



41009SE0059 14 YEO

010

DIAMOND DRILLING

TOWNSHIP: YEO

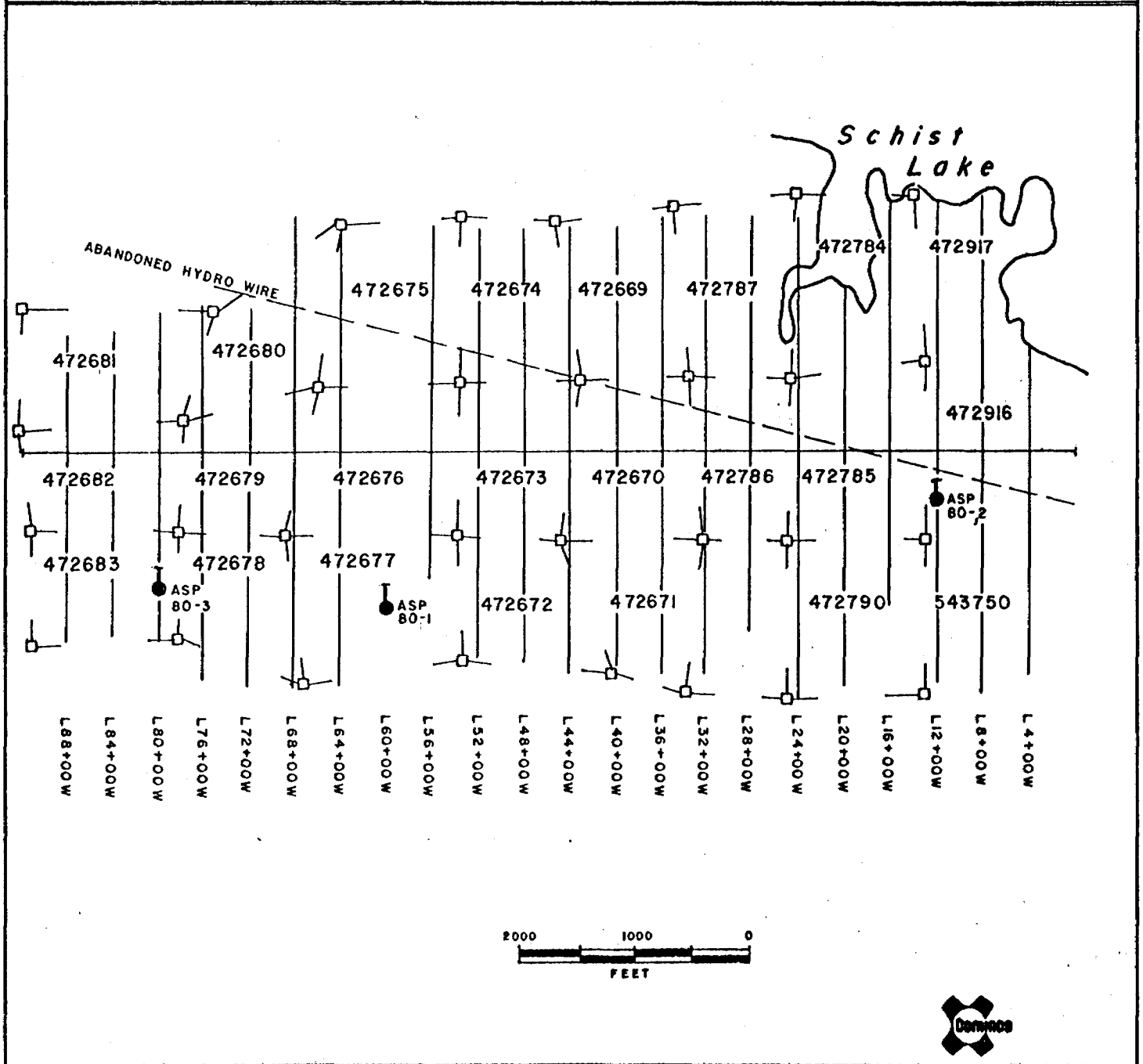
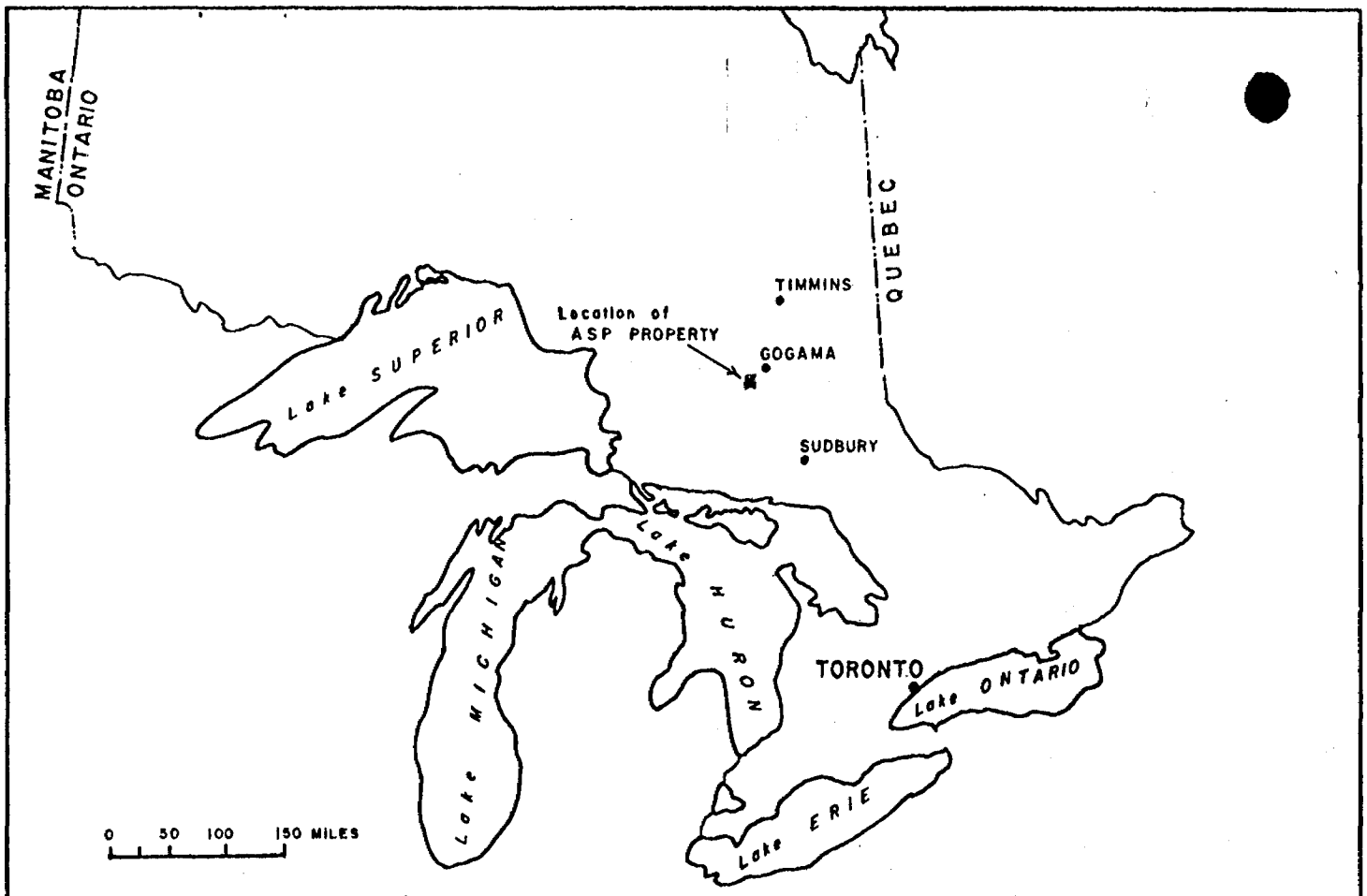
REPORT No.: 14

WORK PERFORMED BY: COMINCO LIMITED

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 514677	A-80-1	90.9 m	Apr./80	(1)
P 472916	A-80-2	66.6 m	May/80	(1)
P 514683	A-80-3	91.83 m	May/80	(1)

24933

NOTES: (1) # 123-80



Drawn by: J.S.O		Traced by:		ASP PROPERTY DRILL HOLE LOCATIONS			
Revised by	Date	Revised by	Date				
				ONTARIO Scale:			
				Date: June 1980		Plate: NTS 41-0-9	

Drill Hole Record



Property	ASP	District	Eastern	Hole No.	A-80-1
Commenced	April 5, 1980	Location		Tests at	90.9m
Completed	April 30, 1980	Core Size	AQ	Corr. Dip	-32°
Co-ordinates	L60+00W, 12+60S			True Brg.	360°
Objective	Sample mineralized iron formation			% Recov.	96.6%
				Hor. Comp.	70.0m
				Vert. Comp.	57.0m
				Logged by	J.S. Olver
				Date	April 19, 1980

Claim 514677

T Brg. 360°

Collar Dip 45°

Elev.

Length 90.9m

Hole No. A-80-1 Sheet 1 of 9

Metres		Description	Sample No.	Sample No. INTERVAL	Length	Analysis	
From	To					Au (ppb)	Zn (ppm)
0	17.9	<u>MAFIC-INTERMEDIATE TUFF</u> (bedding. 2m - 15°; 4m - 5°; 6m - 45°; 8m - 45°; 10m - 40°; 12m - 45°; 14m - 45°; 16m - 50°; 18m - 50°. - fine grained drab olive green-grey matrix. Two types of fragments, (1) fine grained light green beige, elongated and boudined (1cm x 2mm. max. 30% of rock). (2) elongate quartz fragments 5cm x 1cm, 5% of rock. - silica increases 9.3 - 17.9. becomes Intermediate-Tuff grey siliceous - 8.5 - 9.5 soft chlorite enrichment - sulphides 1. Trace disseminated pyrite, po throughout 2. 1% po, pyrite blebs 8.5 - 9.5 3. 1-2% pyrite, po assoc. quartz vein 1-2mm along bedding.	59201	0-3.M	3M		
			02	3.-6.	3.	7	46
			03	6.-9.	3.	3	37
			04	9.-12.	3.	<1	63
			05	12.-15.	3.	<1	97
			06	15.-18.	3	6	231
17.9	20.45	<u>BANDED CHERT</u> (20m - 50° to core axis). Fine grained beige carbonated material has been brecciated and infilled with milky chert in large 5cm areas and also as 1cm lenses parallel to bedding. Coarse grained, pink beige carbonate is in larger siliceous areas. Sulphides 3-5% over section Po + Py occurs as (1) massive blebs up to 2cm amongst siliceous areas. (2) disseminated throughout matrix, (3) in 1mm veinlets cross-cutting, and parallel to the matrix bedding, (4) massively surrounding very angular quartz fragments from 20.3 - 20.45 - siliceous finely laminated mafic material. - marked crenulation. Lower contact gradual.	07	18.-19.5	1.5	9	207
			08	19.5-21.0	1.5	9	153

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	A-80-1
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. A-80-1 Sheet 2 of 9

From	To	Description	Sample No.	Sample INTERVAL	Length	Analysis				
						Au (ppb)	Zn (ppm)			
20.45	21.8	<u>MAFIC TUFF</u> - 60% fine grained, medium - dark green matrix - 40% fine-medium green beige particles, 5mm - 2cm - trace disseminated py + po also in blebs along bedding 1%								
21.8	24.1	<u>VERY FINE GRAINED MAFIC TUFF</u> - fine grained interlayered (1) dark green material, (2) beige white - finely layered disseminated pyrite along bedding - quartz/carbonate sweets at 22.8 - bedding (45° to core axis at 22, 60° @ 24m) - core broken and porous 23.5 - 24.1 - fragments increases to 5mm at gradual lower contact	59209	21.-24.	3.	<1	71			
24.1	30.4	<u>INTERMEDIATE TUFF</u> - similar to 9.3 - 17.9 - bedding (70° @ 26.m, 60° @ 28m, 55° @ 30m) even bedding throughout - fine grained light green/grey matrix with 2-5mm elongated carbonate beight/grey silica particles - sulphides - trace disseminated py + po also in blebs along bedding	10	24.-27.	3.	4	171			
			11	27.-30.	3.	18	181			

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	A-80-1	Claim	T Brg.	Collar Dip	Elev.	Length
Commenced	Location	Tests at	Hor. Comp.					
Completed	Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates		True Brg.	Logged by					
Objective		% Recov.	Date					

From	To	Description	Sample No.	Sample Interval	Length	Analysis	
						Au (ppb)	Zn (ppm)
30.4	42.0	BANDED CHERT 2 Phases. (1) fine grained dark grey black, soft in even thin laminations, 40-80% non mag. slightly calcareous in massive section to (10cm) and interlayered with (2) (2) Chert/Silica - fine grained smokey white/grey up to 10%. 20-60% interlayered creamy carbonate (1-5mm) - rare coarse grained beige carbonate Occurs as even layered material and as brecciated very angular fragments with unit (1) filling voids. - small scale offset faulting 1-2cm displacements 30° to core axis. Bedding 32m - 40°; 33m - 45°; 34m - 50°; 36m - 50°; 37m - 60° to core axis					
			59212	30.-31.5	1.5	6	696
		Sulphides - trace py + po throughout evenly disseminated.	13	31.5-33.	1.5	3	306
		Sulphides - occur in phase (1) in laminations along bedding	14	33.-34.5	1.5	5	276
		- occur in phase (2) as massive irregular blebs	15	34.5-36.	1.5	7	159
		30.4 - 32.2 5% py + po in (1)	16	36.-37.5	1.5	7	419
		34.8 - 35.0 7% py + po in (1)	17	37.5-39.	1.5	5	348
		36.4 - 37.1 5% po + py in (1)					
		37.3 - 37.45 3% Po in (1)					
		37.9 - 33.1 5% py, 4% po, .5% cpy in (1)					
		38.4 - 38.8 3% py in (2), 1% py in (1)					
		39.1 - 39.65 4% po, 1% py in (1) also 10% elongated blue quartz					

Hole No. A-80-1 Sheet 3 of 9

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	A-80-1
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. A-80-1 Sheet 4 of 9

From	To	Description	Sample No.	Sample Interval	Length	Analysis				
						Au (ppb)	Zn (ppm)			
		fragments well rounded 5mm x 25mm								
	39.65 - 41.4	Phase (1) becomes green/grey fine grained								
		Phase (2) has 1cm size beige carbonate in irregular angular masses, well bedded								
		2% po + py throughout in (1)	59218	39.-40.5	1.5	6	433			
	41.4 - 42.0	dark grey black phase (1)	19	40.5-42.	1.5	9	602			
		3% po + py + cpy overall								
		41.45 - 41.6 10% py, 1% cpy								
		Beddings (all to core axis) 38m - 45°; 39m - 55°; 40m - 60°; 41m - 55°, 42m - 60°								
42.0 - 46.2		<u>MAFIC TUFF</u>								
		42 - 43m, 45.8 - 46.2m, transition phase fine grain grey green, grey and green phases	20	42.-43.5	1.5	41	73			
		irregularly interlayered. Siliceous carbonated grey phase increases to 30% of core								
		away from the I.F. both top and bottom	21	43.5-45.	1.5	5	58			
		Elongated carbonate ellipses 1cm x 3mm at top and bottom of section								
		Disseminated py + po in blebs increases towards centre of section 2%	22	45.-46.2	1.2	3	61			
	43.0 - 45.8	3 components (1) 60% fine to medium grain black soft irregular angular masses								
		(2) 35% siliceous carb. white grey intermixed with (1)								
		(3) pyrite in blebs and disseminated throughout								
		cubes to 2mm, 2% overall								
	44.0 - 45.2	Q.V. @ 30° to core axis, 5% pyrite + 2% Po.								
		Bedding (T.C.A.) 43m - 45°; 44m - 60°; 45m - 60°; 46m - 55°								

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	A-80-1
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. A-80-1 Sheet 549

From	To	Description	Sample No.	Sample Interval	Length	Analysis	
						Au (ppb)	Zn (ppm)
46.2	47.0	<u>BANDED CHERT</u> Multi-phase interlayered siliceous rock (1) fine grained light green soft (2) smokey white quartz to 2cm in width (3) fine grained siliceous beige material (4) fine grained dark grey, soft material all phases inter laminated with irregular contacts. Irregular angular particles of (3) at bottom. bx. dark siliceous in beige matrix at 47m 3% Po + py assoc. quartz Bedding to core axis 60° @ 47.0m					
47.0	57.1	<u>BANDED CHERT</u> Interlaminated (1) white-grey quartz up to 4cm in width (2) fine grained grey-grey beige material (3) fine grained grey black material (4) coarse grained beige carb. with quartz	59223	46.2-47.7	1.5	11	1508
			24	47.7-49.2	1.5	5	389
	47.1 - 47.3	60% mass. po + trace cpy	25	49.2-50.7	1.5	10	1036
	47.3 - 49.7	1% po + py along bedding of (2) and (3)					
	49.7 - 51.5	2% po in (2) and (3) 1% py in (1) as blebs and masses	26	50.7-52.2	1.5	10	315
		Bedding T.C.A. 48m - 60°; 47m - 65°; 50m - 50°; 51 - 60°; 52m - 60°					

Drill Hole Record



Property	District	Hole No.	A-80-1
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

From	To	Description	Sample No.	Sample Interval	Length	Analysis		Claim	T Brg.	Collar Dip	Elev.	Length
						Au (ppb)	Zn (ppm)					
	51.5 - 57.1	phases (1) and (2) predominate, phase (1) less lam. and more fragmental Fine grain grey beige - creamy beige (carb.) material is matrix for chert. Up to 40% of core along lamination and in X cutting veinlets.	59227	52.2-53.7	1.5	130	48					
	51.5 - 57.1	up to 5% interlaminated black chert from 55.5 - 57.1 Sulphides - trace to 1% pyrite cubes finely disseminated throughout and along laminations.	28	53.7-55.2	1.5	68	13					
	52.1 - 52.5	2-4% py semi massive parallel to lam. in phase (2)	29	55.2-57.1	1.9	5	76					
	52.7 - 53.2	2% pyrite in phase (2) as above										
	53.2 - 55.0	1-2% " "										
		1cm x 5mm po bleb at 55.5 and 55.8										
		57 - 57.1 - 1% sph. blebs										
		Bedding (T.C.A.) 53m - 65°; 54m - 65°; 55m - 65°; 56m - 65°										
		Lower contact undulating laminations and minor Bx.										
57.1 - 58.4		<u>MAFIC TUFF</u> Interlaminated. (1) fine grained green-black 1mm thick (2) 1-3mm thick pinch and swell cream beige material X-cutting pink quartz/carb. veins Bedding - generally 55-60° but is almost 0° at lower contact, also brecciated and contains 10% white carbonate blebs 2mm size.	30	57.1-58.4	1.3	<1	29					

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	A-80-1	Claim	T Brg.	Collar Dip	Elev.	Length
Commenced	Location	Tests at	Hor. Comp.					
Completed	Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates		True Brg.	Logged by					
Objective		% Recov.	Date					

From	To	Description	Sample No.	Sample Interval	Length	Analysis	
						Au (ppb)	Zn (ppm)
		Sulphides. Trace py + po throughout 1% over last 10cm					
		Lower contact sharp but irregular					
58.4	72.0	<u>BANDED CHERT</u>					
		Intermixed (1) grey/white quartz in layers and of fragments often brecciated up to 3cm thick					
		(2) beige grey fine grained carb.	59231	58.4-59.9	1.5	21	62
		(3) grey-black fine grained material					
		Xcutting 1-2mm quartz veins. 5cm	32	59.9-61.4	1.5	10	51
62.6	65.0	90% quartz					
		Sulphides.	33	61.4-62.9	1.5	58	20
58.4	58.6	3% py, 1% sph along lam. and Xcutting					
59.6	60.4	4% py, 1% po mostly in Xcutting, massive blebs	34	62.9-64.4	1.5	170	35
60.4	62.4	1-2% py					
62.4	63.6	1% diss. Asp. blebs, 1% pyrite,	35	64.4-65.9	1.5	10	327
65.0	72.0	graphite carbonations interlaminated with phase (1)	36	65.9-67.4	1.5	4	255
		100% graphite. 66.7 - 67.0; 67.6 - 67.8; 69.1 - 69.2; 70.9 - 71.1; 71.3 -					
		72.0	37	67.4-68.9	1.5	8	190
66.5	72.0	core is very broken up. .5m core lost between 71.0 - 73.0	38	68.9-70.4	1.5	5	262
66.0	72.0	quartz layers very brecciated	39	70.4-71.9	1.5	41	81
		Sulphides.					
64.0	72.0	Trace diss. blebs of sphalerite					

Hole No. A-80-1 Sheet 7 of 9

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	A-80-1
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

From	To	Description	Sample No.	Sample Interval	Length	Analysis		Claim	T Brg.	Collar Dip	Elev.	Length
						Au (ppb)	Zn (ppm)					
	66.4 - 67.0	2-3% pyrite + Po along graphitic laminations										
	67.6 - 67.8	2% pyrite " "										
	66.0 - 70.0	1-2% py in graphite assoc. brecciated quartz (autobx)										
72.0 - 74.7		MAFIC DYKE 10% irregular black 1-2mm blebs	59240	71.9-73.4	1.5	3	181					
		- calcareous non magnetic medium grained grey black										
		- crosscutting carb. veinlets 1-2mm 1/2cm	41	73.4-74.9	1.5	1	602					
		- irreg. top and bottom contacts										
		- trace 1% diss. py.										
		Beddings 62m - 65°; 64m - 65°; 65m - 60°; 66m - 65°; 68m - 60°; 69m - 80°; 70m - 80°; 71										
74.7 - 75.5		<u>GRAPHITE</u>	42	74.9-76.0	1.1	3	57					
		- graduated contacts - competent rock										
		- fine-medium grained, black tuffaceous										
		- 2% pyrite along lam.										
		Bedding 75m - 70°; 76m - 70°										
75.5 - 90.9		<u>INTERMEDIATE MAFIC TUFF</u>	43	76.0-79.	3.	3						
		- very regular evenly laminated medium grained tuff	44	79.0-82.	3.	5						
		- very calcareous	45	82.0-85.	3.	10						
		- crosscutting quartz carb. veins 20/metre	46	85.0-88.	3.	3						
			47	88.0-90.9	2.9	1						

Hole No. A-80-1 Sheet 8 of 9

Scale

Colour Plot & Dips

Drill Hole Record



Property	District	Hole No. <u>A-80-1</u>	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

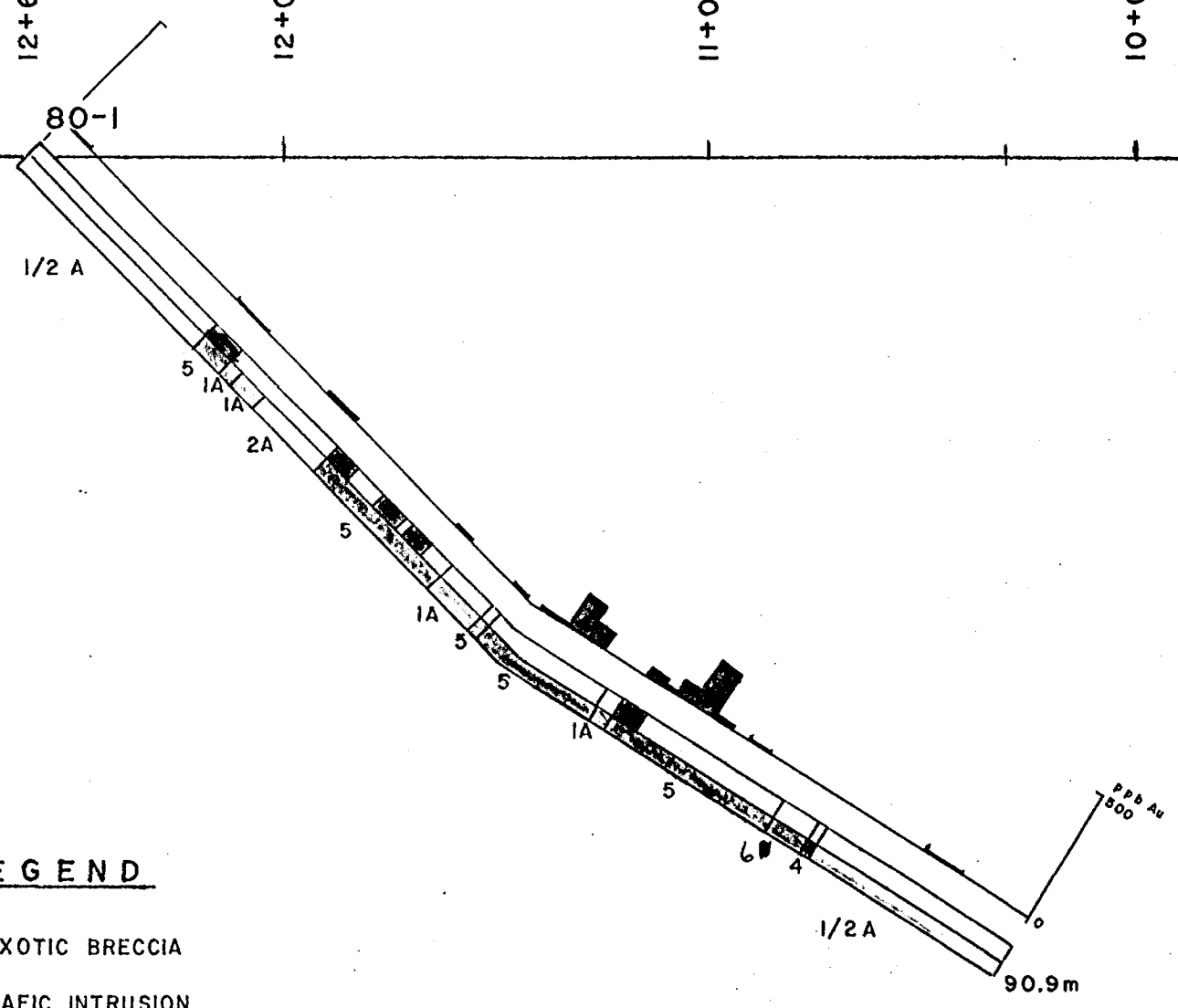
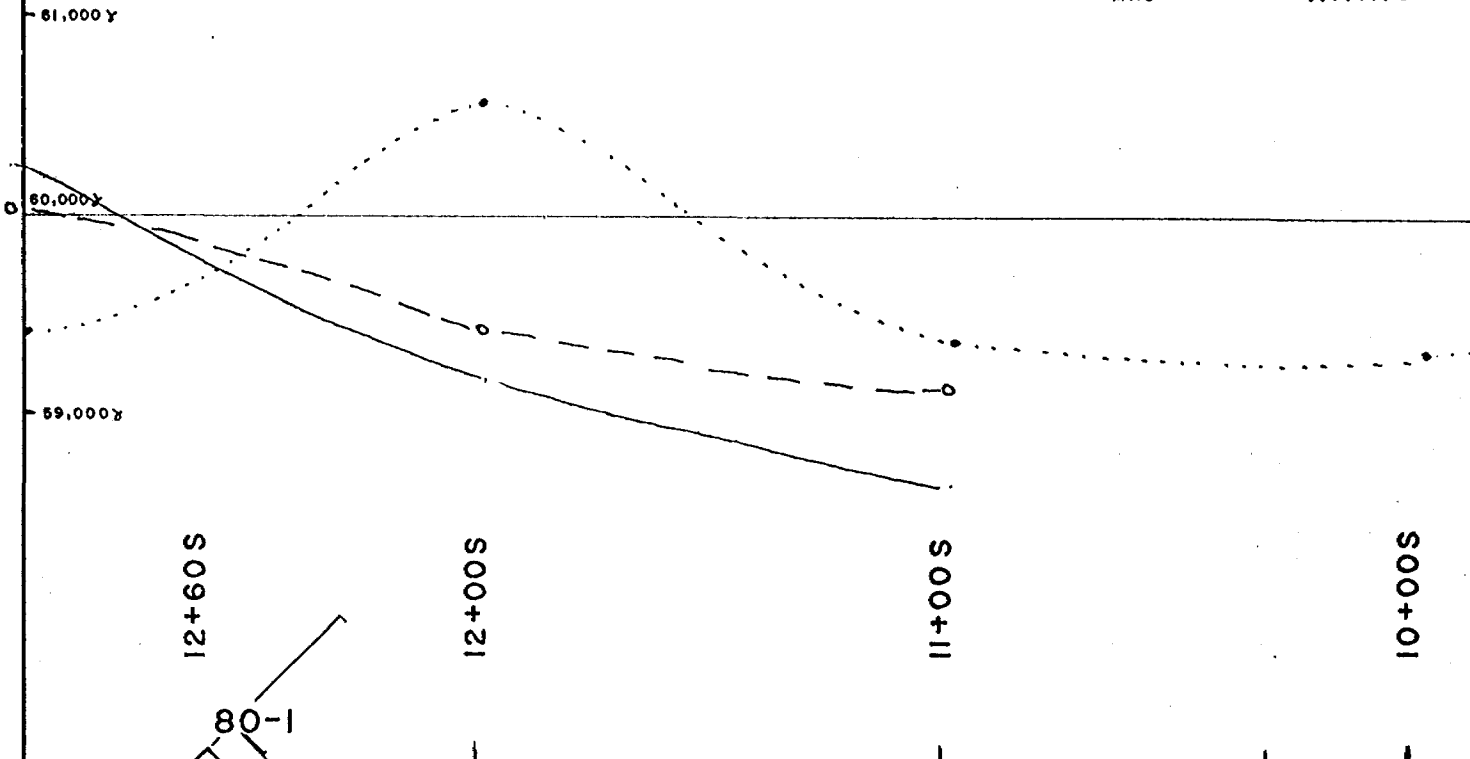
Claim
T Brg.
Collar Dip
Elev.
Length

From	To	Description	Sample No.	Length	Analysis
		- trace - 1% diss. pyrite throughout			
		- bedding 70° throughout			
	86.0 - 90.9	becomes green/grey with 10% irreg. creamy blebs to 1mm in size.			
	90.9m	END OF HOLE			

James S. Oliver
Geologist

Hole No. (A)-80-1 Sheet 9 of 9

H L E M
 IN - PHASE
 OUT-OF-PHASE
 PROFILE SCALE 1" = 20%
 MAG



LEGEND

- EXOTIC BRECCIA
- 6 MAFIC INTRUSION
- BANDED CHERT
- 4 CARBONACEOUS SEDIMENT
- 3A FELSIC TUFF
- 2A INTERMEDIATE TUFF
- 1A MAFIC TUFF

- SULPHIDES
- 1- 3%
 - 3- 10%
 - > 10%



Drawn by: J.S.O		Traced by: K.B	
Revised by	Date	Revised by	Date

ASP PROPERTY
 D.D.H ASP-80-1
 L-60+00W, 12+60S
 - 45° Az 360°

ONTARIO

Scale: 1:500 Date: May 1980 Plate: N.T.S 41-0-9

Scale
Colour Plot
& Dips

Drill Hole Record



Property	ASP	District	Eastern	Hole No.	A-80-2	
Commenced	May 2, 1980	Location		Tests at	66.6	
Completed	May 7, 1980	Core Size	AQ	Corr. Dip	-36°	
Co-ordinates	12+00W, 4+00S			True Brg.	360°	
Objective	Sample mineralized iron formation			% Recov.	95%	
					Date	June 10, 1980

Claim 472916
T Brg. 360°
Collar Dip -45°
Elev.
Length 66.6m
Hole No. A-80-2 Sheet / 44

Metres		Description	Sample No.	Sample Interval	Length	Analysis	
From	To					Au (ppb)	
0	22.0	<u>MAFIC TUFF</u> - medium grained, light green/grey, medium hard - 2 phases (1) 80% elongated grey (1cm x 2.4mm) particles carbonated (2) fine grained green matrix - core moderately competent, rusty on fractures - well bedded but variable (4m -20°; 5 - 55°; 6 - 30°; 7 - 45°; 8 - 40°; 9 - 70°; 10 - 50°; 11 - 55°; 12 - 40°; 13 - 80°; 14 - 70°; 15 - 0°; 16 - 65°; 17 - 80°; 18 - 0°; 19 - 70°; 20 - 55°; 21 - 30°; 22 - 45°; 23 - 45°; 24 - 55°; 25 - 55°; 26 - 45° - massive white quartz sweats with coarse grained carbonate; 3cm @ 6.7m, 8.7 - 9.0; 11.4 - 11.5; 18.3 - Sulphides - trace - 1% pyrite along bedding throughout - 5% pyrite 16.0 - 16.1	59001	0-3.	3.		
			02	3-6	3.	3	
			03	6.-9.	3.	<1	
			04	9.-12.	3.	<1	
			05	12.-15.	3.	<1	
			06	15.-18.	3.	1	
			07	18.-20.	2.	<1	
22.0	28.9	<u>INTERMEDIATE-MAFIC TUFF</u> - fine to medium grained tuff. <u>very hard</u> - 20% phase (1) above carbonated 80% phase (2) - evenly bedding and regular (22 - 45°; 23 - 45°; 24 - 55°; 25 - 55°; 26 - 45°; 27 - 45°; 28 - 50°) - Sulphide - 1% disseminated pyrite along bedding - 5% po over 1cm @ 22.15 - crosscutting carb/quartz veins 10/m. (1-10mm thick)	08	20.-22.	2.	2	
			09	22.-25.	3.	<1	
			10	25.-27.	2.	3	
			11	27.-28.9	1.9	1	

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No. A-80-2			
Commenced	Location	Tests at	Hor. Comp.		
Completed	Core Size	Corr. Dip	Vert. Comp.		
Co-ordinates		True Brg.	Logged by		
Objective		% Recov.	Date		

From	To	Description	Sample No.	Sample Interval	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length
28.9	39.1	<u>MAFIC INTRUSIVE</u>				Au (ppb)					
		- medium to coarse grained dark grey green intrusive									
		- 2 phases (1) saussuritized feldspar crystals (30-40%) 1-2mm at end points 4mm in mid-section.									
		Calcareous	59012	28.9-32.	3.1	<1					
		(2) fine grained dark green matrix									
		- non magnetic, medium soft, competent rock	13	32.-35.	3.	<1					
		- cross cutting carb. quartz veins ~20 from 29.1 - 29.5 @ ~30%									
		- 3 from 30.1 - 30.2	14	35.-37.	2.	<1					
		- major network 35.2 - 36.1 0° to core axis									
		- 10/m from 36.0 - 38.0	15	37.-39.1	2.1	1					
		100 from 38.0 - 39.1									
		- lower contact sharp and irregular									
		- Sulphides - trace disseminated pyrite throughout									
39.1	50.45	<u>BANDED CHERT</u>									
		41.0 - 43.2 interlayered 3 phase mixture									
		35% (1) fine grained green white thinly laminated (1mm) chert									
		60% (2) fine grained medium - dark green " "									
		5% (3) secondary white quartz veins									
		Phase 1 and 2 in 1 - 4cm beds. bedding constant (41m - 45°, 42 - 40°)									
		In places, phase (1) appears to be stretched fragments									
		- non magnetic very hard									

Hole No. A-80-2 Sheet 2 of 4

Drill Hole Record



Property		District	Hole No.	A-80-2		Claim	T Brg.	Collar Dip	Elev.	Length
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates		True Brg.		Logged by						
Objective		% Recov.		Date						
From	To	Description	Sample No.	Sample Interval	Length	Analysis				
		- cross cutting phase (3) veinlets 1 - 10mm				Au (ppb)				
		Sulphides 1% pyrite over section in masses along cross cutting veinlets								
		39.1 - 41.0								
		10% stretched quartz fragments 1cm x 2-4cm in 90% fine grained green black siliceous matrix.								
		Matrix is finely laminated with 2% fine pyrite along bedding.								
		10/m thin 1mm carb. cross cutting veinlets								
		Sulphides 2-3% pyrite in 5mm blebs 39.1 - 39.3	16	39.1-41.	1.9	4				
		39.6 - 38.9. 3% pyrite in massive X cutting veinlets, 0.5% sphalerite	59017	41.-43.2	2.2	9				
		39.85 - 40.35. - evenly laminated grey beige chert (80%) with 20% fine grain mafic chert								
		1% disseminated pyrite along bedding								
		Bedding constant 45°								
		43.2 - 44.1 - evenly bedded phases (1) and (2) laminations 1-5mm @ 50° to core axis	18	43.2-44.7	1.5	260				
		5% quartz fragments <5mm								
		2% fine disseminated pyrite along bedding								
		44.1 - 45.4 - same as 41.0 - 43.2. 3-4% pyrite blebs along bedding 50° to core axis. Rusty								
		45.4 - 46.2 - same as above but all green colours change to grey black, core very broken	19	44.7-46.2	1.5	120				
		up. 2-3% pyrite along fractures								
		46.2 - 49.4 - 80% brecciated angular white quartz fragments infilled by fine grained mafic	20	46.2-47.7	1.5	1				
		material and creamy carbonate, core very broken up								
		48.0 - 48.2 graphite section containing 20% quartz	21	47.7-50.45	1.75	3				
		trace sulphides								

Scale

Colour Plot
& Dips

Drill Hole Record



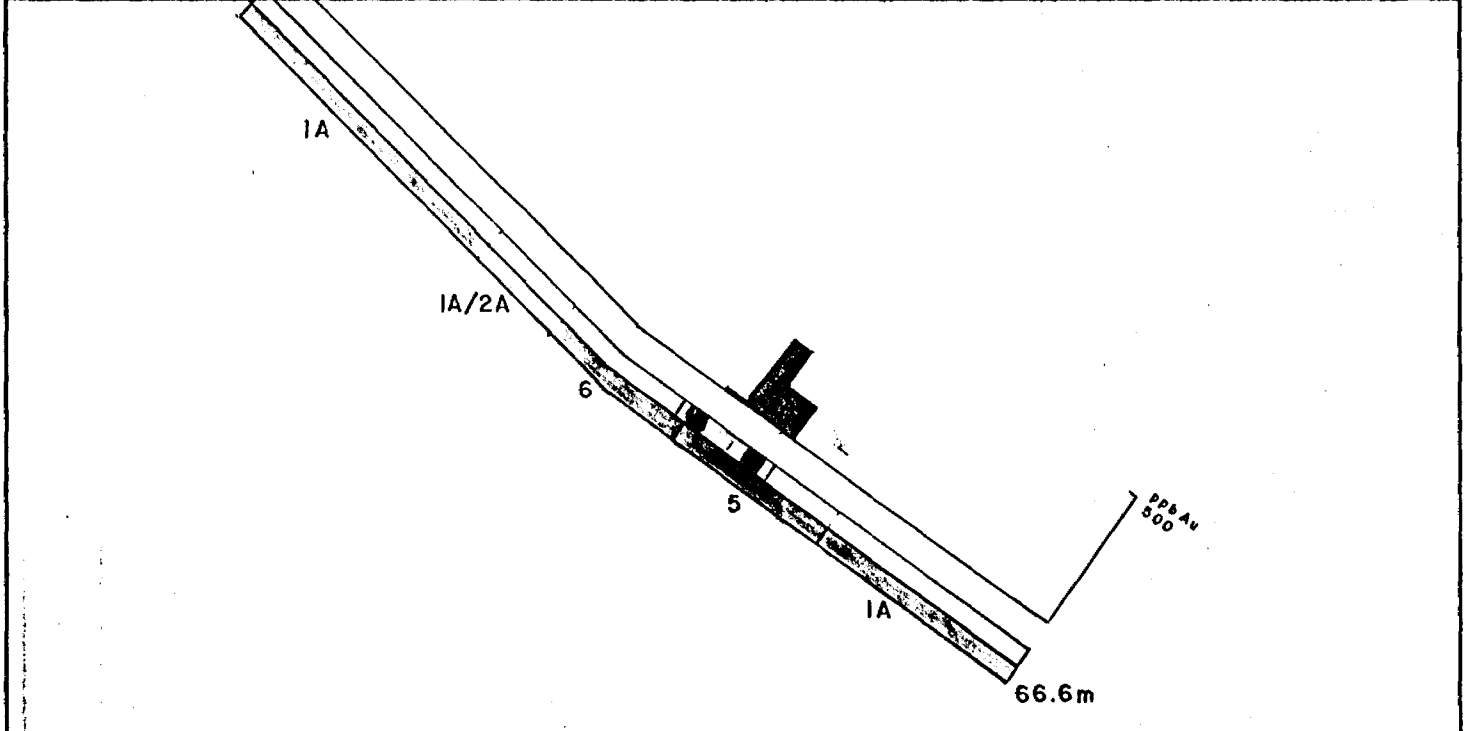
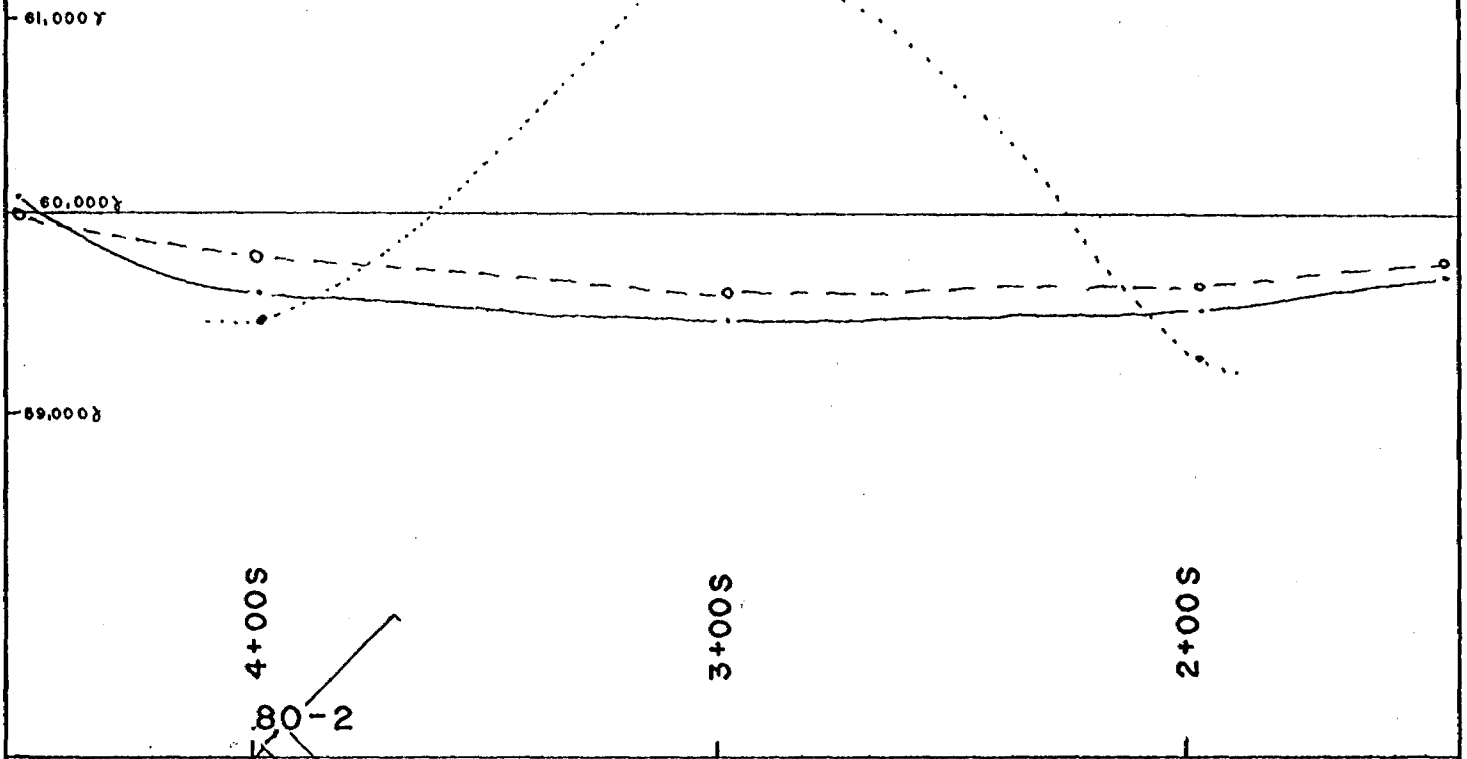
Property	District	Hole No. A-80-2	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

From	To	Description	Sample No.	Sample Interval	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length
		49.4 - 50.45 - solid white quartz trace sulphides. Brecciated at the base and infilled with fine grained green tuffaceous material, no sulphides				As (ppb)					
50.45	66.6	<u>MAFIC TUFF</u>									
		- medium grained olive green - grey tuff	59022	50.45-53.5	3.05	<1					
		- soft, non magnetic, calcareous	23	53.5-56.5	3.	<1					
		- evenly bedded ~60° to core axis	24	56.5-59.5	3.						
		- very broken up 50.45 - 53.2	25	59.5-62.5	3.						
		52.0 - 53.2 - brecciated tuff particles in graphitic muddy matrix	26	62.5-66.6	4.1						
		- cross cutting. Quartz/carb. veinlets (1mm - 2cm) 10 20/m.									
		- trace pyrite throughout									
66.6		END OF HOLE									








James S. Ober
Geologist




Hole No. A-80-2 Sheet 4 of 4

HLEM
 IN-PHASE
 OUT-OF-PHASE
 PROFILE SCALE 1" = 20%
 MAG



LEGEND

-  EXOTIC BRECCIA
-  6 MAFIC INTRUSION
-  BANDED CHERT
-  4 CARBONACEOUS SEDIMENT
-  3A FELSIC TUFF
-  2A INTERMEDIATE TUFF
-  1A MAFIC TUFF

- SULPHIDES
- 1 - 3% 
 - 3 - 10% 
 - >10% 



Drawn by: J.S.O		Traced by: K.B	
Revised by	Date	Revised by	Date

ASP PROPERTY
 D.D.H ASP-80-2
 LI2+00W, 4+00S
 -45° Az 360°

ONTARIO
 Scale: 1:500
 Date: May 1980
 Plate: N.T.S 41-0-9

Drill Hole Record



Property	ASP	District	Eastern	Hole No.	A-80-3
Commenced	May 11, 1980	Location		Tests at	91.83
Completed	May 19, 1980	Core Size	AQ	Corr. Dip	-24°
Co-ordinates	80+00W, 11+50S			True Brg.	360°
Objective	Test EM anomaly and I.F.			% Recov.	98%
					Date May 21, 1980

Claim 514683

T Brg. 360°

Collar Dip -45

Elev.

Length

91.83m

Hole No. A-80-3 Sheet 146

Metres		Description	Sample No.	Sample Interval	Length	Analysis	
From	To					Au (ppb)	
0	9.0	<u>INTERMEDIATE TUFF</u>					
		- grey, medium grained	59248	0-3	3		
		- carbonated					
		- well laminated with alternating (1-3mm) (1) mafic and (2) grey laminations (carbonated)	49	3-6	3		
		also (3) less than 1mm thick irregular brown fine grained wisps					
		- bedding (T.C.A.) averages 50° and ranges from 40 - 60°	50	6-9	3		
		- cross cutting quartz carbonate veins 5/10 per metre ranging from 2mm - 2cm					
		- Sulphides. trace pyrite in disseminated cubes and in blebs along laminations					
9.0	11.85	<u>FELSIC TUFF</u>					
		- light grey medium grain almost granular (1-3mm size)	59027	9-11.85	3		
		- moderately hard, brown wisps as above continue throughout					
		- weakly carbonated					
		- regularly bedded @ 50° to core axis					
		- trace pyrite throughout					
11.85	21.65	<u>INTERMEDIATE/MAFIC TUFF</u>					
		- medium grained grey - grey/green tuff	28	11.85-15.0	3.15		
		- evenly bedded @ 50° to core axis ranges from 45 - 55°	29	15.0-18.	3.		
		- distinct green chloritic interlaminated phase 14.4m - 14.8; 18.4 - 20.4 which contains 1%	30	18-20	2.		
		pyrite along laminations and quartz fragments up to	31	20-21.65	1.65		
		- generally over section fragments are prominent to 3mm in size					

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	A-80-3
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim 514683
 T Brg. 360°
 Collar Dip -45
 Elev.
 Length 91.83m
 Hole No. A-80-3 Sheet 2 of 5

From	To	Description	Sample No	Sample Interval	Length	Analysis
						Au. (ppb)
		- moderately carbonated				
		- lower contact gradual marked by increase in siliceous chert layer up to 1cm thick				
		- 2% pyrite, 14.1 - 14.2				
		- 1-3 cross cutting quartz carb. veins/metre unmineralized				
21.65	28.95	<u>MAFIC TUFF</u>	59032	21.65-23.	1.35	
		- medium grained grey green fragmental tuff				
		- 10% large fragments and quartz fragments stretched 1mm x 3mm in an interlaminated tuff -	33	23.-26.	3.	
		interlaminated (1) light grey material, (2) green material				
		- bedding regular averages 53° to core axis, ranges 50 - 60°	34	26.-28.95	2.95	
		- 21.65 - 22.25 - 10% quartz layers to 1cm. 2-3% interlaminated py + po				
		- trace - 1% pyrite throughout				
		- 1-2 per metre Xcutting quartz carb. veins up to 1.5cm thick				
28.95	34.85	<u>FELSIC TUFF</u>	35	28.95-30.5	1.55	
		- light grey medium grained pyroclastic				
		- fine grained grey beige siliceous matrix	36	30.5-32.	1.5	
		- fragments - 1-2mm subangular blue quartz eyes throughout (occasionally up to 1cm)				
		- 32.65 - 34.85 - 5% quartz and chert particles up to 1cm x 3cm	37	32.-34.85	2.85	
		Sulphides 1% pyrite throughout				
		29.1 - 29.2 - 2% py + po + sph				
		30.6 - 31.4 - 2% py + po				

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District	Hole No. A-80-3								
Commenced		Location	Tests at	Hor. Comp.							
Completed		Core Size	Corr. Dip	Vert. Comp.							
Co-ordinates		True Brg.	Logged by								
Objective		% Recov.	Date								
From	To	Description	Sample No.	Sample Interval	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length
		Bedding even (T.C.A.) averages 45° ranges 30-55°				Au (ppb)					
34.85	39.1	<u>INTERMEDIATE/MAFIC TUFF</u>									
		- medium grained, mid dark grey pyroclastic	59038	34.85-37.85	3.						
		- 20% fragments 5-15mm stretched (quartz mainly)									
		- bedding even 50° T.C.A.	39	37.85-39.1	1.25						
		- weakly carbonated									
		- trace pyrite disseminated throughout									
39.1	57.80	<u>BANDED CHERT</u>									
		39.1 - 45.2 - Graphitic Chert	40	39.1-40.6	1.5						
		- fine grained, hard	41	40.6-42.1	1.5						
		- interlaminated 75% (1) fine grained soft black argillite - graphite, very fine laminations	42	42.1-43.9	1.8						
		25% (2) white-white beige chert layers up to 2cm thick	43	43.9-45.2	1.3						
		- bedding regular 45-55° T.C.A.									
		Sulphides 1-3% py + po overall finely diss. and in thin laminations along laminations of (1)									
		43.45 - 43.9 - 3% py, 2% po									
45.2	46.7	<u>MAFIC TUFF</u>									
		Same as 35.96. 1% py + Tr. po	44	45.2-46.7	1.5						

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District	Hole No. A-80-3		Claim	T Brg.	Collar Dip	Elev.	Length
Commenced		Location	Tests at		Hor. Comp.				
Completed		Core Size	Corr. Dip		Vert. Comp.				
Co-ordinates		True Brg.		Logged by					
Objective		% Recov.		Date					
From	To	Description	Sample No.	Sample Interval	Length	Analysis			
						Au (ppb)			
46.7	51.35	<u>SILICEOUS TUFF LAPILLI TUFF</u>							
		Interlaminated siliceous fragmental. Quartz fragments 3cm x 1cm up to 90% in places	59045	46.7-48.2	1.5				
		47.2 - 47.8, 48.1 - 48.4	46	48.2-49.7	1.5				
		Rest is a fine grained hard siliceous grey beige tuff with 5% quartz particles	47	49.7-51.35	1.65				
		- bedding variable 45-70° average 65° to core axis							
		Sulphides - 1% disseminated py + po over sections along laminations							
		47.1 - 47.2 3% py + po interlam.							
		47.85 - 48.5 2-3% py + po "							
		48.8 - 49.5 10-15% py + po (2-3%) semi massive in fragmental matrix							
		51.1 - 51.35 5% pyrite in fragment matrix							
51.35	51.5	<u>GRAPHITE</u>							
		cf 39.1 - 45.2							
		5% interlaminated pyrite							
51.5	52.2	<u>SILICEOUS FRAGMENTAL</u>							
		Same as 47.2 - 47.8. 2% pyrite in disseminated cubes	48	51.35-52.2	.85				
52.2	57.8	<u>BANDED CHERT</u>							
		- fine grained interlayered	49	52.2-53.7	1.5				
		(1) fine grained siliceous chert black	50	53.7-55.5	1.8				
		(2) fine grained beige	3901	55.5-57.8	2.3				

Hole No. A-80-3 Sheet 5 of 6

Drill Hole Record



Property		District	Hole No. A-80-3		Claim	T Brg.	Collar Dip	Elev.	Length	
Commenced		Location	Tests at							Hor. Comp.
Completed		Core Size	Corr. Dip							Vert. Comp.
Co-ordinates		True Brg.		Logged by						
Objective		% Recov.		Date						
From	To	Description	Sample No.	Sample Interval	Length	Analysis				
		(3) fine grained white quartz				Au (ppb)				
		The 3 phases in equal proportions, individual layers up to 2cm								
		- bedding even 60-70° to core axis								
		- 1% pyrite over section along lam. in unit (1)								
57.8	86.1	<u>GREEN MAFIC TUFF</u>	3902	57.8-60.8	3.					
		- very competent medium grained tuff	03	60.8-63.8	3.					
		- grey green becoming medium green by 62.0m to the end of the hole	04	63.8-66.8	3.					
		- 10% 1-2mm irregular white grains (lencosphene) also 10-20%, 2-4mm mafic grains	05	66.8-69.8	3.					
		- bedding very regular averaging 55-60° to core axis	06	69.8-72.8	3.					
		- very carbonated over to 4m. of section somewhat less over remainder of section	07	72.8-75.8	3.					
		- 5-7 crosscutting carb/quartz veins per metre, 2-10mm in width	08	75.8-78.8	3.					
		- trace disseminated pyrite throughout	09	78.8-81.8	3.					
			10	81.8-84.8	3.					
86.1	86.65	<u>BRECCIA</u>	11	84.8-86.1	1.3					
		- breccia made up of 45% very angular particles from 2mm to 5cm in size in a fine to medium	12	86.1-86.65	.55					
		grained graphitic maroon-black matrix	13	86.65-89.65	3.					
		- fragments seem foreign to all local rock types	14	89.65-91.85	2.18					
		- fragments - arkoses, quartz fragments, very carbonated								
		- sharp contacts								
		- 1% disseminated pyrite								

Scale
Colour Plot & Dips

Drill Hole Record



Property	District	Hole No.	A-80-3
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

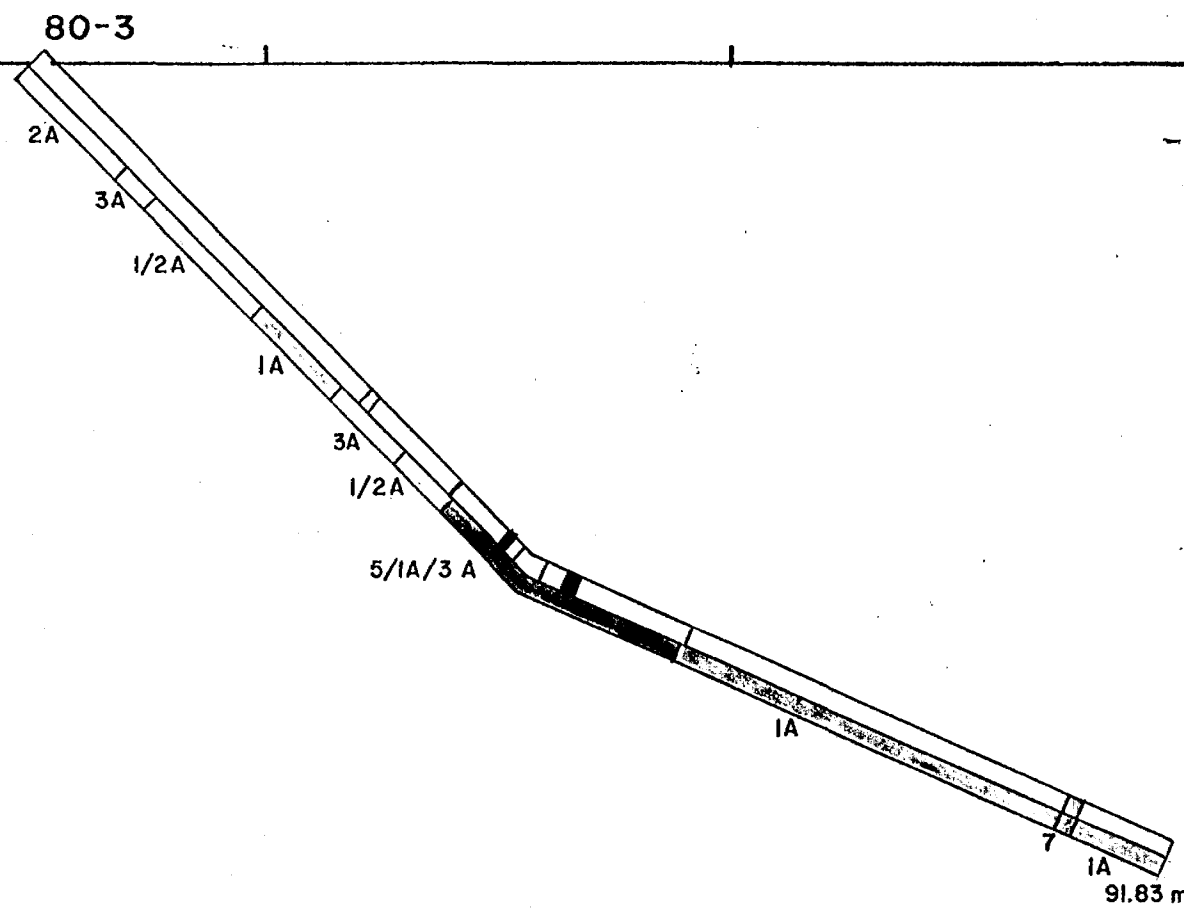
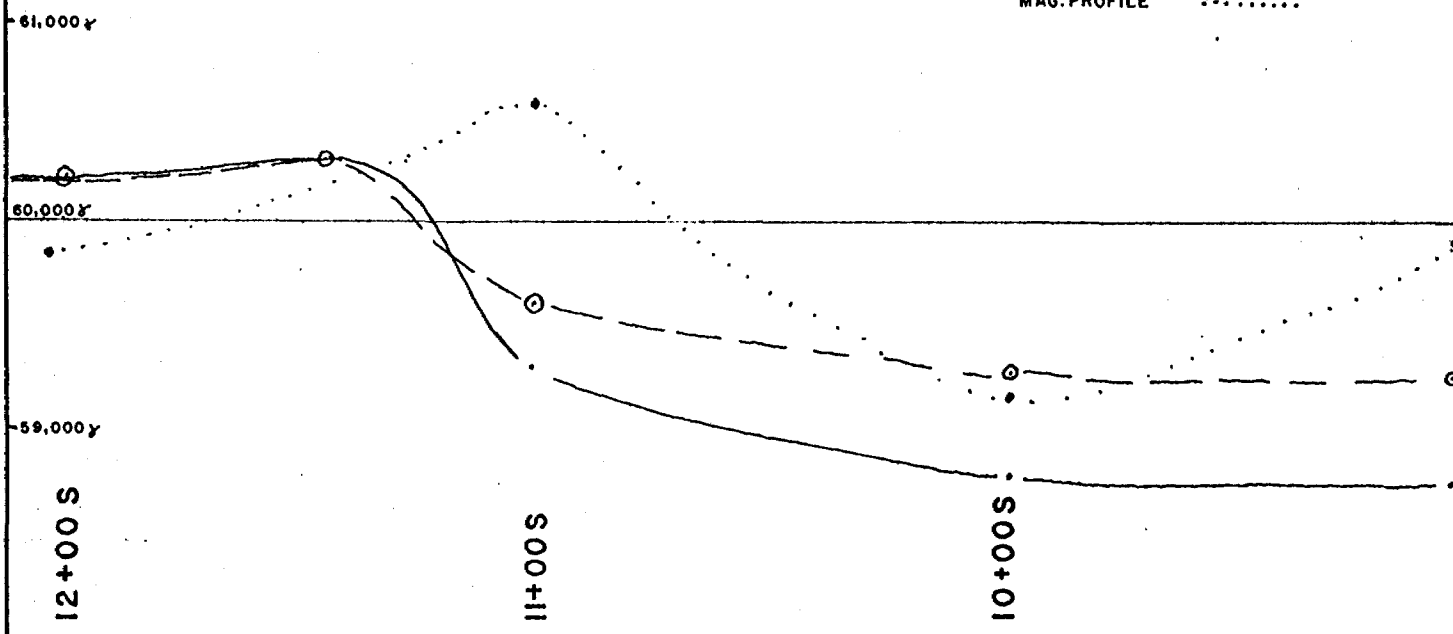
Claim
T Brg.
Collar Dip
Elev.
Length
Hole No. A-80-3 Sheet 5 of 6

From	To	Description	Sample No	Sample	Length	Analysis
86.65	91.83	GREEN MAFIC TUFF				Au (ppb)
		Same as 57.8 - 86.1				
91.83		END OF HOLE				

James L. Oliver
Geologist.

H L E M

IN-PHASE
 OUT-OF-PHASE
 PROFILE SCALE 1" = 20%
 MAG. PROFILE



LEGEND

- EXOTIC BRECCIA
- MAFIC INTRUSION
- BANDED CHERT
- CARBONACEOUS SEDIMENT
- 3A FELSIC TUFF
- 2A INTERMEDIATE TUFF
- 1A MAFIC TUFF

- SULPHIDES
- 1 - 3%
 - 3 - 10%
 - >10%



Drawn by: J.S.O		Traced by: K.B	
Revised by	Date	Revised by	Date

ASP PROPERTY
 D.D.H ASP-80-3
 L80+00W, 11+50S

ONTARIO

NTS 41-0-9

Scale: 1:500

Date: May 1980

Plate: