DIAMOND DRILLING

TOWNSHIP: MARY JANE LAKE REPORT NO: ~~10~~ 13.

WORK PERFORMED FOR: Mingold Resources Inc.

RECORDED HOLDER: Same as Above [xx]
: Other [ ]

Claim No.	Hole No.	Footage	Date	Note
TB 990165	1	392'	Nov/88	(1)
	2	426'	Nov/88	(1)
	3	308'	Nov/88	(1)
TB 990161	4A	88'	Nov/88	(1)
	4	400'	Nov/88	(1)
	5	538'	Nov/88	(1)
	6	2152'		

(1) W8904.143, date filed June/89

M.L. Owen

APPENDIX III

DRILL DATA - LOGS, ASSAYS, SECTIONS

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL | DRILL HOLE NO. UND - 1 | Date: November 14, 1988 | Page 1 of 4

CO-ORDINATES: 92+00W 84+00N
COLLAR ELEV.:
AZIMUTH: 112°
ANGLE: -48°
REMARKS:

CLAIM NO.: TB 990165
CORE SIZE: BQ
DATE STARTED: Nov. 11, 1988
COMPLETED: Nov. 13, 1988

LOGGED BY: Brian Nelson
DRILLED BY: Northwest Geophysics
SECTION: Off Section
DEPTH: 392.0 Ft.

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
347'	-40°	(Acid)

O.B. - overburden
L.C. - lost core
N.A. - not sampled

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
0.0	15.5	Overburden	Sand, mud, & Boulders	O.B.	0.0	15.5	15.5	
15.5	68.0	Diabase	Grey, fine grained to finer medium grained, massive to locally weakly foliated (sheared) @60 to 80° to CA -overall quite hard, porphyritic, overall 20% 2 mm to 2-3 cm beige to white anhedral quartz-feldspar cluster (crystals); generally the larger the crystals the greater the concentration, up to 50% large ghosty remnant crystals. -moderate to strongly magnetic, 10% to locally 20% small mm scale magnetite crystals disseminated throughout, trace fine grained disseminated pyrite plus narrow mm scale pyrite veinlets -minor 3mm to 2 to 3 cm scale quartz veining, minor bleby to narrow stringery pyrite associated with QVs, veining erratic a various angles to core angle Comment: may not be diabase, instead altered contact zone of gabbro.	N.A.	15.5	17.0	1.5	<5/<5/<5
				60101	17.0	20.0	3.0	
				N.A.	20.0	37.0	17.0	
				60102	37.0	40.0	3.0	9/<5/12
				N.A.	40.0	68.0	28.0	
68.0	71.4	Sheared Diabase	-Grey, fine grained, hard with a mottled weakly sheared appearance -Shearing @ 70° to core axis and defined by parallel alignment of flattened quartz-feldspar crystals within plane of shearing -minor 2 to 5 mm scale white quartz veining predominantly sub-parallel to shearing -weakly sheared equivalent to preceding unit	60103	68.0	71.4	3.4	160/145/172
71.4	73.4	Quartz Veining	-50% erratic grey-white quartz-veining and 50% very fine grained dark grey host. 71.4 - 72.1 Quartz vein - white-grey refractured quartz containing 10% 1-3 mm scale erratic stringery mgt rich inclusions, minor yellowy Fe Co3 ? staining and 1% medium grained bleby pyrite - upper and lower contacts @ 45° to core axis	60104	71.4	72.1	0.7	2596/2536
				60105	72.1	73.6	1.5	724/812/936
73.4	77.8	Diabase	Grey, fine grained, hard, massive and locally porphyritic	60106	73.6	77.8	4.2	95/107/89

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND-1

Date: November 14/88

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
77.8	81.2	Quartz Vein	White-grey erratic brecciated vein containing 30 to 40% very erratic grey to black magnetite rich inclusions (veinlike) - minor disseminated med. grained pyrite (1-2% pyrite) - irregular upper and lower contacts Does not appear as one vein but more of a stockwork of quartz veining	60107	77.8	81.2	3.6	908/908/901		
81.2	100.0	Diabase	Dark greeny-grey, very fine grained, hard, massive with a local weak porphyritic texture - local ghosty white 3mm to 3 cm ameboid spots (different from quartz-feldspar crystal's spots) - weak to moderate magnetite - rare 1 to 3 mm stringer pyrite - <5% erratic grey 3 mm to 2 cm wide quartz veins - contact at 90.5 not very convincing (gradational) - appears to be just another phase of diabase 90.5 - 100.0 quartz-feldspar porphyritic texture dominant with 35% 1 to 5 mm scale anhedral quartz-feldspar clusters - at 98.1 - mini fault offsets veinlet by 2 to 3 mm (vein 90° to core axis, fault parallel to core axis)	60108	81.2	84.5	3.3	135/161/157		
				60109	84.5	90.5	6.0	9/9/11		
				60110	90.5	95.5	5.0	5/<5/<5		
				60111	95.5	100.0	4.5	<5		
100.0	126.4	Gabbro-Diabase?	Grey to greeny grey, medium grained to fine grained, hard and massive with a pseudo-blotchy texture - locally clustered with mm scale anhedral feldspar crystals -strongly magnetic (10% to 20% fine grained mm scale magnetite crystals - quartz rich - 30 to 40% interstial quartz - trace to 1% fine grained disseminated pyrite Comment: possibly classified as a Quartz Gabbro 117.8 - 119.8 fine grained phase of unit 124.1 - 124.6 mini shear @60° to core axis, narrow zone contains cm scale irregular grey quartz vein with minor associated bleby pyrite	60112	100.0	105.0	5.0	<5		
				N. A.	105.0	124.9	19.9			
				60113	124.9	126.4	1.5	<5		
126.4	131.4	Contact Zone (Sheared Gabbro-Diabase)	- Grey, fine grained hard and weakly sheared at 70 to 80° to core axise - strongly magnetic - minor 2 to 5 mm scale quartz veining, minor bleby pyrite associated with veining - sharp upper and lower contacts @ 60° to core axis	60114	126.4	131.4	5.0	<5		
				N. A.	131.4	187.1	55.7			
131.4	187.1	Quartz Gabbro (Diabase)?	Greeny-grey, medium grained to finer medium grained, predominantly massive, locally porphyritic - porphyritic sections contains up to 20% 1 to 5 mm chalky white quartz-feldspar clusters - quartz rich, up to 50% interstrial (matrix) quartz							

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			- 15% tiny <mm scale magnetite crystals -local epidote as narrow veining & as matrix component 140.4 - 141.5 mini-shear zone, weak to medium sheared fabric @ 70° to core axis At 145.5 1.5 cm wide quartz-epidote and minor hematite (red mineral) veinlet @ 70° to core axis	60115	187.1	190.3	3.2	<5		
				60116	190.3	195.5	5.2	<5		
				60117	195.5	200.5	5.0	<5		
				60118	200.5	205.0	4.5	<5		
				60119	205.0	207.0	2.0	<5		
187.1	223.5	Quartz Gabbro	Greeny-grey, fine grained to medium grained, hard, massive, lacking porphyritic texture - overall grain size decreases while epidotization increases downhole through unit - moderately magnetic - trace fine grained disseminated pyrite 187.1 to 206.0 greeny-grey medium grained massive quartz gabbro cut by 5 to 8% erratic 5 mm to 10 cm wide quartz-feldspar (+ carbonate?) veining containing minor fine grained disseminated pyrite 206.0 to 223.0 grey to epidote-green bleached, fine grained to finer medium grained and very hard; light green epidote bleached zones on a 10-30 cm scale - 5% irregular 1 to 3 cm scale quartz-feldspar veining and blotching - appears to be finer grained, epidotized and more silicified equivalent of (187.1 - 206.0)	60120	207.0	211.0	4.0	<5		
				60121	211.0	215.0	4.0	<5		
				60122	215.0	220.0	5.0	12		
				60123	220.0	223.0	3.5	6		
223.5	228.6	Silicified Gabbro	grey medium grained,massive and very hard - very slight reddish tinge (hematite stain?) - 2 to 3% fine grained pyrite disseminated throughout - moderate to weakly magnetic	60124	223.5	228.6	5.1	33		
228.6	235.5	Breccia Zone	Medium grained sub-angular leuco-gabbro fragments suspended in a grey siliceous cement - overall 50% fragments, 50% inter-fragment silia - fragments exhibit weak hematitic staining and are moderately magnetic - 3 to 5% fine grained disseminated to bleby pyrite plus minor mm scale stringer pyrite - contact at 235.3 marked by 3 cm wide white quartz vein sub parallel to core axis.	60125	228.6	232.0	3.4	147		
				60126	232.0	235.5	3.5	191		
235.5	267.5	Altered (Spotted) Quartz Gabbro	Greeny-grey, medium grained, massive and very hard with a distinctive mafic spotted texture - contains 40% 1 to 3 mm sub-angular chloritic crystals (spots), intensity and size of chloritic spots decreases downhole through unit - locally moderately magnetic	60127	235.5	240.0	4.5	29		
				60128	240.0	241.0	1.0	48		
				60129	241.0	246.0	5.0	51		
				60130	246.0	251.0	5.0	28		

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND-1

Date: Nov. 14, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			- minor bleby pyrrhotite sharp contact at 267.5 @ 50° to core axis 240.5 40% large 2 to 2 cm pyrrhotite blebs and minor pyrite	60131	251.0	256.0	5.0	23		
				60132	256.0	261.0	5.0	49		
				60133	261.0	266.0	5.0	73		
267.5	324.5	Quartz Gabbro	Grey to slightly greenish, medium grained, massive and hard - locally moderately magnetic - trace, very fine grained disseminated pyrite - 30 to 40% 1 to 2 mm scale amphibolite crystals set in a fine grained quartz feldspar ground mass - 10% tiny, 2mm scale glassy tabular crystals (quartz?) or colourless amphibole	60134	266.0	267.5	1.5	179		
				60135	267.5	270.5	3.0	13		
				N. A.	270.5	316.0	45.5			
				60136	316.0	319.0	3.0	<5		
				N. A.	319.0	336.7	17.7			
324.5	336.7	Diabase Dyke	Grey, fine grained, massive and hard - locally containing sub-rounded to irregular coarse grained quartz-feldspar amphibole spots on a 5 mm to 3 cm scale - locally weakly magnetic - trace fine grained disseminated pyrite Sharp but somewhat irregular contact at 324.5 @ 70° to 80° to core axis More of a gradational contact at 336.7							
336.7	392.0 E.O.H.	Quartz Gabbro	Grey to greeny grey, medium grained, massive and hard - moderately magnetic - trace disseminated fine grained pyrite 336.7 to 356.0 1 to 5 foot sections containing up to 20% goldy coloured mica (biotite) At 354.6 1 cm wide light grey felsic dykelet cutting gabbro at 75° to core axis	60137	336.7	341.7	5.0	5		
				N. A.	341.7	354.0	12.3			
				60138	354.0	356.0	2.0	<5		
				N. A.	356.0	392.0	36.0			

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND-2

Date: Nov. 22, 1988

CO-ORDINATES: 88+00W 74+25N
COLLAR ELEV.:
AZIMUTH: 352°
ANGLE: -50°

CLAIM NO.: TB 990165
CORE SIZE: BQ
DATE STARTED: Nov. 13, 1988
COMPLETED: Nov. 16, 1988

LOGGED BY: Brian Nelson
DRILLED BY: Northwest Geophysics
SECTION: 88+00W
DEPTH: 426 ft.

HOLE SURVEYS (CORRECTED)
DEPTH DIP DIRECTION
316 ft - 49°

REMARKS: First hole on setup lost - casing shifted in OB (length 110')

OB - overburden
N.A.- not sampled

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
0.0	100.0	Overburden		O. B.	0.0	100.0	100.0	
100.0	185.0	Sediment (Argillite)	Light to dark grey, fine grained, hard and well bedded	N. A.	100.0	136.0	36.0	
			Alternate very fine grained dark grey argillite and finer medium grained lighter grey clastic beds, bedding thickness quite variable from a 0.25" to 10ft scale, generally the finer grained beds are thinner	60139	136.0	137.0	1.0	<5
				N. A.	137.0	153.0	16.0	
				60140	153.0	156.0	3.0	5
			Bedding at 50° to core axis	N. A.	156.0	180.0	24.0	
			Trace local disseminated pyrite					
			Very minor mm to cm scale quartz veining	60141	180.0	185.0	5.0	<5
			At 136.8 -cm scale quartz vein sub-parallel to core axis, minor associated blebs to stringer pyrite					
			Core blocky and broken					
			Note: Boxes 1 and 2 dumped					
185.0	209.5	Pseudo-Brecciated Sediment	Grey, fine grained to medium grained, hard, locally well bedded. Bedding attitude quite variable from 50° to core axis to sub-parallel to core axis (less competent argillite rotated or smeared towards plane of core axis)	60142	185.0	188.0	3.0	<5
				60143	188.0	191.0	3.0	<5
			Zone intruded by 5% erratic mm to locally cm scale grey white quartz veining, lighter grey silicified appearance associated with quartz veining					
			Minor disseminated to bleby pyrite throughout					
			Upper and lower contacts quite sharp at 30° to 45° to core axis					
			191.5 to 197.5 medium grained mass sediment bed contains a sheared argillite bed at 194.0, bed sheared at 10 to 15° to core axis	60144	191.0	197.5	6.5	<5
				60145	197.5	200.0	2.5	<5
				60146	200.0	200.5	0.5	<5
			200.0 to 200.5 5% mm scale threads of pyrite	60147	200.5	203.7	3.2	<5
			200.5 to 203.7 3 to locally 10% bleby pyrite in breccia, silicified quartz injection zone	60148	203.7	206.0	2.3	<5
				60149	206.0	209.5	3.5	<5
209.5	218.0	Intermediate Dyke	Grey, fine grained, massive and hard	60150	209.5	214.0	4.5	<5
			- weakly magnetic	60151	214.0	218.0	4.0	<5
			- 1% 1-3 mm scale stringer to bleby fine grained to medium fine grained pyrite					
			- very minor erratic quartz-carbonate ? veining					
			- can't put finer on exact contacts - definitely no good intrusive contacts. Possibly either a massive sediment bed carrying minor magnetite or silicified fine grained gabbro dyke.					

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND- 2

Date: Nov. 22, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
218.0	225.3	Altered Sediment	Pseudo brecciated-quartz-carbonate injected zone Grey, heterogeneous and bleached, remnant mm to cm scale bedding sub-parallel to 25° to core axis Overall 20% erratic, 3 mm to 1 cm scale white quartz carbonate veining and blotching Minor <1% mm scale stringer to fine grained disseminated pyrite Contact at 225.3 marked by blocky broken core	60152	218.0	221.0	3.0	<5		
				60153	221.0	225.3	4.3	6		
225.3	236.2	Contact Zone	Fine grained mafic (gabbro) dykes containing inclusions of or intruding bleached silicified sediment (same as section 218.0 - 225.3) Contact at 225.3 marked by broken core Sharp intrusive contact at 236.2 @ 55° to core axis 225.3- 231.0 Mafic Dyke Greeny-grey, fine grained massive and hard, locally speckled with 15% mm scale mafic crystals; weakly magnetic, trace mm scale veiny pyrite; Broken core at 231.0 can't get attitude of contact 231.0 - 236.2 Predominantly bleached sediment containing 6" and 1' wide mafic dykes contacts at 80° to core axis	60154	225.3	231.0	5.7	<5		
				60155	231.0	233.0	2.0	<5		
				60156	233.0	236.2	3.2	<5		
236.2	426.0 E.O.H.	Gabbro	Greeny-grey, medium grained to coarse grained, massive,homogeneous containing 25 to 30% black amphibole crystals - weak to moderately magnetic - minor local 2 to 6" scale very coarse grained leuco gabbroic zones - appear veinlike recrystalization the result of quartz-feldspar injection - lack of sulphide mineralization - gradational grain size coarsening in first 30 ft of unit downhole, chill of gabbroic intrusion 236.2 to 241.0 - blocky broken core 300.6 to 303.3 silicified zone or intermediate dyke; grey, medium grained, hard and massive containing 10% flattened mafic clots and 20% mm to cm scale feldspathic blotches; trace fine grained disseminated pyrite; contacts weakly sheared and broken	60157	236.1	240.2	4.0	7		
				N. A.	240.2	236.0	22.8			
				60158	236.0	266.0	3.0	<5		
				N. A.	266.0	279.0	13.0			
				60159	279.0	283.0	4.0	<5		
				N. A.	283.0	300.6	17.6			
				60160	300.6	303.3	2.7	<5		
				N. A.	303.3	323.0	19.7			
				60161	323.0	326.0	3.0	5		
				N. A.	326.0	338.0	12.0			
				60162	338.0	341.0	3.0	<5		
				N. A.	341.0	363.0	22.0			
				60163	363.0	366.0	3.0	7		
				N. A.	366.0	376.0	10.0			
				60164	376.0	379.0	3.0	7		
				N. A.	379.0	403.0	24.0			
				60165	403.0	406.0	3.0	11		
				N. A.	406.0	423.0	17.0			
				60166	423.0	426.0	3.0	7		

MINGOLD RESOURCES INC.
Eastern District

Date: December [redacted] 1988

PROJECT: UNDERSILL DRILL HOLE NO. UND-3

CO-ORDINATES: 80+00W 72+00N
COLLAR ELEV.: 0.0
AZIMUTH: 352°
ANGLE: -50°

CLAIM NO.: TB 990165
CORE SIZE: BQ
DATE STARTED: Nov. 16/88
COMPLETED: Nov. 18/88

LOGGED BY: Brian Nelson
DRILLED BY: Northwest Geophysics
SECTION: 80+00W
DEPTH: 308 ft.

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
308'	-45°	

REMARKS:

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
0.0	29.5	Overburden		O. B.	0.0	29.5	29.5	
29.5	201.5	Clastic Sediment	Grey to slightly greenish grey, fine grained to finer medium grained, generally hard with local altered soft sections - locally bedded @ 50° to core axis - shearing (likely at bedding contacts) @ 45° to core axis - overall 5% white stringer quartz and minor carbonate veining sub-parallel to bedding - foliation and 25% erratic crosscutting stringers - moderate to locally strong sericite	N. A.	29.5	34.5	5.0	
			35.5 to 36.0 mini shear in sediment and quartz injection; 3% disseminated fine grained to medium grained pyrite	60167	34.5	37.5	3.0	6
			37.5 to 38.4 Quartz vein - 2 to 3 cm wide white quartz and minor carbonate vein irregularly trending sub-parallel to core axis; trace disseminated pyrite	60168	37.5	38.4	0.9	7
				60169	38.4	41.4	3.0	9
				N. A.	41.4	58.2	16.8	
			58.2 to 60.7 Sericite-chlorite mini shear containing 10% mm to cm scale quartz veining predominantly parallel to shearing @ 55 to 60° to core axis; minor disseminated pyrite	60170	58.2	60.7	2.5	1125
				60171	60.7	67.2	6.5	5
			67.2 to 69.7 Sericite-chlorite altered zone; minor irregular quartz veining; 3% coarse grained disseminated bleby pyrite	60172	67.2	69.7	2.5	31
			71.6 to 73.5 Sericite-chlorite altered zone; minor 1 to 3 mm scale white quartz veins; shearing at 40° to core axis; 5% coarse grained bleby pyrite	60173	69.7	73.5	3.8	20
				60174	73.5	78.0	4.5	10
				60175	78.0	84.0	6.0	27
			93.4 to 94.5 40% semi-concordant to crosscutting 3mm to 3 cm wide white quartz and minor carbonate veining; 3% fine grained disseminated pyrite	60176	84.0	88.0	4.0	<5
				60177	88.0	92.5	4.5	97
				60178	92.5	95.0	2.5	21

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			96.7 to 98.3 Well banded (bedded?) section, 25% 5mm to cm scale siliceous bands or concordant quartz veins; banding @ 45° to core axis; minor crosscutting white quartz veins on a 3 to 5 mm scale; trace disseminated medium grained pyrite	60179	95.0	96.7	1.7	<5		
				60180	96.7	98.3	1.5	<5		
				60181	98.3	104.0	5.7	<5		
			104.0 - 111.5 20% 1 to 5 mm scale white quartz veining predominantly @45° to 50° to core axis is sericitic sediment; minor erratic splotchy quartz veining; 2 to 3% medium grained disseminated pyrite	60182	104.0	108.0	4.0	<5		
				60183	108.0	111.5	3.5	<5		
				60184	111.5	116.0	4.6	<5		
				60185	116.0	121.0	5.0	5		
			111.5 - 150.0 altered clastic sediment, moderate sericite; 2-3% 1 mm to 1 cm scale greyish white quartz veining; 1% medium grained disseminated pyrite	N.A.	121.0	138.5	2.8			
				60186	138.5	140.5	2.0	13		
				N. A.	140.5	150.0	9.5			
			150.0 - 153.0 5% 2 to 5 mm scale erratic white quartz veining; 1% disseminated pyrite	60187	150.0	153.0	3.0	<5		
			153.0 - 157.5 intensely altered sediment; very strong sericite; 15% erratic mm to 3 cm scale white quartz veining, <1% disseminated medium grained pyrite	60188	153.0	157.5	4.5	<5		
			157.5 - 160.0 30% 1 to 5 mm scale white erratic quartz veining; trace disseminated pyrite	60189	157.5	160.0	2.5	5		
			163.0 - 196.5 10 to 15% very erratic mm to cm scale white quartz veining; trace to 1% medium grained disseminated pyrite; weakly foliated @ 55° to core axis	60190	160.0	163.0	3.0	5		
				60191	163.0	167.0	4.0	5		
				60192	167.0	171.0	4.0	<5		
			188.5 - 189.5 blocky broken core 195.5 - 196.5 15% erratic mm scale quartz veining	N. A.	171.0	182.3	11.3			
				60193	182.3	184.8	2.5	<5		
				N. A.	184.8	192.5	7.7			
			196.5 - 201.5 sheared to brecciated sediment; gradation from moderately altered (sericitic sediment) to sheared brecciated-quartz injected sediment; outer limit of fault contact; 5% erratic quartz veining; trace disseminated pyrite; no sharp contacts starting to get appearance of light honey brown mineral as mm stringers	60194	192.5	196.5	4.0	9		
				60195	196.5	201.5	5.0	9		
201.5	220.0	Brecciated Shear Zone	Grey, fine grained to medium grained, hard to soft and very heterogeneous from sub-rounded to angular 0.5 to 1.0 cm scale relict grey sediment fragments suspended in a sericitic matrix to intensely sheared zones containing flattened sediment fragments in sericite (L to W ratio ≈ 4:1) - shearing at 50° to core axis	60196	201.5	205.5	4.0	20		
				60197	205.5	210.5	5.0	37		
				60198	210.5	215.5	5.0	16		
				60199	215.5	220.0	4.5	20		

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND-3

Date: December 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			- very minor quartz veining 1 to 2% - trace disseminated fine grained pyrite, patchy local silicification Both upper and lower contacts gradational over 1 to 2 ft. 201.5 - 202.2 30 to 40% soft honey brown mineral (sericite)?							
220.0	240.7	Fault Zone	Sheared fault breccia, grey to greeny grey and heterogeneous,very soft and crumbly, local very narrow 4 to 6" sub-zones that are hard (weakly siliceous); overall - angular to flattened (sheared) hard grey relict sediment fragments suspended in a very soft matrix; matrix of sericite +/- carbonate minor local mm scale stringers to light green mineral; trace disseminated pyrite; local very blocky broken sections; shearing at 40 to 55° to core axis 220.0 - 225.0 blocky, broken, very crumbly core 223.0 - 223.5 blocky crumbly section	60200 60220 60202 60203	220.0 225.0 230.0 235.0	225.0 230.0 235.0 240.7	5.0 5.0 5.0 5.7	7 5 17 19		
240.7	308.3 E.O.H.	Sediment	Grey to greeny grey fine grained to finer medium grained and generally hard clastic sediment containing numerous narrow 6" to 3' wide brecciated to sheared quartz +/- carbonate flooded sub-zones. Overall <5% narrow 1 to 5 mm scale white quartz veining; trace disseminated fine grained to medium grained pyrite; lack of any sediment features or bedding contact. 240.7 to 254.7 fine grained hard grey sediment 5% 1 to 5 mm scale erratic grey white quartz veining; core quite blocky and broken; local shearing ≈ 30° to core axis	N. A.	240.7	254.7	14.0			
			254.7 - 256.3 Quartz injected brecciated shear zone 30% erratic quartz veining; crumply like main flat zone up hole; undefined contacts	60204	254.7	256.3	1.6	68		
			256.3 - 264.0 blocky broken core	N. A.	256.3	288.0	31.7			
			264.0 - 288.0 grey fine grained to finer medium grained sediment; <5% 1 to 5 mm scale erratic white quartz veining; trace disseminated pyrite 275.0 - 0.3 ft section of quartz injected shear, associated sheared sericite and chlorite ≈ 20° to core axis							

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND - 3

Date: December 7, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			288.0 - 289.5 Quartz carbonate injected mini shear mini shear-breccia zone; 15 - 20% stockwork white quartz veining; <5% yellow (carb?); sharp upper and lower contacts at 35° to core axis	60205	288.0	289.5	1.5	13		
			290.8 - 291.3 40 - 50% quartz and yellow carb? veining over section; veining at ± 60° to core axis	N. A.	289.5	293.5	4.0			
			293.5 - 295.0 moderate quartz-carbonate flooding	60206	293.5	296.0	2.5	7		
			At 295.9 2 cm wide white quartz vein cuts sediments at 80° to core axis	N. A.	296.0	303.3	7.3			
			At 296.5 3 to 4 cm wide sericite mini shear, strong shearing at 20° to core axis							
			At 304.0 mini shear at 20° to core axis off-sets mm scale white quartz veins with 2 cm displacement; trace very fine grained disseminated pyrite associated with shear	60207	303.3	308.3	5.0	5		
	308.0	End of Hole								

MINGOLD RESOURCES INC.
Eastern District

Date: February 20, 1989

PROJECT: UNDERSILL DRILL HOLE NO. UND - 4A

CO-ORDINATES: 62+43W, 58+00N
COLLAR ELEV.: 0.0
AZIMUTH: 142°
ANGLE: -51°

CLAIM NO.: TB 990161
CORE SIZE: BQ
DATE STARTED: Nov. 22/88
COMPLETED: Nov. 22/88

LOGGED BY: Brian Nelson
DRILLED BY: Northwest Geophysics
SECTION: Off Section
DEPTH: 88 ft.

HOLE SURVEYS (CORRECTED)
DEPTH DIP DIRECTION

REMARKS: Hole not completed, either casing or drill shifted

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
0.00	11.00	Overburden		O. B.	0.0	11.0	11.0			
11.00	12.00	Magnetite Hematitic Chert Iron Formation	Banded magnetite - hematitic chert on a 0.5 cm scale -core blocky and broken (drill induced)	N. A.	11.0	28.0				
12.00	25.80	Clastic Sediment	Grey to greeny-grey, generally finer medium grained with local fine grained sericite and chlorite sheared zones - local mini shears at 0 to 30° to core axis - minor 1 mm to 0.5 cm irregular white quartz-carbonate veining at ≈ 60° to core axis - overall trace fine grained disseminated pyrite, locally up to 5% pyrite over 5 to 10 cm Sharp contact at 25.80 @ 30° to core axis							
25.80	40.00	Magnetite Hematitic Chert Iron Formation	Alternate grey black and red beds on a 2mm to 0.5 cm scale; bedding generally @ 20 to 30° to core axis; beds frequently offset by mini-faults filled with specular hematite Overall 60% magnetite beds, 30% hematite-chert beds and 10% stockwork specular hematite veining Very minor 1 to 2mm scale white carbonate veining Lack of sulphide mineralization 29.30 to 30.30 - clastic sediment-bed @ 40° to core axis	60277 N. A.	28.0 31.0	31.0 40.0	3.0 9.0	<5		
40.00	50.90	Clastic Sediment	Grey, finer medium grained to fine grained, massive to brecciated and hard Approximately half unit massive and half brecciated Upper and lower contacts brecciated along with a central 2 to 3' wide brecciated section Brecciated sections contain 30 to 50% 2 mm to 1 cm scale grey angular to sub-rounded siliceous fragments set in strongly chlorite +/- sericite cement - minor 1 to 2% erratic white 1 to 5mm scale quartz veinlets and blotches - trace to 1% fine grained disseminated pyrite - brecciated upper and lower contacts	60278 N. A.	40.0 46.0	46.0 50.9	6.0 4.9	5		

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND - 4A

Date: February 20, 1989

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
50.90	56.50	Brecciated Quartz Veining	White to grey brecciated quartz veining in dark green stockwork chlorite; 50% quartz vein, 50% chlorite - minor white carbonate inclusions in quartz - lack of sulphide mineralization 50.90 to 52.90 - 75% quartz vein, 25% chlorite 52.90 to 55.50 - brecciated inter-vein sediment - chloritic 55.55 to 56.50 - 50% quartz vein, 50% chloritic	60279	50.9	52.9	2.0	<5		
				60280	52.9	56.5	3.6	<5		
56.50	66.00	Brecciated -Pseudo Brecciated Sediment	Grey to greeny grey, brecciated to pseudo brecciated and soft - strong chlorite - 1% fine grained disseminated pyrite - local minor 2 cm x 0.5 cm quartz lozenges	60281	56.5	62.2	5.7	5		
			62.20 to 63.20 - very strong chlorite - 5% fine grained disseminated to bleby pyrite	60282	62.2	63.2	1.0	<5		
				N. A.	63.2	73.0	9.8			
			63.20 to 66.00 - blocky-broken, chloritic core							
66.00	88.00	Clastic Sediment	Grey to greeny-grey, finer - medium grained to fine grained and quite soft - 5% very erratic white 1 mm to 1 cm scale quartz-carbonate veining - 1% fine grained to medium grained disseminated pyrite - moderate sericite	60283	73.0	78.0	5.0	<5		

MINGOLD RESOURCES INC.
Eastern District

Date: February 17, 1989

PROJECT: UNDERSILL
DRILL HOLE NO. UND-4

CO-ORDINATES: 62+73W 58+23N
COLLAR ELEV.: +9.0 ft
AZIMUTH: 142°
ANGLE: -48°

CLAIM NO.: TB 990161
CORE SIZE: BQ
DATE STARTED: Nov. 23, 1988
COMPLETED: Nov. 26, 1988

LOGGED BY: Brian Nelson
DRILLED BY: Northwest Geophysics
SECTION: Off Section
DEPTH: 400.0 ft.

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
148 ft	-42°	
308 ft	-36°	

REMARKS: Drilling EW and NS VLF anomalies as well as chert-magnetic iron formation

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
0.00	3.20	Chert-Magnetite Iron Formation	Black to grey, hard finely bedded chert magnetite iron formation plus interbedded clastic sediment - 1 to 5 mm scale beds folded (contorted) with bedding at 30° to core axis - locally pitted due to near surface weathering - major component is fine grained magnetite - somewhat sheared contact at 3.2 @ 30° to core axis	O. B.	0.00	3.2	3.2	
				N. A.	3.20	20.0	16.8	
3.20	15.10	Clastic Sediment	Grey, finer medium grained, moderately soft containing 5% erratic 1 to 3mm scale white quartz-carbonate veinlets - moderate sericite - local concentrations up to 5% of tiny magnetite crystals - sharp contact at 15.10 @ 45° to core axis					
15.10	42.80	Magnetite Hematitic Chert Iron Formation	Alternating black to grey mm to cm scale magnetite rich and cherty beds, local sections (gradually increasing downhole through unit) containing up to 50% red 2mm to 1 cm wide hematitic chert beds crosscutting specular hematite veins on a 1 to 3 mm scale associated with the red hematitic chert. Beds appear to be sheared (rotated) towards the core axis plane, locally beds weakly folded to broken. Bedding predominantly at ≈ 40° to core axis - 5% mm to cm scale quartz-carbonate veining, veining erratic and predominantly crosscutting - minor interbedded clastic sediments and argillite on 4" to 1.5 ft. scale - lack of sulphide mineralization - sharp contact at 42.8 @ 45° to core axis	60253	20.0	23.0	3.0	<5
				N. A.	23.0	52.0	29.0	
42.80	70.50	Clastic Sediment	Greeny-grey, fine grained and moderately hard - 50% tiny blue to white quartz grains suspended in a very fine grained light green ground mass - 5% very erratic 1 to 5mm scale white quartz-carbonate veining - weakly magnetic - 1 to 2% very fine grained disseminated pyrite - sharp contact at 70.5 @ 50° to core axis - cm scale magnetite lozenges floating in medium grained sediment near 70.5 contact	60254	52.0	55.0	3.0	<5
				N. A.	55.0	70.5	15.5	

PROJECT: UNDERSILL DRILL HOLE NO. UND-4

Date: February 17, 1989

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
70.50	89.30	Magnetite Hematite Chert Iron Formation	Very similar to section 15.1 to 42.8 - quartz-carbonate veining is less common and mainly confined to within 3 to 4 ft of the uphole contact - 1 to 3mm scale specular hematite veinlets crosscut bedding sub-parallel to 90° to core axis - bedding contacts at 30 to 50° to core axis 87.50 to 88.00 - 50% banded-blotchy white quartz-carbonate veining	60255	70.5	73.0	2.5	<5		
				N. A.	73.0	82.0	9.0			
				60256	82.0	85.0	3.0	<5		
				N. A.	85.0	106.0	21.0			
89.30	118.40	Clastic Sediment	Very similar to section 42.80 to 70.50 - grey, fine medium grained and weakly magnetic - 5% erratic 2mm to 1 cm scale quartz-carbonate veining - trace to 1% very fine grained disseminated pyrite - sharp contact at 89.3 @ 50° to core axis - broken core marks 118.4 contact	60257	106.0	111.0	5.0	<5		
				N. A.	111.0	123.0	12.0			
118.40	178.60	Magnetite Hematitic Chert Iron Formation	Very similar to sections 15.10 to 42.80 and 70.50 to 89.30 - appears to have a somewhat higher hematite chert and specular hematite content than previous sections - beds also more contorted, folded and brecciated - 5% concordant and crosscutting mm to cm white to grey quartz and quartz-carbonate veining - bedding quite variable from 30 to 60° to core axis 144.80 to 145.90 - clastic sediment bed containing 40% 5 mm to 2 cm scale quartz veining 165.20 to 165.70 - interbedded clastic sediment - sharp upper and low contacts @ 45° to core axis	60258	123.0	126.0	3.0	<5		
				N. A.	126.0	135.0	9.0			
				60159	135.0	138.0	3.0	<5		
				N. A.	138.0	162.0	24.0			
				60260	162.0	166.0	4.0	<5		
				N. A.	166.0	173.6	7.6			
				60261	173.6	178.6	5.0	<5		
178.60	400.00 E.O.H.	Clastic Sediment	Interbedded finer, medium grained clastic sediment and minor very fine grained argillite - quite massive and hard - overall minor 1 to 2% erratic white to grey 1 to 5mm scale quartz veining - trace to 1% fine grained to medium grained disseminated pyrite - sharp contact at 178.6 @ 30° to core axis 180.60 to 181.60 - argillite, finely bedded on a 1 to 3mm scale - sharp upper and low contacts at 20° to core axis 181.60 to 187.00 - blocky broken core - strong chlorite +/- sericite 203.20 to 204.70 - brecciated- pseudo brecciated argillite; greeny-grey soft with diffuse contacts; questionable breccia; trace disseminated medium grained pyrite	60262	178.6	181.6	3.0	<5		
				N. A.	181.6	202.5	20.9			
				60263	202.5	205.5	3.0	<5		

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
			205.10 to 210.2 - argillite, fine grained, local weak vuggy texture -5% erratic mm scale white quartz-carbonate veinlets -minor cm scale quartz veinlets @ 60 to 80° to core axis -contact at 210.2 @60° to core axis	60264	205.5	210.5	5.0	<5
				N. A.	210.5	217.0	6.5	
			210.20 to 227.20 -finer medium grained to medium grained clastic sediment -1% medium grained disseminated pyrite	60265	217.0	220.0	3.0	<5
				N. A.	220.0	236.1	16.1	
			227.20 to 228.60 -argillite, soft, very fine grained -strong sericite +/- chlorite -very sharp contact at 227.70 @ 30° to core axis					
			At 236.60 - 5mm splash of chalcopyrite	60266	236.1	237.6	1.5	<5
			252.50 to 261.00 -medium grained clastic sediment containing local 2" to 3' wide very fine grained micaceous(ser +/- chl) argillite (or possibly sheared bedding contacts) at ≈50° to core axis -overall 5% erratic 2mm to 2 cm scale white quartz veining -1% medium grained disseminated pyrite -local mini faults offset quartz veins by up to 1 cm -local vuggy quartz-carbonate veining	N. A.	237.6	255.0	17.4	
				60267	255.0	258.0	3.0	<5
				60267	258.0	261.0	3.0	<5
				N. A.	261.0	273.0	12.0	
			At 260.80 - 2 to 3mm wide pyrite stringer parallels bedding contacts @ 45° to core axis					
			273.00 to 276.50 -minor local vuggy quartz-carbonate veining on a 1mm to 2 cm scale -trace disseminated pyrite	60269	273.0	276.5	3.5	<5
				N. A.	276.5	287.0	11.5	
			287.00 to 287.70 -3cm wide quartz carbonate veining -contains 25% coarse grained disseminated pyrite	60270	287.0	287.7	0.7	<5
				N. A.	287.7	295.0	7.3	
			295.20 to 296.50 -50% sheared argillite containing 3mm to cm scale white quartz-veining parallel to shearing @ 45° to core axis -disseminated to bleby pyrite associated with quartz veining	60271	295.0	297.0	2.0	<5
				N. A.	297.0	326.5	29.5	
			At 327.70 -0.5 cm wide white quartz vein @65° to core axis, contains 40 to 50% coarse grained bleby pyrite	60272	326.5	331.5	5.0	<5
				N. A.	331.5	346.0	14.5	

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND - 4

Date: February 17, 1989

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			- vein occurs at bedding contact between finer medium grained clastic sediment and very fine grained argillite (sericite and chlorite) clastic-clastic sheared bedding contacts							
			At 330.80- 60% coarse grained 0.5 cm scale pyrite blebs and cubes over 2 cm in massive chlorite +/- sericite	60273	346.0	350.0	4.0	<5		
				N. A.	350.0	364.0	14.0			
			At 357.80- 2 cm wide white quartz vein	60274	364.0	368.0	4.0	<5		
			361.20 to 362.20- massive chlorite							
			375.00 to 400.00- blocky broken core	60275	384.0	388.0	4.0	<5		
			-looks drill induced - (fault rock?)	N. A.	388.0	397.0	9.0			
			-minor 2mm to 2 cm scale quartz-carbonate veining							
			-overall trace to 1% medium grained disseminated pyrite							
			-locally up to 5% disseminated pyrite over 5 to 10 cm							
			397.00 to 397.30-4 cm wide quartz-carbonate vein parallels core axis, brecciated 1-2 cm scale chloritic fragments form downhole contact zone							
			397.30 to 400.00-fault (intrusive) breccia	60276	397.0	400.0	3.0	10		
			-heterogeneous zone, mixture brecciated fragments & sediment							
			-breccia consists of fine grained 2 mm to 1 cm scale angular chloritic fragments set in fine grained sericite and carbonate cement							
			-lack of sulphides							

MINGOLD RESOURCES INC.
Eastern District

Date: February 27, 1989

PROJECT: UNDERSILL DRILL HOLE NO. UND - 5

CO-ORDINATES: 60+00W 56+50N
COLLAR ELEV.: 0.0
AZIMUTH: 142°
ANGLE: -48°

CLAIM NO.: TB 990161
CORE SIZE: BQ
DATE STARTED: Nov. 19/88
COMPLETED: Nov. 22/88

LOGGED BY: Brain Nelson
DRILLED BY: Northwest Geophysics
SECTION: Off Section
DEPTH: 538.0 ft.

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
538 ft	-31°	

REMARKS: Drilling NNE trending VLF anomaly and chert-magnetite iron formation.

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
0.00	49.00	Overburden		O.B.	0.0	49.0	49.0			
49.00	181.20	Sediment	Interbedded medium grained clastic sediment and sericitic argillite Grey, fine grained to medium grained predominantly hard with local narrow soft sericitic zones (shears) - narrow shears on a 10 to 20 cm scale with shearing at 25 to 30° to core axis - rare bedding contacts between fine grained and medium grained (quartz grain rich) beds - overall 1 to 3% 1 mm to 2 cm scale white erratic quartz veining - overall trace to 1% fine grained to medium grained disseminated pyrite 49.0 to 129.7 - predominantly medium grained clastic sediment interbedded with narrow sericitic argillite At 56.5 - sharp contact between uphole medium grained sediment and fine grained sediment - contact @35° to core axis - strong sericite near contact - weakly sheared contact 62.0 to 62.7 - mini shear in fine grained sediment - shearing @ 25 to 30° to core axis - strong sericite and minor mm scale quartz veining parallel to shearing - 1% disseminated fine grained pyrite At 73.6 - 1 cm wide white quartz vein cuts fine grained sediment @ 45° to core axis 75.9 to 76.2 - mini sericite -chlorite shear plus minor blue-grey quartz-veining parallel to shearing @ 25° to core axis - trace - 1% disseminated pyrite At 79.6 - 2 cm wide quartz vein @ 70° to core axis	N.A.	49.0	76.0	27.0			
				60208	76.0	80.0	4.0	6		
				N. A.	80.0	99.8	19.8			

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
			At 80.8 - Sharp bedding contact between fine grained and medium grained sediment, contact @ 45 to 50° to core axis - hint of fining uphole (Younging to north)					
			86.7 to 87.5 - massive fine grained sericite (argillite bed?) trace disseminated pyrite					
			99.8 to 101.0 - sheared argillite? bed - strong sericite and chlorite - minor 0.5 cm scale white quartz veining parallel to shearing @ 35° to core axis - 1% medium grained disseminated pyrite associated with quartz vein	60209	99.8	104.3	4.5	<5
			104.3 to 105.1 - quartz vein - white quartz containing 10% veining sediment inclusions - trace fine grained disseminated pyrite - sharp contacts at 40 to 45° to core axis	60210 60211 N. A. 60212 N. A.	104.3 105.1 108.0 116.0 120.0	105.1 108.0 116.0 120.0 130.7	0.8 2.9 8.0 4.0 10.7	<5 <5 6
			129.7 to 135.7 - Argillite - very fine grained, soft and grey, strong sericite - <1% 2 to 3mm scale white quartz veins @ 60° to core axis - 1% medium grained disseminated pyrite	60213 N. A.	130.7 135.7	135.7 145.1	5.0 9.4	<5
			135.7 to 142.2 - Interbedded Argillite - clastic sediment on a 1 to 3 ft scale - sharp bedding contacts at 45 - 50° to core axis - trace to 1% fine grained to medium grained disseminated pyrite					
			142.2 to 148.1 - Argillite - strong sericite - locally banded @ 40° to core axis - medium grained to coarse grained bleby to cubic pyrite within 6" of downhole contact - sharp contact at 148.1 @ 45° to core axis	60214 N. A.	145.1 148.1	148.1 158.5	3.0 10.4	<5
			148.1 to 178.1 - Interbedded clastic sediment and argillite - bedding on a 6" to 3' scale - argillite beds well foliated due to planar alignment of sericite crystals - bedding contacts and foliation at 45° to core axis	60215 N. A. 60216 N. A.	158.5 161.5 176.0 179.0	161.5 176.0 179.0 181.2	3.0 14.5 3.0 2.2	5 7

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			178.1 to 180.6 - clastic sediment bed (excellent example of medium grained sediment) - 50% mm scale quartz grains set in a fine grained moderately sericitic ground mass - displays a gradational fining? uphole through unit (tops to north?) - very sharp upper and lower contacts at 50° to core axis							
181.20	186.30	Iron Formation	Black to grey, fine grained hard and very well bedded on a 5 mm to 2 cm scale, alternate very fine grained magnetite beds and fine grained to finer medium grained grey cherty to clastic sediment beds, 60% magnetite beds, 40% clastic or cherty sediment beds - bedding @ 45° to core axis - minor 1 to 3 mm scale white concordant quartz veining - trace very fine grained disseminated pyrite	60217	181.2	186.3	5.1	<5		
186.30	193.10	Clastic Sediment	Greeny-grey, finer medium grained and moderately hard - contains a couple of 5 mm to 3 cm wide magnetite beds, bedding contacts @ 50° to core axis - minor 1 to 3mm scale erratic white quartz veining - trace fine grained disseminated pyrite - sharp contact at 193.1 @ 45° to core axis	60218 N. A.	186.3 189.3	189.3 195.5	3.0 6.2	5		
193.10	201.50	Iron Formation	Black to grey, fine grained, hard and well bedded - Iron Formation interbedded with 6" to 1' scale clastic sediment beds (85% brecciated iron formation, 15% clastic sediment beds) - sharp bedding contacts @ 45 to 50° to core axis - overall 50 to 70% very fine grained magnetic - 2% erratic 1 to 5 mm scale white quartz veining - trace disseminated fine grained pyrite							
			193.1 to 194.1 - very finely bedded iron formation, bedding on a 1 to 2 mm scale @ 50° to core axis							
			194.1 to 195.2 - clastic sediment plus 10% weakly contorted magnetite beds - contact at 195.2 @ 50° to core axis							
			195.2 to 198.1 - well bedded iron formation on a mm to cm scale, alternate magnetite rich and chert? or clastic sediment beds - sharp bedding contact at 50° to core axis; 1 - 2% erratic white 1 to 2 mm scale quartz-carbonate veinlets - mini-faulting sub-parallel to 45° to core axis offsets bedding on a mm to cm scale; trace disseminated pyrite	60219 N. A.	195.5 198.5	198.5 203.5	3.0 5.0	<5		

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			198.1 to 201.5 - contorted-brecciated mixture of magnetite iron formation and clastic sediment, 3 - 5% white quartz-carbonate veining at 20° to core axis; mini-faulting noted - bedding rotated towards core axis bedding at ± 30° to core axis							
201.50	206.30	Clastic Sediment	Greeny-grey, fine grained, quite hard containing 10 to 15% mm to cm scale contorted black magnetite beds, trace disseminated pyrite - very minor white mm scale quartz-carbonate veining - gradational contact at 201.5 - sharp contact at 206.3 @ 50° to core axis	60220	203.5	207.5	4.0	<5		
206.30	211.30	Iron Formation	Interbedded magnetite iron formation and clastic sediment 75% magnetite iron formation, 25% clastic sediment beds. Bedding contacts at 50 to 60° to core axis; magnetite iron formation finely bedded on a 1 to 2 mm scale. Unit contains a 6" wide bed and 1.5 ft wide bed of clastic sediment; overall trace fine grained disseminated pyrite; 2 to 3% erratic 1 to 3 mm scale quartz-carbonate veining; local red hematitic beds; contact at 211.3 @ 55° to core axis							
			At 208.0 - 3 cm wide quartz vein associated with magnetite-clastic bed contact, minor disseminated pyrite	60221 60222	207.5 208.5	208.5 211.3	1.0 2.8	<5 <5		
211.30	273.30	Interbedded Magnetite Iron Formation and Clastic Sediment	Predominantly ± 80%, greeny grey clastic sediment - argillite interbedded with 20% individual black 1 to 5" scale magnetite sections - sharp bedding contact from 50 to 65° to core axis - overall magnetite lean section - magnetite sections composed of mm scale beds - local mini faulting sub-parallel to core axis - minor (1%) mm to cm scale white to grey erratic quartz veining - trace fine grained disseminated pyrite	N. A.	211.3	264.0	53.0			
			233.8 to 235.5 - interbedded argillite and mm to cm scale black fine grained magnetite beds - 60% argillite, 40% magnetite - bedding @ 45° to core axis							
			235.5 to 242.9 - medium grained clastic sediment - very minor bedded magnetite - minor erratic 1 mm to 1 cm scale grey-white quartz veining							
			242.9 to 246.4 - bedded magnetite rich section - bedding @ 40-60° to core axis - locally mini-folding (contorting) of beds; overall 40% magnetite, 60% sediment; trace disseminated medium grained cubic pyrite							

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			243.5 - 243.8 - 30% 2 to 3 mm scale quartz-carb veining parallel to bedding @ 60° to core axis							
			246.4 to 254.0 - Finer medium grained clastic sediment; very minor mm to cm scale erratic quartz-carbonate veining - trace to 1% fine grained disseminate pyrite; sharp contact at 254.0 @ 45° to core axis							
			254.0 to 256.2 - argillite, strong sericite - 2 cm wide magnetite bed at 254.0 contact							
			256.2 to 259.5 - clastic sediment bed - trace fine grained disseminated pyrite							
			259.5 to 273.2 - interbedded magnetite rich and argillite beds on a mm to a 20 cm scale - bedding contacts at 40 to 55° to core axis - 3% very erratic white quartz-carbonate veining - locally 1 to 3mm stringer pyrite associated with veining							
			At 264.5 - 1 to 2 mm scale specular hematite beds, mm scale disseminated pyrite beds hosted by magnetite beds	60223	264.0	266.0	2.0	<5		
				60224	266.0	267.5	1.5	<5		
			At 272.0 - mm spec of chalcopyrite	60225	267.5	273.2	5.7	<5		
273.2	300.2	Vuggy Argillite	Vuggy mini-faulted argillite - vuggy sections on a 1 to 5 ft scale	60226	273.2	277.5	4.3	<5		
			- overall 3% white to grey folded, faulted erratic grey quartz, 5% 1 to 3 cm scale coarse grained white quartz-carbonate veining - veining sub-parallel to 45° to core axis	N. A.	277.5	380.0	2.5			
			At 275.0 - coarse grained vuggy quartz-carbonate vein trends sub-parallel (15°) to core axis							
			277.5 to 280.8 -3% 1 to 3mm erratic quartz-carbonate veining							
			280.8 to 281.6 -vuggy section	60227	280.8	284.8	4.0	<5		
			281.6 to 294.3 -fine grained sediment containing 2 to 3% mm to 3 cm scale erratic quartz carbonate veining	N. A.	284.8	294.3	9.3			
			292.0 to 294.3 -blocky broken core							
			294.3 to 300.3 -vuggy section -10 to 15% erratic 1mm to 3 cm scale coarse grained vuggy quartz-carbonate veining							
			Comment: This vuggy section likely fault induced, possibly VLF conductor							

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
300.3	305.2	Magnetite Hematite Iron Formation	Alternate black to dark grey magnetic beds and red hematitic chert beds - bedding on a 3mm to 10cm scale at 40° to core axis - locally bedding folded and sub-parallel to core axis - hematitic chert beds tend to be boudinaged and broken - 3% erratic 1 to 3mm scale white quartz-carbonate veinlets - trace pyrite - At 300.3 contact core broken Sharp contact at 305.2 @ 50° to core axis	60229	300.3	305.2	4.9	<5		
305.2	309.4	Argillite	Greeny - grey, very fine grained soft moderately foliated @ 55° to core axis - strong sericite and chlorite - local minor pyrite 305.0 to 308.0 - 10% 2mm x 2 cm pyrite lenses (boudinaged veins) parallel to foliation 308.0 to 308.7 - banded magnetic-hematitic chert iron formation - sharp contact at 309.4 @ 55° to core axis	60230 N. A.	305.2 308.0	308.0 339.0	2.8 31.0	<5		
309.4	335.0	Clastic Sediment	Greeny grey, finer medium grained and hard locally containing 3" to 1 ' scale bedded magnetite iron formation - very minor 2 mm to 5 mm quartz carbonate veining at 30° to 80° to core axis - sharp contact at 335.0 @ 45° to core axis 318.4 to 319.3 - magnetite iron formation and fine grained specular hematite - bedding on a 1 to 2 mm scale at 55° to core axis 323.2 to 324.0 - magnetite iron formation containing one 3 to 5mm wide quartz (chert) hematite vein (bed?) parallel to bedding @ 55° to core axis 325.0 to 326.0 - interbedded magnetite iron formation and clastic sediment, minor boudinaged hematitic-chert beds							
335.00	364.10	Magnetite Hematite Chert Iron Formation	Black to grey to red, fine grained, hard and well banded (bedded) at 30 to 40° to core axis; overall 80% magnetite beds and 20% hematitic chert beds. -bedding generally on a 1 to 5 cm scale; hematitic chert beds tend to be broken (boudinaged) and locally contorted, fine grained specularite associated with hematitic beds. -bedding at low angle to core axis (30° or less) result of shearing and rotating toward plane of core							

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
			axis (tectonic induced bedding orientation)	60231	339.0	342.5	3.5	<5
			-very minor interbedding of clastic sediment -sharp contact at 364.1 @40° to core axis	N. A.	342.5	349.5	7.0	
			349.5 to 351.5 - 20% very erratic to blotchy white 1 to 3 cm scale carbonate veining	60232	349.5	351.5	2.0	<5
				N. A.	351.5	361.0	9.5	
364.1	372.6	Clastic Sediment	Greeny-grey, finer medium grained and hard containing 2% 1 mm to 1 cm scale erratic quartz carbonate veining; trace fine grained disseminated pyrite - contact at 372.6 @ 50° to core axis 371.6 to 372.6 - blocky broken core - looks drill induced	60233	361.0	364.0	3.0	<5
				N. A.	364.0	392.0	28.0	
372.6	405.6	Magnetite Hematite Chert Iron Formation	Bedded magnetite - hematitic chert on 3 mm to 2 cm scale; strong bedding and foliation fabric @ 50° to core axis; very similar to section 335.0 to 364.1 - minor interbedded clastic sediment on a 2 to 4" scale; sharp contact at 405.6 @ 55° to core axis					
			386.8 to 387.3 - brecciated iron formation - 20% very erratic stockwork white carbonate veining	60234	392.0	397.0	5.0	<5
				60235	397.0	402.0	5.0	<5
			392.5 to 404.0 - 3 to 5% 2mm to 1 cm scale white quartz veining parallel to bedding at 50° to core axis; trace medium grained disseminated pyrite	60236	402.0	405.6	3.6	<5
405.6	538.0 E.O.H.	Sheared Clastic Sediment	Grey, finer medium grained, hard and well banded to sheared @ 55 to 60° to core axis	60237	405.6	410.6	5.0	<5
			- distinct light to dark grey banding on a 5 mm to 1 cm scale; light grey bands predominantly siliceous	60238	410.6	415.4	4.8	17
			- minor erratic to concordant white quartz veining	60239	415.4	420.0	4.6	6
			- overall 1% medium grained disseminated pyrite to disseminated pyrite trains parallel to shearing	60240	420.0	425.0	5.0	<5
			- locally up to 5% disseminated pyrite over 10 cm sections	60241	425.0	428.0	3.0	36
			At 427.8 - very irregular 2 to 3 cm scale white carbonate vein					
			428.0 to 432.0 - mm scale contorted bedding at low angle to core axis; 5 to 10% erratic blue-grey quartz veining - 2 to 3% fine grained to medium grained disseminated pyrite	60242	428.0	432.0	4.0	270
			432.0 to 433.3 - quartz vein - white to locally blueish grey - 5% irregular inclusions of sediment - trace pyrite - broken contacts	60243	432.0	433.3	1.3	238

MINGOLD RESOURCES INC.
Eastern District

PROJECT: UNDERSILL DRILL HOLE NO. UND - 5

Date: February 27, 1989

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
			433.6 to 434.6 - quartz vein - grey to purpleish - 20% inclusions of sediment host - trace disseminated pyrite - irregular contacts							
			463.1 to 463.5 - quartz vein - bluey grey - sheared? vein, black banded crystals aligned sub-parallel to core axis - sharp upper and lower contacts at 50° to core axis	60248	463.0	463.5	0.5	1644		
				N. A.	463.5	492.5	29.0			
				60249	492.5	494.5	2.0	8		
				N. A.	494.5	506.0	11.5			
			492.5 to 494.5 - 5% 2mm to 2 cm bluey grey quartz veining, trace pyrite	60250	506.0	508.0	2.0	5		
				N. A.	508.0	520.9	12.9			
			520.9 to 521.2 - quartz vein, white, 20% wispy inclusions of host - sharp contacts at 60° to core axis	60251	520.9	522.4	1.5	85		
				60252	522.4	527.4	5.0	<5		
				N. A.	527.4	538.0	10.6			

MR. OWE -1

Ministry of Northern Development and Mines

Ontario

Report of Work

DOCUMENT No. W8904-143

Mining

52H09SE0004 13 MARYJANE LAKE

900

Name and Postal Address of Recorded Holder

MINGOLD RESOURCES INC.

T 4617

Box 28, Toronto Dominion Centre, Toronto, Ontario M5K 1B8

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 2064

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
TB	990157	121.4	TB	990165	121.4	TB	1021392	121.4
	990158	121.4		990166	121.4			
	990159	121.4		1021386	121.4			
	990160	121.4		1021387	121.4			
	990161	121.4		1021388	121.4			
	990162	121.4		1021389	121.4			
	990163	121.4		1021390	121.4			
	990164	121.4		1021391	121.4			

All the work was performed on Mining Claim(s): 990161 and 990165

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond Drilling - BQ (1 7/16" diameter)

Contractor: Northwest Geophysics, Box 3263, Thunder Bay, Ontario P7B 5E8

Drilled 5 holes totalling 2064 feet from Nov. 11/88 to Nov. 26/88

Assessment Credit Requested = 2064 Days

Core stored at Jellicoe General Store, Jellicoe, Ontario

+ Work Assignment:

TB 990161 - 1269 - 2731

TB 990165 - 1247 - 2753

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES OFFICE
APR 3 1989
RECEIVED

JUN 28 16

Date of Report	Recorded Holder or Agent (Signature)
March 23, 1989	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

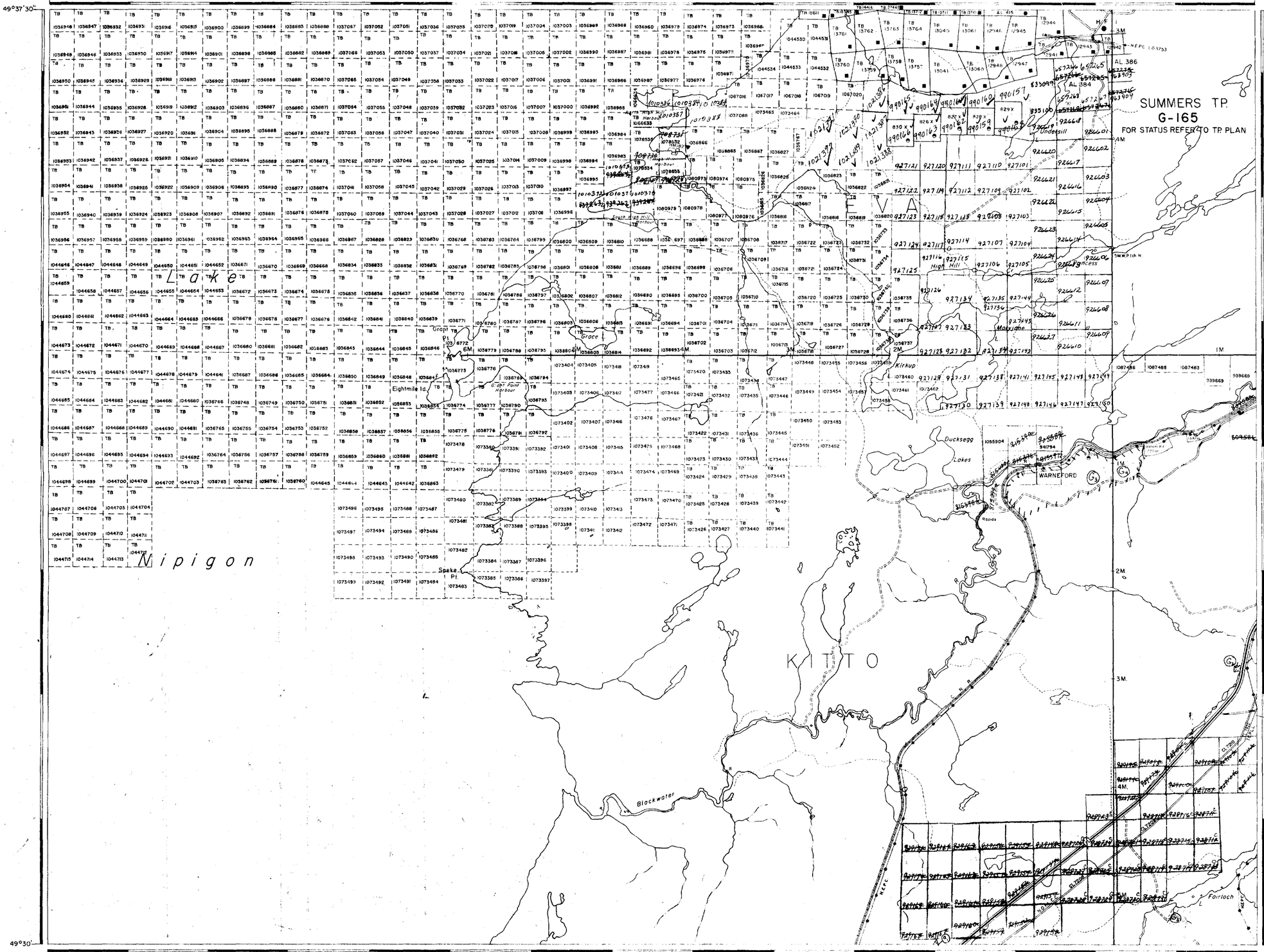
Brian Nelson, 935 Cobalt Crescent, Thunder Bay, Ontario P7B 5Z4

Date Certified	Certified by (Signature)
March 23, 1989	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording.	*Names and addresses of owner or operator* together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

POPLAR POINT G-116



PIJITAWABIK BAY & KILKENNY TWP. G-111

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◓
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◨
" MINING RIGHTS ONLY	◧
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	CS
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	(C)
SAND & GRAVEL	(G)

SCALE: 1 INCH = 40 CHAINS

FEET 0 500 1000 2000 4000 6000 8000

METRES 0 200 400 600 800 1 KM 2 KM

AREA

MARYJANE LAKE

M.N.R. ADMINISTRATIVE DISTRICT

NIPIGON

MINING DIVISION

THUNDER BAY

LAND TITLES / REGISTRY DIVISION

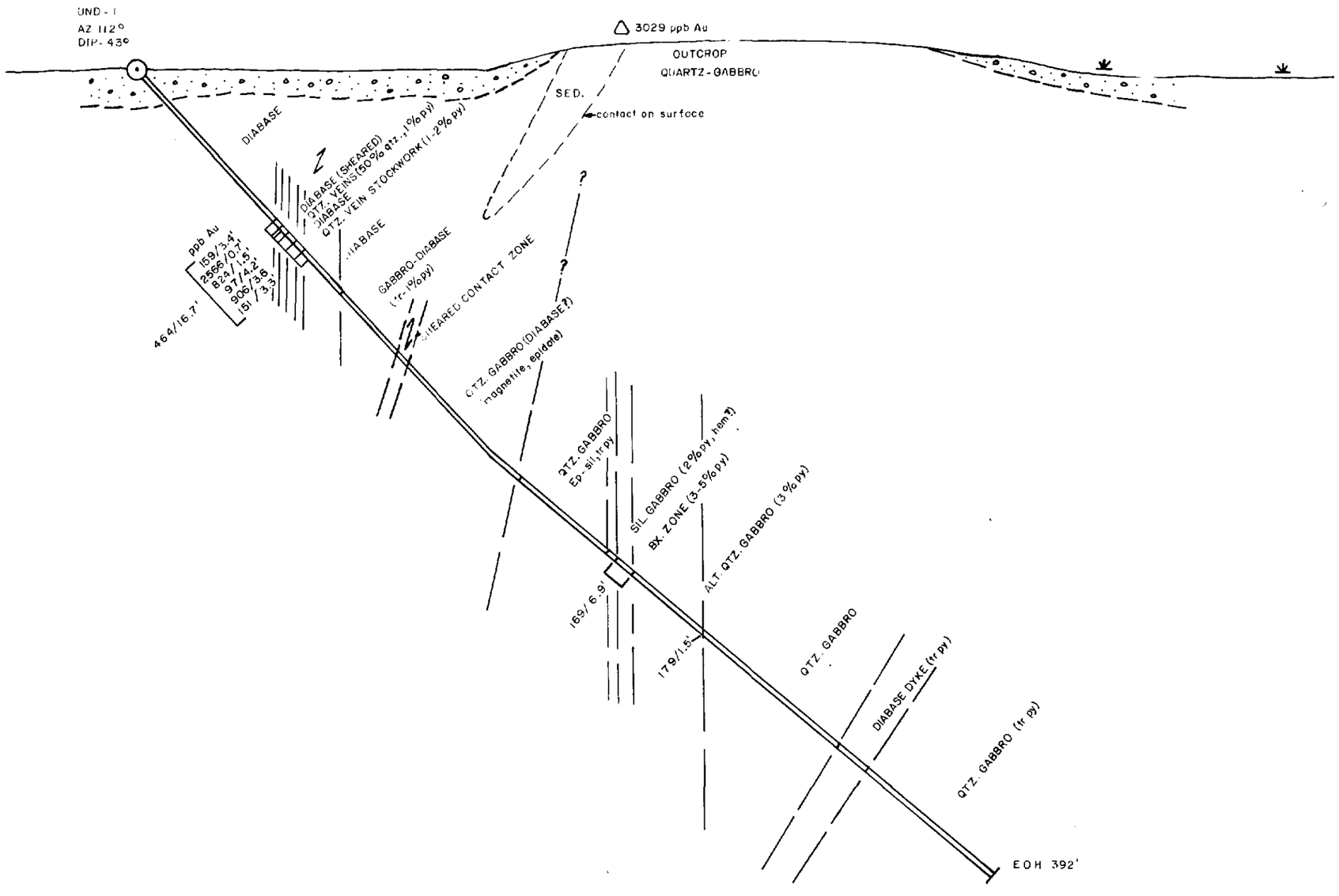
THUNDER BAY

Ministry of Natural Resources — Land Management Branch

Ontario

52H09SE0004 13 MARYJANE LAKE

200



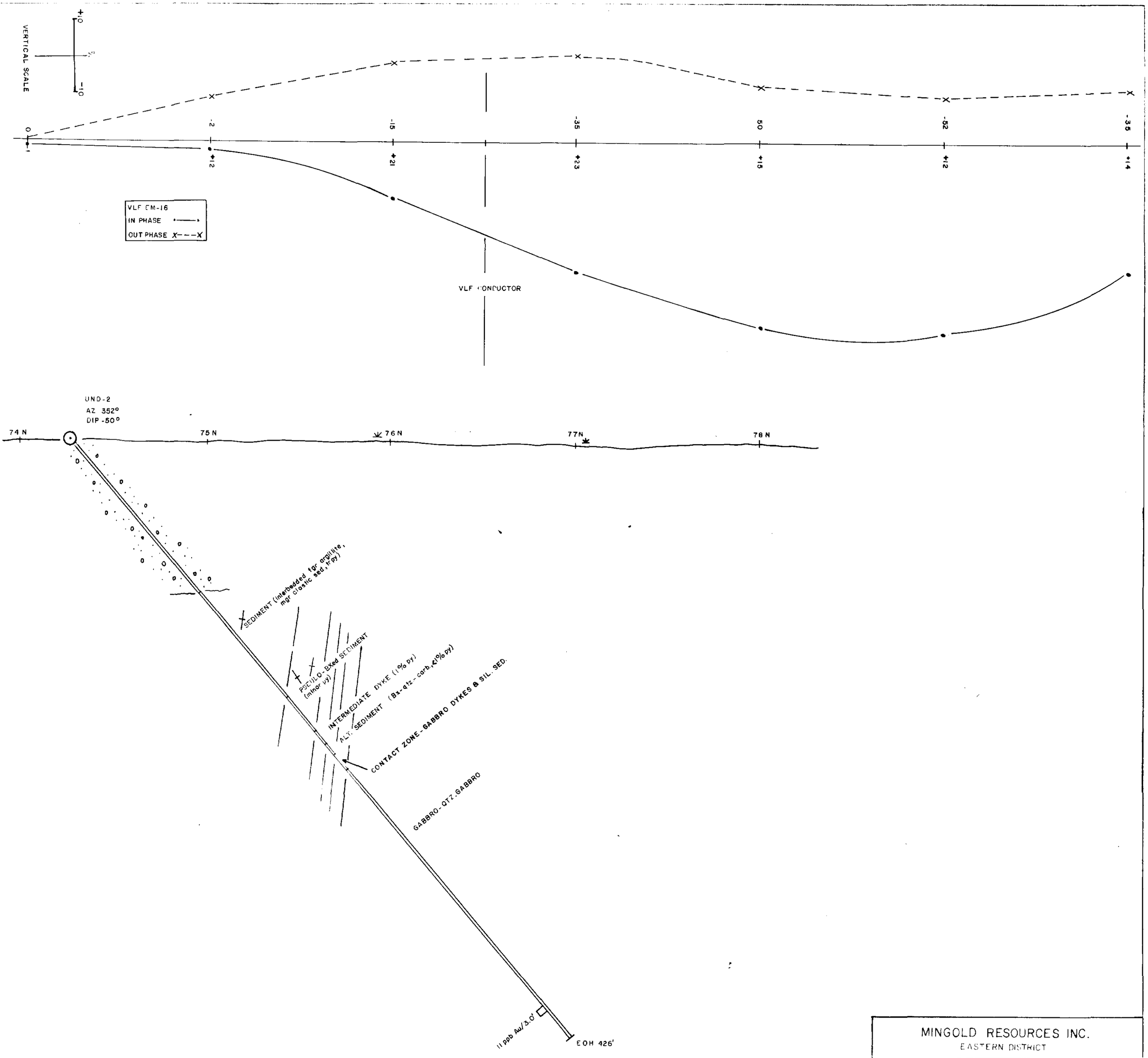
MINGOLD RESOURCES INC.
EASTERN DISTRICT

UNDERSILL PROJECT
DRILL HOLE UND-I
OFF SECTION LOOKING NNE
(92+00W, 84+00N)

SCALE: 0 25' 50'

DATE: FEB 1989

DRAWN BY: S.A.B.



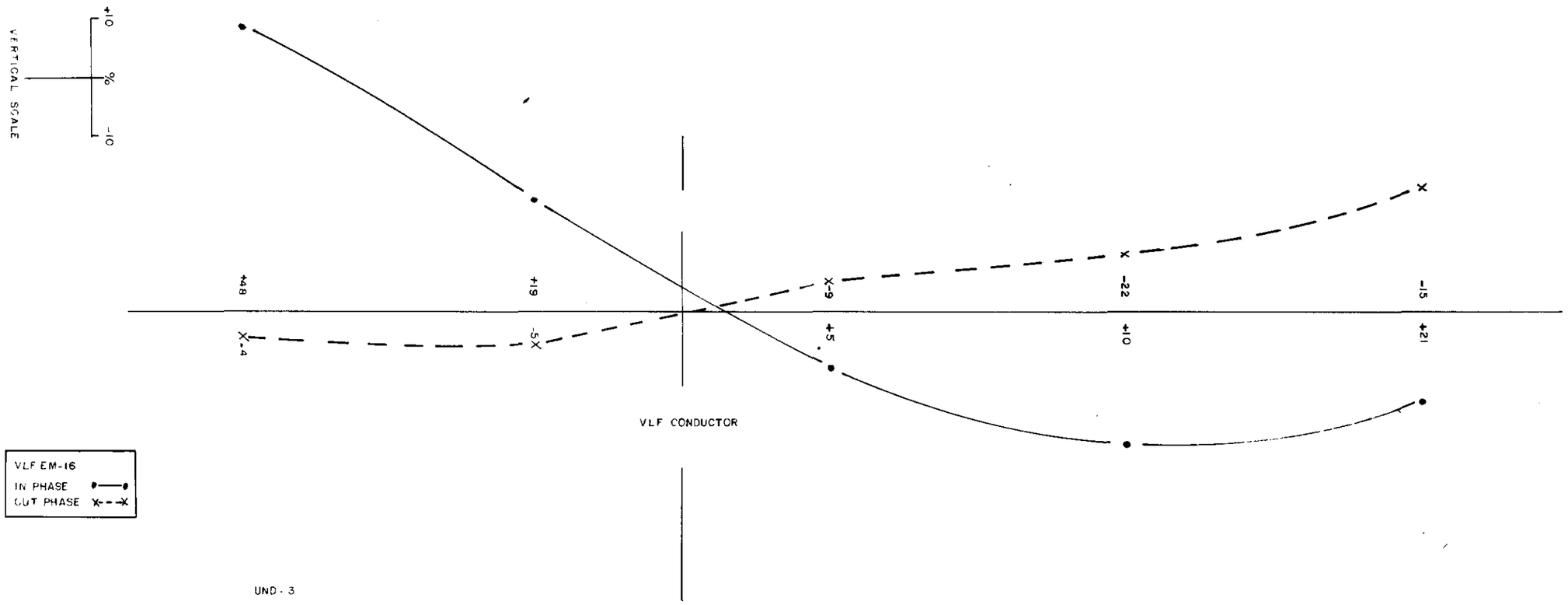
MINGOLD RESOURCES INC.
EASTERN DISTRICT

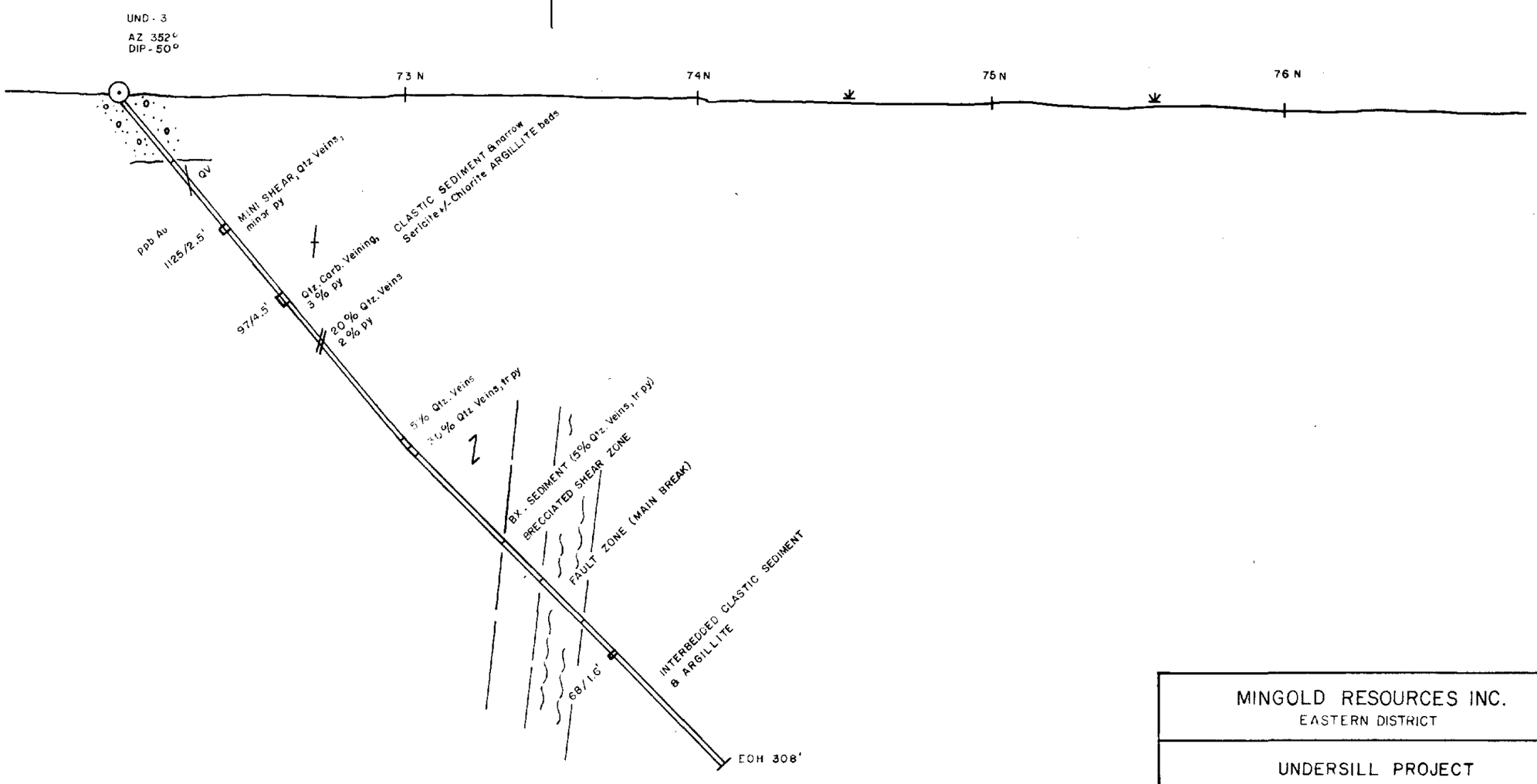
UNDERSILL PROJECT
DRILL HOLE UND-2
SECTION 88+00W LOOKING WEST

SCALE: 0 25' 50'

DATE: FEB 1989

DRAWN BY: S.A.B.





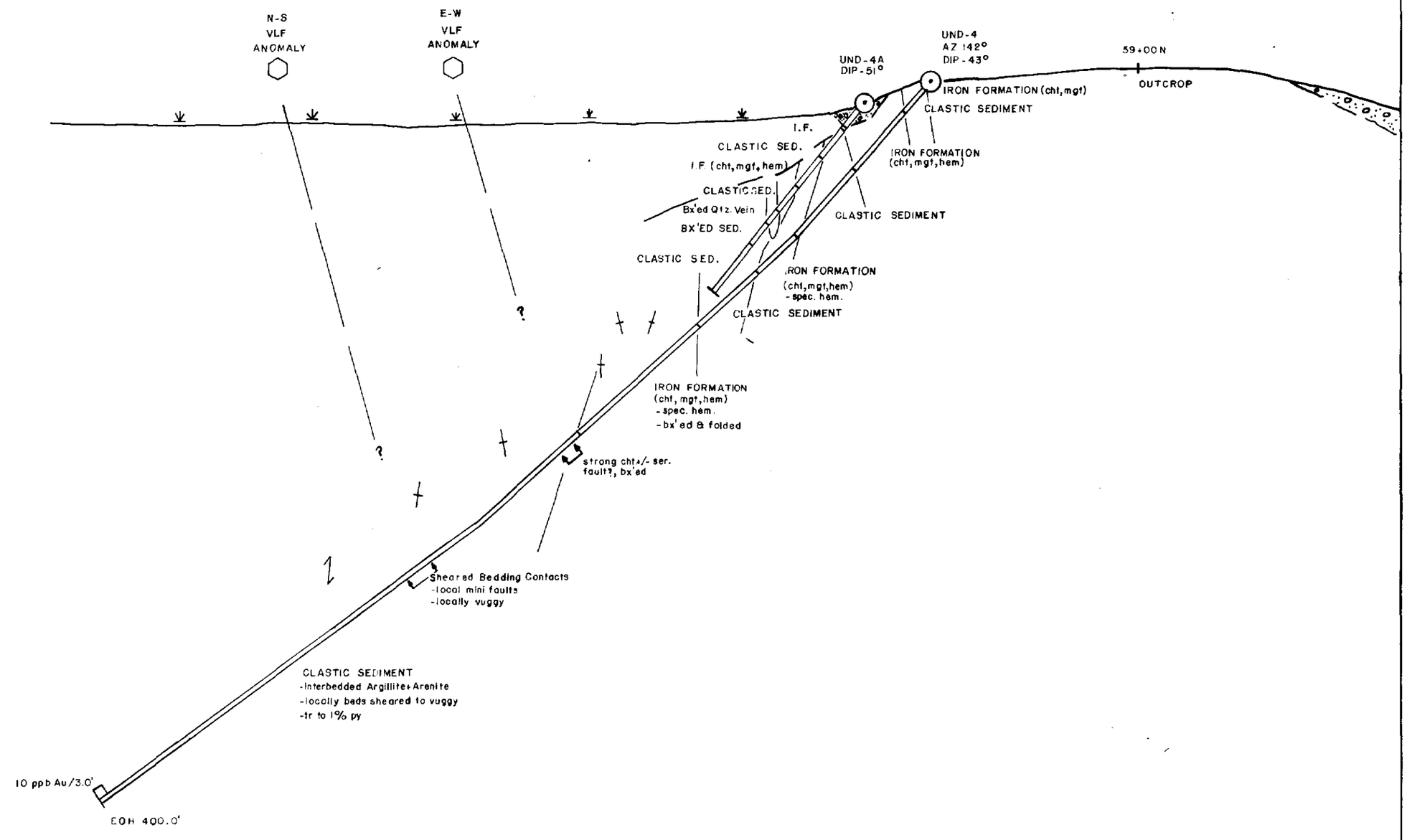
MINGOLD RESOURCES INC.
EASTERN DISTRICT

UNDERSILL PROJECT
DRILL HOLE UND-3
SECTION 88+00W LOOKING WEST

SCALE: 0 25' 50'

DATE: FEB 1989

DRAWN BY: S.A.B.



MINGOLD RESOURCES INC.
EASTERN DISTRICT

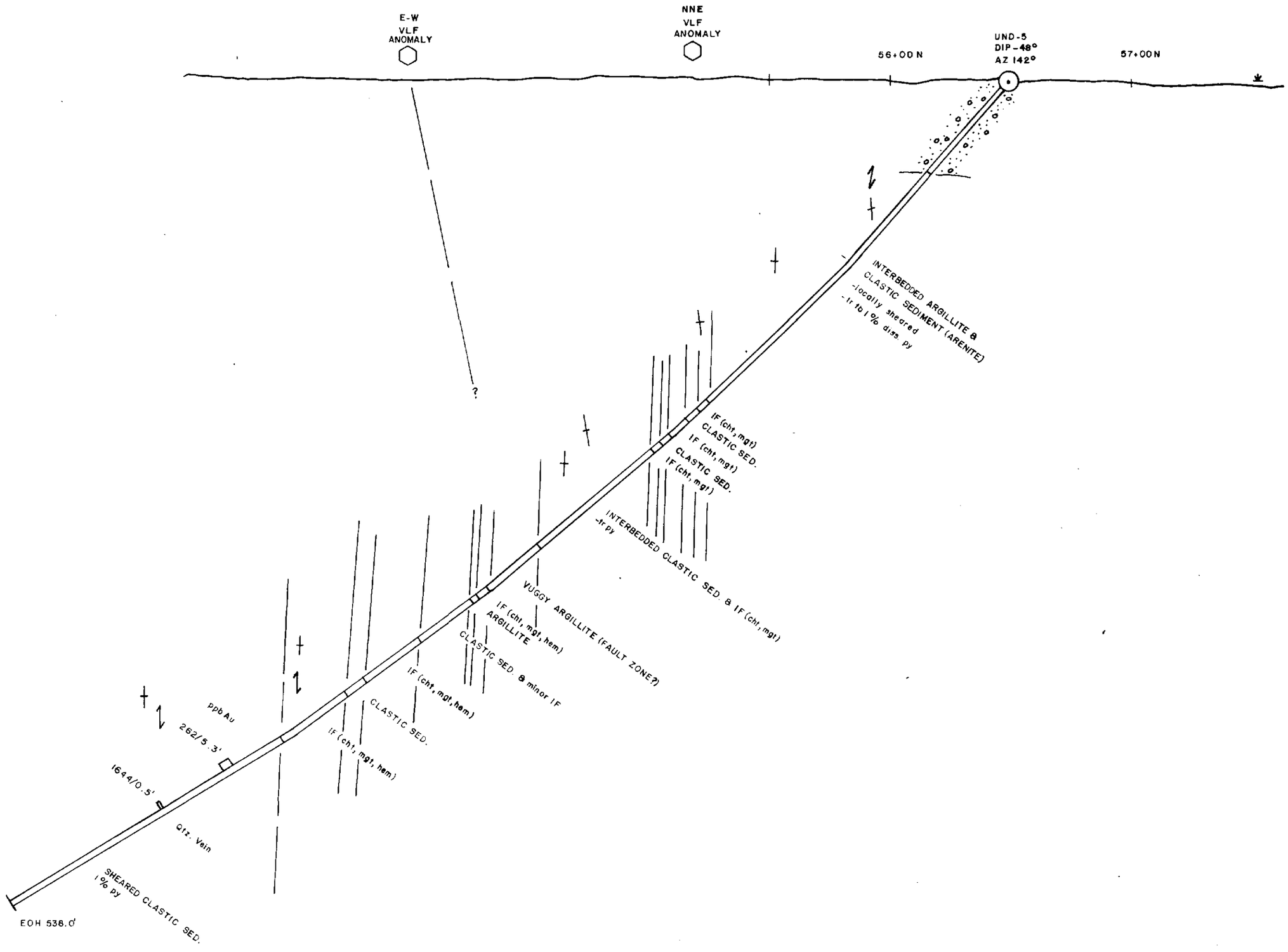
UNDERSILL PROJECT

DRILL HOLES: UND-4 (OFF SECTION-62+73W)
UND-4A (30'E of SECTION)
LOOKING WSW

SCALE: 0 25' 50'

DATE: FEB 1989

DRAWN BY: S.A.B.



MINGOLD RESOURCES INC.
EASTERN DISTRICT

UNDERSILL PROJECT
DRILL HOLE UND-5
OFF SECTION-60+00W LOOKING WSW

SCALE: 0 25' 50'

DATE: FEB 1989

DRAWN BY: S.A.B.