52N04SW0156 21 FAIRLIE TWP

010

Diamond Drilling

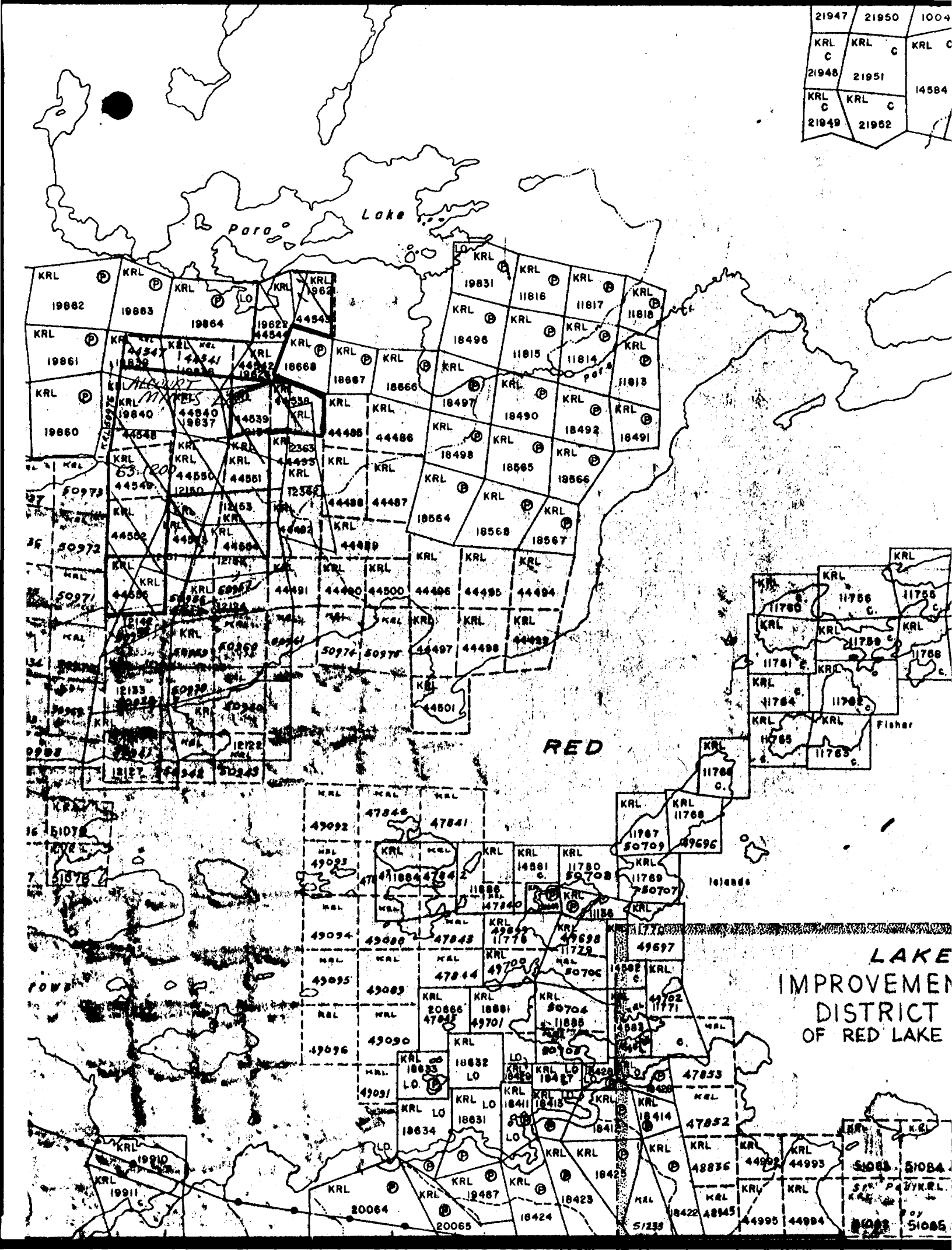
Township OF FAIRLIE

Report Nº: 21

Work performed by: C. J. CRYDERMAN

Claim Nº	Hole Nº	Footage	Date	Note
KRL 44538	AL-1	134'	Sept/60	
	AL-2	221'	Sept/60	
	AL-6	419.5'	Sept/60	
	AL-7	660'	Oct/60	
KRL 44539	AL-8	153'	Oct/60	
	AL-8	204'	July/61	
	AL-14	164.7'	July/61	
	AL-19	230'	Sept/61	
	AL-20	198.5'	Oct/61	
	AL-21	255'	Oct/61	
KRL 44538 (44539)	AL-3	150'	Sept/60	
	AL-4	261'	Sept/60	
	AL-5	171'	Sept/60	
	AL-9	186'	June/61	
	AL-10	248.5'	June/61	
	AL-11	201.5'	June/61	
KRL 44551	AL-13	201'	July/61	
	AL-15	312'	July/61	
	AL-17	298'	Sept/61	
	AL-22	247.7'	Oct/61	
	AL-23	155'	Oct/61	
KRL 44551 (44538)	AL-16	234'	Sept/61	
	AL-18	301'	Sept/61	
KRL 44551 (44538) (44539)	AL-12	636'	July/61	

Notes:


Lake
RED
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IMPROVEMEN
DISTRICT
OF RED LAKE
Islands
Fisher

Hole No AL.1

Claim No KRL 44538 — Bear. N.60 E.
Latitude 415' North on Ref. Line No.1 — Dip -40 Deg.
Dep. 110' W. of Ref. Line No.1 — Depth 134.0'
Date Comp. Sept 16/60

Footage	Formation	Spl.No.	Width ft.	Oz.Au. ton	$ Value ton
0.0 -134.0	DIORITE- Coarse grained Granodiorite				
	39.0 ¼" Stgr. Qtz. Carb 30 deg. to core				
	60.6-61.9 Qtz.stgr.& irregular qtz. very minor pyrite	50	1.3	Nil	-
	63.1-63.2 Qtz. & minor pyrite				
	63.2-63.4 Diorite & minor pyrite				
	63.4-63.9 Qtz. & minor pyrite				
	63.9-64.6 Diorite & Qtz. Minor pyrite				
	64.6-65.4 Qtz.& Minor pyrite.	51	2.		
	63.0-65.5 Sample	51	2.5	Nil	-
	65.4-102.3 Granodiorite				
	102.3-103.8 Qtz.& Minor pyrite	52	1.5	.02	0.70
	114.5-116.5 Qtz.Stgrs. para. to core				
	121.5-122.2 3"qtz.stgr.30 deg. to core. Minor pyrite and carb.	53	0.7	.02	0.70
	End of hole 134.0 ft.				

Hole No. AL.2

Location of collar same as No. AL.1 — Bear.N.60deg.E
Dip. -60 deg.
Date Completed :Sept. 18/60 — Depth 221.0 ft.

Footage	Formation	Spl.No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 3.0	Overburden				
3.0 - 221.0	DIORITE-Coarse,massive granodiorite				
	159.8 1" Qtz. stgr.45 deg.to core				
	170.5 1" " " Fair pyrite & chalcopyrite wall rock well mineralized				
	170.0 - 171.0 Sample	54	1.0	.02	0.70
	179.6 - 187.6 Basic dike,fine grained some brecciation near upper contact				
	189.1 - 192.5 White qtz.vein with 3" inclusion of diorite,minor pyrite and chalco	55	3.4	.02	0.70
	195.0 - 196.0 Granitic section,very minor sulphides				
	203.2 - 204.2 White qtz. vein ,no sulphide mineralization visible	56	1.0	Nil	-
	End of hole 221.0 ft.				

RED LAKE MINING DIVISION
NOV 28 1960
RED LAKE, ONT.

Geo. Geydermans

Hole No AL.3

Claim No.KRL.44538-9
Lat. 465.0 Ft.N.on Ref. Line No.1
Dep. 110.0 Ft. W. of Ref. Line No. 1
Date Completed Sept. 19/60

Bear.N.60 deg. E.
Dip. - 40 deg.
Depth 150.0 Ft.

Footage	Formation	Sample No	Width Ft.	Oz.Au. Ton	$ Value
0.0 - 5.0	Overburden-Sand & boulders				
5.0 -150.0	DIORITE-Coarse grained, massive granodiorite.				
	49.0 Irregaular qtz.& qtz. carb. stgrs. with minor pyrite				
	48.9 - 50.3 Silicified section Scant pyrite throughout	57	1.4	.16	5.60
	80.3 - 80.6 White qtz. very minor pyrite and galena				
	80.0 - 81.0 Samples	58	1.0	.02	0.70
	106.2 - 108.1 Silicified section with fair pyrite	59	1.9	.06	2.10
	128.3 ½" Qtz. & qtz. carb. stgr. minor pyrite and chalco.				
	End of hole 150.0 Ft.				

Hole No. AL.4

Location of collar same as No.AL.3

Date Completed Sept. 21/60

Bear. N.60 deg. E.
Dip. -60 deg.
Depth 261.0 Ft.

Footage	Formation	Spl. No	Width Ft.	Oz.Au. Ton	$ Value
0.0 - 5.0	Overburden				
5.0 - 259.0	DIORITE-Coarse grained, massive granodiorite.				
	64.0-64.4 Smoky qtz. sacnt pyrite				
	64.4-65.7 Silicified section scant pyrite				
	64.0-65.7 Sample	60	1.7	.04	1.40
	157.5-158.8 Qtz.vein ,fair pyrite	61	1.3	.11	3.85
	165.8-166.5 4"Glassy qtz.vein,no sulph.	62	0.7	Nil	-
	209.5-210.3 Granitic section.				
	259.0-261.0 Basic dike, fine grained.				
	End. of hole 261.0 Ft.				

RED LAKE MINING DIVISION
NOV 28 1960
RED LAKE, ONT.

C. J. Boyderman

Hole No.AL.5

Claim No.KRL.44538-9
Lat. 515Ft.N.Ref.Line No.1
Dep. 110 Ft. W. of Ref. Line No. 1
Date Completed Spet. 23/60

Bear. N.60 deg. E.
Dip - 40 deg.
Depth. 171 Ft.

Footage	Formation	Sple. No	Width Ft.	Oz.Au. Ton	$Value Ton
0.0 - 171.0	DIORITE -Coarse grained granodiorite				
	36.5 - 37.5 Qtz.vein with 30% dibrite inclusions.0.3ft. wall rock fair pyrite				
	36.0 - 37.5 Sample	63	1.5	.48	16.80
	62.0 ¾" qtz. stgr. 30 deg. to core				
	65.5 Glassy white qtz. in shattered material of block				
	94.3 - 95.0 White qtz. vein very minor pyrite	64	0.7	.01	0.35
	102.0 - 103.0 2" qtz. vein 40 deg. to core 10" irregular qtz. & mineralized diorite.	65	1.0	.04	1.40
	138.0 - 143.0 Granitic section				
	143.0 - 143.5 ¼"qtz.stgr. near para. to core.				
	153.3 -155.0 ¼" qtz. stgr. near para to core.				
	End. of hole 171.0 Ft.				

Hole No. AL.6

Claim No. KRL.44538
Lat.495ft.N. on Ref. Line No. 1
Dep. 5 ft. W. of Ref. Line No. 1
Date Completed Sept. 26/60

Bear N.82 deg. E.
Dip -40 deg.
Depth 419.5 ft.

Footage	Formation	Spl. No	Width Ft.	Oz.Au. Ton	$Value Ton
0.0 419.0	DIORITE-Coarse grained granodiorite Massive,little variation in texture.				
	156.0 ¾"qtz.stgr. 10 deg. to core				
	164.6-168.0 Basic Dike fine grained				
	181.0 1" granitic dikelet				
	182.0 2" " "				
	186.4 2"Qtz. vein 40 deg. to core	66	0.5	.01	0.35
	191.0-204.5 Basic dike, fine grained				
	237.0-241.7 " "				
	249.0-257.3 " "				
	257.3-259.0 1.5'Qtz.vein,fair pyrite	67	1.7	.01	0.35
	289.0-291.5 Sheared sect.some irreg. qtz.& carbonates,no sulphides.				
	313.0-314.0 ½"qtz. stgr. 10 deg. to core				
	327.0-336.0 Tends to be more granitic				
	345.6- 2"granitic sect.				
	346.1 ½" qtz.stgr. 40 deg. to core				
	365.3-368.9 Basic dike,fine grained				
	371.2-372.2 " "				
	404.0 2" qtz. Stgr.some shearing & pyrite mineralization.	68	0.5	Nil	✓
	End of hole 419.5 ft.				

RED LAKE M.M. & D.
NOV 2 5
RED LAKE

G. J. Seydemann

Hole No. AL.17

Claim No. KRL44538
Lat. 495.0 ft. N. on Ref. Line No. 1
Dep. 295.0 ft. E. of No. 1 Ref. Line
Date of completion Oct. 1/60

Bear. N.82 deg. E.
Dip -40 deg.
depth 660.0 ft.

Footage	Formation	Spl. No	Width Ft.	Oz. Au. Ton	$Value Ton
0.0 - 7.0	Overburden- sand & boulders				
7.0 - 660.0	DIORITE-Coarse grained, massive granodiorite.				
	22.5- 29.5 Basic dike, fine grained, black.				
	44.5- 50.0 " " " "				
	50.0- 51.0 Granitic section				
	51.0- 55.2 Basic dike as above.				
	133.7-155.5 " " "				
	160.0-174.5 Some shearing near para. to core, some very minor qtz.				
	174.5-179.6 Bsaic dike, as above				
	179.6-285.0 Rock tends to be more acid.				
	285.0 ½" qtz. stgr. 15 deg. to core				
	287.0 1" Granitic sec.				
	316.2-317.0 2" qtz. vein 30 deg. to core well miner. with pyrite at contacts.	69	0.8	.17	5.95
	397.8 1"qtz. veinlet, wall rock well miner. with pyrite.	70	0.7	Nil	-
	484.0-485.0 White glassy qtz. vein sheared at contacts, some schist included	71	1.0	Nil	-
	507.0-508.0 Shear with some calcite.				
	528.0-538.0 Feldspar porphyry dike, greyish feldspar phenocrysts with visible albite twining striations, very minor pyrite.				
	538.0- Rock tends to become more basic.				
	546.8 1" qtz. & qtz. carb. stgr. frozen to walls, 15 deg. to core, very minor pyrite.				
	577.0-578.0 Granitic section.				
	584.4 ¼" qtz. stgr. Fair chalco 35 deg. to core				
	591.3-616.0 Basic dike, fine grained.				
	620.0-621.2 Qtz. stgrs. & fine chalco.	72	1.2	Nil	-
	644.0 1" qtz. stgr. 60 deg. to core, fair pyrite.				
	End of hole 660.0 ft.				

RED LAKE MINING DIVISION
NOV 28 1960
RED LAKE, ONT.

G. J. Geysdorman

Hole No.AL.8

Claim No.KRL.44539
Lat.3'S.of old sec.line
Dep. 379.0' W. of Ref. Line No. 1
Date Completed Oct. 6/60

Bear.N.10deg. E.
Dip -40 deg.
Depth 153.0

Footage	Formation	Spl.No	Width Ft.	Oz.Au. Ton	$Value Ton
0.0 - 9.0	Overburden-Sand & Boulders				
9.0 - 153.0	DIORITE- Coarse,massive,granodiorite.				
	17.5- 18.0 Granitic section .				
	34.0 ¼" qtz. stgr. 20 deg. to core.				
	60.2- 61.2 6" qtz. vein 45 deg. to core,very minor pyrite	73	1.0	Nil	-
	67.3 ¾" qtz. stgr. 45 deg. to core				
	68.1- 69.1 0.7' Blue qtz. vein,65 deg. to core, fair pyrite	74	1.0	.03	1.05
	111.0- 1" qtz. stgr. 15 deg. to core,very minor pyrite at contacts.				
	149.5-152.2 Granitic section, porphyritic texture,scant pyrite.	75	2.7	.03	1.05

RED LAKE MINING DIVISION
NOV 28 1960
RED LAKE, ONT.

Hole No. AL. 8

Claim No. K.R.L. 44539
Lat. 3' S. of Old Sec. Line
Dep. 379.0' W. of Rev. Line No. 1
Date Completed: July 21, 1961

Bear. N. 10° E.
Dip -40 deg.
Depth 204.0

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 9.0	Overburden - Sand and Boulders				
9.0 - 204.0	DIORITE - Coarse, massive granodiorite				
	17.5- 18.0 Granitic section				
	34.0 ¼" qtz. stgr. 20° to core				
	60.2- 61.2 6" qtz. vein, 45° to core, very minor pyrite	73	1.0	Nil	-
	67.3 ¾" qtz. stgr. 45° to core				
	68.1- 69.1 0.7' Blue qtz. vein, 65° to core, fair pyrite	74	1.0	.03	1.05
	111.0 1" qtz.stgr. 15° to core, very minor pyrite at contacts				
	149.5-152.2 Granitic section, porphyritic texture, scant pyrite	75	2.7	.03	1.05
	166.0 ½" Qtz. stgr. frozen to walls				
	175.7 ½" Qtz. stgr. free wall, some dark cherty material				
	189.0 ½" Qtz. stgr. some dark cherty material, 40° to core				
	190.0-192.5 Granitic section				
	End of hole - 204.0'				

C.J. Grydeman

Hole No. AL. 9

Lat. 515' N. on Ref. Line No. 1
Dep. 170' W. of Ref. Line No. 1
Date Completed: June 18, 1961

Bear. N. 60° E.
Dip -40°
Depth: 186.0'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 186.0	DIORITE - Coarse grained, massive				
	23.7- 26.3 Granitized section, some pyrite	76	2.6	Nil	-
	57.0 ½" Qtz. stgr. 25° to core, no sulphides				
	85.6- 87.3 Mineralized diorite, scant pyrite	77	1.7	0.03	1.05
	87.3- 89.0 As above	78	1.7	0.02	0.70
	103.0-104.0 Some minor quartz and scant pyrite along slip, 15° to core				
	105.2-105.6 Pink Qtz., scant pyrite	79	0.7	Nil	-
	112.5 ¼" Stgr. 15° to core				
	120.0-121.0 Altered zone, ¼" qtz.stgr. 45° to core, irregular qtz. granitic material, minor pyrite	80	1.0	Nil	-
	125.5-126.5 ¼" qtz. stringer, 15° to core, small mud seam				
	129.0-130.0 Brecciated material, 15° to core				
	130.3-134.0 ¼" Qtz. stgr. near para. to core				
	167.7 ¼" qtz. stgr., 35° to core				
	175.8-178.3 Vein material, 20% qtz. in altered diorite. Some orientation of texture. Fine pyrite, minor galena and chalco	81	2.5	0.07	2.45
	End of hole - 186.0'				

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Hole No. AL. 10

Lat. 565' N. on Ref. Line No. 1
Dep. 166' W. of Ref. Line No. 1
Date Completed: June 22, 1961

Bear. N. 60° E.
Dip -40°
Depth: 248.5'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 6.0	Casing - Sand and boulders				
6.0 - 248.5	DIORITE - coarse grained, massive				
	20.8- 21.3 Silicified sec., scant pyrite	82	0.5	0.01	0.35
	30.9- 32.4 Granitic sec., very minor pyrite, 25° to core				
	58.0 1" glassy qtz. stgr. 25° to core, very minor pyrite	83	0.5	Nil	-
	68.0 2" granitic sec.				
	78.7- 80.5 Altered sec., minor qtz. fair pyrite, minor epidote	84	1.8	0.07	2.45
	82.0- 83.0 Granitic sec., very minor pyrite				
	107.5-108.5 Several qtz.stgrs., 90° to core, scant pyrite	85	1.0	0.01	0.35
	109.4-110.4 Altered sec., minor qtz. scant pyrite, epidote	86	1.0	0.02	0.70
	124.0-124.8 Altered sec., some epidote, fair pyrite	87	1.0	0.01	0.35
	124.8-125.2 Granitic sec., fair pyrite				
	149.1-149.8 2" granitic sec., 45° to core	88	0.7	Nil	-
	174.0 Open slip 15° to core, lost water				
	178.2-178.9 Qtz. vein, white & smoky qtz., well mineralized with pryite	89	1.0	0.08	2.80
	194.0 ¾" shear, 15° to core				
	201.0 Slip 15° to core				
	220.5 ¼" qtz.stgr. 15° to core, fair pyrite	90	1.0	0.02	0.70
	223.0 2" Irregular qtz., minor pyrite	91	0.7	0.01	0.35
	240.5 Two ¼" qtz. stgrs., 1" apart, 25° to core				
	End of hole - 248.5'				

W. F. Leyderman

Hole No. AL. 11

Lat. 615' N. On Ref. Line No. 1
Dep. 140' W. of Ref. Line No. 1
Date Completed: June 26, 1961

Bear. N. 60° E.
Dip -40°
Depth: 201.5'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 4.0	Casing				
4.0 - 201.5	DIORITE - coarse grained, massive slips 20° & 60° to axis of core				
	49.7 ¼" Qtz.stgr. normal to core	92	1.5	0.04	1.40
	50.0- 50.9 Smoky qtz. vein, fair pyrite				
	60.0 ¼" Qtz.stgr. 70° to core				
	81.5 ¼" " " 25° to core				
	105.0-106.0 Granitic sec., fair pyrite	93	1.0	0.01	0.35
	106.5- 2" Granitic sec.				
	112.5- Qtz.stgr. near para. to core				
	147.6-151.6 Vein material, brecciated diorite 30%, qtz.in stgrs. and masses, scant pyrite	94 95	2.0 2.0	0.02 0.02	0.70 0.70
	167.8-169.3 Granitic sec., fair pyrite				
	184.4-187.6 Basic dike - fine grained, black				
	191.7 ½" qtz. stgr., 30° to core				
	End of hole - 201.5'				

W. J. Leyderman

Hole No. AL. 12

Lat. 465' N. on Ref. Line No. 1 — Bear. N. 60° E.
Dep. 290' W. of Ref. Line No. 1 — Dip -60
Date Completed: July 6, 1961 — Depth: 636.0'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0- 5.0	Casing - Sand				
5.0-636.0	DIORITE - Weathered & Blocky to 25.5				
	27.5- 28.0 0.5' Qtz.vein frozen to walls, heavily mineralized with pyrite & galena,minor chalco, V.G.	97	1.2	2.88	100.30
	Massive coarse grained Diorite				
	78.0 Tends to become slightly more granitic				
	117.0 1" Qtz.stgrs. 40° to core, very glassy, very minor pyrite at upper contact				
	130.4-130.7 Silicious sec.,scant pyrite				
	130.3-131 Silicious sec.,scant pyrite	98	0.7	0.08	2.80
	146.0 Slip - ¼" schist, minor qtz. 10° to core				
	148.7&149.2 ¼" dry glassy qtz.stgrs.				
	175.5-178.0 Basic dike, F.G. black				
	182.3-190.7 " " " "				
	134.0-134.8 Orientation of texture normal to core				
	250.0- ¾" Qtz.stgr., 20° to core free wall, no sulphides				
	284.3-284.6 0.3' White Qtz. vein, 60° to core, wall rock sheared at contacts with fair pyrite in shearing, minor chlorite & pyrite in qtz.	99	0.6	0.01	0.35
	295.5-297.5 1" Qtz.stgr. 7° to core,minor shear at contacts, minor pyrite	100	2.0	Nil	-
	297.8-304.5 Basic dike, F.G. black to greenish in colour, suggestion of ophitic texture, Minor shear at contacts, some orientation of texture of Diroite at contact				
	356.0 ½" white qtz.stgr. 20° to core, minor shear at walls				
	364.0-364.5 Granitic sec.				
	279.7-380.2 Shear 60° to core, no visible sulphides, minor qtz.	101	0.7	Nil	-
	384.2 ¾" Qtz.stgr. 20° to core, minor pyrite & development of epidote				
	387.2 2" granitic sec. 60° to core				
	409.5-409.8 Granitic sec.				
	Rock tends to be slightly more acid				
	435.0 ½" Qtz. stgr. 30° to core				

Hole No. AL. 12 - Continued

438.0	2" Qtz. veinlet, fractured para to walls, minor pyrite	102	0.5	0.01	0.35
450.3	Some shearing, 10% qtz. 20° to core, minor pyrite	103	0.8	Nil	-
453.7-454.3	Narrow shear 20° to core, 10% qtz., some charite, minor pyrite	104	0.6	Nil	-
467.5-468.5	Silicified sec., fair pyrite	105	1.0	Nil	-
475.0-476.2	Vein material, 3 para. veinlets make up 30% of core, fair pyrite, very minor galena, very minor chalco, epidote in wall rock, vein frozen to walls. Probable intersection of No. 1 vein	106	1.2	0.02	0.70
521.0	¼" Qtz.stgr. frozen to walls 45° to core				
531.5-532.9	Silicified sec. fair pyrite	107	1.4	Nil	-
564.0	½" Qtz.stgr. near normal to core				
577.0	½" Qtz.stgr. 45° to core				
617.5-618.0	2" Qtz. veinlet 30° to core, minor pyrite	108	0.5	Nil	-
633.5	½" Qtz. stgr. near para. to core				

End of Hole - 636.0'

A. J. Snyderman

Hole No. AL. 13

Lat. 465' N. on Ref. Line No. 1
Dep. 367' W. of Ref. Line No. 1
Date Completed: July 14, 1961

Bear. N. 60° E.
Dip -60°
Depth: 201.0'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 5.5	Casing - Sand				
5.5 - 201.0	DIORITE - Normal				
	30.7 5" qtz. vein frozen to walls, fair pyrite, chalco and galena, V.G. on hanging wall side of veins, 65° to core, core shattered	109	1.1	0.77	26.95
	37.0 ¼" qtz.stgr. 60° to core				
	43.0 ¼" qtz.stgr. 60° to core				
	62.7- 65.2 Silicious sec. some hair like fracturing, minor qtz. & pyrite	110	2.5	Nil	-
	69.0- 76.0 Numerous slips 10° to 15° to core may be fault zone				
	97.0- 99.5 ¼" Qtz.stgr. near para. to core				
	99.5-101.0 Slightly schistose				
	104 ¼" qtz.stgr. 10° to core				
	124.5 " " " " " " fair pyrite				
	128.0 2" qtz.stgr. frozen to walls, branching, ½" qtz. stgr. para. to core for 1.0', fair pyrite	111	1.2	0.08	2.80
	131.0 ¼" qtz.stgr. 65° to core, no sulph.				
	156.0 ¼" qtz.stgr. 60° to core no sulph.				
	162.3 ¼" qtz.stgr. 60° to core no sulph.				
	175 ½" qtz.stgr., free wall				
	181.3-182.0 5" qtz. on side of core, may be stgr.para to core Terminates on slip face 60° to core, fair pyrite & galena, minor chalco may be intersection of vein near collar of AL.12)	112	0.7	Nil	-
	Normal Diroite to end of Hole 201.0'				

W. F. Weyderman

Hole No. AL. 14

Lat. 515' N. on Ref. Line No. 1
Dep. 375' W. of Ref. Line No. 1
Date Completed: July 18, 1961

Bear. N. 60° E.
Dip -40°
Depth: 164.7'

Footage		Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 164.7		DIORITE - Coarse grained, somewhat granitic				
	24.0	3" Qtz. vein frozen to walls, well mineralized with Pyrite, galena, sphalerite, minor chalco	113	1.1	0.88	30.80
	42.0	2" White Qtz, veinlet, frozen to walls, fair pyrite - 20° to core	114	1.3	0.01	0.35
	45.5- 46.0	1" Qtz. stgrs. frozen to walls, 30° to core, coarse pyrite	115	0.5	0.42	14.70
	61.0	¾" qtz. veinlet, 15° to core, shear at walls, fair pyrite in wall rock				
	66.7	5" qtz. vein, hanging wall free, foot wall				
	f	frozen, 25° to core. Masses of Marcasite, 1" good galena, sphalerite minor chalco & V.G., para. Qtz., at 68.1, probable normal width 1.0'	116	2.3	6.35	222.25
	106.5	½" to 1" qtz.stgr. frozen to walls, 20° to core. Well mineralized with pyrite, sphalerite, galena, chalcopyrite, visible gold	117	1.0	6.08	212.80
	112.0	1" Qtz.Stgr., free wall, minor pyrite	118	0.5	0.02	0.70
	122.8	1" Qtz.Stgr., frozen, coarse pyrite, V.G.	119	0.5	3.89	136.15
	142.3	2" Qtz., calcite				
	163.0-164.0	Granitic Section				
		End of Hole - 164.7'				

W. J. Bergdorman

Hole No. AL. 15

Lat. 415' N. on Ref. Line No. 1 — Bear. N. 60° E.
Dep. 367' W. of Ref. Line No. 1 — Dip -40°
Date Completed: July 24, 1961 — Depth 312.3'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 6.0	Casing				
6.0 - 312.3	DIORITE - Coarse grained granodiorite very blocky				
	32.0 ½" qtz.stgr. frozen to wall fair pyrite - rock tends to become less blocky				
	66.5 ½" qtz.stgr. 10° to core, fair pyrite,rock quite solid				
	106.0 ¼" white qtz.stgr. in tight narrow dry appearing shear, 25° to core				
	125.6 ¼" qtz.stgr. as above, 30° to core				
	135.0 1" qtz.stgr. & qtz. carb. no sulph, 30° to core				
	148.1 ¼" qtz.stgr. along wall of slip with slickensides, 20° to core				
	150.5 Open seam, schisted, no sulph.				
	172. ¼" stgr., 10° to core				
	189.5 ¼" qtz. & carb., free wall, 30° to core				
	213.5 ½" granitic dikelet, 30° to core				
	218. 1" granitic dikelet, 30° to core				
	Rock becomes more acid				
	228.0-230. Granitic				
	232.0-240.0 Basic Dike, fine grained black				
	244.5 0.7' Granitic phase				
	250.5 1" qtz.stgr. frozen to wall normal to core, scant pyrite	120	0.4	0.02	0.70
	252.5 Irregular qtz.stgrs., fair pyrite	121	0.6	0.02	0.70
	259.9-262.1 Silicified sec., fair pyrite, slight shearing	122	2.2	0.02	0.70
	277.5 3" bluish qtz. vein - normal to core, fair pyrite, para. stgr. 1" from vein, fair pyrite	123	0.7	0.01	0.35
	284.0-294.0 Basic Dike - F.C. sheared with open seam at contact, lost water, open seam on foot wall				
	End of Hole - 312.3'				

C.J. Greydirman

Hole No. AL. 16

Lat. 465' N. on Ref. Line No. 1
Dep. 417' W. of Ref. Line No. 1
Date Completed: September 10, 1961

Bear. N. 60° E.
Dip -40°
Depth: 234.5'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 13.0	Casing - Sand and Boulders				
13.0 - 234.5	DIORITE - Coarse grained granodiorite				
	20.0 Slip 15° to core. Fairly massive, somewhat porphyritic in appearance to 59.0'				
	59.0 ½" White qtz.stgr., free wall - no sulphides				
	68.0 3" white qtz. vein, very minor chalco, galena, scant pyrite	124	0.5	0.24	8.40
	78.0 Ground 0.5'				
	96.0 ½" qtz.stgr., frozen, scant pyrite				
	109.0 1" glassy qtz., 45° to core - minor chalco & pyrite, tourmaline				
	141.0 Cuts side of AL. 12				
	149.5 3" White qtz. vein with massive Marcasite 25° to core. Frozen, fair pyrite	125	1.3	0.19	6.65
	146.7 ½" qtz. stgr., 25° to core				
	157.8 3" qtz. vein, frozen, fair pyrite, norm. to core	126	0.5	1.74	60.90
	186.2-234.5 Massive coarse grained Granodiorite, some granitic phases				
	End of Hole - 234.5'				

C. F. Snyderman

Hole No. AL. 17

Lat. 465' N. on Ref. Line No. 1 — Bear. S. 60° W.
Dep. 397' W. of Ref. Line No. 1 — Dip -40°
Date Completed: September 17, 1961 — Depth: 298.0'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 9.0	Casing - Sand and Boulders				
9.0 - 298.0	DIORITE - Coarse grained, slightly porphyritic				
	45.5- 52.0 Basic Dike, Black F.G.				
	52.0 Diorite tends to be more acid to 142.0				
	78.0 ½" Qtz.stgr., scant pyrite, 30° to core				
	92.0- 93.0 Granite Porphyry				
	107.0 ¾" barren looking qtz.				
	142.0-148.0 Dike F.G., light greyish green in colour. Traversed by narrow hair like fractures				
	149.0 ½" Qtz.stgr., 15° to core				
	151. Para. ¼" qtz. stgrs. in 1" shear				
	177.5 ¼" qtz.stgr., frozen to walls, 40° to core, minor pyrite				
	199.0 ¼" Blue qtz. vein - frozen, scant pyrite, 50° to core				
	203.6 1" qtz. stgr.) Frozen to				
	204.1 2" qtz. stgr.) wall				
	Fair pyrite, minor chalco	127	1.0	0.02	0.70
	211.0-213.0 Basic Dike Black F.G.				
	230. ½" Qtz. Stgr., frozen, 30° to core				
	259.5 ½" stgr., frozen, 40° to core				
	290.3 ¼" Qtz.stgr., free wall, 55° to core				
	293.0 3" irregular qtz., frozen scant pyrite and chalco.				
	Sample as above	128	0.6	Nil	-
	End of Hole - 298.0'				

C. F. Leydrman

Hole No. AL. 18

Lat. 515' N. on Ref. Line No. 1 — Bear. N. 60° E.
Dep. 419' W. of Ref. Line No. 1 — Dip -50°
Date Completed: September 19, 1961 — Depth: 301.0'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 5.0	Casing - Sand and Boulders				
5.0 - 301.0	5.0- 10.5 Diorite, c.g. granitic				
	10.5- 12.0 Ground core				
	12.0- 13.0 Basic Dike, Black F.G.				
	13.0- 14.0 Ground core				
	14.0- 15.4 Basic Dike				
	15.4 Diorite				
	26.5 ¼" qtz.stgr. frozen, 5° to core, fair pyrite				
	26.5- 86.0 Massive Diorite				
	86.0 4" qtz. vein, frozen, near norm. to core, minor pyrite and galena	129	0.7	0.02	
	102.0 2" White & Smoky qtz. & qtz. cork, free wall, 40° to core				
	121.5-124.0 ¼" qtz.stgr., frozen, para. to core, fair pyrite				
	138.0-151.5 ¼" qtz. stgr., near para. to core, frozen, fair pyrite. Terminates at 1" qtz.stgr. 40° to core in weak shear				
	186.0 ½" qtz.stgr., Epidote, 50° to core				
	190.0 ½" Silicious material, free wall, slickenside, 70° to core				
	190.0-250.0 Massive Diorite				
	250.0 6" Granitic material				
	264.0 2' weak shear				
	279.5-288.0 Basic Dike, F.G. Black				
	End of Hole - 301.0'				

C. J. Carydermon

Hole No. AL. 19

Lat. 565' N. on Ref. Line No. 1
Dep. 424' W. of Ref. Line No. 1
Date Completed: September 28, 1961

Bear. N. 60° E.
Dip -40°
Depth: 230.0'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 7.0	Casing - Sand and Boulders				
7.0 - 230.0	DIORITE - Coarse grained granodiorite				
	14.0- 15.0 Brecciated material, fractures filled with silicious material, scant pyrite	130	1.0	Nil	-
	18.3- 18.5 Silicious section, fair pyrite	131	0.5	Nil	-
	18.7- 21.2 Basic Dike, F.G. Black				
	31.0 ½" Glassy qtz.stgr., frozen 30° to core, very minor pyrite				
	37.5 2" glassy qtz., free wall, barren looking, no sulphides				
	38.0-135.0 Massive coarse grained granodiorite				
	135.5 ½" Glassy qtz.stgr., 30° to core				
	140.0-144.0 Granitic Phase				
	179.0 ¾" Glassy Qtz. Stgr. 30° to core				
	194.0 ½" qtz.stgr., frozen 30° to core				
	205.0 2" Veinlet of qtz., para stgrs. for 2" on hanging wall side, frozen, norm. to core, fair pyrite	132	0.4	0.08	2.80
	End of Hole - 230.0'				

W. F. Heyderman

Hole No. AL. 20

Lat. 665' N. on Ref. Line No. 1
Dep. 236' W. of Ref. Line No. 1
Date Completed: October 5, 1961

Bear. N. 60° E.
Dip -40°
Depth: 198.5'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 7.0	Casing - Sand and Boulders				
7.0 - 11.0	SEDIMENTS - Highly silicious - very low tenor, chalco-pyrite and pyrrhotite	133	2.0	Nil	-
		134	2.0	Nil	-
11.0 - 198.5	DIORITE - Coarse grained				
	11.0- 24.0 Weakly sheared				
	15.3 2½" qtz. veinlet				
	15.5 2" qtz. veinlet fair pyrite	135	0.5	0.02	0.70
	16.6 2" veinlet, frozen, fair pyrite	136	0.4	Nil	-
	22.0 2" Granitic material, fair pyrite				
	23.6- 27.4 Basic Dike, F.G. Black				
	27.4- 29.5 Weakly sheared Diorite				
	29.5- 40.0 Schistose Diorite				
	31.3- 31.7 2" qtz. vein, frozen, fair pyrite, very minor chalco	137	0.7	Nil	-
	77.0- 83.0 Granitic dikelet, near para. to core				
	116.0 1" Black - slightly magnetic material - softer than knife blade, some pyrite				
	133.5 2" qtz. and Feldspar, very minor pyrite				
	142.0-150.0 Granitic, tends to porphyritic texture				
	153. 6" Granitic as above, massive Diorite to end of hole 198.5'				
	End of Hole - 198.5'				

C.F. Greydirman

Hole No. AL. 21

Lat. 715' N. on Ref. Line No. 1
Dep. 393' W. of Ref. Line No. 1
Date Completed: October 17, 1961

Bear. S. 60° W.
Dip -40°
Depth: 255.0'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 14.5	Casing - Sand and Boulders				
14.5 - 100.3	SEDIMENTS - Greywacke & Conglomerate				
	21.5 2" Stg.qtz., well mineralized with pyrite	138	0.6	0.01	0.35
	34.2 1" qtz.stgr. well mineralized with pyrite	139	0.5	0.02	0.70
	97.5 ½" qtz.stgr., well mineralized - pyrite and galena	140	0.5	0.01	0.35
100.3 - 255.0	DIORITE - Contact zone, Medium F.G. Orientation of Tex.				
	124.0-127.0 Some irregular qtz., scant pyrite				
	162.0-170.6 Basic Dike, M.F.G. Black				
	181. 2" Granitic sec. Diorite oriented texture				
	253.0 3" Granitic material				
	End of Hole - 255.0'				

C.F. Brydirman

Hole No. AL. 22

Lat. 315' N. on Ref. Line No. 1
Dep. 260' W. of Ref. Line No. 1
Date Completed: October 22, 1961

Bear. N. 60° E.
Dip -40°
Depth: 247.7'

Footage	Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 6.0	Casing - Sand and Boulders				
6.0 - 247.7	DIORITE - Coarse grained Granodiorite				
	18.0 ½" qtz.stgr., glassy, free wall				
	100.0-104.0 Basic Dike, F.G. Black				
	104. 6" White qtz., some chlorite, very minor pyrite	141	0.5	Nil	-
	162.0-163.5 Granitic section				
	181.7-184.0 Vein, upper contact, 15° to core, lower contact 15° to core, lower contact against Basic Dike - Frozen to walls, well mineralized with Pbs, ZnS, Chalco, and pyrite. Nor width probably 0.5'	142	2.3'	0.11	3.85
	184.0-192.0 Basic Dike, F.G. Black				
	Boundary at 197.0'				
	217. 3" Granitic Section				
	231.5 5" Qtz. vein, frozen, minor pyrite	143	0.6	0.51	17.85
	End of Hole - 247.7'				

W. J. Grydersman

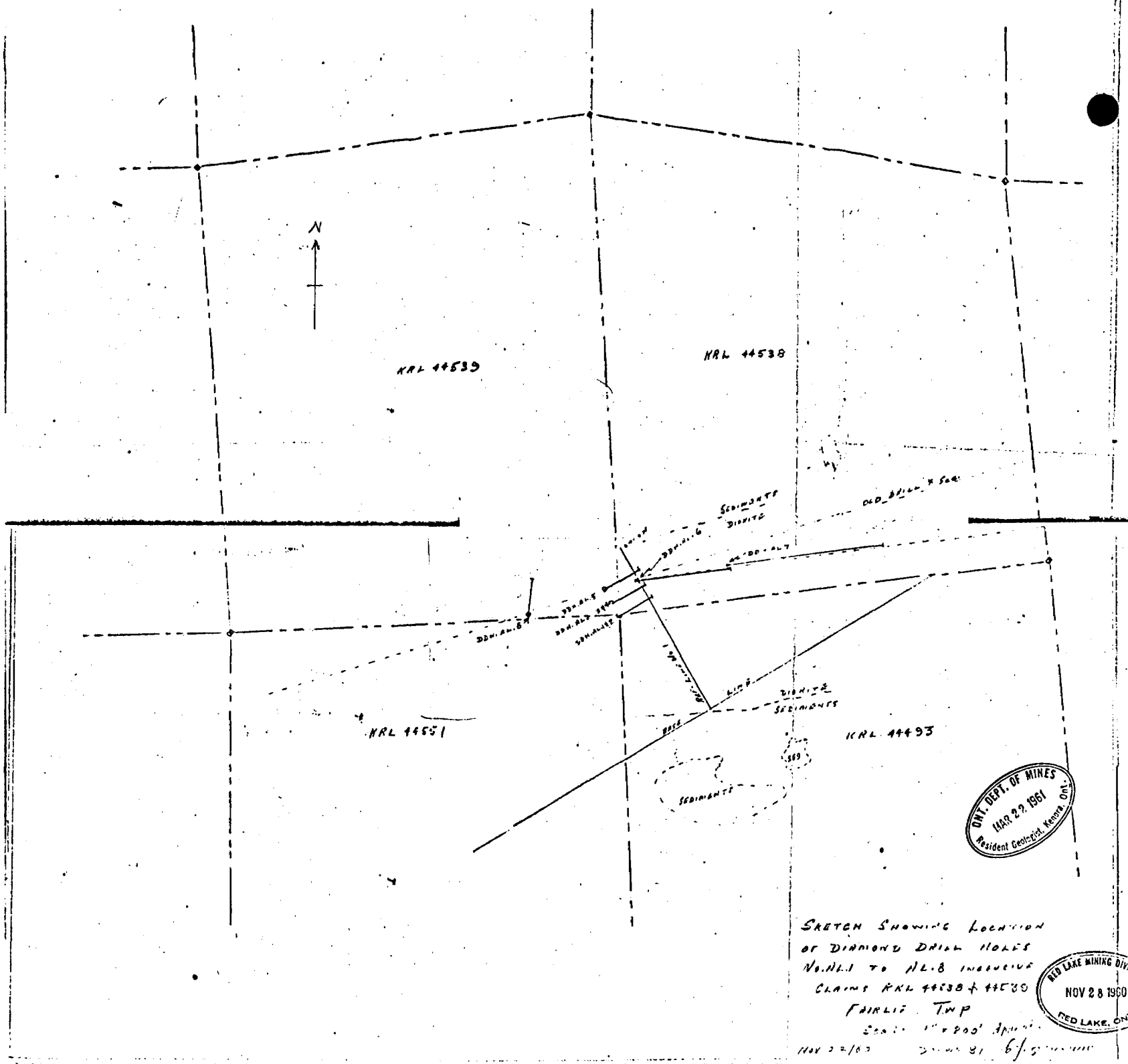
Hole No. AL. 23

Lat. 315' N. on Ref. Line No. 1
Dep. 260' W. of Ref. Line No. 1
Date Completed: October 26, 1961

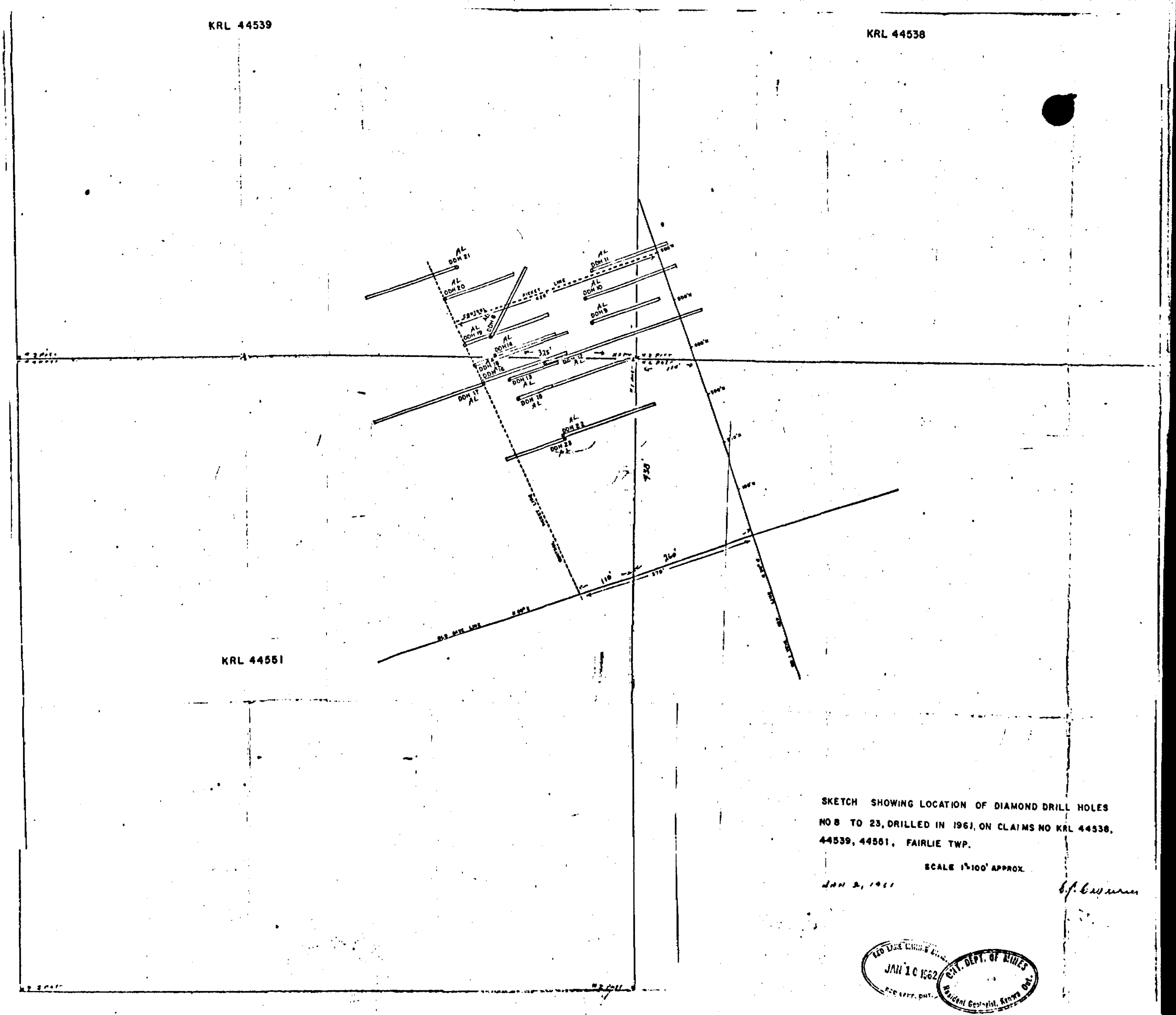
Bear. S. 60° W.
Dip -40°
Depth: 155.0'

Footage		Formation	Sample No.	Width Ft.	Oz.Au. Ton	$ Value Ton
0.0 - 6.0		Casing - Sand and Boulders				
6.0 - 155.0		DIORITE - Coarse Grained, blocky				
	56.5	1" Pegmatitic sect. free wall, no sulph.				
	85.0	Para. stgrs., 45° to core, frozen, fair pyrite	144	0.7	0.05	1.75
	90.0	2" qtz. stgr., free wall, no sulph. Barren looking qtz. 50° to core				
	97.5	½" qtz.stgr. 25° to core, frozen. Fractured para. to walls, fair pyrite	145	0.5	0.02	0.70
	100.8	1" qtz.stgrs., 50° to core, frozen. Fair pyrite	146	0.6	Nil	-
	125.0	½" Qtz. Comp, Stgr. 45° to core				
	130.5	1" qtz.stgr., frozen. Fair Pyrite, minor galena, qtz. in block	147	0.5	0.35	12.25
		Ground very blocky, some fractures filled with calcite.				
	149.	2" qtz. vein, 30° to core, frozen, scant pyrite	148	0.6	Nil	-
		End of Hole - 155.0'				

R.J. Bryderman



SKETCH SHOWING LOCATION
OF DIAMOND DRILL HOLES
No. AL-1 TO AL-8 INCLUSIVE
CLAIMS RKL 44538 & 44539
FAIRLIE TWP
SCALE 1" = 200' APPROX.
NOV 22/60 DRAWN BY G.F.



SKETCH SHOWING LOCATION OF DIAMOND DRILL HOLES NO 8 TO 23, DRILLED IN 1961, ON CLAIMS NO KRL 44538, 44539, 44551, FAIRLIE TWP.

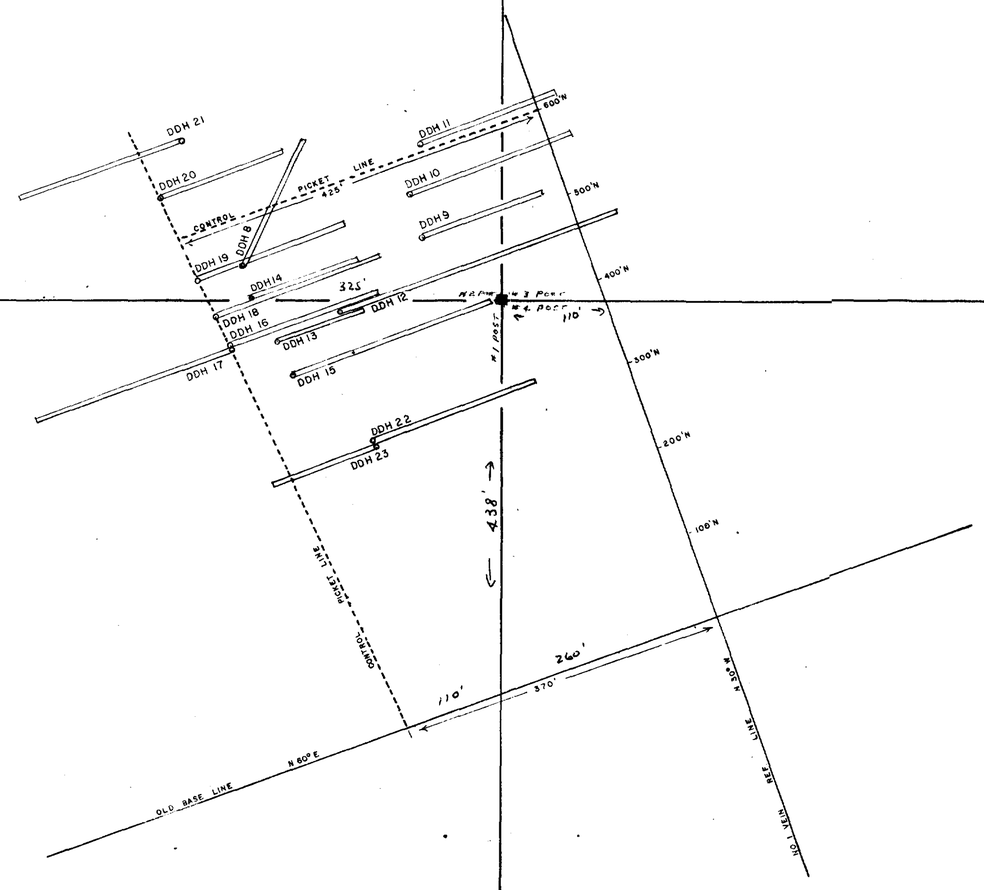
SCALE 1"=100' APPROX.

JAN 2, 1961

KRL 44539

KRL 44538

KRL 44551



SKETCH SHOWING LOCATION OF DIAMOND DRILL HOLES NO 8 TO 23, DRILLED IN 1961, ON CLAIMS NO KRL 44538, 44539, 44551, FAIRLIE TWP.

SCALE 1"=100' APPROX.

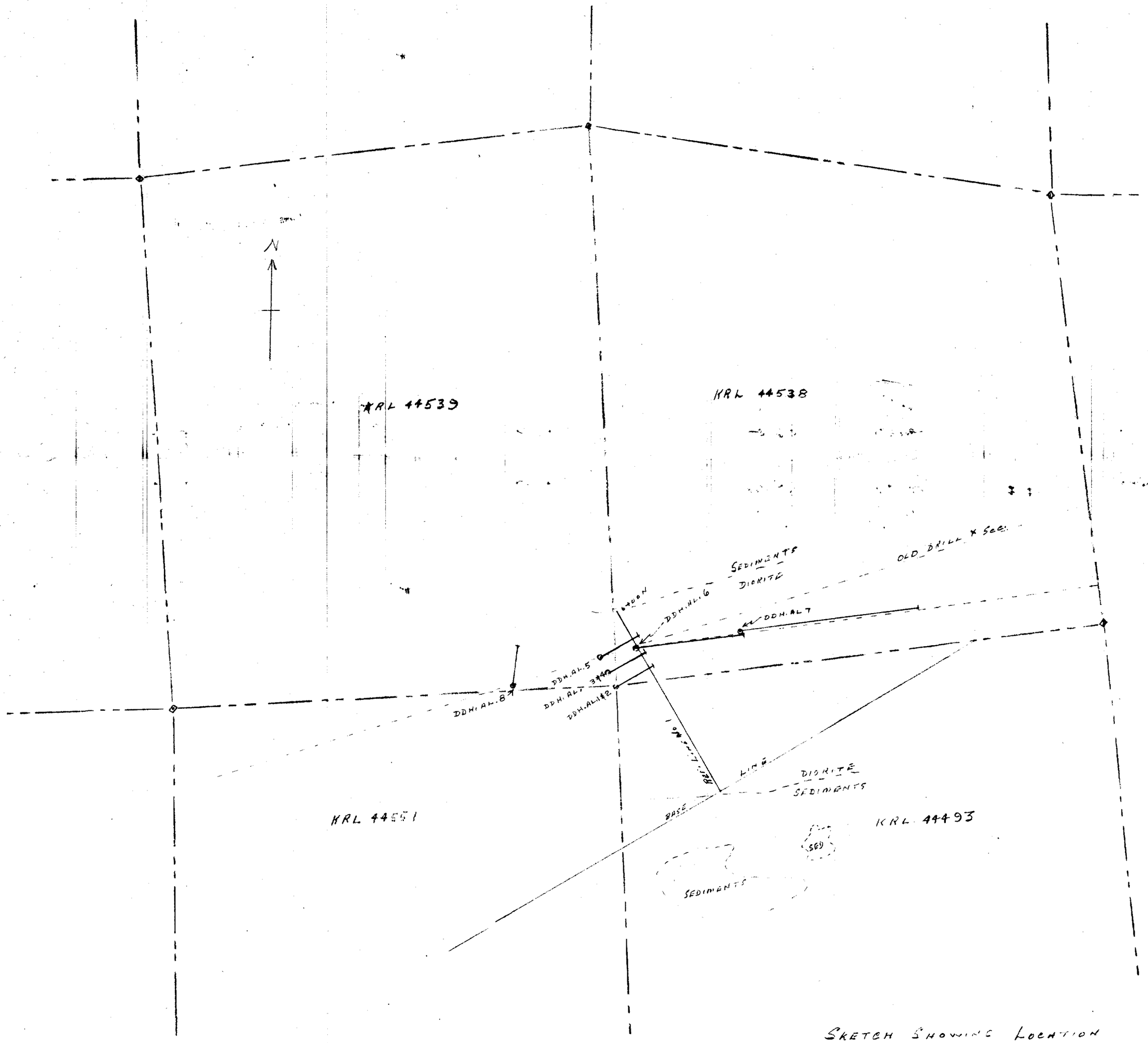
JAN 2, 1961

E.J. Bruneau

JAN 16 1962

52N04SW0156 21 FAIRLIE TWP

200



SKETCH SHOWING LOCATION
OF DIAMOND DRILL HOLES
No. AL.1 TO AL.8 INCLUSIVE
CLAIMS KRL 44538 & 44539
FAIRLIE TWP
Scale 1" = 200'

Nov 22/60 DRAWN BY E. J. Grydzuna

52N04SW0156 21 FAIRLIE TWP

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RED LAKE NO RED