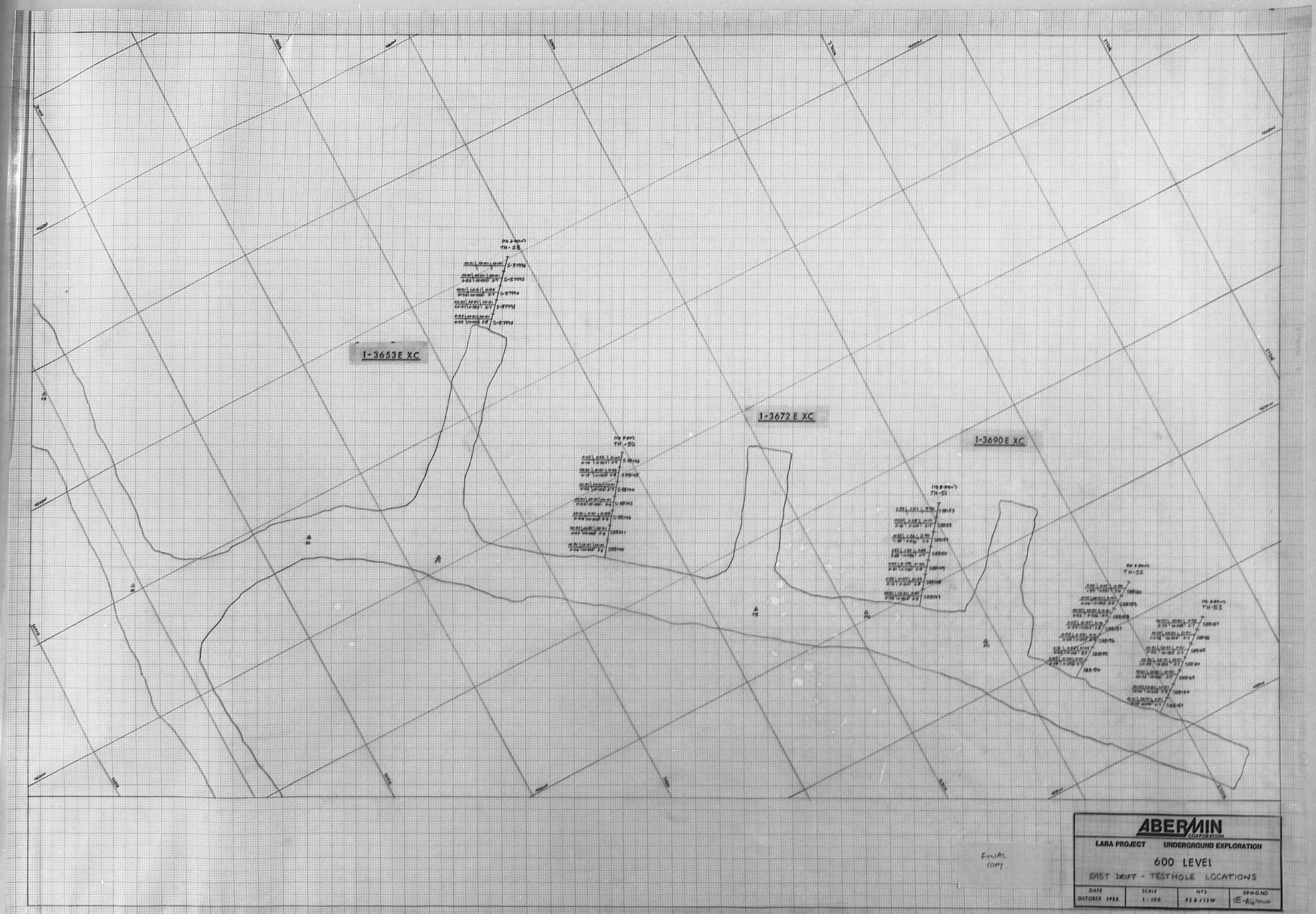
Richmond Reproduction Centre



ABERMIN CORPORATION

LARA PROJECT UNDERGROUND EXPLORATION

600 LEVEL

EAST DRIFT - TESTHOLE LOCATIONS

DATE	SCALE	NTS	DRWG NO.
OCTOBER 1988.	1:100	92B/13W	1E-[illegible]

FINAL (OP)

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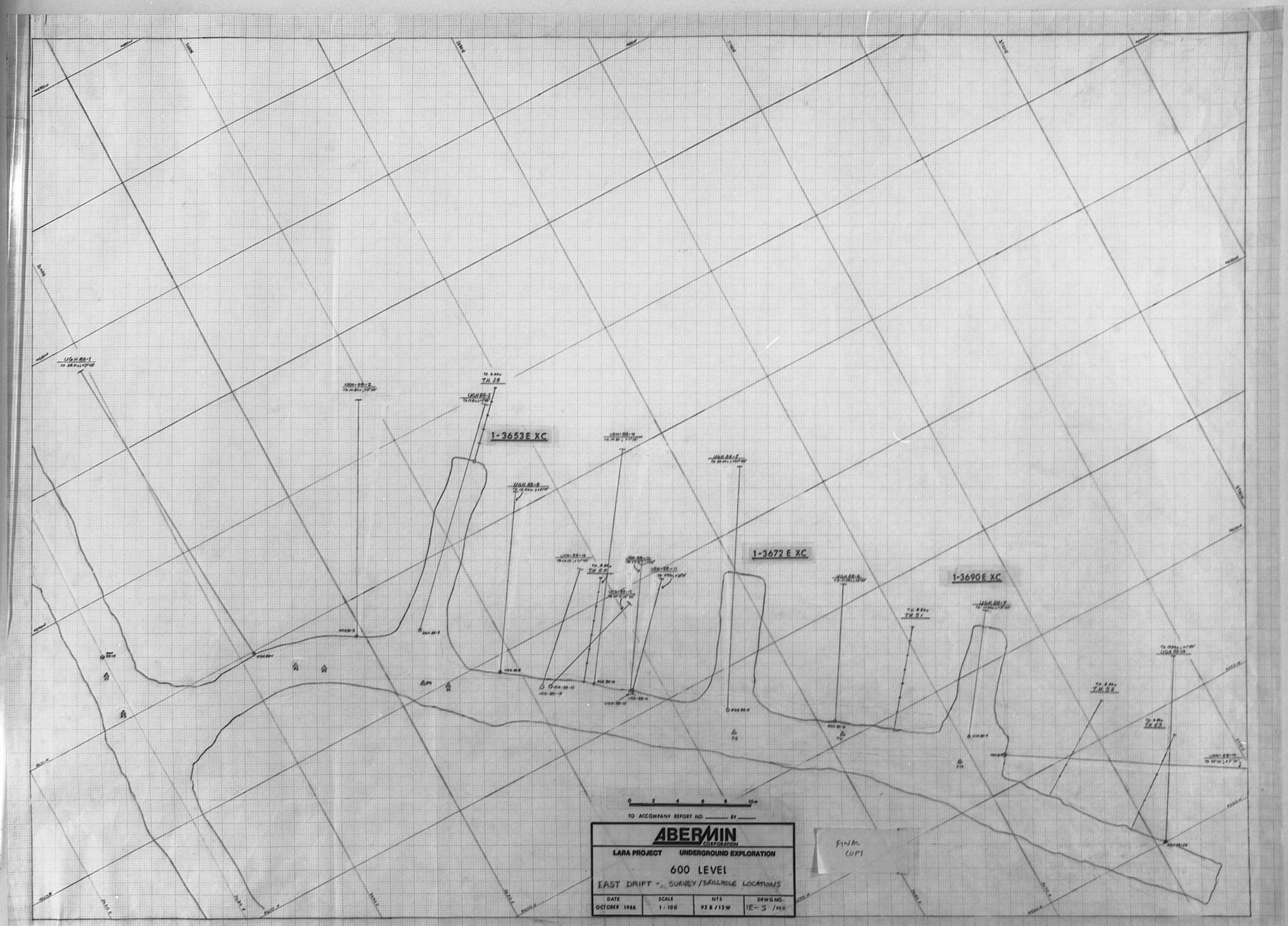
Reduced Reproduction Costs



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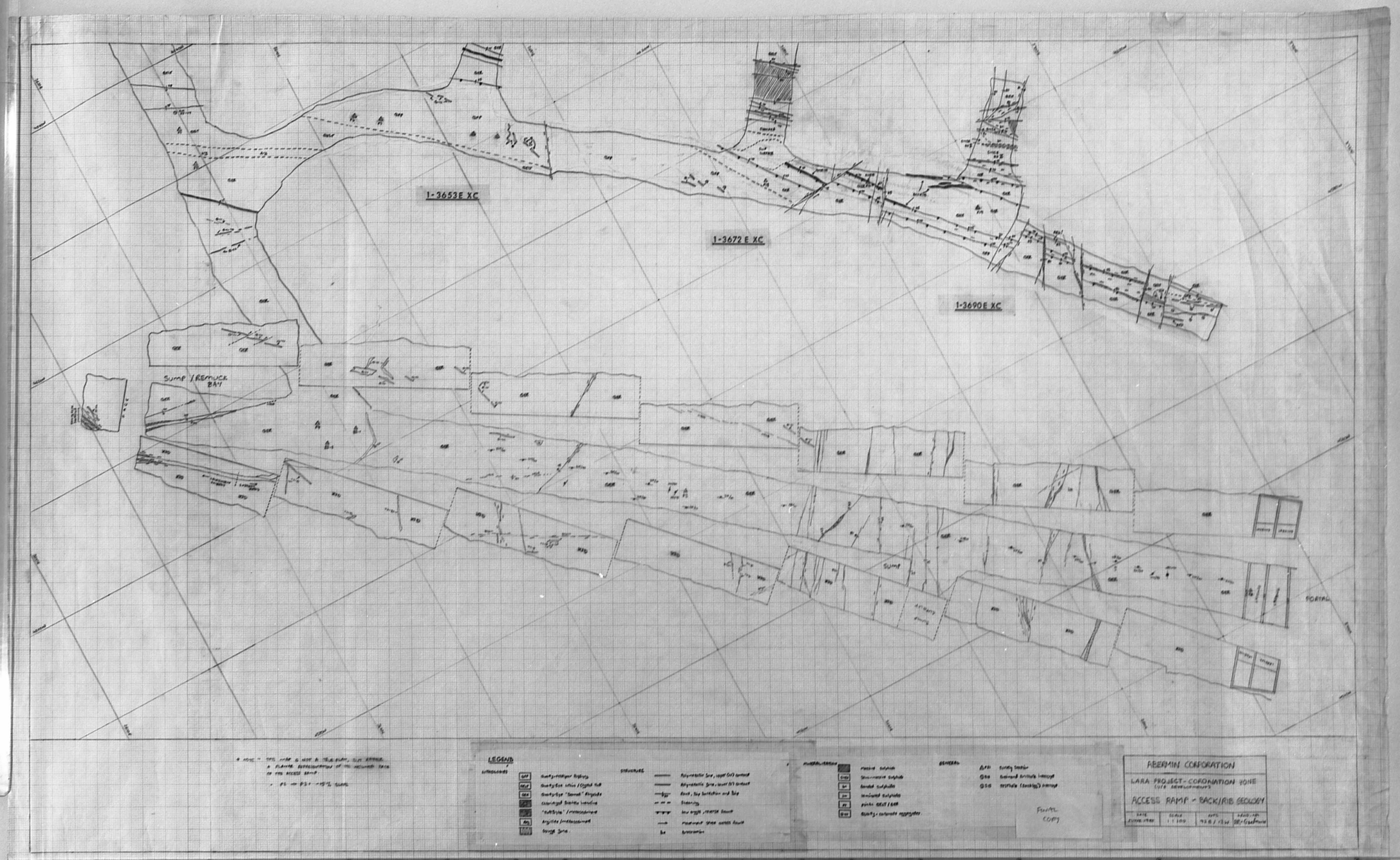
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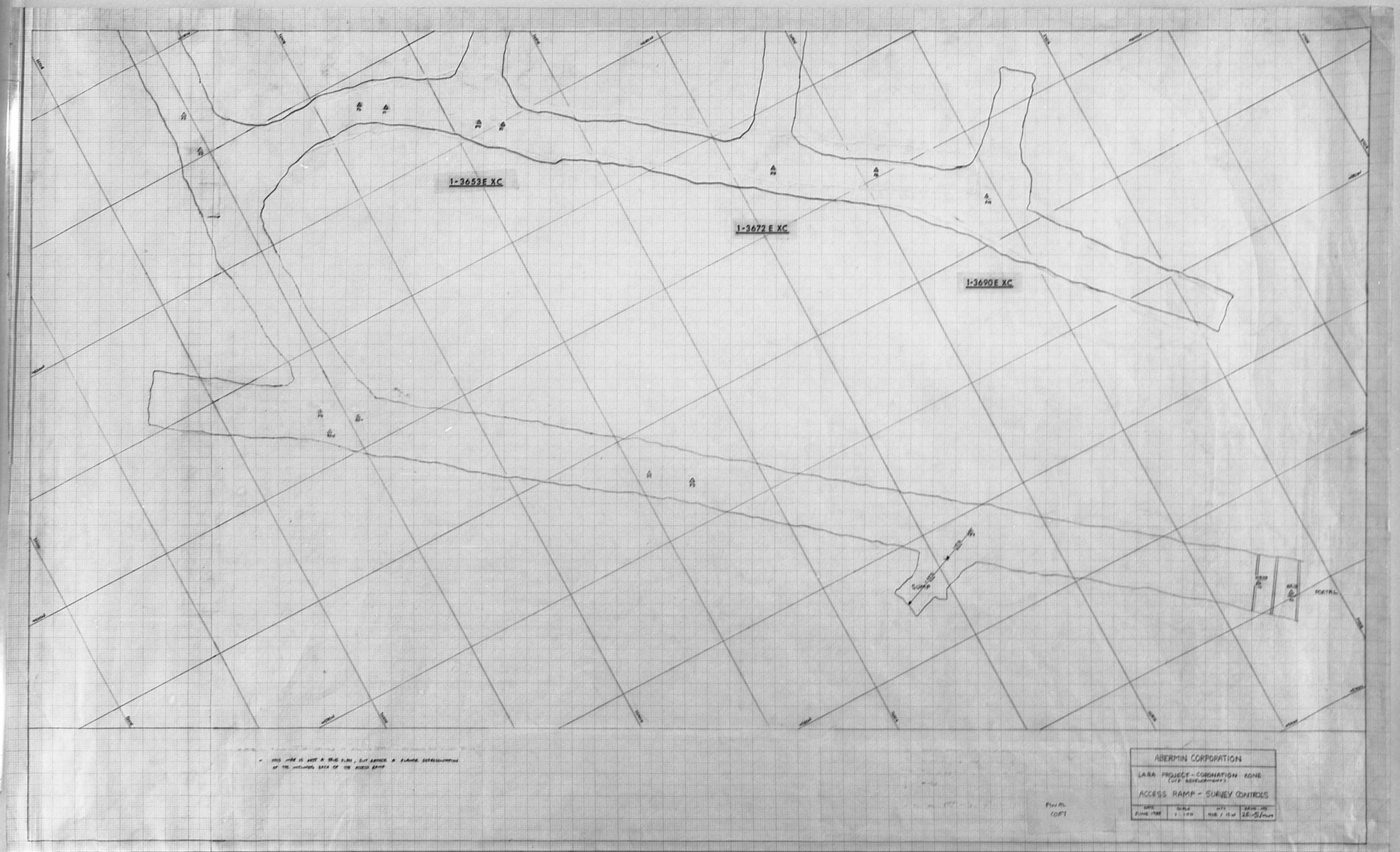
1-3672 E XC
1-3690E XC
SUMP / REMUCK BAY
SUMP
PORTAL
LEGEND
ABERMIN CORPORATION
LARA PROJECT - COPONIATION ZONE
ACCESS RAMP - BACKRIB GEOLOGY
FINAL COPY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1-3672 E XC
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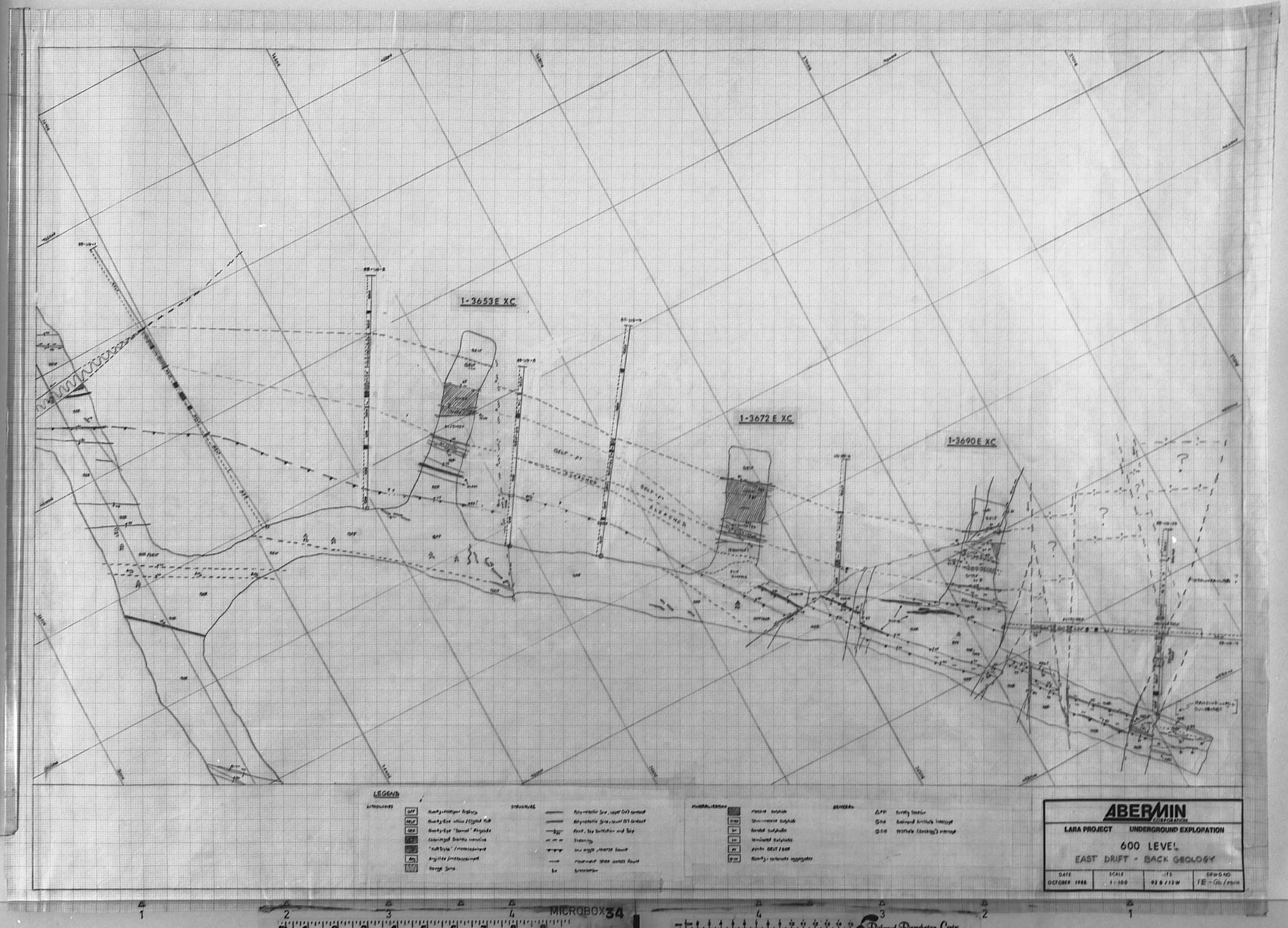
SUMP
PORTAL
ABERMIN CORPORATION
LARA PROJECT - CORONATION ZONE
ACCESS RAMP - SURVEY CONTROLS
FINAL
(OF)



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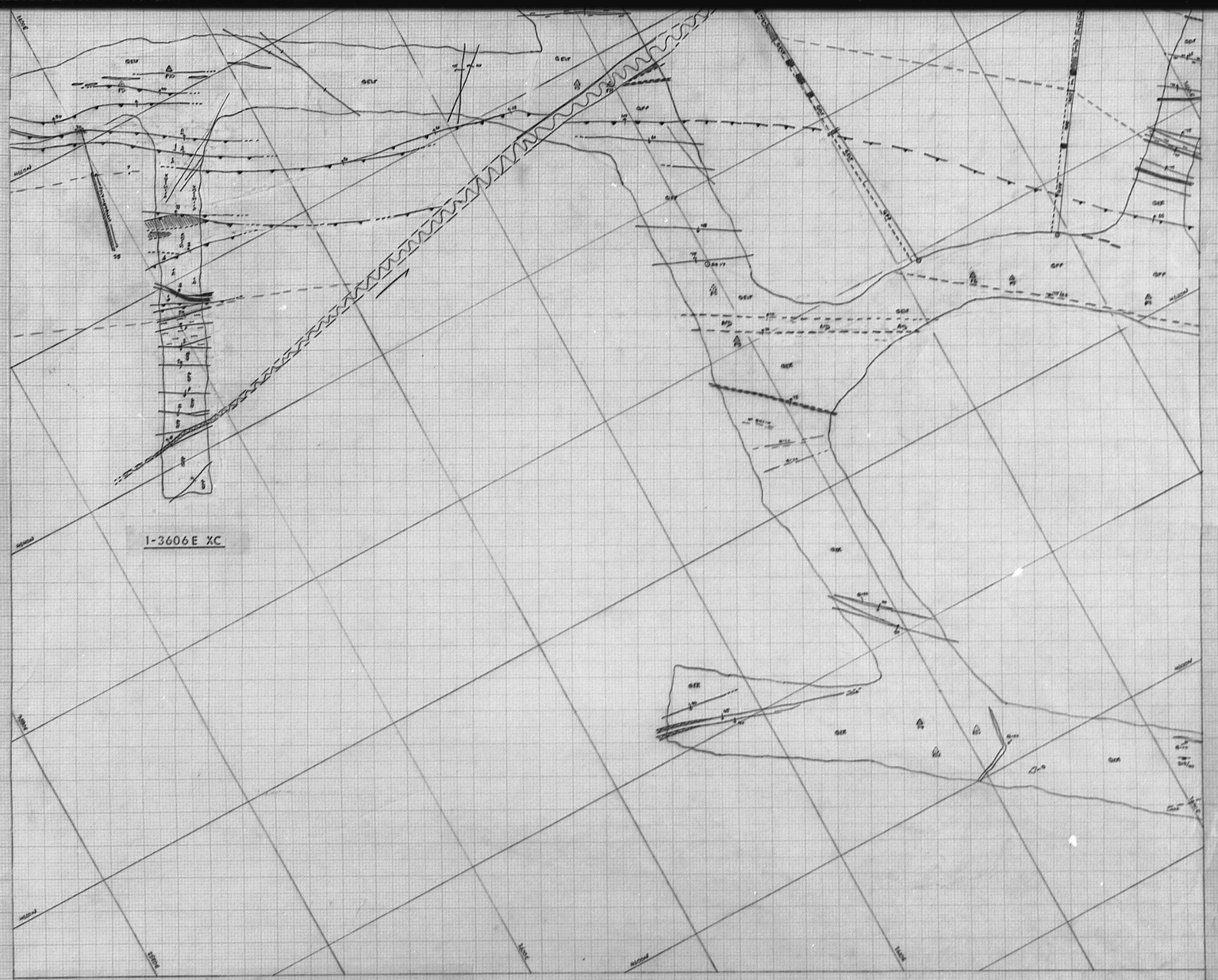

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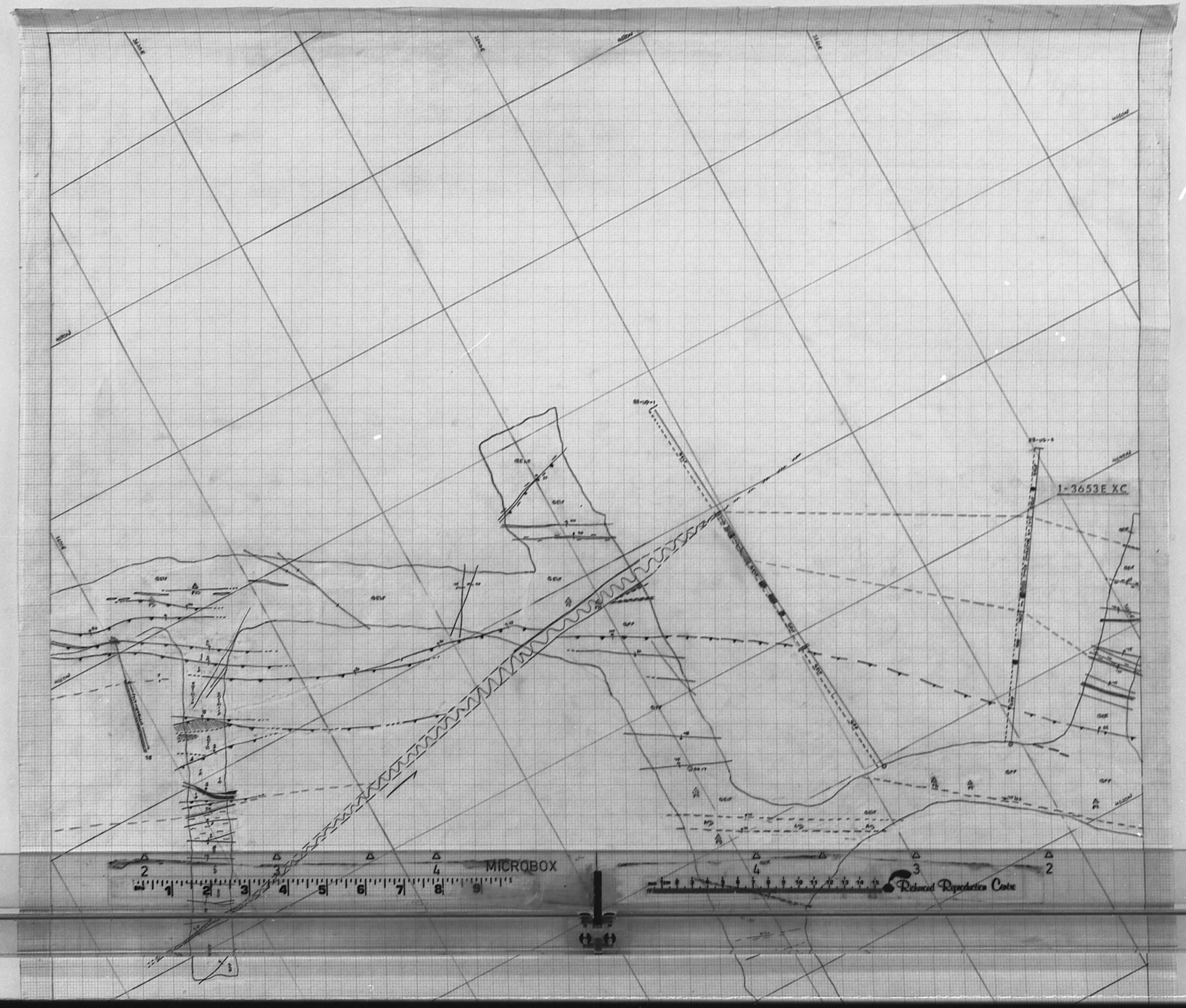
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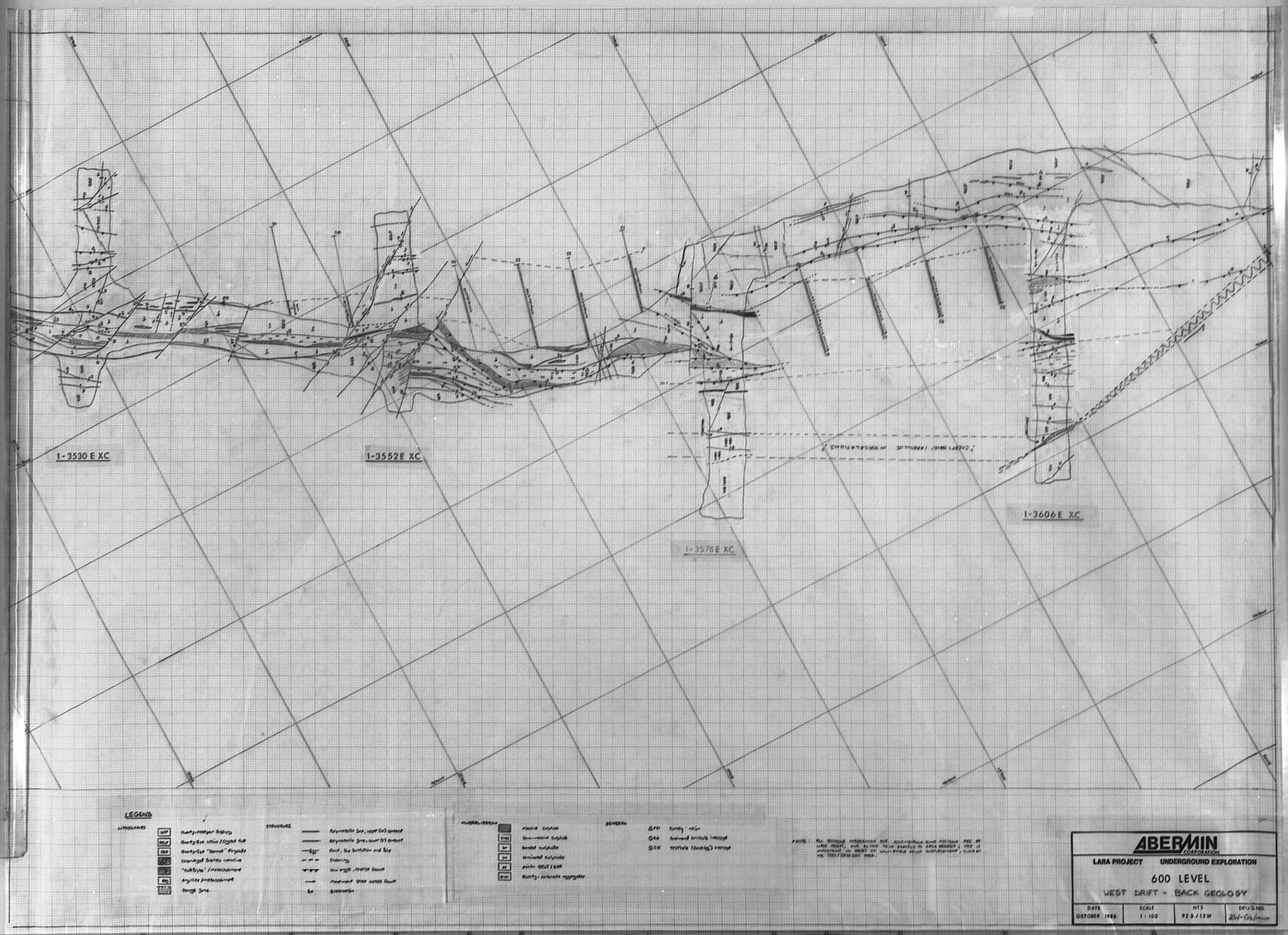
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1-3552 E XC
1-3578 E XC
1-3606 E XC
LEGEND
LITHOLOGIES
STRUCTURE
MINERALIZATION
GENERAL
ABERMIN CORPORATION
LARA PROJECT
UNDERGROUND EXPLORATION
600 LEVEL
WEST DRIFT - BACK GEOLOGY
DATE
OCTOBER 1988.
SCALE
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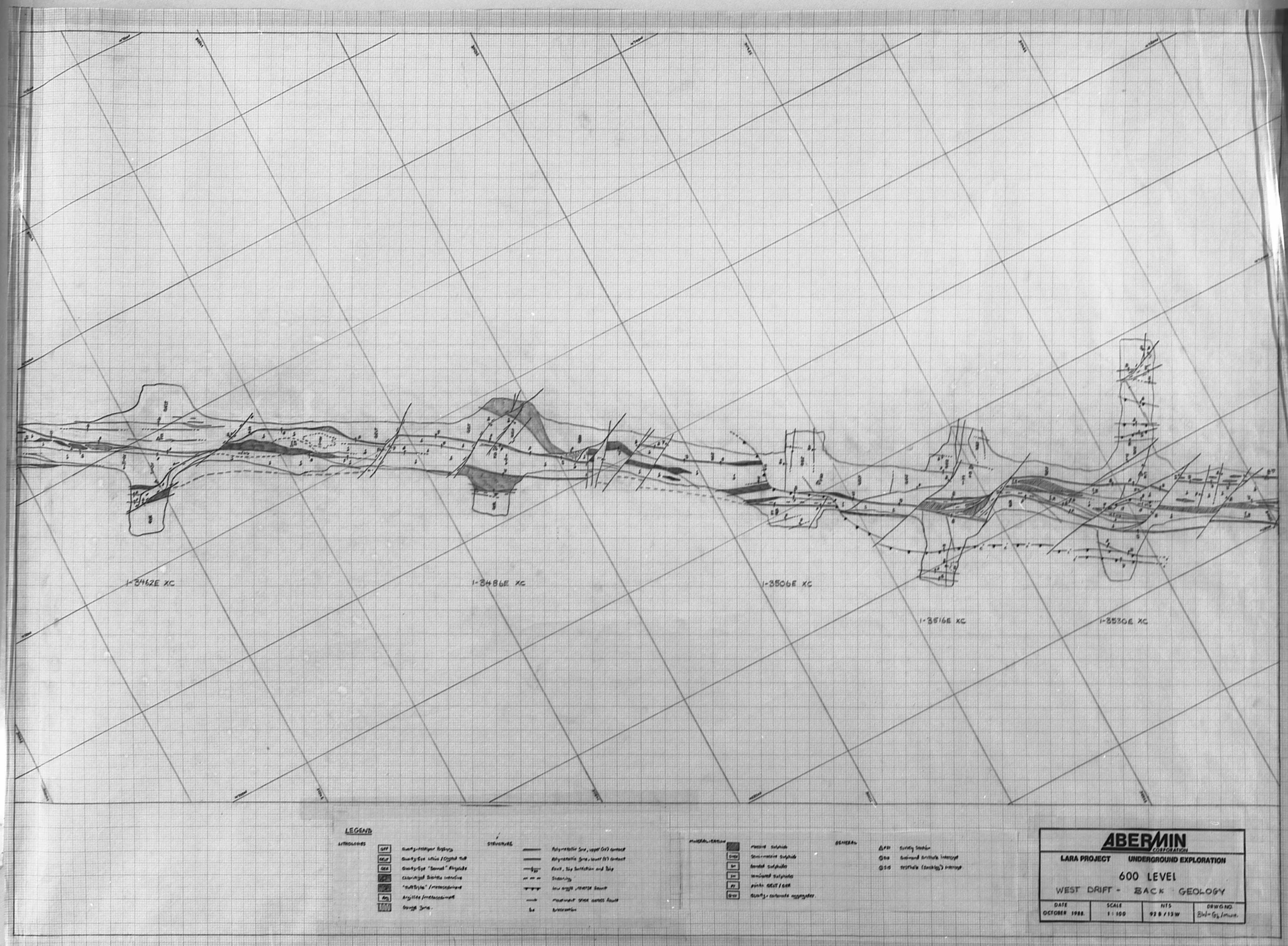
NTS
92 B / 13 W
DRWG NO
2W-Gb/mm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STRUCTURE
MINERALIZATION
GENERAL
ABERMIN CORPORATION
LARA PROJECT
UNDERGROUND EXPLORATION
600 LEVEL
WEST DRIFT - BACK GEOLOGY
DATE
OCTOBER 1988.
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92 B / 13 W
DRWG NO.
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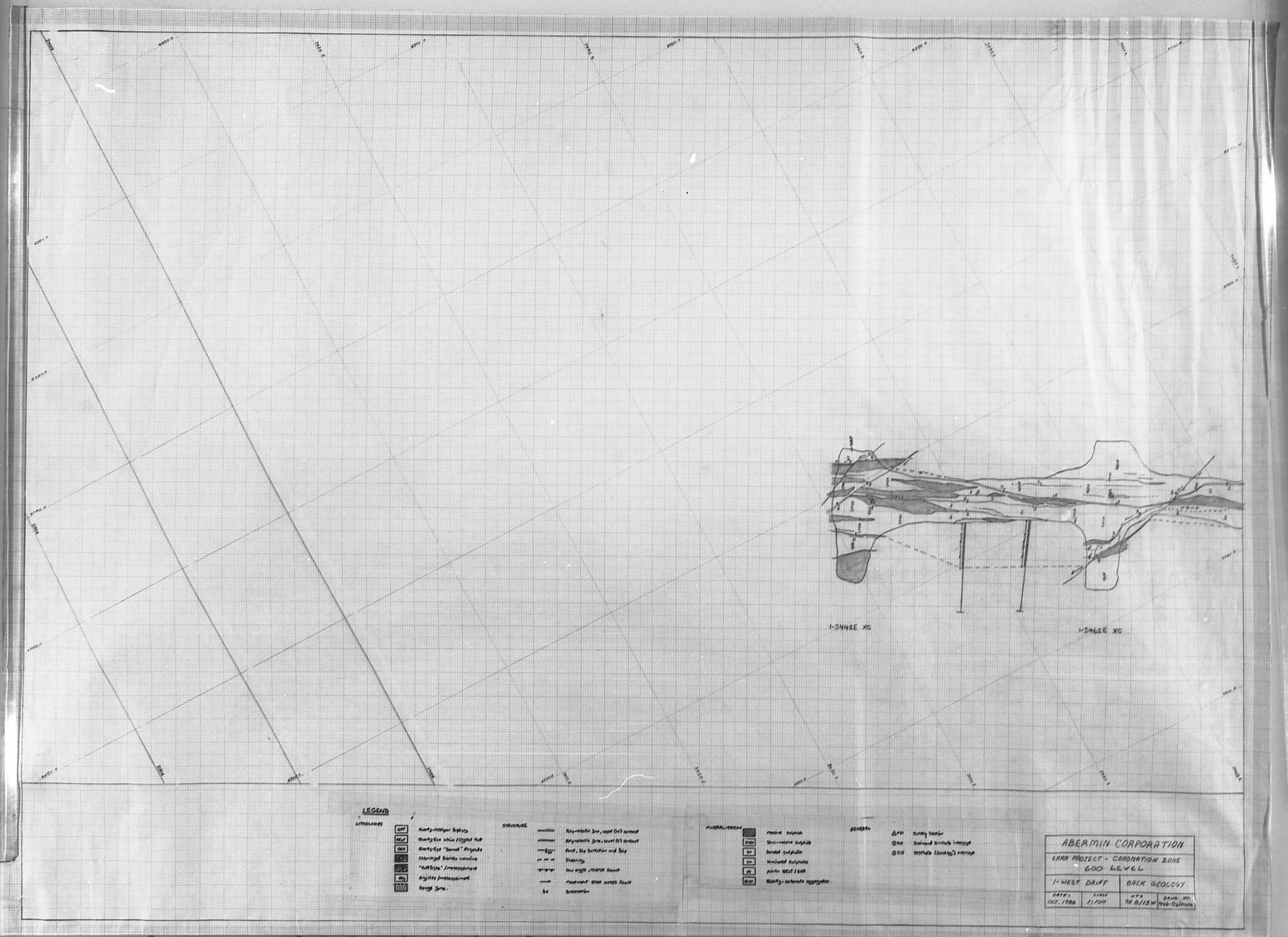
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STRUCTURE
MINERALIZATION
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ABERMIN CORPORATION
LARA PROJECT - CORONATION ZONE
600 LEVEL
1-WEST DRIFT
BACK GEOLOGY
DATE: OCT. 1988
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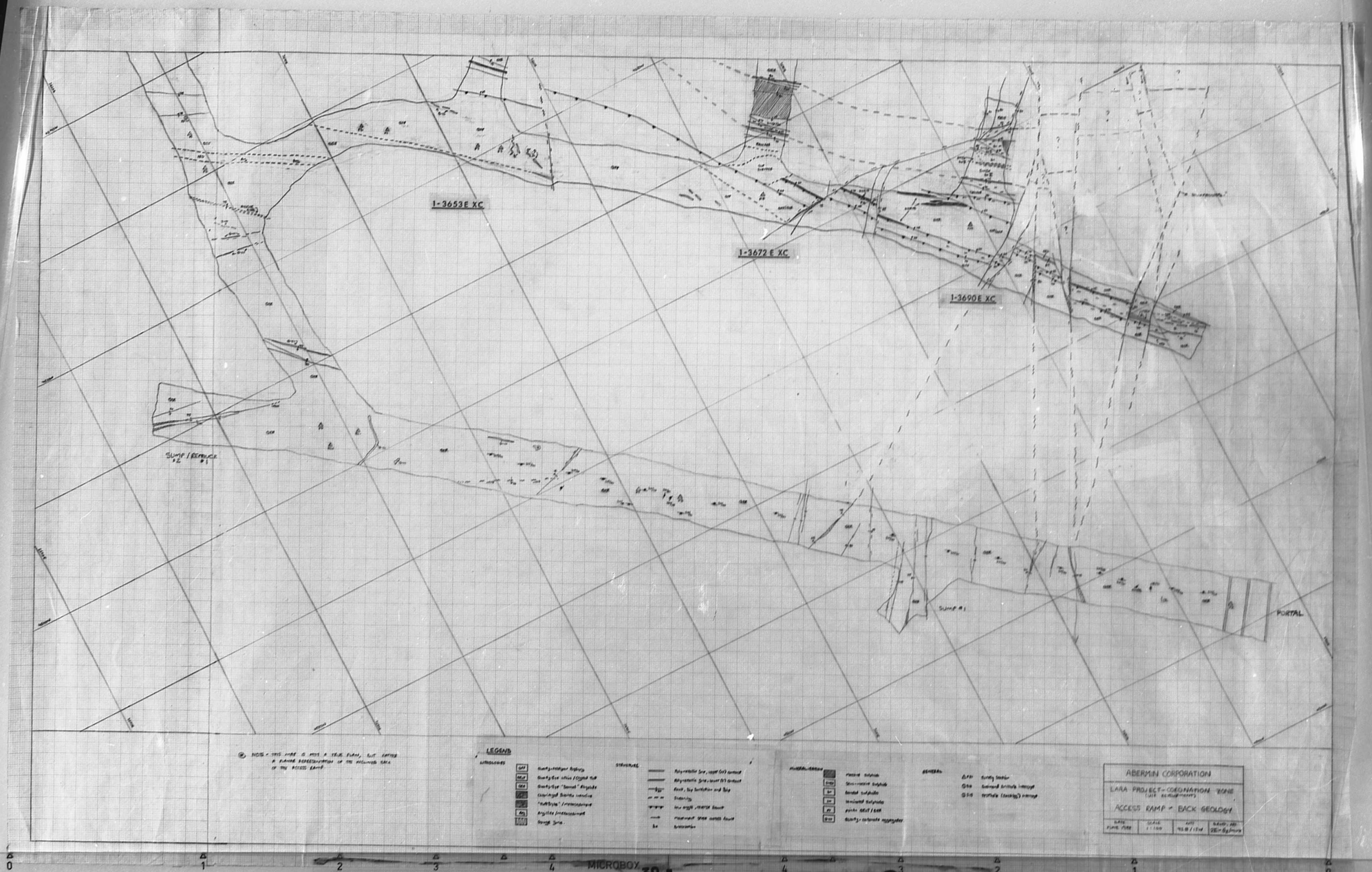
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1-3672E XC
1-3690E XC
SUMP / REFUGE
SUMP #1
PORTAL
LEGEND
ABERMIN CORPORATION
LARA PROJECT - COEGNATION ZONE
ACCESS RAMP - BACK GEOLOGY