



31M13SE0014 15 PENSE

010

PENSE TOWNSHIP REPORT NO. 15

This file contains work performed by G. J. Gereghy and
L. A. Waddell on claim:

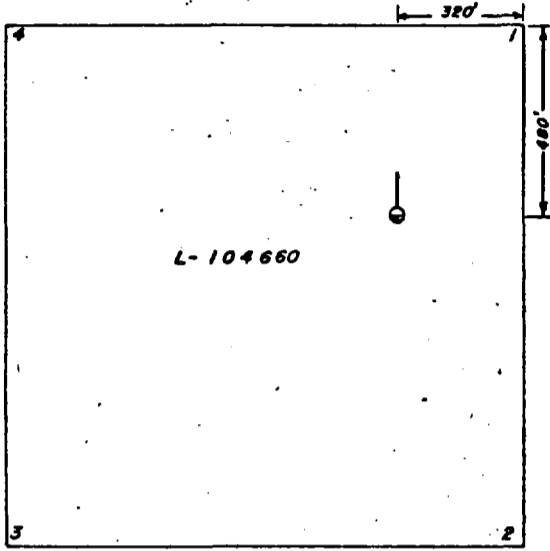
L.104660	Hole # 5	Apr/69
	10	Apr/70
	11	Apr/70
	12	Apr/70

87/70

63/70

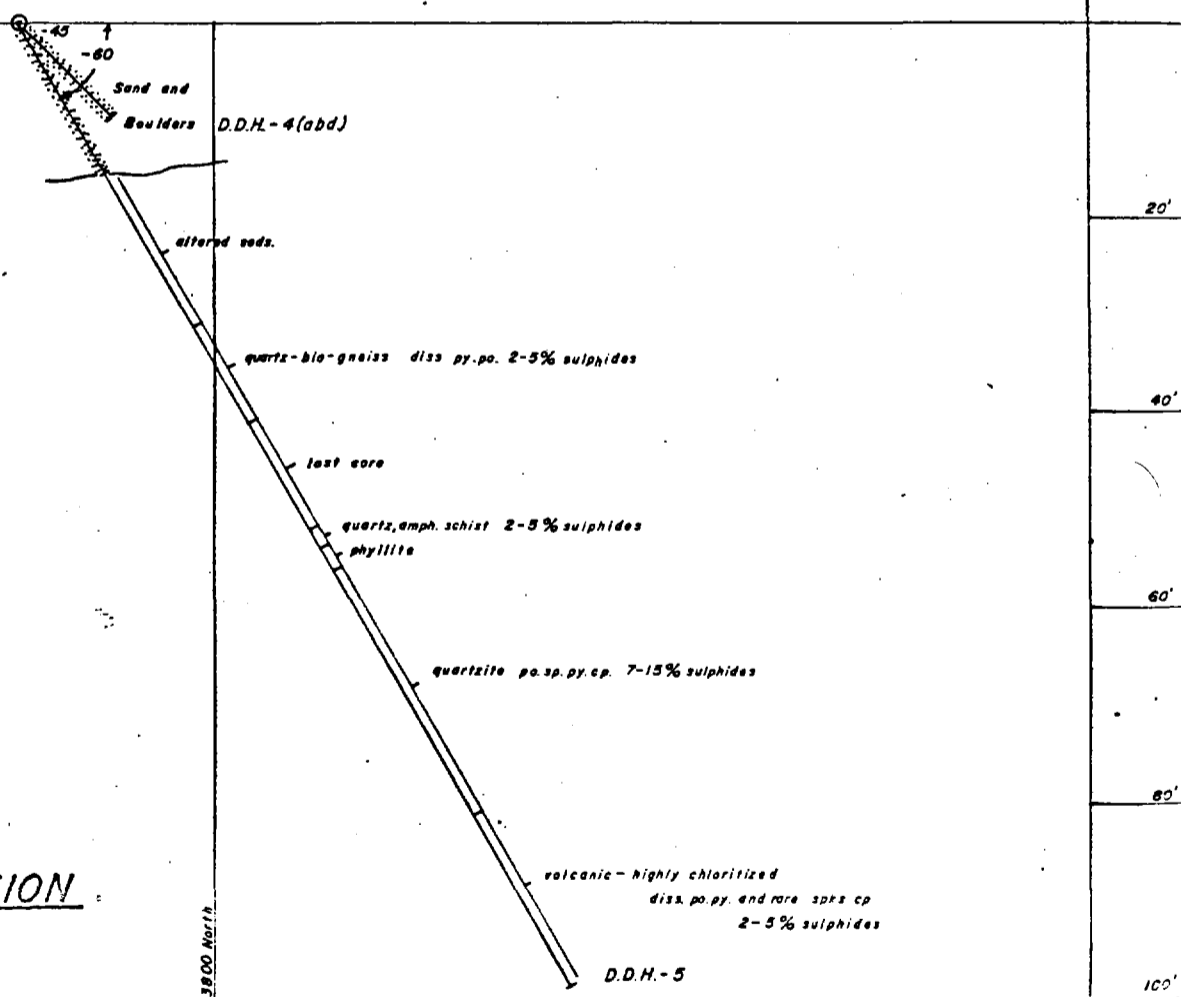
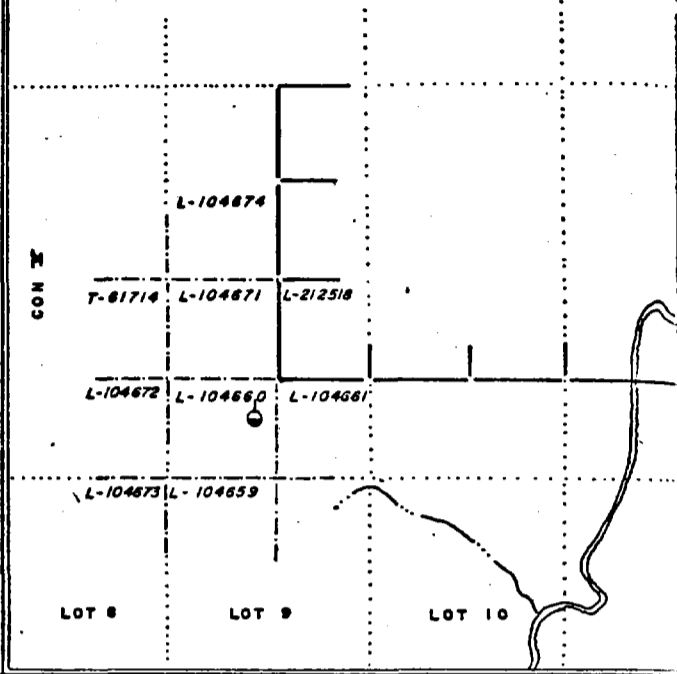
Location of D.D.H. - 4 and 5 on Claim L-104660

SCALE 1" = 500'



PENSE TWP.

SCALE 2" = 1 MILE



24E SECTION

SCALE 1" = 20'

63170 Pense Sup
B. J. Sneyd

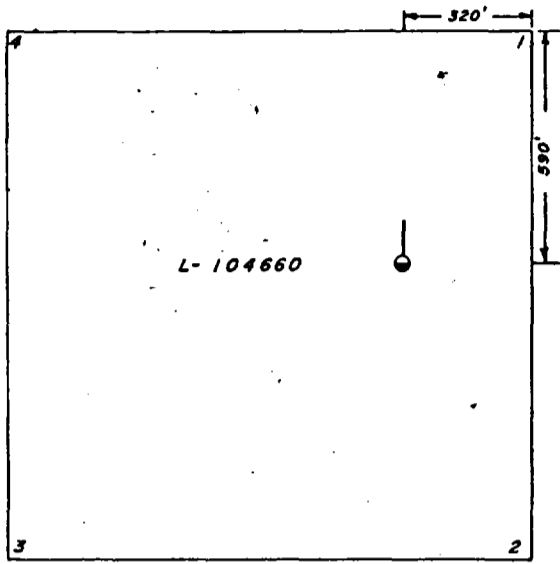
Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 5 Length 113ft.
 Claim No. L 104660 Co-ords. 24E -37+80N Dip 60o Bearing due north Elev. Collar _____
 Drilled By G. J. Gereghty Date Started March 28, 1969 Date Completed April 14, 1969
 & L.A. Waddell Date Logged April 16, 1969
~~XXXXXX~~
 Logged by: G. J. Gereghty. Size of Core: EXT.

From	to	Description	Sam. No.	Length.	Assay
0	7'	CLAY- brown.			
7	18'	GRAVEL- and sand - boulders up to 15" diameter.			
18'	26.4'	Sediment - fine grained medium grey with bedding 60o to core.			
26.4	36.'	Sediment - as previous entry. Considerable hairline fracturing, pyrite filled, mainly along bedding planes, however, an occasional thin fracture occurs nearly perpendicular to bedding. Minor disseminated pyrite and pyrrhotite throughout 1-3%.			
36.	47.4'	GNEISS - quartz-biotite medium grained light to dark grey weakly mineralized with disseminated pyrite and pyrrhotite 2-5%. Many narrow 1/8" to 3/8" quartz veins cut the gneiss at 40o -80o to core.			
47.4	60'	LOST CORE- Return water from drill hole was black indicative of sulphide mineralization or graphite. No sludge was caught for assay.			P
60	62.2'	SCHIST- quartz-amphibole fine grained dark grey weakly mineralized with plates and seams of pyrite parallel with schistosity. Sulphide content est. 2-5%.	59	60 ft to 65 ft	Au. Trace
62.2	64.8'	Phyllite - fine grained dark grey with pyrite on cleavage planes.			
64.8	93.7'	QUARTZITE- fine grained light grey to greyish brown cut by numerous indistinct quartz stringers 1/4" to 1 1/2" wide at 45o-65o to core. Occasional small 1/16"-3/16" vesicular bleb of calcite or chlorite in upper 10 feet of zone changing to	40	64.8 ft to 93.7	Representative Zn. 1.73 Cu. 0.18 Au. 0.01 Ag. 0.07
			53	65 ft to 70 ft	Zn. 0.95 Cu. 0.07 Au. 0.02 Ag. Trace
					.2

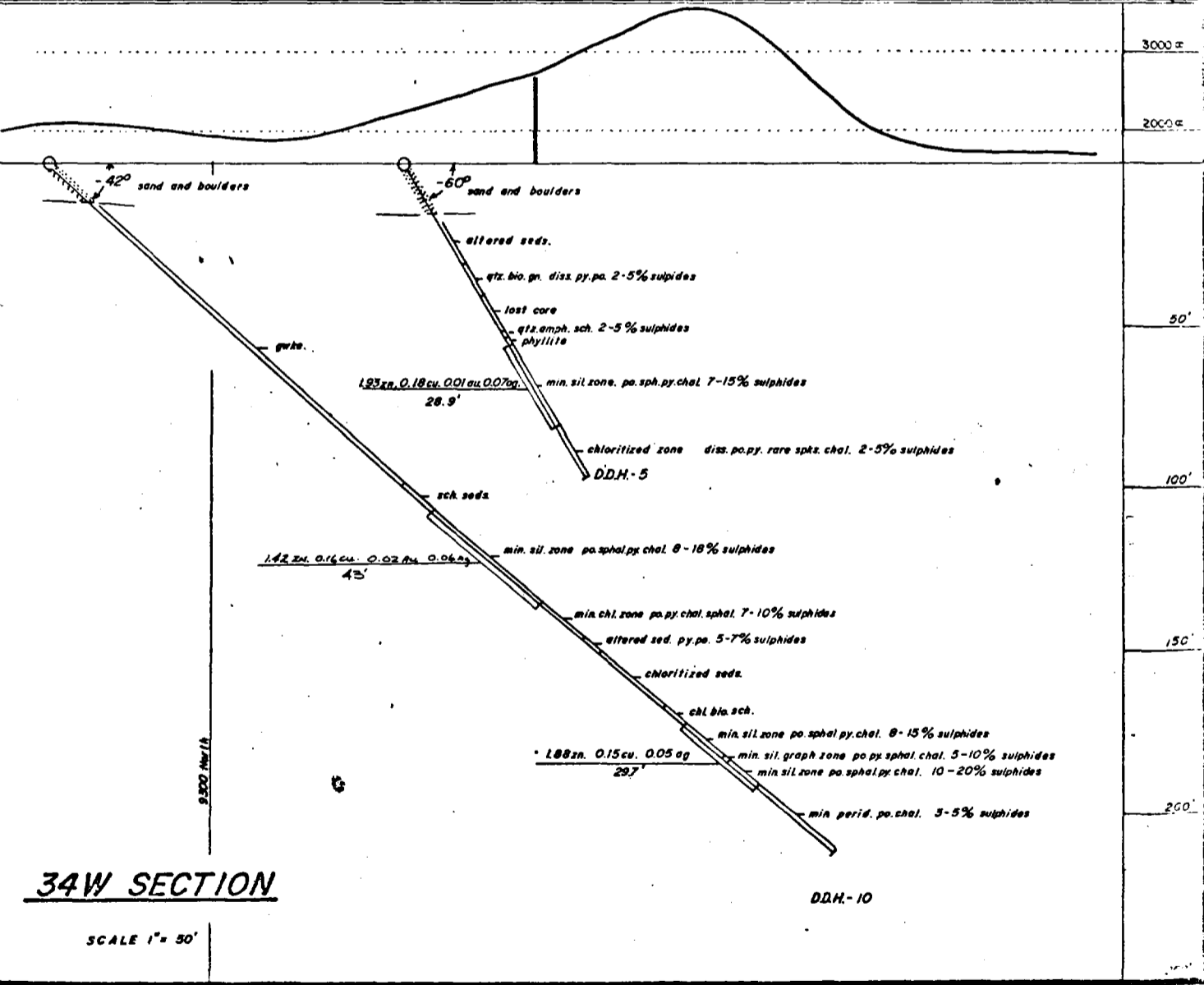
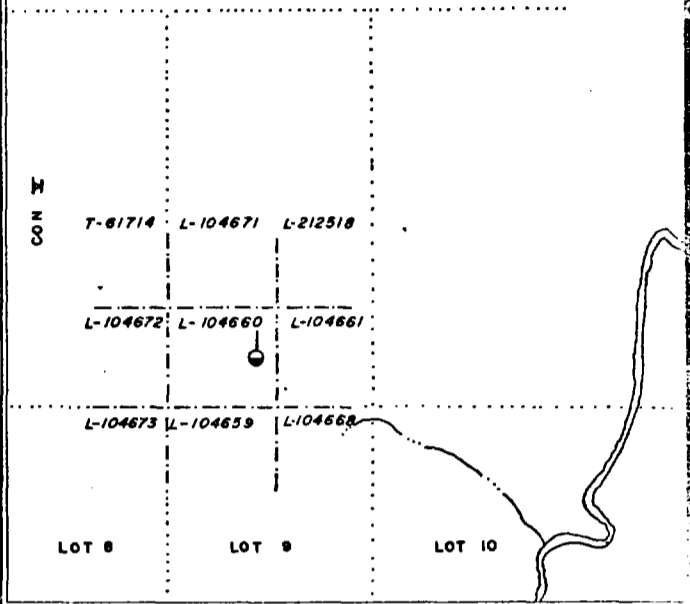
Location of D.D.H. - 10 on L- 104660

SCALE 1" = 500'



PENSE TWP.

SCALE 2" = 1 MILE



87/70 Pense Exp
 L. A. Waddell

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 10 Length 326 ft.
 Claim No. L 104660 Co-ords. 34W -92+50N dip Dip -42 $\frac{1}{2}$ o Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started April 14/70 Date Completed April 17/70
 Logged By G.J. Gereghty Date Logged April 20/70

From	to	Description	Sam. No.	Length.	Assay
0	17	OVERBURDEN clay and gravel.			
0	21	CASING core was deliberately ground from 17' - 21' to seat casing.			
21	43.5	GREYWACKE grey to dark grey medium to coarse grained. Occasional 1/8" to 1/4" quartz stringer along 60o bedding planes from 21' to 38'. Numerous corrugated quartz stringers 1/8" to 5/8" from 38' to 43.5'. Pyrite occurs as plating in occasional thin hairlike fractures at 20o to 45o to core. Rare pyrrhotite and chalcopyrite in ^{blebs} generally in close proximity to quartz stringers. Core is weakly magnetic.			
43.5	45	QUARTZITE grey and medium grained cut by thin quartz stringers at 50o to 60o to core. Numerous very thin tension fractures spaced roughly 3/8" apart some of which are very weakly mineralized with pyrrhotite. Pyrite occurs as thin plating in fractures at 10o to 40o to core. Pyrrhotite with very rare chalcopyrite occurs in disseminations. Core is weakly magnetic.			
45	50	GREYWACKE as at 21-43.5 core shows two and three directions of fracturing. Oldest fractures are quartz filled. Latest fractures are quite thin, almost parallel the core, and contain pyrite plating.			
50	60	GREYWACKE grey to dark grey medium to coarse grained. Narrow fractures along 50o-55o bedding planes are filled with thin quartz stringers. Fractures nearly perpendicular to bedding are quartz-feldspar filled. Crushed zone at 58-59' Contains very fine stringers and blebs of sulphides pyrrhotite, pyrite, and rare chalcopyrite.		2	

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 10 Length 326 ft.
 Claim No. L 104660 Co-ords. 34W-92+50N Dip 42 $\frac{1}{2}$ Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started April 14/70 Date Completed April 17/70
 Logged By G.J. Geregthy Date Logged April 20/70

From	to	Description	Sam. No.	Length.	Assay
60	71'	GREYWACKE similar to entry from 50-60' but with minor pyrite mineralization along 50-55o bedding planes.			
71	105'	GREYWACKE similar to entry from 50-60'. Zones $\frac{1}{2}$ ' to 1' of many $\frac{1}{4}$ " - $\frac{3}{8}$ " much corrugated quartz-feldspar stringers. Occasional narrow brecciated zone. Pyrite occurs as plating along bedding planes, along slippage joints, and also in some of the latest fractures.			
105	108	GREYWACKE siliceous grey to dark grey bands, medium grained. Many $\frac{1}{4}$ " to $\frac{3}{8}$ " corrugated quartz stringers generally at 60o to core but some quartz filled cross fractures occur almost perpendicular to 60o bedding. Minor amounts of pyrrhotite in small blebs throughout and pyrite occurs along some fractures and along bedding planes. Core is weakly magnetic.			
108	149	GREYWACKE Siliceous grey to dark grey medium to coarse grained. Occasional $\frac{1}{8}$ " to $\frac{1}{4}$ " quartz stringer along bedding planes 60 to 65o to core and other similar quartz stringers at 45o to 75o some of which are corrugated. Pyrite plating occurs along recent thin fractures and also along bedding planes. Rare pyrrhotite occurs in blebs and tiny short stringers. Core is weakly magnetic.			
149	156	SEDIMENT altered and schistose varies from greyish green to dark grey. Bedding 70o to 75o to core with thin pyrite filled fractures along bedding planes and also in very thin hairlike fractures at all angles to core.			
156	161.5	SEDIMENT weakly mineralized schistose and dark grey. Pyrite blebs and plates along 70o -75o schistosity and also in disseminations throughout Pyrrhotite also occurs in rare disseminations making the core weakly magnetic.	64	73676	2-767.5R Au. Nil Ag. Nil
				.....3	

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 10 Length 326 ft.
 Claim No. L 104660 Co-ords. 34-92+50N Dip -42¹/₂° Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started Apr. 14/70 Date Completed Apr. 17/70
 Logged By G.J. Gereghty Date Logged April 20/70

From	To	Description	Sam. No	Length	Assay
56	161.5	GREYWACKE Estimated sulphide content 3-5%.	65	161.5 to 163 ft.	Zn 0.77 Cu 0.10 Au 0.02 Ag Tr.
61.5	195.5	MINERALIZED SILICEOUS ZONE - Fine grained light grey to greyish brown cut by quartz stringers 1/4" to 2" wide at 700 to core; these stringers have indistinct borders. Occasional 1/16" to 3/16" bleb of calcite and larger size irregular shaped masses of chlorite. Mineralization occurs in elongated blebs 1/16" to 3/4", in tiny stringers and in narrow sulphide filled fractures consisting of pyrrhotite, reddish brown sphalerite, pyrite and rare chalcopyrite with a combined sulphide content estimated at 8-18%.	73 74 75 76	163 to 168 ft. 168 to 173 ft. 173 to 178 ft. 178 to 183 ft.	Zn 1.02 Cu 0.22 Au 0.01 Ag 0.05 Ni 0.04 Zn 1.74 Cu 0.16 Au 0.015 Ag 0.07 Zn 0.72 Cu 0.16 Au 0.015 Ag 0.07 Zn 1.12 Cu 0.16 Au 0.03 Ag 0.09
195.5	196	CHLORITIC ZONE weakly mineralized medium to coarse grained grey to greenish grey. Contains disseminated pyrrhotite, pyrite, and rare specs of chalcopyrite. Pyrite also occurs in fractures at 450 to core. Sulphide content estimated 2-5%. Core is magnetic.	77 78 79	183 to 189 ft. 188 to 193 ft. 193 to 198 ft.	Zn 1.33 Cu 0.16 Au 0.07 Ag 0.09 Zn 2.04 Cu 0.18 Au 0.02 Ag 0.10 Zn 2.15 Cu 0.14 Au 0.025 Ag 0.05
196	204	MINERALIZED SILICEOUS ZONE identical to 161.5 to 195.5. Contacts are sharp at 650 and 450 to core.	80	198 to 204.5 ft.	Zn 1.87 Cu 0.13 Au 0.03 Ag 0.05 Sulphur 5.66
204	204.6	CHLORITIZED ZONE similar to entry from 195.5 to 196			
204.6	205.5	MINERALIZED SILICEOUS ZONE identical to 161.5-195.5 contacts are sharp at 600-650 to core.	2501	204.5 to 209 ft.	Cu 0.06 Ni 0.08 Au Tr. Ag Tr.
205.5	223.2	MINERALIZED CHLORITIC ZONE grey to greenish grey medium to coarse grained contacts are at 600 to 650. Thin fractures occur at all angles to core and some of these are quartz-calcite filled with sporadic pyrite, pyrrhotite and rare chalcopyrite mineralization. Pyrrhotite, pyrite, rare chalcopyrite and sphalerite occur in occasional blebs and disseminations throughout with an estimated sulphide content estimated 7-10%.	2502	209 to 220.8 ft.	Cu 0.05 Ni 0.10 Au Tr. Ag Tr.
223.2	229.8	SEDIMENT altered, dark grey to black, fine grained, containing several narrow greyish green chloritic stringers. Many thin fractures at all angles to core some of which are			.....4

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 10 Length 326 ft.

Claim No. L 104660 Co-ords. 34-92+50N Dip -42 $\frac{1}{2}$ Bearing due north Elev. Collar _____

Drilled By Barron Diamond Dr. Co. Date Started April 14/70 Date Completed April 17/70

Logged By G.J. Cereghy Date Logged April 20/70

From	To	Description	Sam. No.	Length.	Assay
23.2	229.8	SEDIMENT continued well healed and indistinct. Recent fractures vary from 20o to 65o to core, 1/8" to 5/8" in thickness, filled with quartz-calcite. Two of these fractures contain breccia fragments of country rock. Most fractures contain some pyrite and pyrrhotite and these sulphides also occur in disseminations throughout. Sulphide content is estimated at 5-7% and the core is magnetic.			
229.8	256	SEDIMENT CHLORITIZED light grey green to dark green fine to medium grained. Many well healed fractures at all angles to core. Several dark grey siliceous stringers 50-70o to core varying from 1/2" to 4" in thickness, thinner quartz stringers are mostly quite corrugated. Quartz-calcite stringers 1/8" to 1/2" occur from 20o-70o to core. Most fractures contain sporadic sulphide mineralization consisting of pyrite, pyrrhotite and rare specks of chalcopryrite. Bands of this chloritic rock up to one foot thick contain much bronze mica.			
256	264.5	SCHIST chlorite-biotite interbanded greyish green and dark brown Schistosity 55o -65o to core. Sparse pyrrhotite mineralization in small blebs and on occasional speck of chalcopryrite throughout this zone. Core is magnetic.	2503	259.5 to 264.5 ft.	Cu. 0.04 Ni. 0.10 Au. Tr. Ag. Tr.
			COMPOS 2501 2502 2503	ITE OF SAMPLES PLATINUM GROUP SEMI-QUANTITATIVE Trace only.	
264.5	280	MINERALIZED SILICEOUS ZONE light greyish brown fine grained with several interbands up to one foot wide of greyish green to dark green chloritic rock which is also mineralized. Mineralization occurs in disseminations, fine stringers and elongated blebs 1/8" to 1/2" consisting of pyrrhotite, reddish brown sphalerite, pyrite, chalcopryrite. Crystals of black sphalerite occur in a thin calcite stringer at 274.4.	2504 2505 2506	264.5 to 270 ft. 270 to 275 ft. 275 to 280 ft.	Zn. 2.20 Cu. 0.15 Au. 0.01 Ag. 0.05 Zn. 0.87 Cu. 0.12 Au. Tr. Ag. Tr. Zn. 2.25 Cu. 0.21 Au. Tr. Ag. 0.09
				.....	5

Drill Hole Log

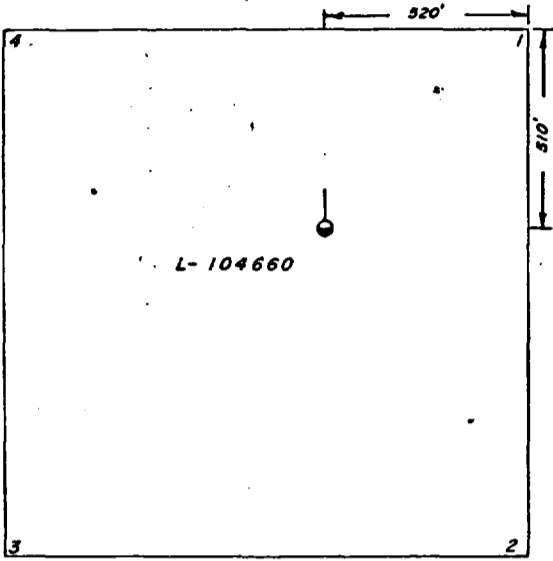
Property Anomaly #10 at Pense Twp. Hole Number 10 Length 326 ft.
 Claim No. L 104660 Co-ords. 34-92+50N Dip -42 $\frac{1}{2}$ ° Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started Apr. 14/70 Date Completed April 17/70
 Logged By G.J. Gerehty Date Logged April 20/70

From	to	Description	Sam. No	Length	Assay
264.5	280	MINERALIZED SILICEOUS ZONE continued: Estimated sulphide content of this entry is from 8-15%.			
280	282.3	GRAPHITIC MINERALIZED SILICEOUS BAND dark grey to black and fine grained. Several mineralized 1/8" quartz-calcite stringers containing chalcopyrite, pyrrhotite, and rare sphalerite. This graphitic zone is mineralized with very fine stringers, and blebs up to 3/8", also fine disseminations of pyrrhotite, pyrite, sphalerite and chalcopyrite with an estimated sulphide content from 5-10%. Core is magnetic.	2507	280 to 285 ft.	Zn 1.38 Cu 0.21 Au. Tr. Ag. 0.07
282.3	283.5	MINERALIZED CHLORITIC BAND identical to zone from 205.5 to 223.2.			
283.5	294.2	MINERALIZED SILICEOUS ZONE light greyish brown fine to coarse grained. Indistinct quartz stringers cut the core at 60-750. Mineralization occurs as 1/8" to 3/4" elongated blebs of sulphide, in thin stringers, and as disseminations consisting of pyrrhotite, sphalerite, pyrite and chalcopyrite. Estimated sulphide content 10-20%.	2508 2509	285 to 290 ft.	Zn 2.66 Cu 0.16 Au 0.005 Ag 0.07 290 to 294.2 ft. Zn 1.94 Cu 0.08 Au. Tr. Ag. Tr. Sulphur 6.33
294.2	326	MINERALIZED PERIDOTITE altered talcy greyish green to greenish black and spotted. Slickensides and schistosity at 700 - 800 to core becoming less prominent about 310 feet. The peculiar spotted appearance of this rock is due to greyish-white circular blebs of calcite and quartz 1/8"-1", which are partly mineralized with pyrrhotite, pyrite, and rare chalcopyrite. Pyrrhotite and specks of chalcopyrite also occur in thin elongated blebs 1/16" - 3/16" thick and as platings along schistosity. Sulphide content estimated 3-5%.	2510 2511	294.2 to 306 ft.	Zn N.L. Cu 0.06 Au. Tr. Ag. Tr. Ni 0.12 306 to 314 ft. Zn N.L. Cu 0.03 Au. Tr. Ag. Tr. Ni 0.08
326		FOOT OF HOLE DIP TEST AT 316 ft - 40° CASING LEFT IN			

G.J. Gerehty

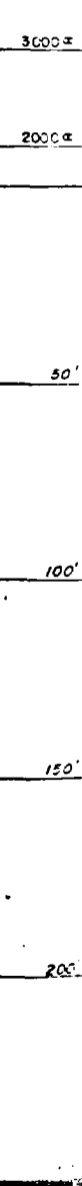
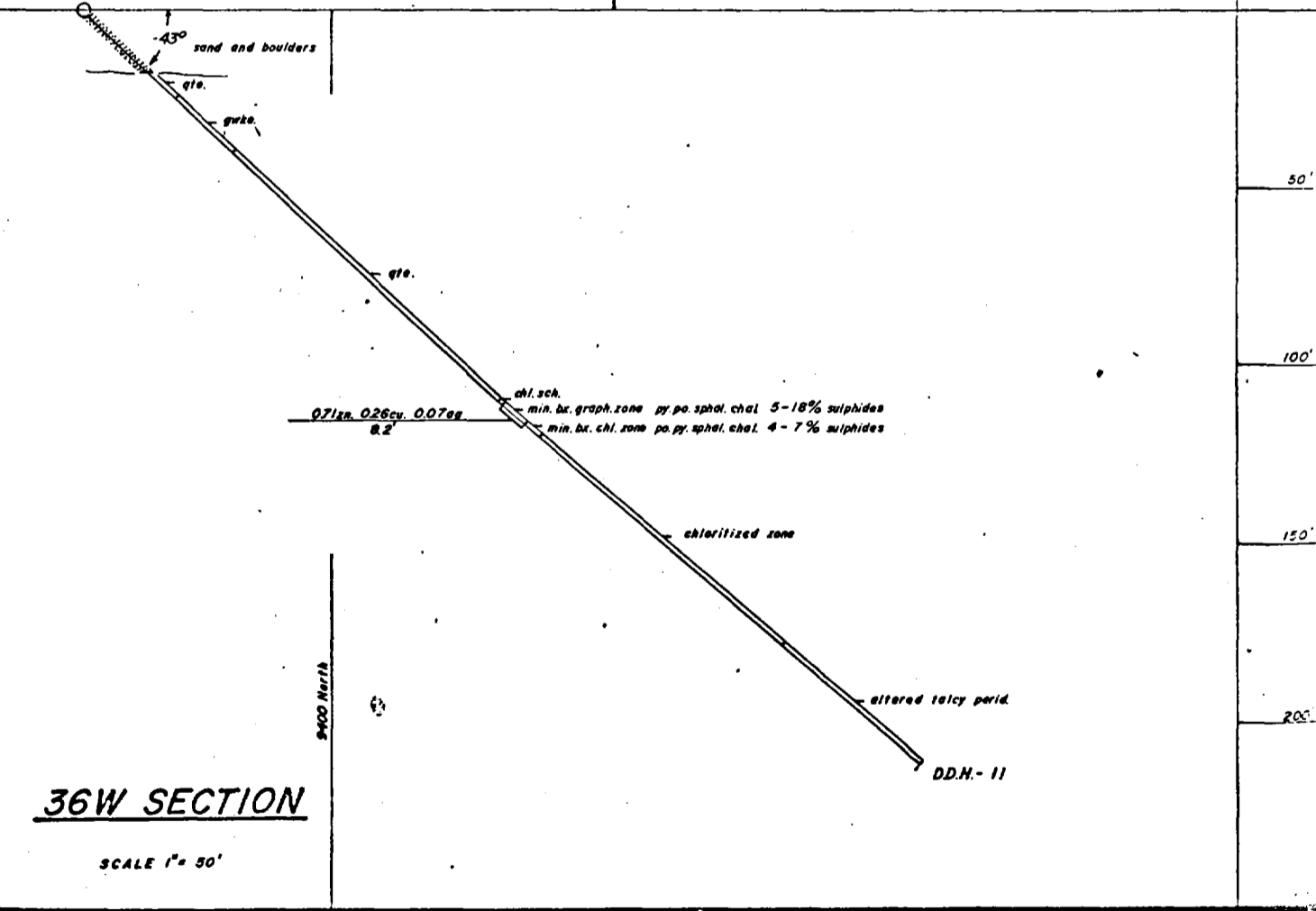
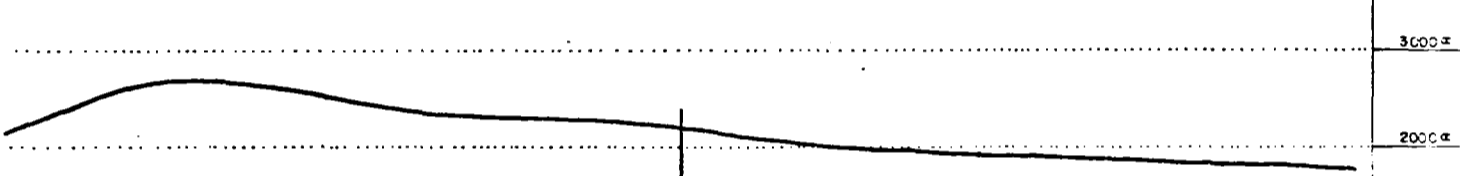
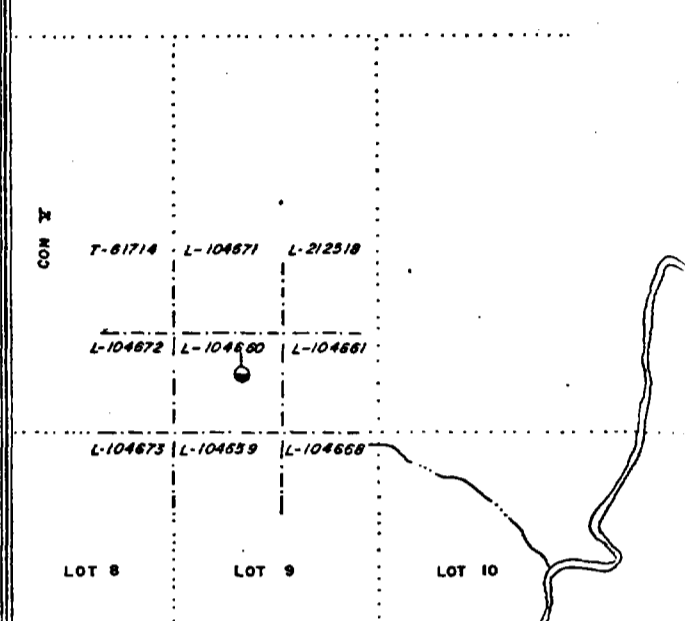
Location of D.D.H.-11 on Claim L-104660

SCALE 1" = 500'



PENSE TWP.

SCALE 2" = 1 MILE



Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 11 Length 326.6 ft.
 Claim No. L 104660 Co-ords. 36W 93+30N Dip-43 $\frac{1}{2}$ Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr.Co. Date Started April 18/70 Date Completed April 20.70
 Logged By G.J. Cereghy Date Logged April 29/70

From	To	Description	Sam. No.	Length	Assay
0	21	OVERBURDEN clay and gravel			
0	25	CASING Core was deliberately ground from 21'-25' to seat casing.			
25	36.2	QUARTZITE grey to dark grey medium grained fractured along bedding planes 60-650 to core. Occasional 3/16" to 3/8" quartz-calcite stringer generally at 500 to core, most of these are weakly mineralized with pyrite and pyrrhotite. Narrow 2" and 4" quartz-feldspar stringers at 32.6' and 35.4 these cut the core at 800 and are very weakly mineralized with pyrite and pyrrhotite. Pyrite occurs in thin hairlike stringers and in fine plates along bedding planes. Pyrrhotite occurs disseminated throughout zones 1'-2' wide making the core weakly magnetic in these areas.			
36.2	58.4	GREWACKE greyish brown to dark grey, medium grained, fractured bedding planes at 500-600 to core. Numerous quartz-calcite and quartz-feldspar stringers 1/16" to 2", generally along bedding planes and some of these are weakly mineralized with pyrite. Thin pyrite plating occurs along some bedding planes and in the most recent fractures.			
58.4	149	QUARTZITE very similar to zone from 25-36.2 except for narrow bands 1' -2' wide which are more of a quartzitic greywacke.			
149	162.2	QUARTZITE grey to dark grey, medium to coarse grained, fractured along bedding planes at 500 to core. Many fine fractures are partially pyrite filled. Occasional 1/8"-3/16" quartz-calcite stringer at 500 to core. Zone of corrugated quartz-feldspar stringers between 149'-150' these contain blebs and fine hairlike stringers of pyrite and pyrrhotite. Rare hairlike sulphide filled fracture at 200 to core, these have allowed pyrite mineralization to penetrate the adjacent bedding planes for short distances. Core is weakly magnetic.			
				.....	2

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 11 Length 326.6 ft.
 Claim No. L 104660 Co-ords. 36W 93+30 N Dip-43 $\frac{1}{2}$ $^{\circ}$ Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started April 18/70 Date Completed April 20/70
 Logged By G.J. Gerehty Date Logged April 29/70

From	to	Description	Sam. No.	Length.	Assay
162.2	163.5	SCHIST CHLORITIC greyish green weakly mineralized with stringers of pyrite and rare blebs of pyrrhotite and chalcopryrite. Core is very weakly magnetic.	2512	158.4 to Au. 0.005	163.5 ft.
163.5	171.7	MINERALIZED GRAPHITIC ZONE brecciated, black. White and grey quartz-calcite stringers 1/16" to 4" wide generally at 450 to 600 to core. Breccia fragments are black graphitic material and greenish white quartz-calcite which probably originally occurred as stringers. Sulphides are pyrite, pyrrhotite, sphalerite, and rare chalcopryrite occurring in nodules up to 3/4" in diameter, as stringers, and in disseminations. Estimated sulphide content 5-18%. Core is quite magnetic.	2513	163.5 to Zn. 0.71 Au. Tr. Ag. 0.07	171.7 ft.
171.7	177.7	MINERALIZED CHLORITIC ZONE brecciated and banded, greyish green and dark grey, coarse grained. Dark bands are hard and siliceous varying from 1/4" to 3" thick at 500 to core. Several 1/8" quartz-calcite stringers occur at 600 to core. Mineralization occurs in blebs, disseminations, and in fine plates consisting of pyrrhotite, pyrite, and rare traces of chalcopryrite and sphalerite with an estimated sulphide content 4-7%. Core is magnetic.	2514	171.7 to Au. Tr. Ag. Tr.	176.7 ft.
177.7	192.8	CHLORITIC ZONE banded and quite similar to entry from 171.7-177.7 but contains very sparse sulphide mineralization. Core is weakly magnetic.			
192.8	259	CHLORITIC ZONE green with thin brown bands of biotite. Narrow 6" breccia zone at 200' containing angular fragments up to 1 1/2". Much thin fracturing at all angles to core and most of these are filled with quartz -calcite.		....	3

Drill Hole Log

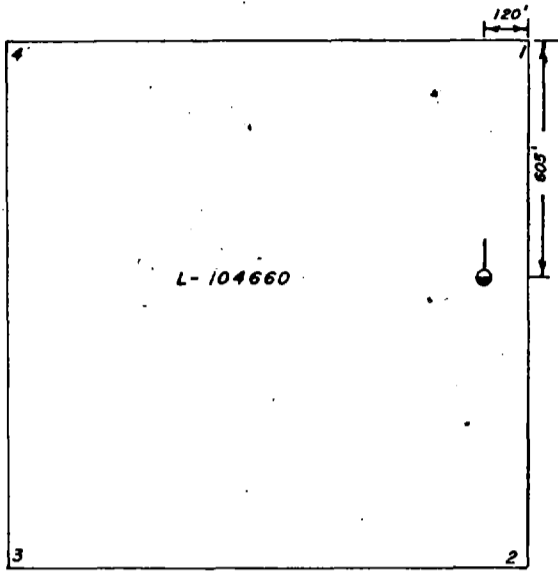
Property Anomaly #10 at Pense Twp. Hole Number 11 Length 326.6 ft.
 Claim No. L 104660 Co-ords. 36 W 93+30N Dip $43\frac{1}{2}^{\circ}$ Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started April 18/70 Date Completed April 20/70
 Logged By G.J. Geregthy Date Logged April 29/70

From	To	Description	Sam. No.	Length.	Assay
22.8	259	CHLORITIC ZONE (Continued) Core is very weakly magnetic.			
59	268.6	CHLORITIC ZONE green to dark brown. Biotitic bands from $\frac{1}{2}$ " to four inches wide. Several $\frac{1}{8}$ " to $\frac{1}{2}$ " wide stringers of quartz-calcite and also quartz-feldspar at 450-750 to core. Sulphide mineralization occurs in several places within this zone generally in, or near, $\frac{1}{8}$ "- $\frac{3}{16}$ " quartz-calcite stringers which almost parallel the core. Sulphides consist of pyrrhotite, pyrite and rare chalcopyrite. Thin bands of talcy peridotite intrude the chloritic rock at 264.4 and 267.7- Contacts are fairly sharp at 500 to core. Core is magnetic.	2515	259.5 ft. Au. Tr.	263 ft. Ag. Tr.
28.6	326.6	PERIDOTITE altered talcy greyish green to greenish black. Upper contact is fairly sharp at 550 to core. This rock has a peculiar spotted appearance due to numerous $\frac{1}{8}$ "- $\frac{1}{4}$ " circular blebs of cream coloured calcite and quartz. Many irregular disjointed corrugated stringers of quartz-calcite at 450-650 to core. Several quartz-calcite-feldspar stringers $\frac{1}{2}$ "-5" wide at 500-700 to core, these appear to be brecciated but many of the light coloured fragments are more rounded than angular. Dark brown bands of biotite rich rock occur from 301.8-303.4 Very minor disseminated sulphides, pyrrhotite and pyrite, especially in first five feet of this entry, rare disseminations of sulphide throughout. Core is only very weakly magnetic in places.			
326.6		FOOT OF HOLE. DIP TEST AT 300 FT. $-40\frac{1}{2}^{\circ}$. CASING LEFT IN.			

A.S. Geregthy

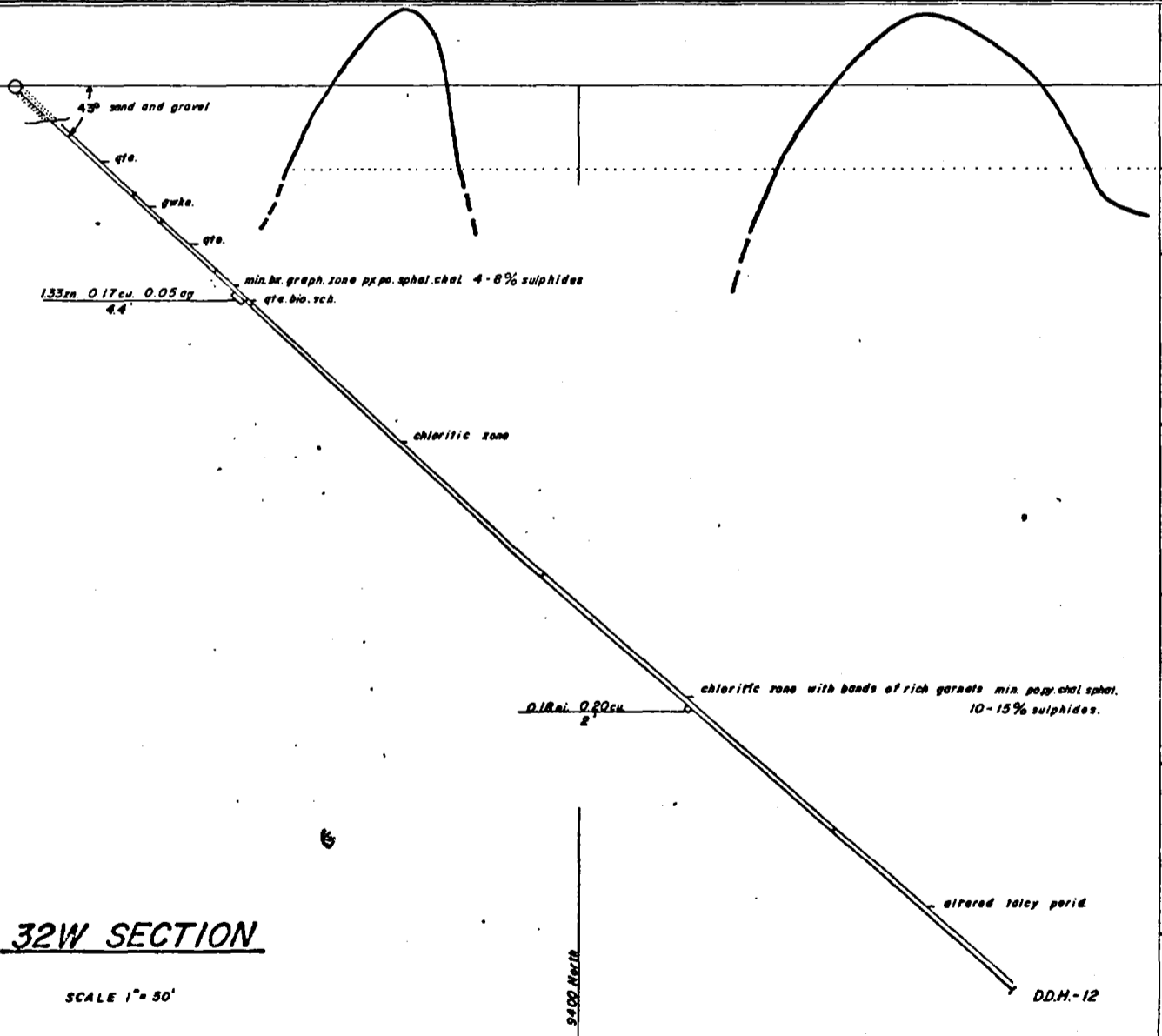
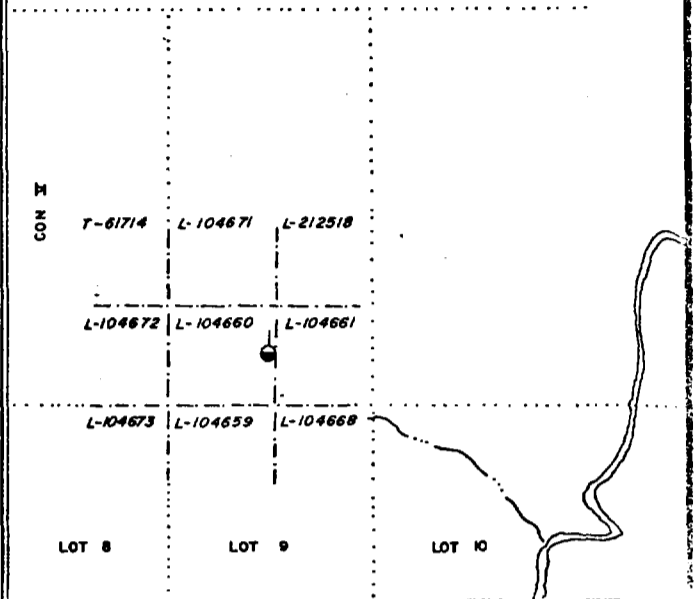
Location of D.D.H.-12 on Claim L-104660

SCALE 1" = 500'



PENSE TWP.

SCALE 2" = 1 MILE



32W SECTION

SCALE 1" = 50'

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 12 Length 394.4 ft.
 Claim No. L 104660 Co-ords. 32W 92+35 N Dip -41o Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started Apr. 21/70 Date Completed Apr. 23/70
 Logged By Gerald J. Garehty Date Logged Apr. 30/70

From	to	Description	Sam. No.	Length.	Assay
0	11	OVERBURDEN clay and gravel			
0	15	CASING core was deliberately ground from 11'-15' to seat casing.			
15	48	QUARTZITE- GREYWACKE interbedded grey to greyish brown and medium grained. Bedding at 60o -70o to core with occasional 1/8"-5/16" quartz-feldspar stringer along bedding planes some of which contain minor blebs of pyrrhotite, pyrite, and chalcopyrite. Several corrugated 3/8"-5/8" quartz stringers, 30o to core at 27'. A number of 1/16"-3/16" pink feldspar stringers at 55o to core in quartzite at 40-41.5'. Pyrite occurs as thin plating along some recent hairlike fractures.			
48	59	GREYWACKE banded grey to dark brown medium to coarse grained. Many elongated quartz inclusions and 1/4"-1/2" corrugated quartz stringers generally along 70o -80o bedding planes. Pyrite occurs in hairlike fractures and as plating along bedding planes. Occasional bleb of pyrrhotite throughout, almost always in close proximity to quartz inclusions or stringers. Core is weakly magnetic in places.			
59	80.3	QUARTZITE grey to dark grey medium grained. Bedding at 60o to core. Many fine fractures at all angles to core some of which are pyrite filled others contain quartz-calcite. Core becomes more mineralized in the last six feet of entry but is non magnetic.			
80.3	93	MINERALIZED GRAPHITIC ZONE partly brecciated dark grey to black. In upper half of zone the core has a spotted appearance due to circular 1/8" blebs of pyrite, 1/4"-3/8" elongated blebs of pyrite, pyrrhotite, sphalerite and chalcopyrite, and elongated fragments of calcite and chloritic rock most of which are similarly mineralized.	2516	80.3 to 88.6 ft.	Zn Tr. Cu. 0.13 Au Tr. Ag Tr.
			2517	88.6 to 93 ft.	Zn 1.33 Cu. 0.17 Au Tr. Ag. 0.05
				.....2	

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 12 Length 304.4 ft.
 Claim No. L 104660 Co-ords. 32W 92+35N Dip 41o Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started April 21/70 Date Completed April 23/70
 Logged By G. J. Cereghy Date Logged April 30/70

From	to	Description	Sam. No.	Length	Assay
80.3	93	MINERALIZED GRAPHITIC ZONE (continued) The lower half of this entry has a more banded appearance due to many thin mineralized quartz-calcite stringers at 70o to core. Sulphides also occur in blebs as in upper part of zone consisting of pyrite, pyrrhotite and chalcopyrite with an estimated sulphide content of 4-8%. Band of dark brown biotite schist at 89-89.8 containing disseminated pyrrhotite, schistosity 65o to core.			
93	95	SCHIST QUARTZ BIOTITE dark brown with occasional thin quartz-calcite stringer along 70o schistosity. Pyrrhotite occurs as blebs and plates along parting planes. Core is magnetic.			
95	211.8	CHLORITIC ZONE greyish green to dark olive green medium to coarse grained cut by numerous irregular corrugated 1/8"-3/4" quartz, quartz-calcite, and occasional quartz-feldspar stringers at all angles to core. Beginning at 176' seams of brown biotite become quite apparent. Zone of mineralized stringers and disseminated sulphides in a sort of chloritized amphibolite band from 130-133'. Graphitic band at 183-183.5 containing disseminated pyrrhotite and pyrite. Core is weakly magnetic in parts.	2518	130 to 133 ft. Ni. 0.11 Au. Tr.	
211.8	325.5	CHLORITIC ZONE much the same as zone from 95-211.8 but with 2'-6' bands of chloritized amphibolite rich rock containing numerous patches of fine pink to light red garnets and disseminated sulphides namely pyrrhotite, pyrite, and chalcopyrite. Pyrrhotite, pyrite, chalcopyrite and rare sphalerite occur as disseminations in blebs, and in fine stringers from 214.4 -224.2 intermixed with pink garnets. From 269-271 is a second mineralized zone also associated with tiny pink garnets but this zone is a dark grey colour believed	2519 2520	214.4 to 224.2 ft. Ni. 0.12 Au. Tr. 269 to 271 ft. Ni. 0.18 Au. Tr.	 Cu. 0.06 Cu. 0.20
				....3	

Drill Hole Log

Property Anomaly #10 at Pense Twp. Hole Number 12 Length 394.4 ft.
 Claim No. L 104660 Co-ords. 32W 92+35N Dip -41o Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Dr. Co. Date Started April 21/70 Date Completed April 23/70
 Logged By G.J. Gereghty Date Logged April 30/70

From	to	Description	Sam. No.	Length	Assay
211.8	325.5	CHLORITIC ZONE (continued) caused by small black breccia fragments which look like siliceous graphitic rock. Sulphides contained are pyrrhotite, pyrite, chalcopyrite, and rare sphalerite with an estimated sulphide content 10-15%. Mineralized area from 309-310.5 similar to zone from 269-271 but with considerably more sphalerite. All above mineralized areas are magnetic.			
25.5	394.4	PERIDOTITE altered talcy light greyish green to dark grey and dark olive green. Upper contact fairly sharp at 650 to core. This core has a spotted appearance because of numerous 1/4" - 3/4" blebs of cream coloured calcite and quartz as well as occasional irregular disjointed 1/8"-3/8" stringers of quartz-calcite at 600-700 to core. This peridotite contains fine elongated blebs of pyrrhotite, pyrite, and traces of chalcopyrite very weakly disseminated throughout. Core is for the most part non magnetic.			
394.4		FOOT OF HOLE DIP TEST AT 380 ft. 41o CASING LEFT IN.			
		<i>G.J. Gereghty</i>			