

REPORT
ON
DRILLINGNEWFIELDS MINERALS INC.
BASIN PROPERTY
TECK TOWNSHIP
HOLES 85 - 14 to 86 - 19G incl.

85 - N - 14 drilled north to a depth of 3,505', cut all rocks found on the property and was designed to penetrate the contact of basal grit with Kinojevis volcanics at depth, on the east side of the property. Minor gold values were encountered in pyritic basal grit.

85 - N - 15 drilled north to a depth of 3,618' and was similarly designed as Hole 14 to penetrate the contact of basal grit with Kinojevis volcanics at depth, on the west side of the property. Minor gold values were encountered in pyritic basal grit.

85 - N - 16 drilled north, in the centre of the property, to a depth of 5,322'. This hole was designed to test the 3054 break below the 3000' level and to penetrate the contact between basal grit and Kinojevis volcanics. A fault was encountered near the porphyry contact in conglomerate (3054 break) at 3665'. There is no veining there and a loss of drill water but anomalous gold in sludges were encountered.

85 - N - 17 drilled north to a depth of 4,006', encountered significant hydro-thermal alteration in 366' of core from 3030.5' to 3396.3'. This has been labelled the brown-altered zone (BAZ) and is a hematized, highly strained iron-tholeiite. Significant gold values in quartz veins associated with BAZ include 0.145 opt Au over 1.3' and 0.440 opt Au over 5.1'.

86 - N - 17A was wedged off of 17 at a depth of 2,476' to get a cut above the parent hole. It intersected BAZ between 2907' and 3009.9' and then went into Temiskaming sediments and tuffs and then into Mg-tholeiites of Kinojevis Group where it was stopped at 3926'. Anomalous gold values were encountered in the BAZ.

86 - N - 17B was wedged off of 17 at a depth of 2375' to get a cut east of 17A. It intersected BAZ between 2880' and 2968' where it also went into Temiskaming sediments and Mg - tholeiites. Anomalous gold values, up to 1050 ppb over 7.7', were encountered in BAZ.

86 - N - 17C was wedged off of 17 at a depth of 2,323' to get a cut below the parent hole. It was not successful but did get underneath 17A and

MEP
Newfields
Drilling
1986

17B. Here it intersected BAZ between 2942' and 3044' and also went into Temiskaming sediments and tuffs and Mg - tholeiites. Anomalous gold values were encountered in BAZ.

86 - N - 17D was wedged off of 17 at a depth of 2,276' to get a cut west of and at the same depth as 17. It was successful and intersected BAZ between 3120' and 3468'; staying in the host Fe - tholeiite to the end of the hole at 4257'. Numerous sub-ore grade gold intersections were made in BAZ including 0.103 opt Au over 1.0' and 0.120 opt Au over 3.6'.

86 - N - 17E was wedged off of 17 at a depth of 1,272' to complete the section between surface and parent 17. At the end of the conglomerate where the zone of interest lies in 17, this cut encountered a fault contact with Temiskaming sediments and tuff at 2362'. No Fe - tholeiite was intersected there, but Mg - tholeiite was encountered below the tuff, at 3213'.

86 - N - 17F was wedged off of 17 at a depth of 969' to get a cut west of 17D at the same depth. At the end of conglomerate, this hole encountered the zone of interest of Fe - tholeiite between 2827' and 2901'. No BAZ was intersected.

85 - N 18 drilled south on the west side of the property to complete the section with Hole 15. It was collared in debris flow and encountered mafic syenite from 34' to 1050'. It then went through Temiskaming sediments, bimodal porphyry, mafic syenite again and back into Temiskaming sediments at 3254'. Anomalous gold was encountered in pyrite quartz veins in this sediment over narrow widths, eg. 1000 ppb Au over 0.5'. No significant values were found elsewhere in the hole. It was stopped in diabase at 3986'.

86 - N - 19 to 19D drilled north, to the east of 17, to test for the extension of BAZ. It was collared in bimodal porphyry. 19A wedge cut was started at 1244' to get around a burnt bit. The hole was drilled at a steep angle (-85°) and tended to turn into the plane of formation in Temiskaming sediments. Wedges 19B, 19C and 19D were put in at this horizon due to this problem. 19D stayed true and penetrated Fe - tholeiite at 3087'. BAZ was encountered between 3219 and 3297' with anomalous gold values.

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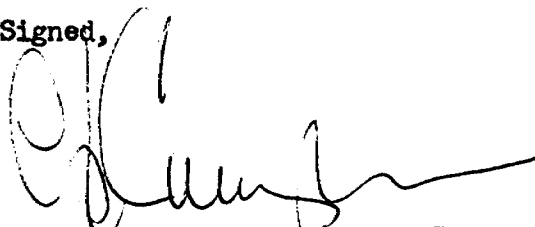
86 - N - 19F was wedged off of 19E at 2,870' to get a cut further east of 19E.

It encountered BAZ in Fe - tholeiite between 2977' and 3509'. Best gold intersection there was 0.160 opt Au over 3.8'. The hole was stopped in Fe - tholeiite at 3844'.

86 - N - 19G was wedged off of 19E at 1,482' to get a cut further east of 19F.

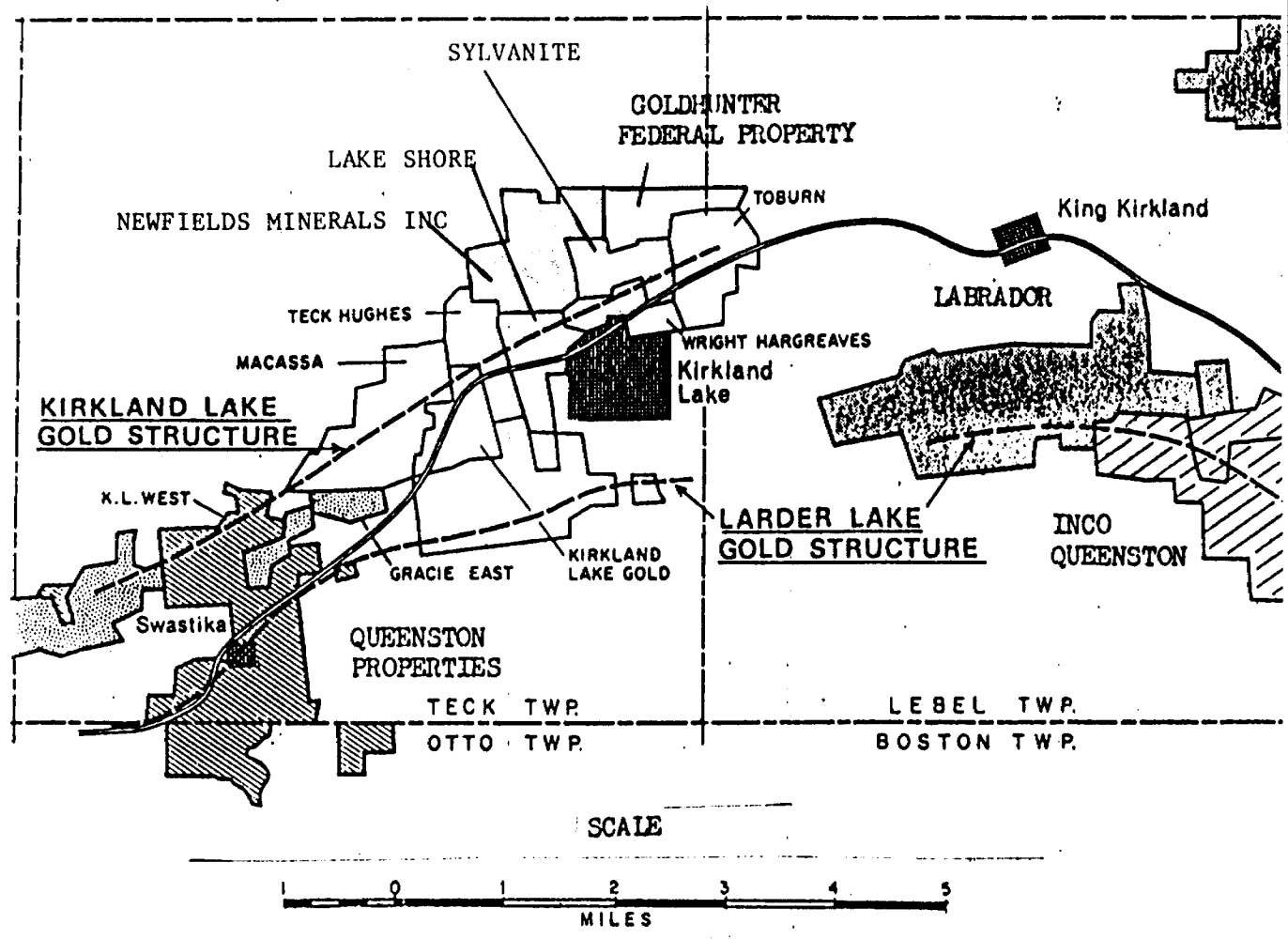
This was not successful, as 19G paralleled 19F. Results, therefore, were very similar to 19F.

Signed,



L. J. Cunningham, B.Sc., P.Eng.,
Mining Engineer

Dated at
Kirkland Lake, Ontario
23rd December, 1986



Macassa and Lake Shore are present producers

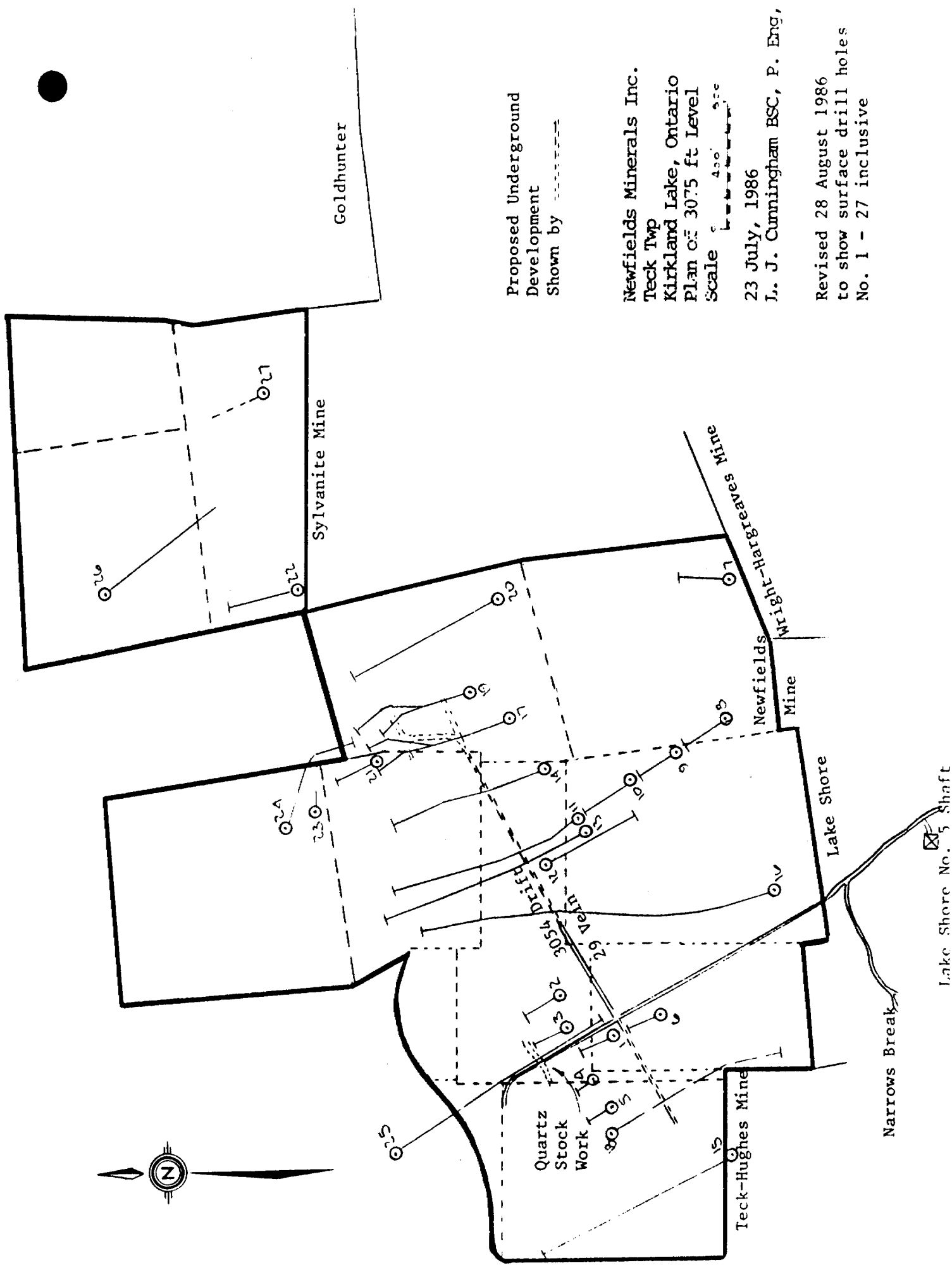
Kirkland Lake Gold, Teck Hughes, Wright-Hargreaves, Sylvanite
and Toburn are former producers

Total Production: 23,000,000 ounces gold from 50 million tons of ore

LOCATION MAP
Newfields Minerals Inc. ;
BASIN ~~Federal~~ Property
Teck-Label Townships
Kirkland Lake, Ontario

L. J. Cunningham, B.Sc., P. Eng.,
September, 1985

FIGURE 1



Proposed Underground Development
Shown by

Newfields Minerals Inc.
Teck Twp
Kirkland Lake, Ontario
Plan of 3075 ft Level
Scale 1" = 400'

23 July, 1986

J. J. Cunningham BSC, P. Eng.

Revised 28 August 1986
to show surface drill holes
No. 1 - 27 inclusive

Lake Shore No. 5 Shaft

PROPERTY NEWFIELD MINERALS INC.

Claim L.1754 Teck Twp.
 LOCATION: 90 ft. South & 350 ft.
 LATITUDE: west of No. 1 post
 DEPARTURE: _____
 ELEVATION: _____

● 100' 70° N 30° W
 500' 70° N 30° W
 STRIKE: 1000' 71° N 24° W
 DIP: _____
 DATE DRILLED: 21 October -

HOLE NO. 85-N-13
 PAGE NO. 1 of 6
 ● 2500' 51° N 14° W

PURPOSE: A deep test of 29, 35 & 36 Veins

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
0 - 74	0/B			
74 - 541	DEBRIS FLOW dark grey to pale brown rock massive porphyritic (feldspar white to flesh 1/16 - 1/8" size) numerous inclusions predominantly mafic with a few felsic (granitic) clasts size from 1/4" to 3"			
	286-288 f.g. drak brown mafic syenite dike with pink syenite rib parallel to core 1/8" wide			
	290-325 fractured numerous narrow 1/16 - 1/4" quartz veinlets cutting core at 30 to 80°/core some bleaching with a few sct dull red sections developed			
	348-358 fractured brecciated numerous grey quartz veinlets & stringers 1/4" - 1/2" wide mainly 60 - 80°/core several pale buff coloured altered sections 2" black, f.g. mafic dike at 45°/core possibly a fault zone at 45 - 60°/core			
541 - 661	510-541 alt. dull brick brown MAFIC SYENITE contact sharp at 20°/core variable texture coarse to fine dark grey to black at about 640 alteration colour change less dark colour change to grey to pale grey brown - spots of magnetite developed about 642-643 645-657 silicified, altered - fractured zone sericitic - black spots of blood red to black hematite, cut by swarm of qtz. stringers & veins being + 5% of core random angles from 0 to 60° several prominent layered grey to white veins at 60°/core a little 1% pyrite			
		645 - 650 3894	5.0	TR
		650 - 655 3895	5.0	0.02
		655 - 658 96	3.0	0.002
		658 - 661 97	3.0	Tr
661 - 724	QTZ. BIMODAL FELDSPAR PORPHYRY 707 - 708.5	42438	1.5	17 PPF
	709 - 710 altered sericitic + 2% irregular quartz filled fractures < 1% coarse pyrite			
724 - 741	MAFIC DIKE distinct grey colour f.g. to sections with pronounced black flecks of ferromagnesium mineral - 1/6" size cut by few white qtz. stringers 45°/core Contacts at 60°/core and altered			
741-1532	Q BIMODAL FELDSPAR PORPHYRY + 855 - 857 quartz flooded - 30% irregular quartz			

DRILLED BY: Heath & Sherwood Drilling

SIGNED: L. J. Cunningham

PROPERTY NEWFIELD MINERALS

HOLE NO. 85-N-13

LOCATION: _____

LATITUDE: _____

DEPARTURE: _____

ELEVATION: _____

STRIKE: _____

DIP: _____

DATE DRILLED: _____

PAGE No. 2 of 6

PURPOSE: _____

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
	745-750) few qtz. fractures	3898	5.0	Tr
	750-755) weakly altered	3899	5.0	Tr
	755-760	3900	5.0	Tr
	760-765	42401	5.0	Tr
	855-857 cut by swarm of irregular white qtz. veins (est. 7-10% qtz.) no no pyrite, no alteration	42402	2.0	Tr
741-1532 (cont'd)	QTZ. BI MODEL PORPHYRY variable shades of brown			
	994-996 40% white qtz. at 50°/core, brown alteration for several feet on each side	42403	2.0	Tr
	1090-1100 pale apple green coloured altered section phenocrysts subdued			
	1103 - 1" white qtz. @ 60°/core			
	1090-1095	42404	5.0	Tr
	1095-1100	42405	5.0	Tr
	1100-1105	42406	5.0	Tr
	1105-1110	42407	5.0	Tr
	1105-1110 scattered fine 1/16" qtz. fractures @ 60°/core			
	1117.5-1126.5 brown alteration zone pronounced brick brown colour scattered with introduction of fine stringers & blots of qtz. over 3.0 feet including a 1" fracture zone at 30°/core			
	1117.5-1122.5	42408	5.0	Tr
	1122.5-1126.5	42409	4.0	Tr
	1183.5-1185 2" white qtz. - 60°/core with green alteration	42410	1.5	Tr
	1184 and 1189 4" brick brown alteration associated with fine qtz. filled fracturing			
	1189-1190	42411	1.0	Tr
	1194-1195	42412	1.0	Tr
	1212-1215 2 x 1" qtz. white barren @ 45°/core minor bleaching (alteration)	42413	3.0	Tr
	1225.5-1228.5 greenish altered zone cut by approx. 6 fine qtz. fractures at 45 & 60°/core	42414	3.0	.002
	1340-1345 Fractured altered sections - 1" white qtz. vein at 45°/core plus few qtz. stringers Also chloritic slips - paler brown in colour - fine qtz. filled fractures random angles - phenocrysts largely destroyed	42415	5.0	Tr
1532 - 1554	MAFIC SYENITE dark grey with sparse dark blood red phenocrysts augite well developed in sections - contacts broken - angles undetermined			

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SIGNED _____

PROPERTY NEWFIELDS

HOLE NO. 85-N-13

LOCATION: _____
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STRIKE: _____
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 DATE DRILLED: _____

PAGE No. 3 of 6

PURPOSE: _____

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
1554-1555	Badly broken possibly fault or breakage on contact			PPB
1554-1622	Q. BIMOD PORPHYRY			
	1554-1560	42424	6.0	11
	1560-1565	42425	5.0	6
	1554-1665 broken few widely spaced 1/8 - 1/4" grey qtz. stringers 60 - 80°/core sparse coarse pyrite < 1% 1592-1597	42426	5.0	7
	1592.7 broken fracture few qtz. stringers greenish alteration			
1622-1710	MAFIC SYENITE dark variable textured coarse to fine magnetic fine sections have felsite ribs			
	1643-1645 Fault zone 30°/core 1" gouge 3 x 1/2 - 1" white late stage qtz.	42427	2.0	25
	1665-1690 coarse grained cut by wispy qtz. fractures 1696-1697	42428	1.0	8
	1697 - 3/4" rosy qtz. 90°/core			
1710-1719	GREYWACKE contact at 45° f.g. gritty occ. clast of black cherty I.F.			
	1715-1718 fine hairy fractures showing fine silicification alteration along fractures very restricted alteration along fracture pronounced buff coloured silicification in erratic patches at 1718-19 adjacent to a 1" banded qtz. vein at 60°/core			
1718-1724	MAFIC DIKE dark grey mottled appearance med. f.g. contact 60°/core			
	1723-1724 silicified adjacent to hairy like fractures			
	1715-1717	42429	2.0	12
	1717-1718	42430	1.0	17
	1718-1723	42431	5.0	10
	1723-1724	42432	1.0	22
1724-1740	GREYWACKE predominantly with some qtzite, grit siliceous silt			
	1726 f.g. black cherty looking 6" section may be sedimentary, alteration or intrusive?			
1740-1897	1740 CONGLOMERATE polymatic clast supported foliated 30°/core			
	1759 8" mafic dike, possibly lamprophyre at 80°/core with 3/4" white-pink qtz. veins grey salt/pepper appearance 1758-1759	42433	1.0	8
	1812-1820 pale green uniform coloured med. grained mafic dike			
	1820 4" highly silicified zone around intricate fine fracturing at 90°/core	42434	6"	8
	1833-1836 pale grey-brown (Lamprophyre?) motley dike much white qtz. veining introduced at 60-70° core Total about 6" 1833-1836	42435	3.0	40

sericitic in part

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PROPERTY NEWFIELD

HOLE NO. 85-N-13

LOCATION: _____
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PAGE NO. 4 of 6

PURPOSE: _____

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
1897-1900	SHEARED GREYWACKE sharp contact to sheared light grey greywacke with increasing shearing & fracturing to 1900			PPB
1900-1905	FAULT ZONE IN GREYWACKE sheared 45°/core some qtz. introduced & reddish felsipathic material less than 1-2% 1897-1900	42436	3.0	14
1905-1915	GREYWACKE massive unshattered 1.5 feet lost core 1900-1905	42437	5.0	10
1915-1916	8" MAFIC DIKE with magnetite clots chilled edges irregular 60-80°/core			-
1916-2280	CONGLOMERATE			
	2078-2081 dark brown mafic dike contacts 60°/core			
	2100 Fault zone 18" wide 4" gouge 12" qtz. veins			
	2113-2117 dark brown mafic dike few qtz. stringers			
	2200-2206 dark green lamprophyre dike cut by banded qtz. veins 3-5% qtz.	42440	5.0	15
	2210 2" white barren qtz. with hard pale brown alteration over 4"			
	2240 4" white qtz. brecciated			
2280-2296	TRACHYTE TUFF 2180-2185	42439	5.0	11
	2280-2285 brown in colour cut by scattered 1/16" very hard - dark qtz. fractures black to grey to brown fine grained laminated (bedded) 30°/core dark brown to pale creamy cherty horizon - very hard to black, very fine grained, material of medium hardness to a grey-green med. grained tuff with sparse small flattened 1/16 x 1/4" lappilli	42441	5.0	8
	2285-90	42442	5.0	23
	96	42443	6.0	7
	2295 possible fault	42444	3.0	11
2296-2300	ALTERED CONGLOMERATE pale green highly sericitized - clasts partially destroyed 2299-2303	42445	4.0	7
2300-2303	fine grained, pale green dense massive rock with sparse, scattered flesh coloured syenite inclusions Dike? or tuff? considered to be a dike 2303-2308	42446	5.0	14
	Contacts are conformable at 30° - 45°/core			
2303-2335	CONGLOMERATE AS BEFORE			
2335-2338	Dark, fine grained dike with conformable contacts which are chilled at 30°/core similar to 2300-2303			
2338-2650	CONGLOMERATE as above			
	Numerous flattened slab clasts 1/4" x 4" of very black, fine grained, silty material			
	2395-2404 sheared 2395 - 2400	42463	5'	7
	2404-2407 dike as 2335-2338 2400 - 2404	42464	4'	74
	2430-2441 sheared sericitic 2430 - 2435	42465	5'	10
	2500-2550 lighter coloured 2435 - 2441	42466	6'	8
	Considerable green fuschite as flattened, elongated clasts.			

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PROPERTY NEWFIELDS MINERALS

HOLE NO. 85-N-13

LOCATION: _____
 LATITUDE: _____
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STRIKE: _____
 DIP: _____
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PURPOSE: _____

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
	2635 becoming highly sheared carbonatized sericitized fuschitic Clasts becoming fewer and spaced out from clast supported to matrix supported PPB			
2600 - 2603	42447 3.0 67	2607.8 - 2610	42450 2.2	52
	2605 42448 2.0 11	- 2612	51 2.0	14
	2607.8 42449 2.8 12	- 2615	52 3.0	67
		- 2620	42467 5.0	10
		- 2625	68 "	19
		- 2630	69 "	10
		- 2635	70 "	17
		- 2640	71 "	10
		- 2645	72 "	14
		- 2650	73 "	12
		- 2655	74 "	15
		- 2660	75 "	12
		- 2665	76 "	11
		- 2670	77 "	8
		- 2675	78 "	10
		- 2680	79 "	8
		2681.5 - 2683	80 1.5	10
2650-2678	SHEARED, fine grained SEDIMENT 1/32" dia. quartz grains in sericitic matrix pale yellow green shearing 60°/core few chert fragments cut by few barren white qtz veins 2688 - 2690 fuchsitic highly contorted <1% coarse pyrite		42481 2.0	17
2678-3005	MAFIC TUFF dark to black generally fine grained with sections of lapilli tuff to 1" diameter clasts which are dark to purplish f.g. & porphyritic 2786 - 2787 3" barren white qtz, 90°/core 2850-2865 coarse grained, breccia variety of fragments both angular & rounded volcanic clastic conglomerate 2858-2860 pale grey, med. grained with pale green to grey to black phenocrysts sharp altered (sericitic) contacts at 90°/core Alteration is 1" - 3" wide a little coarse pyrite 2865-2970 f.g. pale grey to black bedded tuff at 80° - 90°/core occasional clast 2970-2976 coarse mafic lapilli tuff pale grey-black clasts generally angular		42482 1'	8
3005	END OF HOLE			

DRILLED BY Heath & Sherwood Drilling Ltd.

SIGNED L. J. Cunningham

PROPERTY Newfields Minerals Inc. Teck Township

HOLE No. N-85-13

LOCATION: _____
 LATITUDE: _____
 DEPARTURE: _____
 ELEVATION: _____

STRIKE: _____
 DIP: _____
 DATE DRILLED: _____

PAGE No. 6 of 6

PURPOSE: _____

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
2912.2-2913.8'	Quartz-feldspar veining	99664	1.6'	nil
2922-2925'	(Reworked mafic tuff, lightly sericitic, very fine)	99665	3.0'	nil
2925-2928'	(Disseminated pyrite, local pyrite nodules)	99666	3.0'	nil
2928-2931'	As above	99667	3.0'	10
2931-2934'	As above	99668	3.0'	10
2934-2937'	As above	99669	3.0'	nil
2937-2940'	As above	99670	3.0'	nil
2940-2943'	(Reworked mafic tuff, lightly sericitic, very fine, disseminated pyrite, local pyrite nodules)	99671	3.0'	nil
2943-2946'	As above	99672	3.0'	nil
2946-2949'	As above	99673	3.0'	10
2949-2952'	As above	99674	3.0'	nil
2952-2955'	As above	99675	3.0'	nil
2955-2958'	As above	99676	3.0'	nil
2958-2960.6'	As above	99677	2.6'	nil
2960.6-2963'	As above	5178	2.4'	nil
2963-2966'	As above	5179	3.0'	nil
2966-2969.8'	As above	5180	3.8'	nil
2969.8-2973'	Agglomeratic to lapilli tuff, local coarse pyrite	5181	3.2'	20
2973-2977.1'	As above	5182	4.1'	30
same 2977.1-2978.5'	As above	5183	1.4'	40
2995-2997'	As above	5183	2.0	40
2978.5-2980'	Same as at 2922-2969.8	5189	1.5'	90
2980-2983.5'	As above	5188	3.5'	30
2983.5-2986'	Agglomerate; numerous zone of coarse pyrite	5187	2.5'	30
2986-2989'	As above	5186	3.0'	70
2989-2992'	As above	5185	3.0'	40
2992-2995'	As above	5184	3.0'	100/170
2997-3001.6'	As above	5190	4.6'	60
3001.6-3003.6'	As above	5191	2.0'	50
3003.6-3005'	Fine-grained, massive or tuffaceous	5192	1.4'	20
SLUDGE VALUES NIL - 10 - 20 PPB EXCEPT:				
285 - 295	35	1645 - 1655	25	2235 - 2245 40
415 - 425	45	1745 - 1755	25	22425 - 2435 25
515 - 535	50	1775 - 1785	30	2475 - 2495 30
535 - 555	30	1835 - 1845	25	2505 - 2515 30
565 - 575	30	1865 - 1875	50	2825 - 2835 50
645 - 655	30	1875 - 1885	30	2985 - 3005 60
655 - 665	135	2095 - 2125	30	
665 - 675	30	2145 - 2165	30	
1385 - 1395	30	2175 - 2185	30	
1445 - 1455	25	2195 - 2215	40	

DRILLED BY: _____

SIGNED: _____

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-13
PAGE: 1

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
2912.2 - 2913.8'	Quartz-feldspar veining	99664	1.6	nil
2922 - 2925'	(Reworked mafic tuff; (lightly sericitic; very fine))99665	3.0	nil
2925 - 2928'	(disseminated pyrite; local (pyrite nodules)99666	3.0	nil
2928 - 2931'	As above	99667	3.0	10
2931 - 2934'	As above	99668	3.0	10
2934 - 2937'	As above	99669	3.0	nil
2937 - 2940'	As above	99670	3.0	nil
2940 - 2943'	As above	99671	3.0	nil
2943 - 2946'	As above	99672	3.0	nil
2946 - 2949'	As above	99673	3.0	10
2949 - 2952'	As above	99674	3.0	nil
2952 - 2955'	As above	99675	3.0	nil
2955 - 2958'	As above	99676	3.0	nil
2958 - 2960.6'	As above	99677	2.6	nil
2960.6 - 2963'	As above	5178	2.4	nil
2963 - 2966'	As above	5179	3.0	nil
2966 - 2969.8'	As above	5180	3.8	nil
2969.8 - 2973'	Agglomeratic to lapilli tuff; local coarse pyrite	5181	3.2	20
2973 - 2977.1'	As above	5182	4.1	30
2977.1 - 2978.5'	As above	5183	1.4	40
2995 - 2997'	As above	5183	2.0	40
2978.5 - 2980'	Same as at 2922 - 2969.8	5189	1.5	90
2980 - 2983.5'	As above	5188	3.5	30
2983.9 - 2986'	Agglomeratic; numerous zones of coarse pyrite	5187	2.5	30
2986 - 2989'	As above	5186	3.0	70
2989 - 2992'	As above	5185	3.0	40
2992 - 2995'	As above	5184	3.0	100/70
2997 - 3001.6'	As above	5190	4.6	60
3001.6 - 3003.6'	As above	5191	2.0	50
3003.6 - 3005'	Fine-grained, massive or tuffaceous	5192	1.4	20

AZIMUTH N 325°

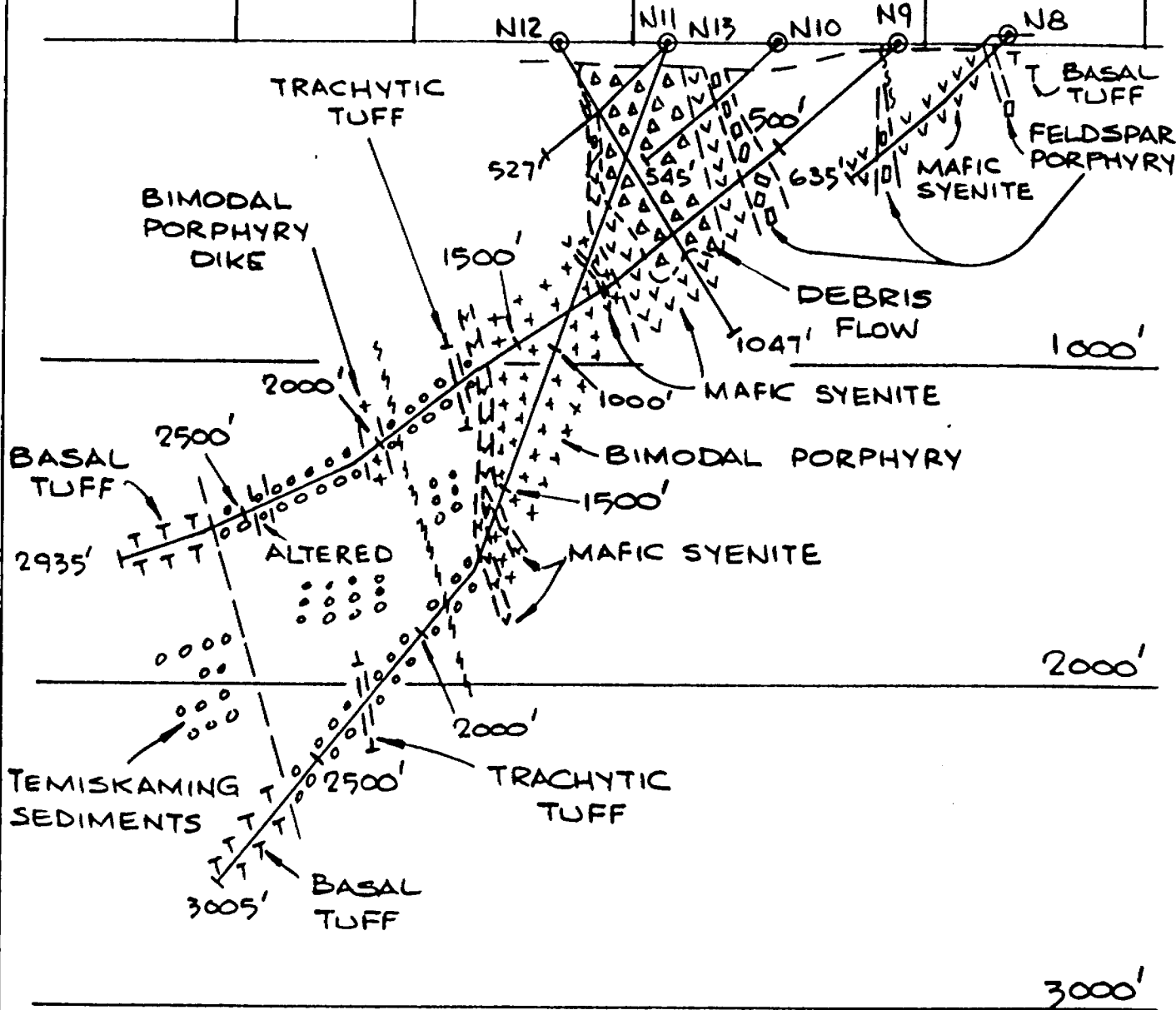
CLAIM
L-2515

CLAIM
L-39091

CLAIM
L-3442

CLAIM
L-1754

CLAIM
L-1939



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT
VERTICAL SECTION HOLES 85 - N8 TO 13 INCL
SCALE 0 500' 1000'

SUMMARY LOG

HOLE: N-85-14
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 338 degrees LOCATION: 146' @ N000 from #3 of L-2859
DIP: -75 degrees DATE DRILLED: Nov 11 - Dec 10, 1985
LOGGED BY: E Canova
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: To test 3054 zone and north contact area

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FOOTAGE	DESCRIPTION
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0 - 42'	OVERBURDEN
42 - 459.0'	DEBRIS FLOW
459.0 - 514.0'	MAFIC SYENITE
514.0 - 1415.1'	BIMODAL PORPHYRY
1415.1 - 1640.2'	MAFIC SYENITE
1640.8 - 2825.3'	TEMISKAMING SEDIMENTS
	1640.8 - 48.5' GREYWACKE
	1648.5 - 2882.2' CONGLOMERATE
	2270.0 - 74.1' Sheared, minor qtz veining, 1% py, 427 ppb Au over 4.1'
	2544.7 - 2761.6' Sericitic
	2756.5 - 57.3' Two 1/2" qtz veins, 188 ppb Au over 0.8'
2825.3 - 2902.2'	BASAL TUFF
	Generally fine ash tuff, locally agglomeratic
	3366.0 - 73.0' Sericitic, silicic, 2% py and qtz-fsp veinlets, 200 ppb Au over 7.0'
3492.9 - 3565'	KINOJEVIS VOLCANICS
	Light green, fine-grained, non-magnetic
3565'	END OF HOLE

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SIGNED:

DRILL LOG

HOLE: N-85-14
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 338 degrees LOCATION: 146' @ N000° from #3 of L-2859
DIP: -75 degrees DATE DRILLED: NOV 11 - DEC 10, 1985
LOGGED BY: E Canova
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: To test 3054 zone and north contact area

FOOTAGE	DESCRIPTION
0 - 42'	OVERBURDEN - Casing
42 - 459.0'	DEBRIS FLOW
126.5 - 137.5'	Highly silicic, hard, fragmented, numerous quartz and calcite veinlets
137.5 - 373'	weakly magnetic, < 5% pyrite stringers (disseminated fluorite 131 - 132') shearing, sericite and chlorite
156.5 - 158'	Greenish-grey to reddish-green, <1% feldspar phenocrysts and finer feldspar laths, quartz and calcite veining, fine to medium-grained, magnetic massive, <1% pyrite, several quartz and calcite veinlets, weak alteration, hematitic and chloritic
363.8 - 365'	Fluorite in qtz-cal vein
459.0 - 514.0'	Fracturing and filling with calcite, hematite and 1% pyrite, limonite
	MAFIC SYENITE
513 - 514'	Fine to medium-grained subhedral crystals, 5 mm, foliated due to shearing, magnetic, chloritic and carbonated, very few fine quartz and calcite veins, traces of pyrite
514.0 - 1415.1'	Altered, siliceous
	BIMODAL PORPHYRY
514.0'	Hematitic at contact with traces of pyrite
515.5 - 516.5'	Sheared, chloritic, 57 degrees
518.8 - 526'	Sheared and bleached, sericitic and pyrite along shear, 42 degrees, epidote?

FOOTAGE	DESCRIPTION
BIMODAL PORPHYRY (cont'd)	
581 - 588'	Sheared, bleached and cut by quartz veins, also blocky
665'	Shearing, 53 degrees
666 - 671'	Hematitic feldspar; weakly bleached
696.0 - 710.8'	BIOTITE LAMPROPHYRE - greenish-grey, chloritic, 10 - 15% biotite contact 60 degrees SE, fine-grained, weakly foliated 83 degrees SE, strongly magnetic, carbonated, sheared at 704' (12 degrees)
710.8 - 719.5'	Red porphyry, moderately hematitic
757'	2" shear zone, intruded by altered lamprophyre (sericitic, chloritic)
762.5 - 765.2'	FINE-GRAINED DIKE, hematitic nodules at contact
769.4 - 770.9'	DIKE as above with hematite nodules, 1 - 2%, pyrite contacts (quartz) 63 degrees
775.2 - 794'	Hematite porphyry
802.2 - 803.6'	Bleached porphyry, sheared at 53 degrees, sericitic and chlorite
829.7 - 831.1'	Silicified with quartz veins, sericitic, 3% pyrite in quartz veins, 70 degrees
872.4 - 872.7'	LAMPROPHYRE - weakly magnetic with fragments of porphyry, contacts 48 degrees, 5% biotite
972.9 - 975.2'	Moderately bleached, cut by small quartz veins, 20 degrees hematitic feldspar
976.6 - 983.9'	Strongly bleached and cut by numerous quartz veins, CA = 53 degrees and 70 degrees, alteration sericite and chlorite, traces of pyrite, weak carbonate
1318 - 1338'	Hematitic
1415.1'	Contact CA = 58 degrees
1415.1 - 1640.8'	MAFIC SYENITE
1415.1 - 1429.5'	Altered (baked) contact zone, sheared CA = 55 degrees
1531.5'	First felsic rib; becoming increasingly abundant down hole

FOOTAGE	DESCRIPTION
	MAFIC SYENITE (cont'd)
1599.8 - 1603.3'	Bleached, carbonated and siliceous, fine cal-chl veinlets, weakly sericitic
1640.8'	Contact CA = 35 degrees
1640.8 - 2825.3	TEMISKAMING SEDIMENTS
1640.8 - 1674.9'	GREYWACKE - fine to medium-grained, hard, siliceous, carbonaceous massive to weakly banded (18 degrees, 62 degrees) <5% biotite, fine calcium veinlets, <1% pyrite, moderately magnetic
1648.5 - 1674.9'	Very fine to medium-grained, greenish-grey to greyish-white, interbanded argillite (laminated) and greywacke hard, siliceous, cut by numerous fine quartz veinlets (69 degrees, NW) (bleached) minor displacements along veinlets also associated bleaching with them, 2% pyrite banding at 38 degrees, minor carbonate in places
1654 - 1654.5'	Bleached zone associated with 1/2" quartz vein (40 degrees)
1654.5 - 2882.2'	CONGLOMERATE - greenish-grey; clasts 3 mm to 20 cm, rounded, elongate and flattened, poorly sorted, matrix to cobble supported, foliation (relict bedding) 70 degrees, <1% pyrite
1805'	Bedding at 68 degrees
NOTE: 1843.5	From 1843.5 the conglomerate exhibits greater deformation especially seen within the matrix-biotite, quartz-feldspar-schist medium-grained
1853.5'	Schistosity, 66 degrees
1863.5 - 1987.6'	Conglomerate cut by numerous quartz-calcite veinlets with irregular patterns, some brecciation and quartz veining at 1880 - 1881.2'; 1888 - 1922.5'.
1853 - 2000'	Zone of conglomerate with numerous narrow lamprophyre dikes at 1853 - 56.5'; 1869 - 69.6'; 1872 - 73'; 1875 - 76.5'; 1904.5 - 06'; 1834.9 - 35.4'; 1943.7 - 49'; 1958.2 - 59.5'; 1960 - 61'; 1968.5'; 1996.3 - 98.7'; 1987.5 - 82.7'; 1984.1 - 87.6' 1987.5 - 82.7, 1984.1 - 87.6.

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FOOTAGE DESCRIPTION

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TEMISKAMING SEDIMENTS (cont'd)

2043 - 2049.7'	GREEN DIKE - chloritic, fine-grained, traces of pyrite, CA = 73 degrees
2108'	Bedding, 82 degrees
2113 - 2114.5'	LAMPROPHYRE DIKE - contact at 74 degrees
2139 - 39.5'	LAMPROPHYRE DIKE
2161.5 - 2162.2'	Shear zone, 87%
2172.3 - 2172.9'	LAMPROPHYRE DIKE - contact at 44 degrees SE
2205 - 2220.5'	LAMPROPHYRE DIKE, 73 degrees
2210	Bedding, 80 degrees
2243'	Bedding, 72 degrees
2250.6 - 2253.2'	Interstitial quartz and fine quartz veins, 1% pyrite
2270.0 - 2274.1'	Sheared, (parallel to foliation) conglomerate 78 - 86 degrees, some quartz veins, 1% pyrite, 427 ppb Au/4.1'
2277.9 - 2286.5'	Fine quartz veins, <3% pyrite
2290.4 - 2294.4'	5% disseminated pyrite in matrix, also at 2297 - 2302'
2423.5 - 2426.8' }	LAMPROPHYRE DIKE - quartz near contacts (67 degrees), fractures at 63 degrees, 2% pyrite at contacts
2432 - 2434' }	
2454.5 - 2456.7'	LAMPROPHYRE DIKE - contact at 79 degrees
2462'	Foliation, 80 degrees
2469.6 - 2477'	Greywacke, carbonated
2509.4 - 2512'	BIOTITE LAMPROPHYRE - contacts at 60 degrees
2532.4 - 2551'	TUFFACEOUS GREYWACKE - grey, fine-grained pink felsic fragments, (0.1-1 cm) green chlorite or fuchsite fragments (<10%) <1% pyrite, magnetic, quartz vein
2537.4 - 2544.7'	Lapilli tuff - felsic, grey to greenish buff, non-magnetic, sericitic, 15% green flat fragments (chlorite or fuchsite) foliated, 15 degrees
2544.7 - 2548.3'	Sericitic schist, felsic ash tuff, buff, fine-grained, foliated at 27 degrees

FOOTAGE

DESCRIPTION

TEMISKAMING SEDIMENTS (cont'd)

2548.3 - 2551'	Sericitic schist, felsic lapilli tuff, 8% green fragments, fuchsite
2551 - 2461.6'	CONGLOMERATE - sericitic, banded flow - textures, siliceous and felsic bands, stringers of sericite, chlorite and fuchsite, foliated at 15 degrees, jasper fragments, 1 - 2% pyrite
2756.5 - 57.3'	Two 1.2" qtz veins, 188 ppb Au over 0.8'
2761.6 - 2770.5'	GREYWACKE - medium-grained, weakly foliated, contact 19 degrees
2770.5 - 2818.5'	CONGLOMERATE - greyish green, quartz and feldspar veins
2809.7 - 2818.5'	Weakly sericitic, pale grown-green
2818.5 - 2821'	Sericitic greywacke
2821 - 2825.3'	Sericitic conglomerate schist, highly deformed, sheared, sericitized, yellow-green, numerous quartz veins
2825.3 - 3492.9	BASAL TUFF
2825.3 - 2837.3'	Sericitic tuffaceous sediment - light green, 1/2 cm fragments, quartz and feldspar veining, and bleached
2837.3 - 3275	Hematitic to chloritic, locally sericitic
2837.3 - 2858.2'	Lapilli tuff, foliated, greyish-green, 1 cm volcanic fragments (10 - 15%), magnetic and calcite, strongly bleached by quartz veins, sericitic, chloritic
2858.2 - 2863.3'	Sericitic agglomerate - greenish, buff, pyrite grains of 2 mm
2863.6 - 2878'	Sericitic schist/tuff, buff, foliated at 28 degrees
2878 - 2882.7'	Yellowish-red, hematitic
2902.3 - 2907.5'	Mafic agglomerate with some tuff horizons
3010.8 - 3068.3'	Mafic tuffaceous sediment, gritty-like, 1 mm subangular fragments
3068.3 - 3075.0'	GREY DIKE, foliated, 30 degrees to CA, porphyritic
3075.3 - 3112.5'	Mafic agglomerate with sections of finer gritty tuff
3112.5 - 3176'	Gritty mafic tuff with fine agglomerate sections
3158'	Foliated, 36 degrees

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FOOTAGE DESCRIPTION

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BASAL TUFF (cont'd)

3187.3 - 3190'	Sheared and blocky core 32 degrees
3227.3 - 3252'	Weakly carbonated, non-magnetic, purplish-grey mafic tuff, weakly bleached, fine quartz-feldspar, chlorite and sericite veinlets
3264.5 - 3272.6'	Brown tuff and agglomerate, sericitic
3272.6 - 3304.5'	Tuff and agglomerate, light green to brown, gritty, sericitic, bleached, cut by numerous chlorite and quartz-filled fractures, pyrite, 1 - 2%, felsic, fine quartz-chlorite vein
3304.5 - 3482'	Sericitic, very fine-grained, locally gritty and agglomeratic, numerous sericite, chlorite and quartz veins at 42 degrees, pyrite (2 - 4%), foliated at 34 degrees, weakly chloritic
3330.5 - 3351.4'	Chloritic and sericitic, greyish-green, sheared at 3338.5', pyrite clusters or veins, 3-4% quartz veins
3363 - 3379'	Intercalated brown crystal tuff - with sericite schist
3351.4 - 3418'	Sericitic tuff - yellow-green banded and some minor agglomerate and gritty sections, locally siliceous
3363 - 3379'	Crystal tuff with sericite schist
3366.0 - 73.0	Sericitic, siliceous tuff with 2% py and qtz-fsp veinlets, 200 ppb Au over 7.0'
3393 - 3416'	Fuchsite and sericitic banded alteration
3418 - 3482'	Banded sericitic and chloritic with disrupted banding and fracturing, broken fragments chlorite and quartz veining, very fine pyrite, brighter green sericite and fuchsite alteration, gritty section
3482 - 3492.9	BASAL GRIT - interbanded sericitic tuff and mafic pyroclastic, (agglomerate), green, foliated at 32 degrees, gradational contact with basement

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FOOTAGE	DESCRIPTION
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3492.9 - 3565'	KINOJEVIS VOLCANICS
	Fine-grained, amygdules and spherulites at top, pyrite 1%, non-magnetic
3492.8 - 3506'	Weakly altered, light green, sericitic, numerous chlorite stringer veinlets, pyrite 3 - 5% (as stringers), minor quartz veinlets
3565'	END OF HOLE

SURVEY TESTS

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	STRIKE	DIP
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Collar	338 degrees	-75 degrees
500'	346 degrees	-74 degrees
1000'	350 degrees	-75 degrees
1500'	355 degrees	-75 degrees
2000'	356 degrees	-75 degrees
2500'	353 degrees	-76 degrees
3000'	344 degrees	-69 degrees
3500'	342 degrees	-59 degrees

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SIGNED:

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-14
PAGE: 1

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
63.7 - 64.7'	Fractured debris flow	42483	1.0	6
97.5 - 98.5'	Sheared debris flow, trace pyrite	42484	1.0	11
126.0 - 131.0'	Debris flow, siliceous, quartz-calcite veins	42486	5.0	15
131.0 - 136.0'	Debris flow, siliceous, quartz-calcite veins	42487	5.0	11
136.0 - 138.0'	Debris flow, siliceous, quartz-calcite veins	42488	2.0	8
140.0 - 141.0'	Debris flow, fractured, trace pyrite	42490	1.0	19
149.5 - 150.5'	Debris flow, 2" quartz- calcite vein, trace pyrite	42491	1.0	8
302.5 - 303.5'	Debris flow, calcite stringer, less than 1% pyrite	42492	1.0	63
363.8 - 365.0'	Debris flow, fractured, calcite, ht, 1% pyrite	42494	1.2	3
370.0 - 371.0'	Debris flow, quartz-calcite vein, 1% pyrite	42493	1.0	8
498.5 - 500.0'	Mafic syenite, sheared, chlorite, pyrite	42495	1.5	29
513.0 - 515.0'	Contact of bimodal porphyry and mafic syenite	42496	2.0	89
515.0 - 517.0'	Sheared bimodal porphyry	5100	2.0	nil
518.8 - 523.0'	Bimodal porphyry, sheared and bleached, pyritic	42497	4.2	33
523.5 - 526.0'	Bimodal porphyry, bleached, 2% pyrite	42498	2.5	49
548.0 - 548.6'	Bimodal porphyry, bleached, sheared	42499	0.6	17
560.0 - 560.7'	Bimodal porphyry, bleached, sheared	49500	0.7	10
581.0 - 584.5'	Bimodal porphyry, sheared, bleached, quartz veins	49501	3.5	18
584.5 - 588.0'	Bimodal porphyry, sheared, bleached, quartz veins	49502	3.5	17
624.0 - 675.2'	Bimodal porphyry, bleached, quartz-carbonate veins	49503	1.2	12
628.7 - 629.7'	Bimodal porphyry, bleached	49504	1.0	21
630.7 - 631.7'	Bimodal porphyry, bleached	49505	1.0	7
654.0 - 654.7'	Bimodal porphyry, bleached	49506	0.7	8

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-14
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
656.8 - 657.5'	Bimodal porphyry, bleached	49507	0.7	19
658.0 - 658.7'	Bimodal porphyry, bleached	49508	0.7	10
668.0 - 669.0'	Bimodal porphyry, bleached	49515	1.0	7
695.7 - 696.3'	Bimodal porphyry contact with lamprophyre	49516	0.6	7
697.0 - 698.3'	Lamprophyre, several calcite veinlets	49517	1.3	8
710.6 - 711.1'	Bimodal porphyry contact with lamprophyre	49518	0.5	6
756.7 - 757.3'	Bimodal porphyry, 2" shear with lamprophyre	49519	0.6	11
762.4 - 763.0'	Lamprophyre	49520	0.6	12
764.8 - 765.3'	Lamprophyre	49521	0.5	11
769.2 - 771.0'	Lamprophyre, 1 - 2% pyrite	49522	1.8	34
802.0 - 803.8'	Bimodal porphyry, sheared, sericitic	49523	1.8	8
816.9 - 817.3'	Bimodal porphyry, bleached	49524	0.4	6
829.6 - 831.2'	Bimodal porphyry, quartz veining, sericitic, 3% pyrite	49525	0.6	67
836.6 - 836.9'	Bimodal porphyry, bleached, sheared, quartz-calcite veins	49526	0.3	14
839.0 - 839.5'	Bimodal porphyry, bleached, sheared, quartz-calcite veins	49546	0.5	14
839.5 - 841.8'	Bimodal porphyry, bleached, sheared, quartz-calcite veins	49527	2.3	14
843.1 - 844.3'	Bimodal porphyry, bleached, sheared, quartz-calcite veins	49528	1.2	15
863.1 - 864.1'	Bimodal porphyry, bleached, sheared, quartz vein	49529	1.0	18
872.3 - 872.9'	Lamprophyre	49530	0.6	37
972.7 - 975.3'	Bimodal porphyry, bleached, narrow quartz veins	49539	2.6	4
975.3 - 976.5'	Bimodal porphyry, bleached, numerous quartz veins	49540	1.2	3
976.5 - 977.6'	Bimodal porphyry, bleached, numerous quartz veins	49541	1.1	11
977.6 - 979.6'	Bimodal porphyry, bleached, numerous quartz veins	49542	2.0	52
979.6 - 981.1'	Bimodal porphyry, bleached, numerous quartz veins	49543	1.5	7

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-14
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
981.1 - 983.9'	Bimodal porphyry, bleached, numerous quartz veins	49544	2.8	4
1003.0 - 1003.9'	Bimodal porphyry, bleached, 1% pyrite, sheared	49545	0.9	10
1010.9 - 1011.1'	Bimodal porphyry, sheared, 1 - 2% pyrite	49548	0.2	8
1015.2 - 1015.6'	Bimodal porphyry, brecciated, quartz vein	49547	0.4	18
1015.6 - 1020.7'	Bimodal porphyry	99680	5.1	nil
1020.7 - 1025.0'	Bimodal porphyry	99681	4.3	nil
1040.8 - 1041.5'	Bimodal porphyry, shearing, quartz vein	49549	0.7	7
1045.0 - 1050'	Bimodal porphyry	99682	5.0	7
1050.0 - 1055.0'	Bimodal porphyry	99683	5.0	nil
1056.5 - 1056.7'	Bimodal porphyry, sericitic	49568	0.2	nil
1072.8 - 1073.6'	Bimodal porphyry, bleached quartz-calcite vein, 1 - 2% pyrite	49550	0.8	11
1077.8 - 1078.2'	Bimodal porphyry, pyritic fracture	49551	0.4	3
1088.3 - 1088.8'	Bimodal porphyry, bleached, chloritic, sericitic, 2% pyrite	49552	0.5	10
1102.5 - 1103.1'	Bimodal porphyry, bleached, sheared	49553	0.6	11
1104.1 - 1105.1'	Bimodal porphyry, bleached, sheared	49554	1.0	7
1121.5 - 1122.4'	Bimodal porphyry, bleached, sheared	49555	0.9	10
1125.2 - 1126.0'	Bimodal porphyry, bleached, sheared	49556	0.8	10
1132.1 - 1133.6'	Bimodal porphyry, bleached, sheared	49557	1.5	25
1134.7 - 1137.0'	Bimodal porphyry, bleached, silicic, quartz veins	49558	2.3	7
1145.5 - 1147.2'	Bimodal porphyry, bleached, sericitic, quartz-chlorite veins	49559	1.8	7
1157.7 - 1158.2'	Bimodal porphyry, sericitic, chloritic	49560	0.5	15
1212.5 - 1214.0'	Bimodal porphyry, breccia, silicic	49562	1.5	10
1234.2 - 1235.5'	Bimodal porphyry, breccia, calcite-chlorite filling	49563	1.3	19
1260.0 - 1260.4'	Bimodal porphyry, breccia, calcite-chlorite filling	49564	0.4	14

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-14
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
1274.5 - 1277.6'	Bimodal porphyry, bleached, quartz veining	49565	2.1	8
1338.0 - 1339.0'	Bimodal porphyry, bleached	49566	1.0	6
1345.5 - 1346.1'	Bimodal porphyry, breccia, chlorite, sericite, siliceous, 3% pyrite	49567	0.6	7
1416.0 - 1416.6'	Mafic syenite, altered contact zone	49570	0.6	22
1439.1 - 1439.9'	Mafic syenite, sheared, quartz-calcite veining	49571	0.8	10
1525.4 - 1525.8'	Mafic syenite, felsic ribs	11176	0.4	14
1531.1 - 1531.5'	Mafic syenite, felsic ribs	11177	0.4	4
1538.6 - 1538.9'	Mafic syenite, felsic ribs	11178	0.3	6
1541.1 - 1541.7'	Mafic syenite, felsic ribs	11179	0.6	16
1546.9 - 1547.3'	Mafic syenite, felsic ribs	11180	0.4	14
1548.9 - 1549.2'	Mafic syenite, felsic ribs	11181	0.3	34
1552.0 - 1552.4'	Mafic syenite, felsic ribs	11182	0.4	6
1563.5 - 1563.9'	Mafic syenite, light green siliceous vein	11183	0.4	4
1569.0 - 1569.5'	Mafic syenite, felsic ribs	11184	0.5	4
1571.8 - 1572.2'	Mafic syenite, felsic ribs	11185	0.4	4
1578.3 - 1578.7'	Mafic syenite, felsic ribs	11186	0.4	22
1599.8 - 1603.3'	Mafic syenite, bleached, carbonate-chlorite-quartz veins	49572	3.5	7
1640.6 - 1641.0'	Greywacke, contact with mafic syenite	49588	0.6	10
1648.3 - 1650.4'	Greywacke, siliceous fine quartz veinlets	49589	2.1	8
1650.4 - 1653.9'	Greywacke, siliceous, fine quartz veinlets	49590	3.5	8
1653.9 - 1654.6'	Greywacke, bleached	49591	0.7	10
1654.6 - 1659.6'	Conglomerate	49592	5.0	7
1659.6 - 1664.5'	Conglomerate	49593	5.0	10
1674.4 - 1675.4'	Conglomerate	49594	1.0	17
1683.3 - 1684.2'	Conglomerate, 2% pyrite, 1/2" quartz vein	49595	0.9	21
1689.8 - 1690.8'		49596	1.0	10
1708.0 - 1708.6'		49597	0.6	7
1726.0 - 1726.6'		49598	0.6	33
1750.5 - 1750.8'		49599	0.3	22

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-14
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
1767.4 - 1768.3'		49600	0.9	11
1786.7 - 1787.0'		11001	0.3	11
1852.0 - 1852.2'		11002	0.2	11
1852.8 - 1857.0'		11003	4.2	17
1857.0 - 1861.8'		11004	4.8	11
1861.8 - 1863.7'		11005	1.9	8
1863.7 - 1866.3'		11006	2.6	33
1866.3 - 1868.3'		11007	2.0	11
1868.3 - 1872.2'		11008	3.9	10
1872.2 - 1875.0'		11009	2.8	7
1875.0 - 1878.0'		11010	3.0	8
1878.0 - 1881.6'		11011	3.6	10
1881.6 - 1885.8'		11012	4.2	10
1885.8 - 1888.8'		11013	3.0	8
1893.5 - 1895.5'		11014	2.0	6
1896.9 - 1900.8'		11015	4.2	8
1902.4 - 1904.9'		11016	2.5	8
1908.5 - 1910.5'		11017	2.0	6
1912.9 - 1914.5'		11018	1.0	10
1918.7 - 1920.3'		11019	1.0	12
1920.3 - 1922.4'		11020	2.1	10
1924.5 - 1926.4'		11047	2.0	15
1928.3 - 1930.1'		11048	1.8	12
1930.1 - 1932.6'		11049	2.5	15
1934.9 - 1935.4'		11050	0.5	6
1946.0 - 1948.0'		11051	2.0	4
1949.0 - 1949.9'		11052	0.9	10
1951.3 - 1955.8'		11053	4.5	7
1959.5 - 1960.1'		11054	0.6	3
1961.0 - 1962.5'		11055	0.5	4
1964.1 - 1967.3'		11056	3.2	8
1969.1 - 1970.8'		11057	1.7	7
1971.1 - 1975.0'		11058	3.9	10
1976.0 - 1980.0'		11059	4.0	14
1981.5 - 1982.7'	Sheared lamprophyre with quartz veins	11060	1.2	59
1984.1 - 1987.6'	As above	11061	3.5	8
2005.5 - 2005.9'	As above	11062	0.4	89
2036.1 - 2036.8'		11063	0.7	10
2050.5 - 2051.5'		11064	1.0	19
2064.0 - 2064.7'		11065	0.2	22
2140.8 - 2141.9'		11066	1.1	8
2186.1 - 2188.3'		11067	2.2	12
2216.0 - 2216.9'		11068	0.9	14

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
2216.9 - 2219.3'		11069	2.4	12
2219.3 - 2221.5'		11070	2.2	22
2221.5 - 2226.0'		11071	4.5	11
2226.0 - 2228.9'		11072	1.1	12
2229.6 - 2230.0'		11073	0.4	8
2231.2 - 2231.8'		11074	0.6	18
2237.7 - 2238.2'		11075	0.5	14
2244.1 - 2245.2'		11076	1.1	15
2250.6 - 2253.2'		11077	2.6	10
2270 - 2274.1'	Sheared conglomerate, minor quartz veins, less than 1% pyrite	11078	4.1	427
2274.1 - 2277.9'	As above	11079	3.8	12
2277.9 - 2286.5'	As above	11080	3.3	25
2290.4 - 2294.4'	As above	11081	2.4	19
2295.5 - 2295.7'		11082	2.0	34
2311.8 - 2314.9'		11083	4.0	12
2330.8 - 2331.8'		11084	1.5	6
2335 - 2336.9'		11085	5.0	19
2303.5 - 2304.1'		11086	0.6	10
2330.2 - 2331.8'		11087	1.0	12
2335 - 2336.9'		11088	1.9	10
2339.5 - 2341.4'		11089	1.9	7
2347.4 - 2347.9'		11090	0.5	19
2350.9 - 2351.1		11091	0.2	12
2353 - 2353.8'		11092	0.8	4
2365.6 - 2367.3'		11093	0.5	15
2376.1 - 2377.1'		11094	1.0	6
		99691	5.0	10
		99692	5.0	10
2423.3 - 2423.7'		11157	0.4	12
2426.6 - 2427.1'		11158	0.5	19
2429.5 - 2430.2'		11159	0.7	3
2431.5 - 2432'		11160	0.5	4
2433.6 - 2434.9'		11161	0.3	12
2435.9 - 2438.5'		11162	2.6	10
2440.4 - 2441.6'		11163	1.2	7
2444.2 - 2445.0'		11164	0.8	6
2449.5 - 2451.8'		11165	2.3	7
2454.3 - 2454.8'		11166	0.5	7
2466.4 - 2457.1'		11167	0.7	12
2468.1 - 2469.6'		11168	1.5	10
2478 - 2478.5'		11169	0.5	11
2493.9 - 2495.6'		11187	1.7	8

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
2509 - 2509.5'		11188	0.5	4
2511.7 - 2512.1'		11189	0.4	26
2519.5 - 2520.6'		11190	1.1	6
2523.4 - 2524.2'		11191	0.8	59
2531.5 - 2532'		11192	0.5	8
2532 - 2532.6'		11193	0.6	11
2532.6 - 2537.6'		11194	5.0	11
2537.6 - 2542.6'		11195	5.0	6
2542.6 - 2544.6'		11196	2.0	8
2544.6 - 2548.3'		11197	0.7	18
2548.3 - 2551'		11198	2.7	6
2551 - 2556'		11199	5.0	12
2556 - 2561'		11200	5.0	10
2561 - 2566'		11201	5.0	8
2566 - 2571.0'		11221	5.0	18
2571 - 2575'		11222	4.0	7
2575 - 2577.8'		11223	1.2	36
2579 - 2581.7'		11224	2.7	55
2581.7 - 2585.7'		11225	4.0	25
2585.7 - 2586.5'		11226	0.8	14
2586.5 - 2589.7'		11227	3.2	21
2589.7 - 2590'		11228	0.3	11
2590 - 2592.9'		11229	3.2	8
2592.9 - 2593.4'		11230	0.5	8
2583.4 - 2598.7'		11231	5.3	17
2598.7 - 2599.3'		11232	0.5	8
2599.3 - 2601.8'		11233	2.5	44
2601.8 - 2602.5'		11234	0.7	60
2602.5 - 2607.5'		11235	5.0	74
2607.5 - 2612.5'		11236	5.9	14
2612.5 - 2617'		11237	4.5	10
2617 - 2623'		11238	6.0	7
2623 - 2628'		11239	5.0	15
2673 - 2673.6'		11240	0.6	47
2678 - 2678.3'		11241	0.3	23
2700.5 - 2702.0'		11242	1.5	49
		99693	7.0	10
		99694	1.5	nil
2711.5 - 2712.5'		11243	1.0	36
		99695	2.5	10
		99696	3.9	28
2718.9 - 2719.4'		11244	0.5	84
		99697	1.3	10
2720.7 - 2723.0'		11245	2.3	8

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
		99698	5.0	10
		99699	5.0	N.1
		99700	2.1	10
2740.4 - 2741.4'		11246	1.0	12
2749.1 - 2750.5'		11247	1.4	27
2754.9 - 2755.2'		11248	0.3	17
2756.5 - 2757.3'		11249	0.8	188
2764.9 - 2765.1'		11250	0.2	51
2766.4 - 2766.7'		11251	0.3	36
2767.2 - 2769.1'		11252	1.9	22
2770 - 2070.6'		11253	0.6	10
2771.2 - 2771.6'		11254	0.4	14
2772 - 2772.4'		11255	0.4	58
2775.7 - 2776.0'		11256	0.3	26
2776.8 - 2777.0'		11257	0.2	36
2809.5 - 2814.5'		11258	5.5	58
2814.5 - 2819.5'		11259	5.0	14
2819.5 - 2821'		11260	1.5	22
2821 - 2822'		11261	1.0	38
2822 - 2824.3'		11262	2.3	15
2824.3 - 2825.5'		11263	0.7	93
2825.5 - 2826.8'		11264	1.3	18
2826.8 - 2828.2'		11265	1.4	19
2828.2 - 2829.7'		11266	1.5	22
2829.7 - 2834.7'		11267	5.0	17
2834.7 - 2837.3'		11268	3.4	19
2837.3 - 2839.4'		11269	2.1	41
2839.4 - 2841.8'		11270	2.4	12
2841.8 - 2844'		11271	2.2	10
2844 - 2847.3'		11272	3.3	11
2851.2 - 2852.1'		11273	0.9	12
2858.2 - 2860.5'		11274	2.3	17
2860.5 - 2865'		11275	4.5	22
2865 - 2870'		11276	5.0	18
2870 - 2875'		11277	5.0	10
2875 - 2878'		11278	3.0	18
2878 - 2882.3'		11279	4.3	11
2935.5 - 2936.5'		11280	1.0	36
2973.9 - 2974.7'		11281	0.1	21
3096.3 - 3096.6'		11282	0.3	8
3074.9 - 3076.8'		11283	0.9	11
3095.4 - 3096.9'		11284	0.5	22
3135 - 3136.1'		11285	1.1	10
3193.1 - 3193.8'		11286	0.7	27

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
3251.7 - 3252.5'		11287	0.8	12
3255.4 - 3258.5'		11288	3.1	8
3258.5 - 3259.2'		11289	0.7	14
3259.2 - 3264.2'		11290	5.0	12
3276 - 3278'		11291	2.0	8
3278 - 3279.2'		11292	1.2	7
3279.2 - 3279.8'		11293	0.6	29
3279.8 - 3284.2'		11294	4.4	10
3289.5 - 3294.5'		11295	5.0	11
3294.5 - 3295.4'		11296	0.9	14
3295.4 - 3298.6'		11297	3.2	8
3298.6 - 3299.4'		11298	0.8	18
3299.4 - 3304.4'		11299	5.0	17
3304.4 - 3309.4'		11300	5.0	7
		11301	5.0	8
		11302	5.0	10
		11303	4.1	12
		11304	0.7	30
		11305	2.8	10
		11306	4.0	18
		11307	1.5	25
3332.5 - 3337.5'		11308	5.0	21
3337.5 - 3342.5'		11310	5.0	12
3342.5 - 3347.5'		11311	5.0	14
3347.8 - 3352'		11312	4.5	17
3352 - 3353'		11313	1.0	11
3353 - 3355.6'		11314	2.6	8
3355.6 - 3360'		11316	4.4	11
3360 - 3365'		11317	5.0	29
3365 - 3366'		11318	1.0	36
3366 - 3371'		11319	5.0	237
3371 - 3373'		11320	2.0	106
3373 - 3376'		11321	3.0	10
3376 - 3378'		11322	2.0	15
3378 - 3381'		11323	3.0	59
3381 - 3386'		11324	5.0	12
3386 - 3391'		11325	5.0	11
3391 - 3396'		11326	5.0	58
3396 - 3401'		11327	5.0	8
3401 - 3406'		11328	5.0	7
3406 - 3411'		11329	5.0	10
3411 - 3416'		11330	5.0	12
3416 - 3421'		11331	5.0	11
3421 - 3426'		11332	5.0	11

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-14
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
3426 - 3427.5'		11333	1.5	14
3427.5 - 3428.5'		11334	1.0	26
3428.5 - 3429.5'		11335	1.0	12
3429.5 - 3433'		11336	3.5	12
3433 - 3438'		11337	4.5	10
3437.5 - 3442'		11345	4.5	18
3442 - 3446'		11347	4.0	12
3450 - 3454'		11354	4.0	6
3454 - 3454.9'		11356	0.9	29
3454.9 - 3458'		11357	3.1	7
3458 - 3462.1'		11358	4.1	14
3462.1 - 3462.6'		11359	0.5	15
3462.6 - 3466.5'		11360	3.9	8
3466.5 - 3467.5'		11361	1.0	8
3467.5 - 3472'		11362	4.5	10
3472 - 3477'		11363	5.0	8
3477 - 3482'		11364	5.0	8
3489.8 - 3490.9'		11365	1.1	11
3492 - 3493.6'		11366	1.6	3
3493.6 - 3498'		11367	4.4	4
3498 - 3501.2'		11368	3.2	3
3501.2 - 3505'		11369	3.8	10

Testing Anomalous Sludge Areas

515.0 - 517.7'	QFP	005100	2.7	nil
1015.6 - 1020.7'	QFP, minor quartz filled fractures	99680	5.1	nil
1020.7 - 1025.0'	As above	99681	4.3	nil
1045 - 1050'	As above	99682	5.0	nil
1050 - 1055'	As above	99683	5.0	nil
2385.0 - 2390.0'	Conglomerate, grey, unaltered, less than 1% disseminated pyrite	99691	5.0	10
2390 - 2395'	As above	99692	5.0	10
2705 - 2710'	Sericitic, green altered conglomerate with green mica	99693	5.0	10
2710 - 1722.5'	As above	99694	1.5	nil
2711.8 - 2712.5'	Already samples			
2712.5 - 2715'	Sericitic, green altered conglomerate with minor green mica	99695	2.5	10

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-14
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	Au PPB
2715 - 2718.9'	As above	99696	3.9	20
2718.9 - 2719.4'	Already sampled			
2719.4 - 2720.7'	Sericitic, green altered conglomerate with minor green mica	99697	1.3	10
2720.7 - 2723.0'	Already sampled			
2723.0 - 2728.0'	Sericitic, green altered conglomerate with minor green mica	99698	5.0	10
2728.0 - 2733.0'	As above	99699	5.0	nil
2733.0 - 2735.0'	As above	99700	2.0	10

AZIMUTH N 338°

CLAIM
L-2874

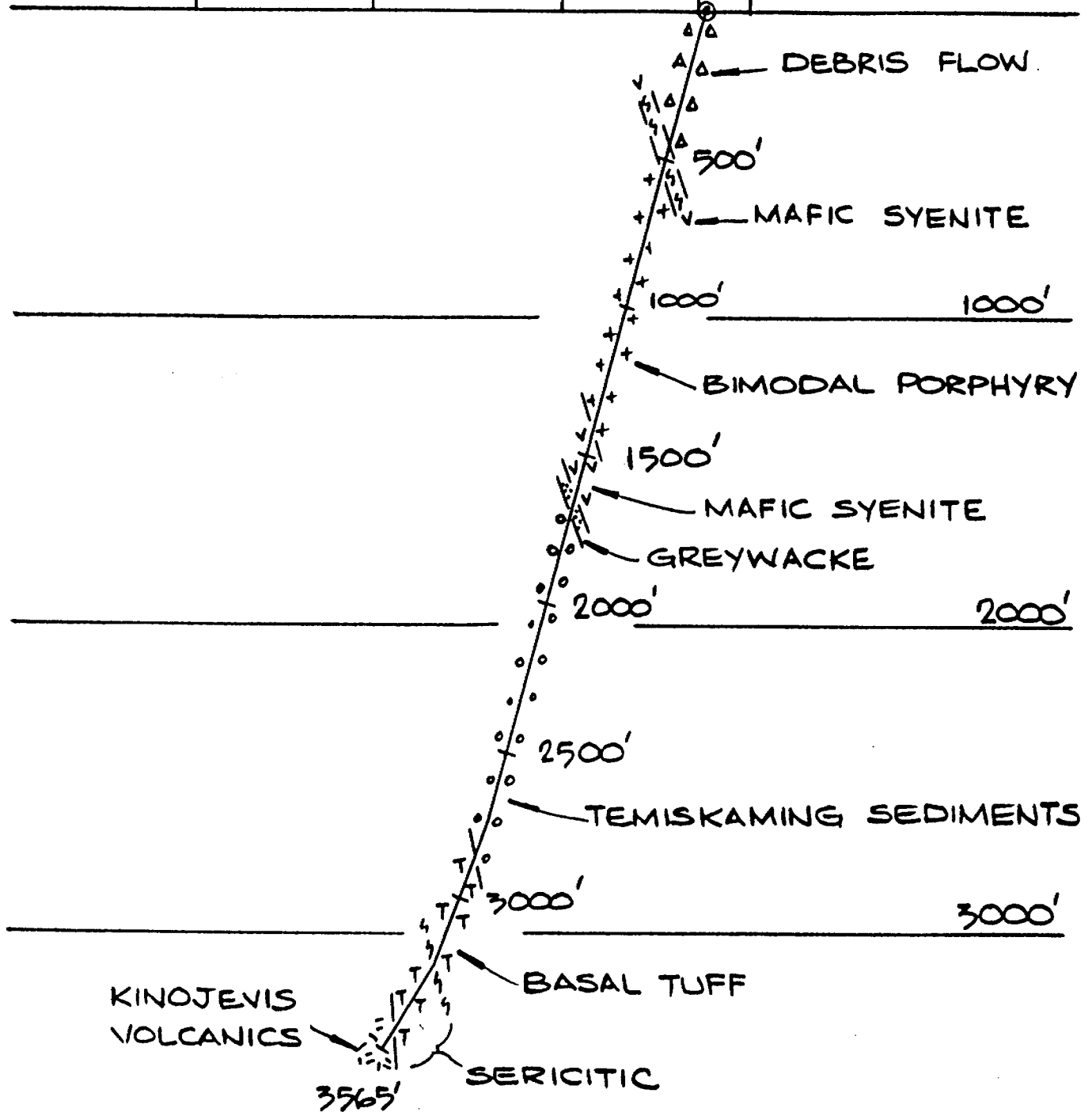
CLAIM
L-2624

CLAIM
L-39091

CLAIM
L-3442

CLAIM
L-2859

CLAIM
L-1939



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLE 85-N14
SCALE 0 500' 1000'

SUMMARY LOG

HOLE: N-85-15
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 330 degrees LOCATION: 480' @ N259° from #2 of L-2832
DIP: -75 degrees DATE DRILLED: Nov 14 - Dec 16, 1985
LOGGED BY: J Mucklow
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: To test western extensions of target zones

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FOOTAGE	DESCRIPTION
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0 - 13'	OVERBURDEN
13 - 152.4'	DEBRIS FLOW
	Feldspar-phyric, sheared lower contact with intrusive
152.4 - 1662.8'	MAFIC SYENITE
	Augite-phyric, magnetic, low to moderate pervasive carbonate, numerous chloritic slips LAMPROPHYRE DIKES, biotite-phyric, fine to medium- grained at: 955.7 - 958'; 959.8 - 961.2'; 973.3 - 976.5'; 989.6 - 994.1'; 1565.2 - 1568.1' MAFIC DIKES, fine-grained, locally feldspar-phyric (diabasic?) at: 970 - 973.3',; 1154.3 - 71.5'; 1415.3 - 34.2'; 1476.1 - 77.5'; 1488 - 95.4'; 1512.1 - 19.3'
1662.8 - 1692.3'	TRACHYTIC TUFF
	Ash to lapilli-sized grains; locally agglomeratic 1664.6 - 1679' Silicic, hematitic, carbonated, pyritic (locally to 2% py), 628 ppb Au over 1.8' at 1670.6 - 72.4'
1692.3 - 3170'	TEMISKAMING SEDIMENTS
	1692.3 - 1777' GREYWACKE/GRIT, locally conglomeratic
	1777 - 3159' CONGLOMERATIC - rounded elongate clasts, matrix to framework supported, local greywacke/grit intercalations
	2743.5 - 2747.0' Quartz-albite stockwork and sericite, 100 ppb Au over 3.4'

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FOOTAGE DESCRIPTION

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TEMISKAMING SEDIMENTS (cont'd)

2416.0 - 99.3') BIMODAL PORPHYRY DIKES
 2908.5 - 75.0') CA = 40 - 45 degrees, numerous
 quartz-feldspar veins
 3159 - 70' Transition zone, tuffaceous greywacke

3170 - 3519'

BASAL TUFF

Ash to lapilli-sized grains, locally agglomeratic,
 generally well bedded, CA = 30 - 50 degrees
 3170 - 3236') Moderately to strongly sericitic with
 3245 - 3261') numerous quartz-feldspar veins &
 3366 - 3518') stockworks, locally disseminated pyrite
 (<2%); 119 ppb Au over 4.6' at
 3376.0 - 80.6'
 3235.8 - 3245.0' DIABASE DIKE - chilled contacts
 CA = 40 degrees
 3421.6 - 24.2' Bleached tuff, 140 ppb Au over 1.2'
 3424.2 - 31.6' Agglomeratic, coarse disseminated py,
 110 ppb Au over 7.4'
 3431.6 - 32.8' LAMPROPHYRE DIKE(?) - altered,
 300 ppb Au over 1.2'
 3432.8 - 36.8' Agglomeratic, coarse disseminated py,
 110 ppb Au over 2.2'
 3483.4 - 89.6' Sericitic agglomerate, disseminated py,
 370 ppb Au over 2.6'
 3500.8 - 3517 BASAL GRIT - coarse disseminated py,
 locally to 20%; 220 ppb Au over 8.8'

3519 - 3618'

KINOJEVIS VOLCANICS

Locally plagioclase and/or augite-phyric
 Local intercalations of hyaloclastite

3618'

END OF HOLE

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SIGNED:

DRILL LOG

HOLE: N-85-15

PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 330 degrees LOCATION: 480' @ N259 from #2 of L-2832
 DIP: -75 degrees DATE DRILLED: Nov 14 - Dec 16, 1986
 LOGGED BY: J Mucklow
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE: To test western extensions of target zones

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FOOTAGE	DESCRIPTION
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=====

0 - 13	OVERBURDEN - Casing
13 - 152.3'	DEBRIS FLOW
	Minor qtz-carb-fsp stringers and veinlets randomly oriented, about 1 per 3" (CA = 55 - 70 degrees commonly)
	32.7 - 33.2' Finely banded, highly magnetic, argillaceous ironstone inclusion, folded bands contain tiny saddle-reef carb lenses with zones of py
	30 - 31', 40 - 42', 54 - 55' blocky
	152.3 - 152.4' Shearing along intrusive contact (CA = 50 degrees)
152.4 - 1662.8'	MAFIC SYENITE
	Moderately carbonated, local trace dissem. py assoc. with mafic minerals, numerous narrow chloritic and locally carbonated shears in random orientations
	152.4 - 177.5' Chilled, altered border zone
	177.5 - 200.5' Highly sheared zone of chlorite
	245.5' Marked decrease in frequency of shearing, becoming more massive coarser-grained with discreet shearing, commonly chloritic and carbonated
	324.5 - 325' Zone of shearing and brecciation filled with quartz-carbonate and local pyrite stringers
	351.4 - 354.4' 3 ft ground core-1 small fragment of massive py noted
	354.8 - 355.4' Brecciated zone, qtz-carb fracture filling
	367 - 391' Blocky
	670' Becoming coarser-grained
	955.7 - 958.0' MAFIC DIKE (lamprophyre?) - fine-grained, biotitic; minute fractures, commonly carbonated CA = 65 degrees lower contact not sheared, CA = 15 degrees

FOOTAGE

DESCRIPTION

MAFIC SYENITE (cont'd)

959.8 - 961.2'	MAFIC DIKE; upper contact CA = 25 degrees, lower contact CA = 27 degrees
970 - 973.3'	MAFIC DIKE (diabasic?) - feldspar- phyric, medium-fine grained; trace disseminated pyrite; upper contact chilled, CA = 45 degrees; lower contact sheared (not chilled) with carbonate, CA = 55 degrees
973.3 - 976.5'	MAFIC DIKE (lamprophyre?) - biotite- phyric, carbonate stringers, lower contact sheared; CA = 40 degrees
989.6 - 994.1'	MAFIC DIKE (lamprophyre?) - biotite- phyric, chilled, medium grained, centre; upper contact sheared and carbonaceous (bleached); CA = 35 degrees
1045.7 - 1096.9'	Zone of shearing and brecciation with numerous Qtz-carb stringers and veining; trace pyrite; CA = 20 degrees
1154.3 - 1171.5'	MAFIC DIKE (diabasic?) - medium-fine-grained, generally carbonated; upper contact indistinct; lower CA = 65 degrees; from 1154.3 - 1160 Contains pink siliceous blobs (up to 1/2") with carbonate spots within; trace pyrite mineralization associated with mafic minerals and carbonate-replaced minerals; from 1160 - 1171.5' Increasingly, carbonate selectively replaces minerals (feldspar?); increasing mineralization 1% pyrite associated with mafic (augite) phenos and carbonate- replaced minerals
1171.5 - 1227.7'	Brecciation and shearing well developed, locally intense, carbonate commonly associated with deformation
1191.5'	Becoming less deformed but pervasively carbonated
1200'	Becoming increasingly deformed (elongated phenos), remaining pervasively carbonated

FOOTAGE	DESCRIPTION
MAFIC SYENITE (cont'd)	
1205'	Strongly deformed, sheared; locally brecciated, strongly and pervasively carbonated; locally silicic
1207'	Very blocky, deformed, carbonated
1218 - 1227.7'	Becoming more competent but still strongly sheared, CA = 20 degrees; lower limit of shearing; CA = 25 degrees
1227.7 - 1236'	20% pervasive pink carbonate
1231.8'	Fractured, felsic zone (vein?) along narrow shear; CA = 25 degrees
1236 - 1240.5'	Pervasive red alteration associated with numerous narrow shears at various CA's; fractures carbonated
1240.5 - 1266'	Marked decrease in alteration except proximal to narrow shears
1284 - 1317'	Decreased felsic content; low carbonate content;
1317 - 1347.9'	1316.3 - 1316.5' Carbonated shear Increased felsic content; carbonate localized in fractures
1347.9 - 1348.3'	Felsic (granitic) xenolith
1348.3 - 1354'	Decreased feldspar content
1354 - 1415.3'	Increased feldspar; local shearing and brecciation commonly associated with carbonate
1415.3 - 1434.2'	MAFIC DIKE (diabasic?) - fine-grained zones with augite phenos; upper contact CA = 30 degrees 1% dissem py especially toward upper contact, several zones of reground core
1476.1 - 1477.5'	MAFIC DIKE (diabasic?) fine-grained; upper contact CA = 80 degrees; lower contact; CA = 45 degrees; very magnetic
1478.2 - 1478.4'	MAFIC DIKE - narrow, partially brecciated; related to dike at 1476.1'
1488 - 1496.4'	MAFIC DIKE (diabasic?) - very magnetic, chilled contacts upper CA = 60 degrees; lower 2' contains 1 - 30 mm blobs of feldspar/actinolite; central zone medium to coarse-grained augite-phyric
1512.1 - 1519.3'	MAFIC DIKE (diabasic?) - very magnetic, fine-grained; upper contact CA = 40 degrees; lower contact CA = 55 degrees; carbonate veins spaced 1 - 3"

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FOOTAGE	DESCRIPTION
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MAFIC SYENITE (cont'd)

1533.4 - 1534.5'	MAFIC DIKE - CA = 60 degrees
1577'	First red felsic rib; CA = 33 degrees
1565.2 - 1568.1'	SPOTTED GREEN DIKE (lamprophyre?) magnetic; contacts chilled; CA = 45 degrees
1571.2 - 1571.7'	Shearing and pink alteration with carbonate; CA = 60 degrees
1579.3 - 1579.7'	Shearing and pink alteration with carbonate; CA = 60 degrees
1583.5 - 1583.7'	Felsic rib, pink to red; CA = 40 degrees
1605 - 1662.8'	Pervasively carbonated
1607'	Felsic ribs becoming increasingly abundant; CA = 30 - 60 degrees but generally 40 - 45 degrees
1636.4 - 1637.4'	Qtz and carb veining in sheared and breccia zone; CA = 45 degrees
1652'	Becoming increasingly strained; CA = 30 degrees
1662.8'	Lower contact; CA = 33 degrees; 1" carb along sediment side
1662.8 - 1692.3	TRACHYTIC TUFF
1662.8 - 1692.3'	Ash tuff, very fine-grained; local intercalations of lapilli, generally less than 1% disseminated, magnetic
1664.6 - 1667.4'	Highly fractured with carb filling, highly hematitic and siliceous
1667.4 - 1679'	Very fine-grained containing felsic lapilli from 1 to 10 mm, locally concentrated, localized zones of fracturing with associated carbonate, sil, hematite and py
1670.6 - 72.4'	Zone of alteration with up to 2% py; CA = 30 degrees; 628 ppb Au over 1.8' (on strike with 3054 Zone?)
1679'	Coarsening downhole to lapilli then to ash tuff again
1683 - 16992.7'	Ash tuff, with lapilli at 1685.7 - 1686.5; 3-inch-wide hematitic and silicic zones with up to 1% pyrite; CA = 30 degrees
1691.8 - 1692.3'	Hematitic with silica right above contact; pyritiferous

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FOOTAGE DESCRIPTION

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1692.3 - 2416.0' TEMISKAMING SEDIMENTS

1692.3 - 1777' GREYWACKE - bedding well developed
CA = 45 degrees, pervasive carb,
locally siliceous and hematitic
particularly proximal to carbonate
fractures; disseminated pyrite;
local gradation to conglomerate

1697.5 - 1701.8' Zone of hematitic and siliceous
alteration with pervasive carb, numerous
carbonate fractures, and local quartz
stringers; disseminated pyrite

1702 - 1702.3' Qtz stringer stockwork with carb and
hematite; 1% pyrite

1702.9 - 1704.1' Zone of fracturing with quartz, hematite
carbonate alteration; 1% py

1704 - 1710' Grading to conglomerate

1710 - 1716.4' Sudden decrease in grain size grading to
conglomerate by 1713' then back to grit
until 1716.4

1716.4 - 1720' Greywacke grading into conglomerate

1720 - 1743.5' Greywacke to grit; generally sand-sized
grains with locally abundant pebbles

1740.1 - 1740.4' 1/4" carb vn with alt'n halo of 3% py
(1/2") CA = 30 degrees

1743.5 - 1757.7' Grit grading into greywacke

1754.4 - 1756.6' Zone of shearing bounded by breccia with
qtz-carb veining in centre (1755.5 -
1756') hematitic alteration common
within breccia zone

1757.7 - 1758.9' Argillaceous zone with intercalated
greywacke; bedding
CA = 30 - 35 degrees

1758.9 - 1777' Greywacke to grit; gradational
variations; becoming conglomeratic
toward 1777'

1777 - 2416.0' CONGLOMERATE - generally elongate
clasts, local intercalations of
greywacke/grit; carbonate
alteration spotted and restricted
to matrix; carbonate-filling common
in tension gashes in clasts and
in pressure shadows

1817.6 - 1819' Greywacke grading into grit then
conglomerate; upper bedding contact
CA = 35 degrees (younging up hole)

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FOOTAGE

DESCRIPTION

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TEMISKAMING SEDIMENTS (cont'd)

1956.5 - 1958.9' Intercalation of greywacke/grit
 1959.6 - 1960.6' Intercalation of greywacke/grit
 1989.8 - 1991.9' Intercalation of greywacke/grit;
 bedding CA = 40 degrees
 2089.3 - 2093.1' Intercalation of greywacke/grit
 2124.8 - 2131' Greywacke/grit
 2156.8 - 2157.1' Qtz-carb stkwk
 2160.8 - 2162.9' Greywacke/grit
 2201.7 - 2220.8' STRONGLY SERICITIC and sheared zone;
 CA = 15 - 20 degrees
 2219.4' stronger shear;
 CA = 10 degrees;
 local fuchsite slips
 2281 - 2291.3' Intercalation of greywacke/grit with
 local conglomeratic zones
 2306.7 - 2332.4' Intercalation of greywacke/grit

2416.0 - 2499.3 BIMODAL PORPHYRY DIKE

Upper intrusive contact CA = 45 degrees; local xenolithic
 fragments, numerous qtz-fsp veins/stringers, no sulfides;
 2427 - 89' Sericitic
 2495.4' Specularite in qtz vn

2499.3 - 2908.5' TEMISKAMING SEDIMENTS - CONGLOMERATE

2619.7 - 2642.2' Intercalation of greywacke/grit
 2742.7 - 2743' Carb vn; CA = 20 degrees; narrow
 brecciated fsp-filled zones between
 2743 - 2743.6'
 2743.6 - 2747.0' 100 ppb Au over 3.4'
 2785.5 - 2788.1' Greywacke/grit
 2794 - 2804.1' Greywacke/grit
 2806 - 2811' Greywacke/grit
 2866' Becoming increasingly deformed
 2875.2 - 2875.7' Narrow qtz-fsp breccia zone
 2884 - 2908.5' Zone of brecciation with localized
 shearing and local qtz-fsp filling

2908.5 - 2975' BIMODAL PORPHYRY DIKE

Upper intrusive contact CA = 40 degrees;
 numerous qtz stringers
 2938.5 - 2939.0' Fsp-chl breccia/shear zone;
 CA = 50 degrees
 2939 - 2941.1' Sericitic and sheared dike, pervasive
 carb, CA = 50 degrees
 2941.1 - 2975' Sericitic

FOOTAGE	DESCRIPTION
2975 - 3159'	TEMISKAMING SEDIMENTS - CONGLOMERATE
2976.1 - 2976.4'	Fracturing with qtz-fsp filling
2984.8 - 3007'	Greywacke/grit with local pebbles
3048.3 - 3056.4'	Greywacke/grit
3048.1'	1" qtz vnlt
3086'	Becoming increasingly fractured with carb filling and pressure shadows
3154.8 - 3155.4'	Fsp stringer; CA = 10 degrees
3158.3'	1" fsp veinlet; CA = 25 degrees
3159'	Bedding contact with greywacke; CA = 45 degrees
3159 - 3170'	TRANSITION ZONE - greywacke grading in to Basal Tuff, locally sericitic especially proximal to quartz-feldspar stringers, numerous within the Tuff
3170 - 3519'	BASAL TUFF
3170 - 3235.8'	SERICITIC AND SCHISTOSE; CA = 30 - 40 degrees
3174.4 - 3227.5'	Highly sericitic, numerous qtz-fsp veins; CA = 30 - 50 degrees
3226 - 3227.1'	Qtz-fsp veining in sheared breccia
3231.6 - 3235.8'	Pervasively carbonated, sericite localized in bands through 50% rock, chloritic
3235.8 - 3245.0'	DIABASE DIKE - massive, generally finely crystalline with numerous fsp micro-lites and local phenocrysts to 2 mm size lower contact CA = 40 degrees; altered at contact. Probably an eroded block from unconformity
3245.0 - 3261'	SERICITIC, sheared, pervasively carb, locally pyritic (over 2%)
3245 - 3252.3'	Sericite localized in bands; CA = 15 degrees
3252.3 - 3253.8'	Bleached grey, little sericite
3253.8 - 3256.4'	Very sericitic; numerous qtz-fsp veins and stringers generally parallel to schistosity
3256.4 - 3261.2'	Chloritic and sericitic; numerous qtz-fsp stringers
3259.9 - 3260.4'	Qtz-fsp veining; CA = 50 degrees, 1 band of fluorite crystals

FOOTAGE

DESCRIPTION

BASAL TUFF (cont'd)

3261 - 3366.5'	MAFIC TUFF - ash to lapilli, locally agglomeratic; pervasive carb, chloritic with orange-pink to dark green lapilli
3261 - 3268.3'	Agglomeratic - sericitic but decreasingly so downhole, becoming more bleached grey
3268.3 - 3273'	Decreasing alteration; CA = 45 degrees
3278.9 - 3279.1'	Fsp veining; CA = 50 degrees
3303.6 - 3303.9'	Qtz-fsp stringers; CA = 45 degrees
3305 - 3358'	Intermediate lapilli in mafic ash groundmass; lapilli preferentially carbonated; local narrow zones of sericite as halos bounding quartz-carbonate stringers
3341 - 3366.5'	Lightly hematitic, very soft
3366.5 - 3519'	SERICITIC; locally silicic schistose (CA = 40 - 50 degrees), local fuchsitic fragments, 1% py dissem, patchy hematitic zones to 3376'
3366.5 - 3369.6'	Becoming increasingly sericitic
3369.6 - 3403'	Strongly sericitic
3371 - 3376'	Core mixed up, numerous reground sections
3378 - 3380.6'	Numerous qtz-fsp stringers; no sulfides
3403 - 3408.1'	Tuff becoming decreasingly sericitic
3406.5 - 3408.1'	Highly siliceous
3408.1 - 3421.6'	Lapilli Tuff - preferentially altered by sericite
3413 - 3426'	Lapilli highly sericitic and locally siliceous
3421.6 - 3424.2'	GREY DIKE, lightly hematitic, sharp contacts; (CA = 60 - 65 degrees); 140 ppb Au over 2.6'
3424.2 - 3431.6'	Agglomerate; numerous pyritic zones in matrix (locally to 20%) - coarsely disseminated; 110 ppb Au over 7.4'
3431.6 - 3432.8'	LAMPROPHYRE DIKE; altered; 300 ppb Au over 1.2'
3432.8 - 3436.8'	Agglomerate as at 3424.2 - 3431.6'; numerous pyrite zones (coarse dissem); 110 ppb Au over 2.2'

FOOTAGE	DESCRIPTION
	BASAL TUFF (cont'd)
3436.8 - 3476.6'	Highly sericitic tuff; schistose (CA = 60 - 65 degrees), numerous narrow, generally conformable quartz-feldspar stringers
3476 - 3500'	Sericitic with common patchy hematitic zones
3483.4 - 3489.6'	Sericitic agglomerate with numerous pyritic (locally 10%) zones confined to matrix; 370 ppb Au over 2.6'
3485.8 - 3486.4'	CRYSTAL TUFF, hematitic fractures
3500.8 - 3517'	BASAL GRIT; becoming less altered; numerous pyritic zones (coarse) locally to 10% confined to matrix; 220 ppb Au over 8.8'
3517 - 3519'	Fine tuffs grading into fine foliated volcanics
3519 - 3618'	KINOJEVIS VOLCANICS
	Grading from fine - to very fine - to med-fine-grained
3544 - 3544.5'	Quartz and sericite zone
3448 - 3554'	Becoming porphyritic with 2 - 3 mm phenocrysts of plag and augite
3551 - 3551.5'	Quartz-sericite zone
3554 - 3556'	Becoming brecciated and grading into coarse hyaloclastite
3556 - 3563.3'	Coarse hyaloclastite (2 - 3 cm)
3563.3 - 3574'	Massive volcanics; numerous discreet carbonated fractures
3574 - 3607'	Massive volcanics, pervasively carbonated; local zones of qtz-carb fracture filling
3607 - 3618'	Mafic to intermediate massive volcanics; local to discreet carbonate fractures
3618'	END OF HOLE

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
32.7 - 32.2'	Ironstone clast in debris flow	49561		8
204.7 - 205.7'	Quartz-carbonate vein, trace pyrite in adjacent mafic syenite	49509		6
227.5 - 228.9'	Quartz-carbonate veinlet with carbonate-pyrite, halo in mafic syenite	49510		80
253.3 - 253.8'	Quartz-carbonate-sericite veinlet, trace pyrite, mafic syenite	49511		4
277.8 - 278.5'	Mafic syenite, quartz-carbonate-sericite vein, trace pyrite	49512		6
324.5 - 325.5'	Mafic syenite, shearing and breccia with quartz-carbonate-pyrite	49513		15
354.8 - 355.4'	Mafic syenite, quartz-carbonate-breccia	49514		12
400.5 - 461.3'	Mafic syenite, quartz-carbonate vein, no sulfides	49569		12
544.8 - 545.6'	As above	42485		8
671.7 - 671.5'	As above, but with trace pyrite	42489		19
714.8 - 715.3'	Mafic syenite, stockwork quartz-carbonate, trace pyrite	49531		7
775.7 - 776.3'	Mafic syenite, quartz-carbonate vein	49533		4
779 - 779.8'	As above	49532		6
811.3 - 811.8'	As above	49534		10
812.7 - 813.2'	As above	49535		18
874.9 - 875.5'	As above	49536		14
882.1 - 882.6'	As above	49537		11
887 - 887.9'	As above	49538		7
955.7 - 958'	Lamprophyre	49573		44
959.8 - 961.2'	As above	49574		15
970 - 973.3'	Feldspar-phyric mafic dike (diabasic?)	49575		8
973.3 - 976.5'	Lamprophyre	49576		29
987.9 - 988.8'	Mafic syenite, carbonate shear	49577		18

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
988.8 - 989.6'	As above	49578		3
989.6 - 990.8'	Lamprophyre	49579		4
990.8 - 992.8'	As above	49580		3
992.8 - 994.5'	As above	49581		6
1060.8 - 1061.5'	Mafic syenite, quartz-carbonate vein	49582		6
1095.6 - 1096.9'	Mafic syenite, shearing and breccia, quartz and carbonate vein	49583		8
1100.4 - 1100.9'	Mafic syenite, shear with quartz-carbonate	49584		4
1101.6 - 1102.2'	As above	49585		4
1154.3 - 1157.1'	Mafic dike (diabasic?)	49586		7
1157.1 - 1160'	As above	49587		4
1160 - 1163.2'	As above	11021		7
1163.2 - 1166'	As above	11022		7
1166 - 1168.9'	As above	11023		6
1168.9 - 1171.5'	As above	11024		7
1171.5 - 1173.7'	Mafic syenite, carbonated	11025		8
1173.7 - 1176'	As above	11026		4
1176 - 1178.2'	As above	11027		33
1178.2 - 1181'	As above	11028		6
1181 - 1183.5'	As above	11029		4
1183.5 - 1186'	As above	11030		15
1186 - 1188'	As above	11031		6
1188 - 1189.5'	As above	11032		7
1189.5 - 1192'	As above	11033		11
1192 - 1194.9'	As above, but deformed	11034		10
1149.9 - 1197.3'	Mafic syenite, carbonated, deformed	11035		7
1197.3 - 1200'	As above	11036		10
1200 - 1205'	As above	11037		7
1205 - 1207.4'	As above	11038		7
1207.4 - 1210'	As above	11039		7
1210 - 1211.5'	As above	11040		14
1211.5 - 1213.5'	As above	11041		11
1213.5 - 1214.7'	As above	11042		8
1214.7 - 1215'	As above	11043		11
1215 - 1216'	As above	11044		8
1216 - 1218.6'	As above	11045		8
1218.6 - 1223.4'	As above	11046		10
1223.4 - 1227.7'	As above	11096		7
1230.5 - 1232'	Mafic syenite, fractured felsic zone	11097		3

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
1236 - 1238.2'	Mafic syenite, red alteration and fracturing	11098		4
1238.2 - 1240.5'	As above	11099		3
1316.2 - 1316.8'	Mafic syenite, carbonated shear	11100		3
1415.3 - 1417.6'	Mafic dike (diabasic?) less than 1% pyrite	11101		6
1417.6 - 1420.1'	As above	11102		4
1420.1 - 1422'	As above	11103		11
1422 - 1424.6'	As above	11104		21
1424.6 - 1427'	As above	11105		4
1427 - 1429.5'	As above	11106		8
1429.5 - 1432'	As above	11107		4
1432 - 1434.2'	As above	11108		8
1476.1 - 1477.5'	As above	11109		21
1477.5 - 1479.3'	Mafic syenite, sheared and carbonated	11110		10
1479.3 - 1481.5'	As above	11111		10
1499.1 - 1499.6'	As above, but with carbonated vein	11112		15
1512.1 - 1515'	Mafic dike (diabasic?)	11113		6
1515 - 1517.3'	As above	11114		8
1517.3 - 1519.3'	As above	11115		8
1527 - 1527.6'	Mafic syenite; quartz-carbonate breccia	11116		12
1535.3 - 1536'	Mafic syenite, carbonated vein	11117		18
1557 - 1557.2'	Mafic syenite, felsic rib	11118		4
1571.2 - 1571.7'	Mafic syenite, shearing and pink alteration	11119		7
1579.3 - 1579.7'	As above	11120		59
1583.3 - 1583.8'	As above with felsic rib	11121		23
1607.7 - 1608.2'	As above	11122		6
1615.4 - 1615.9'	As above	11123		4
1618.5 - 1619'	As above	11124		11
1623.3 - 1624.1'	As above	11125		10
1625.3 - 1623.7'	As above	11126		11
1626.2 - 1626.6'	As above	11127		3
1630.3 - 1630.7'	As above	11128		6
1631.3 - 1631.7'	As above	11129		3
1632 - 1632.5'	As above	11130		3
1643.1 - 1634.4'	Mafic syenite, felsic rib	11131		7

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
1635.2 - 1635.6'	As above	11132		7
1636.4 - 1637.4'	Mafic syenite, quartz-carbonated veining in brecciated shear	11133		8
1638.7 - 1639.1'	Mafic syenite, felsic dike	11134		8
1639.6 - 1640'	As above	11135		7
1641.2 - 1641.7'	As above	11136		6
1641.9 - 1642.2'	As above	11137		6
1643 - 1643.4'	As above	11138		12
1643.6 - 1644'	As above	11139		4
1644.6 - 1645'	As above	11140		26
1646.4 - 1646.7'	As above	11141		8
1647.1 - 1647.5'	As above	11142		21
1647.9 - 1650.7'	As above	11143		11
1662.4 - 1663.2'	Carbonate contact of mafic syenite with tuff	11144		11
1664.6 - 1667.4'	Tuff, hematitic and siliceous; less than 1% pyrite	11145		19
1667.4 - 1670.6'	As above	99678		nil
1672.4 - 1676.3'	As above	99679		nil
1670.6 - 1672.4'	Tuff, lightly altered with 2% pyrite	11146		628
1676.3 - 1677.5'	Tuff, lightly altered	11147		81
1685.7 - 1687.5'	Tuff, hematitic and siliceous	11148		15
1691.8 - 1692.3'	As above with pyrite	11149		27
1697.5 - 1700'	Greywacke, hematitic and siliceous, disseminated pyrite	11150		7
1700 - 1702'	As above	11151		7
1702 - 1702.3'	Greywacke, quartz stockwork, carbonate and hematitic	11152		6
1702.9 - 1704.1'	Greywacke, fracturing, quartz, hematitic, carbonated, pyrite alteration	11153		10
1705.2 - 1706.4'	Greywacke	11154		8
1716.4 - 1716.7'	As above	11155		38
1720 - 1720.6'	As above	11156		7
1740 - 1740.5'	Greywacke, carbonated vein with 3% pyrite halo	11170		11
1754.4 - 1755.5'	Greywacke, shearing, quartz-carbonate breccia, hematitic	11171		4

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
1755.5 - 1756'	As above	11172		6
1756 - 1756.6'	As above	11173		10
1747.3 - 1797.9'	Conglomerate; quartz-carbonate stockwork	11174		10
1880.5 - 1881.5'	As above	11175		77
2156.6 - 2157.2'	As above	11202		21
2201.7 - 2204.8'	Conglomerate, sericitic and sheared, local fuchsite	11203		38
2204.8 - 2206'	As above	11204		43
2206 - 2209'	As above	11205		29
2209 - 2211.4'	As above	11206		81
2211.4 - 2213.9'	As above	11207		26
2213.9 - 2216'	As above	11208		17
2216 - 2218'	As above	11209		19
2218 - 2220.8'	As above	11210		14
2308 - 2308.8'	Greywacke, stockwork quartz-feldspar carbonate	11211		11
2416.5 - 2417.1'	QFP: quartz-feldspar veins	11212		8
2419.1 - 2420.1'	As above	11213		10
2430.2 - 2431'	As above with sericite	11214		6
2438.8 - 2439.4'	QFP: quartz-feldspar veins, sericitic	11215		4
2451.2 - 2451.6'	QFP: quartz-feldspar veins	11216		7
2473.6 - 2474.6'	As above	11217		6
2486.5 - 2487.9'	As above	11218		8
2490 - 2490.4'	As above	11219		12
2495.1 - 2496.4'	As above with specularite and pyrite	11220		7
2742.7 - 2743.6'	Conglomerate, carbonated vein and feldspar breccia	11315		17
2736.5 - 2739.5'	Conglomerate, anomalous sludge	99684		nil
2739.5 - 2742.7'	As above	99685		nil
2743.6 - 2747'	As above	99686		100
2747 - 2715.5'	As above	99687		10
2751.5 - 2755.5'	As above	99688		nil
2806 - 2811'	Greywacke, anomalous sludge	99689		20
2811 - 2816'	Conglomerate, anomalous sludge	99690		10
2875.7 - 2875.7'	Quartz-feldspar breccia in conglomerate	11338		21

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2884 - 2887'	Conglomerate, breccia and shearing with quartz-feldspar	11346		10
2887 - 2891'	As above	11348		10
2891 - 2893'	As above	11349		11
2893 - 2896'	As above	11350		2
2896 - 2899'	Conglomerate, breccia and shearing, quartz-feldspar	11351		2
2899 - 2900.5'	As above	11339		8
2900.5 - 2904.5'	As above	11353		7
2904.5 - 2908.5'	As above	11355		14
2909 - 2909.8'	QFP: quartz-feldspar veins	11340		6
2914.5 - 2916.7'	As above	11341		4
2919.8 - 2920.7'	As above	11342		3
2922 - 2922.5'	As above	11343		19
2932.9 - 2933.7'	As above	11344		7
2938.5 - 2939'	As above	11370		4
2939 - 2941.1'	Sericitic and sheared meta sedimentary xenolith	11371		7
2976.1 - 2976.4'	Conglomerate, fracturing with quartz-feldspar	11372		4
3084 - 3084.4'	Conglomerate, quartz veinlet	11373		7
3154.8 - 3155.4'	Conglomerate, feldspar stringer	11374		7
3158.3 - 3158.7'	Conglomerate, feldspar veinlet	11376		7
3162.3 - 3163.8'	Greywacke, locally sericitic	11499		6
3163.8 - 3166'	As above	11500		7
3166 - 3169.4'	Tuff, locally sericitic	11804		12
3168.4 - 3170'	Tuff, quartz-feldspar vein	11805		14
3170 - 3171.7'	Sericitic and schistose tuff	11806		8
3171.7 - 3174.7'	As above	11807		8
3174.7 - 3175.6'	As above with quartz-feldspar stringers	11808		40
3175.6 - 3176.8'	As above	11809		14
3176.8 - 3179.6'	As above	11810		14
3179.6 - 3181.6'	As above	11811		11
3181.6 - 3182.9'	As above	11812		18
3182.9 - 3186.9'	As above	11813		11
3185.9 - 3186.3'	As above	11814		18

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-15
PAGE: 7

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
3186.3 - 3190.5'	Sericitic and schistose tuff, quartz-feldspar stringers	11815		21
3190.5 - 3193'	As above	11816		10
3193 - 3194.1'	As above	11817		12
3194.1 - 3196.7'	As above	11855		45
3195.7 - 3198.4'	Sericitic altered tuff with quartz-feldspar stringers	11818		12
3198.4 - 3202.3'	As above	11819		11
3202.3 - 3204'	As above	11854		8
3204 - 3204.9'	As above	11820		10
3204.9 - 3208'	As above	11821		11
3208 - 3209.7'	As above	11822		12
3209.7 - 3212.4'	As above	11823		12
3212.4 - 3214.4'	As above	11824		10
3214.4 - 3216.8'	As above	11825		8
3216.8 - 3218.4'	As above	11826		27
3218.4 - 3219'	As above	11827		10
3219 - 3222'	As above	11828		8
3222 - 3224.5'	As above	11829		15
3224.5 - 3226	As above	11830		12
3226 - 3227.1'	As above	11831		14
3227.1 - 3229.5'	As above	11832		4
3229.5 - 3231.6'	As above	11833		3
3231.6 - 3223.5'	As above	11834		3
3233.5 - 3235.8'	As above	11836		11
3245 - 3247.5'	As above	11837		4
3247.5 - 3249.4'	As above	11838		10
3249.4 - 3252.3'	As above	11839		15
3252.3 - 3253.8'	As above	11840		82
3253.8 - 3255.5'	As above	11841		11
3255.5 - 3256.4'	As above	11842		6
3256.4 - 3257.6'	As above	11843		6
3257.6 - 3259.9'	As above	11844		11
3260.4 - 3261'	As above	11845		10
3261 - 3265'	Numerous quartz-carbonated stringers, mafic lapilli tuff	11846		11
3265 - 3268.3'	As above	11847		7
3268.3 - 3270.8'	Mafic lapilli tuff	11848		6
3270.8 - 3273'	As above	11849		10
3278.9 - 3279.1'	Mafic lapilli tuff	11850		12
3303.6 - 3303.9'	As above	11851		11

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-15
PAGE: 8

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
3309.6 - 3310.1'	As above	11852		6
3364.5 - 3366.5'	As above	11853		10
3366.5 - 3369.6'	Sericitic altered tuff/sediment	11856		15
3369.6 - 3370.3'	As above	11857		32
3370.3 - 3370.9'	As above	99601		10
3370.7 - 3371.7'	As above	99602		7
3371.7 - 3376'	As above	11858		21
3376 - 3380.6'	As above	11859		119
3380.6 - 3383.5'	As above	11860		33
3383.5 - 3387.7'	Sericitic altered tuff/sediment	11861		30
3387.7 - 3389.4'	As above	11862		14
3389.4 - 3392.6'	As above	11863		12
3392.6 - 3398.8'	As above	11864		10
3398.8 - 3403.2'	As above	11865		10
3403.2 - 3406.5'	As above	11866		14
3406.5 - 3408.1'	As above	11867		15
3408.1 - 3410.4'	As above	11868		8
3410.4 - 3410.9'	As above	11869		29
3410.9 - 3413'	As above	11870		8
3413 - 3416'	As above	11871		10
3416 - 3418.7'	As above	11872		14
3418.7 - 3421.6'	Sericitic altered tuff/sediment	11873		48
3421.6 - 3424.2'	As above	11874		140
3424.2 - 3426'	As above	11875		30
3426 - 3429.5'	As above	11876		130
3429.5 - 3431.6'	As above	11877		140
3431.6 - 3432.8'	As above	11878		300
3432.8 - 3434.6'	As above	11879		nil
3434.6 - 3436.8'	As above	11880		110
3436.8 - 3441.4'	As above	11881		30
3441.4 - 3443.4'	As above	11882		nil
3443.4 - 3446'	As above	11883		nil
3446 - 3447.8'	As above	11884		nil
3447.8 - 3450.1'	As above	11885		nil
3450.1 - 3452.8'	As above	11886		nil
3452.8 - 3456'	As above	11887		nil
3456 - 3458'	Sericitic altered tuff/sediment	11888		nil
3458 - 3461.1'	As above	11889		nil
3461.1 - 3466'	As above	11890		nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-15
PAGE: 9

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
3466 - 3469.2'	As above	11891		nil
3469.2 - 3471.1'	As above	11892		10
3471.1 - 3473.6'	As above	11893		nil
3473.6 - 3476.6'	As above	11894		nil
3476.6 - 3480.6'	As above	11895		nil
3480.6 - 3483.4'	As above	11896		nil
3483.4 - 3486'	As above	11897		370
3486 - 3489.6'	As above	11898		30
3489.6 - 3491.8'	As above	11899		nil
3491.8 - 3493.8'	Sericitic altered tuff/sediment	11900		nil
3493.8 - 3496'	As above	99603		nil
3496 - 3498.3'	As above	99604		nil
3498.3 - 3500.8'	As above	99605		nil
3500.8 - 3503.8'	Agglomerate (basal grit)	99606		30
3503.8 - 3507.3'	As above	99607		120
3507.3 - 3509.6'	As above	99608		480
3509.6 - 3512.6'	As above	99609		140
3512.6 - 3517'	Agglomerate (basal grit)	99610		30
3517 - 3519'	Sericitic tuff/sediment	99611		10
3544 - 3544.5'	Massive mafic volcanic	99612		nil
3551 - 3551.4'	As above	99613		nil
3582.5 - 3583.9'	As above	99614		nil
3587.1 - 3587.8'	As above	99615		nil

AZIMUTH N 330°

CLAIM L-3090

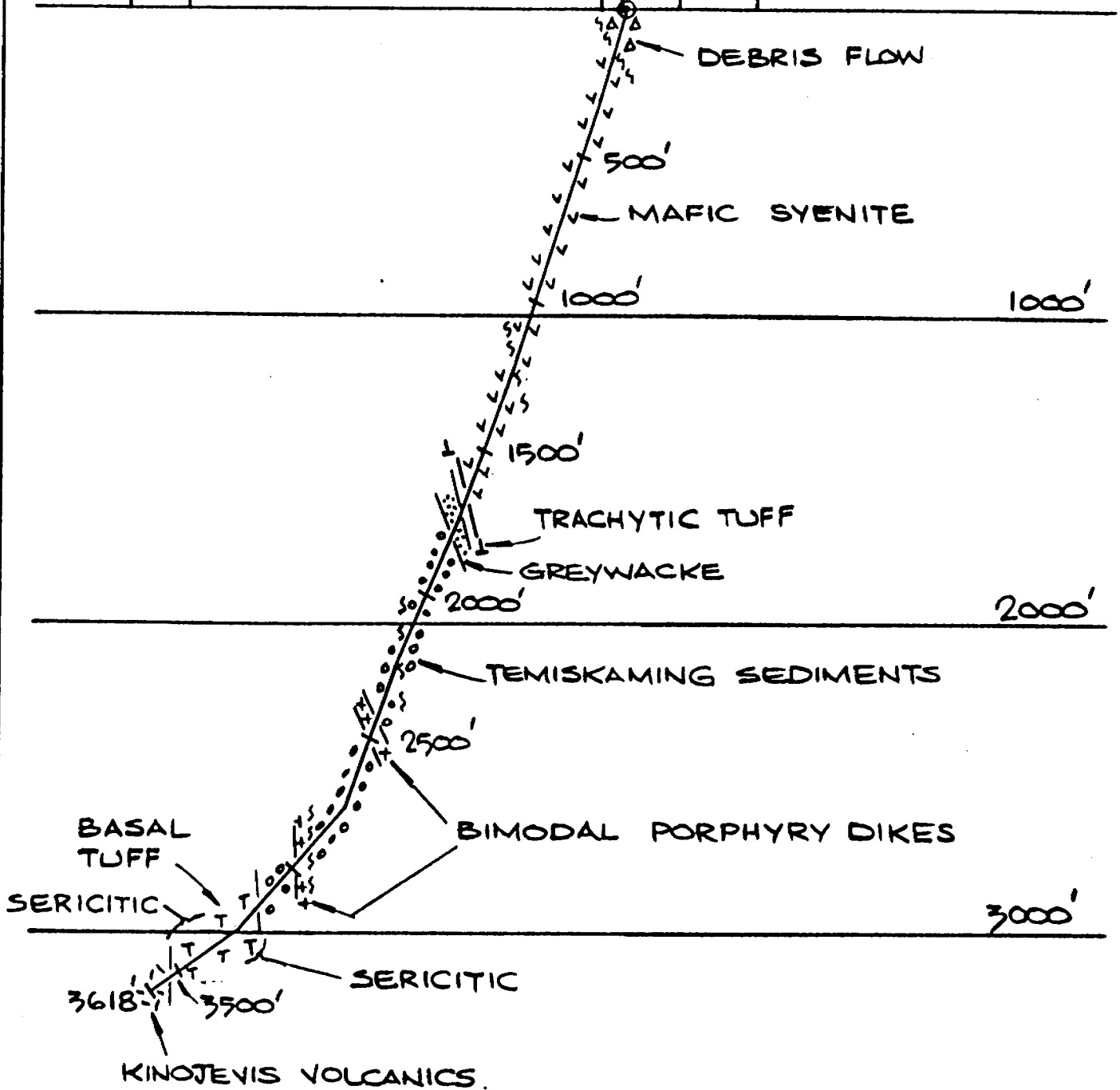
CLAIM L-2516

CLAIM L-29604

CLAIM L-2832

CLAIM L-1825

CLAIM L-1825



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLE 85-N15
SCALE 0 500' 1000'

SUMMARY LOG

HOLE: N-85-16,A,B

PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 330 degrees LOCATION: 410' @ N062 from #2 of L-3301
 DIP: -75 degrees DATE DRILLED: Dec 15/85 - May 4/86
 LOGGED BY:
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE: To test 3054 zone and beyond

FOOTAGE

DESCRIPTION

FOOTAGE	DESCRIPTION
0 - 39'	OVERBURDEN
39 - 98.0'	TRACHYTIC TUFF Ash to lapilli tuff, locally agglomeratic, very well bedded; CA = 25 - 30 degrees
98.0 - 2460.0'	MAFIC SYENITE
98.0 - 320'	Numerous felsic ribs, decreasingly abundant downhole
126.0 - 143.0'	FELDSPAR PORPHYRY DIKE - sharp contacts; CA = 35 degrees
359.0 - 364.5'	LAMPROPHYRE - fine-grained, biotitic, magnetic; CA = 53 degrees
443.5 - 489.5'	FELDSPAR PORPHYRY DIKE - CA = 43 degrees
820 - 872'	Moderate to strong alteration, quartz veins, hematitic
1222.0 - 1222.3'	Quartz vein, 107 ppb Au over 0.3'
1640.5 - 1642.0'	MAFIC DIKE - fine-grained; CA = 50 degrees
1673.0 - 1759.3'	FELDSPAR PORPHYRY DIKE - CA = 45 - 50 degrees
2259.3 - 2266.3'	MAFIC DIKE - slightly magnetic; CA = 60 degrees
2281.2 - 2281.4'	FELDSPAR PORPHYRY DIKELET - CA = 55 degrees
2450 - 2460'	Deformed, pervasively carbonated, schistose near contact (CA = 25 - 30 degrees)
2460.0 - 3616.5'	BIMODAL PORPHYRY
	Numerous quartz-feldspar veinlets associated with bleaching and/or sericite, locally containing trace specularite
2513.2 - 2532.1'	Chloritic Dike - CA = 35 degrees, amphibole-phyric, magnetic

SUMMARY LOG

HOLE: N-85-16, A, B

PAGE: 2

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FOOTAGE                DESCRIPTION
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N-85-16A

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3335.5 - 3342.5'   Green Dike - CA = 30 - 50 degrees
3547.0 - 3552.5'   Green Dike - sub-parallel to CA
3599.5 - 3578.0'   Green Dike - CA = 50 degrees

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3616.5 - 4533' TEMISKAMING SEDIMENTS

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3616.5 - 4098'     CONGLOMERATE
3616.5 - 3849'     Numerous fractured and blocky
                    zones
4014 - 4044'       Sericitic

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N-85-16B

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4098 - 4170'       GREYWACKE - local conglomerate
                    zones
4098 - 4135'       Sericitic, locally abundant
                    quartz-feldspar veinlets
4170 - 4290'       CONGLOMERATE - local greywacke
                    zones
4290 - 4533'       GREYWACKE - lower part locally
                    bleached

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4533 - 5147.8' BASAL TUFF

```

Dark green-grey
4660 - 4729'       Hematitic
4827 - 4882'       Patchy bleaching and sericitic
                    zones
4937.5 - 5147.8'  VOLCANIC CONGLOMERATE - polymictic,
                    volcanogenic clasts, mafic-tuffaceous
                    matrix, local zones of ash to lapilli
                    tuff
5067.5 - 5073.0'  INTERMEDIATE DIKE - grey, porphyritic

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SUMMARY LOG

HOLE: N-85-16,A,B

PAGE: 3

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FOOTAGE	DESCRIPTION
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5147.8 - 5322'	KINOJEVIS VOLCANICS
5147.8 - 5148.1'	Altered, unconformable(?) contact
5148.1 - 5198.8'	Crowded, feldspar-phyric, coarse volcanics (similar to upper volcanics in holes 17)
5198.8 - 5322'	Saussuritic, coarse-grained volcanics, pervasive carbonate, magnetic
5322'	END OF HOLE

=====

SIGNED:

DRILL LOG

HOLE: N-85-16
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 341 degrees LOCATION: 1510' @ az. 211° from #1 of L. 1754
 DIP: -75 degrees DATE DRILLED: Dec 10/85 - Mar 8/86
 LOGGED BY: E Canova, J Mucklow, T Twomey
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE: To test 3054 Zone and beyond

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FOOTAGE	DESCRIPTION
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=====

0 - 34'	OVERBURDEN - Casing
34 - 39'	BOULDERS
39 - 98.0'	TRACHYTIC TUFF
	Ash to lapilli, locally agglomeratic; very well bedded CA = 25 - 30 degrees; hematitic
	89.8 - 98.0' Finer-grained ash tuff, local lapilli; very well bedded CA = 30 degrees
98.0 - 2460.0'	MAFIC SYENITE
	Intrusive contact CA = 30 degrees with a 4" chilled margin; magnetic
	108 - 320' Numerous narrow red felsic ribs; associated potassic or hematitic alteration throughout syenite
	117 - 126' Sericitic with numerous quartz stringers
	126.0 - 143.0' FELDSPAR PORPHYRY DIKE - upper contact sharp but obscured by rusty alteration; lower contact sharp CA = 35 degrees; sericitic from 126 - 137'
	172.5 - 173' Shearing; CA = 40 degrees
	224.1 - 225' Albitic zone parallel to core axis on one side
	359.0 - 364.5' MAFIC DIKE - fine-grained, 3% biotite, magnetic, contacts CA = 53 degrees, pyrite at contact
	407 - 443.5' Cut by numerous quartz-feldspar and calcite veins; over 1/2" wide along fractures; CA = 46 degrees and 20 degrees, 1" spacing, associated alteration

FOOTAGE	DESCRIPTION
	MAFIC SYENITE (cont'd)
	throughout, reddish-grey, weakly bleached, altered augite
443.5 - 489.5'	FELDSPAR PORPHYRY DIKE Coarse-grained, orange-red feldspar phenocrysts (40%); massive; mafic xenoliths (2%); CA = 43 degrees
559.7 - 629.4'	Light orange-altered, numerous fine quartz-calcite veins at 47 and 65 degrees, and irregular red zones of strong alteration
563 - 565'	Highly fractured with quartz and calcite veins
749 - 790.5'	Moderately to strongly altered, fractured and cut by quartz veins
820 - 872'	Moderate to strongly altered associated with fractures, quartz veins, hematitic, grey-green to red, foliated, strong red alteration, local chlorite filled (26 - 46 degrees) fractures
1020 - 1309'	Weakly carbonated syenite
1222.0 - 1222.3'	Quartz vein, 107 ppb Au over 0.3'
1293.5 - 1299.8'	Deformed, fine-grained, foliated at 32 degrees, weakly chloritic and carbonated, shearing at 29 degrees
1358'	1/2" mafic dike with calcite stringers; CA = 6 degrees
1377.5 - 1380.1'	1" light brown mafic dike and calcite-quartz vein; CA = 4 degrees
1420.1'	More abundant feldspar (white to light green) 35 - 40%, coarse-grained, massive
1640.5 - 1642.0'	MAFIC DIKE - fine-grained; CA = 50 degrees
1673.0 - 1759.3'	FELDSPAR PORPHYRY DIKE Dark brown phenocrysts 1 - 3 mm in fine-grained groundmass, 30% phenos, numerous mafic xenoliths generally 1 cm up to 10 cm, contacts CA = 45 - 50 degrees

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FOOTAGE

DESCRIPTION

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MAFIC SYENITE (cnt'd)

1963.8 - 1972.4'	Fine foliated mafic syenite, possibly due to shearing
2027 - 2036.5'	Foliated mafic syenite, probably due to shearing at 27 degrees, fine quartz and calcite veins, blocky core at 2034.5 - 2036.5'
2259.3 - 2261.3'	MAFIC DIKE - network textured, greyish alteration, slightly magnetic; CA = 60 degrees
2281.2 - 2281.4'	Feldspar Porphyry Dikelet; CA = 55 degrees
2340'	Increasingly abundant felsic ribs; CA = 55 - 35 degrees
2380.6 - 2381.3'	Large felsic rib, carbonated
2397.5 - 2398.5'	Large felsic rib; numerous carbonate filled fractures
2450 - 2460'	Becoming more pervasively carbonate and deformed, schistose near contact; CA = 25 - 30 degrees
2460.0 - 3603.0'	BIMODAL PORPHYRY
	Numerous quartz-feldspar veins
2460.2 - 2462'	Fracturing with carbonate
2513.2 - 2532.1'	CHLORITIC DIKE - CA = 35 degrees, greenish amphibole (hornblende?)-phyric, magnetic
2536.2 - 2548'	Becoming increasingly altered by sericite
2548 - 2567'	SERICITIC ALTERATION ZONE - local zones of fuchsite where mafic xenoliths are altered, commonly quartz-feldspar veinlets, and stringers associated with most intense alteration; trace pyrite
2556.5'	Quartz vein with less than 1% specularite
2589.5 - 2611'	Moderately strong alteration; numerous quartz-feldspar veins, sericite most intense near veins
2611 - 2798'	Moderate alteration; locally strongly sericitic near veins

FOOTAGE	DESCRIPTION
BIMODAL PORPHYRY (cont'd)	
2798 - 2863'	Alteration less intense, loss of quartz veining
2863 - 2900'	Increasing alteration, green colouration and quartz veining
2925'	Loss of alteration
2998 - 3024'	Blocky ground, fracturing parallel to core
3198 - 3207'	Very blocky ground, fracturing parallel to core
3292 - 3221'	Sericitic, (moderate to strong)
3321 - 3341'	Locally moderately to weakly sericitic
3375 - 3395'	Moderately to strongly sericitic, parallel to CA, trace specularite
3391.6 - 3392.9'	Quartz veining with intensely sericitic and siliceous rock
3475.2 - 3477'	Irregular quartz veins, less than 1% disseminated specularite
3545.0 - 3554.0'	LAMPROPHYRE DIKE - contacts at 20 degrees, altered mafic matrix with "books" of biotite, (less than 1%)
3577.5 - 3581'	Fracturing with local quartz filling and dike-like, light green (sericitic) intermediate rock in blobs or sinuous, fracture-controlled forms
3581 - 3603.0'	Becoming increasingly syenitic in composition
3603.0'	Sharp but irregular intrusive contact with conglomerate
3603.0' - 3665'	TEMISKAMING SEDIMENTS - CONGLOMERATE
	Very strongly deformed; foliation at 20 degrees, very chloritic matrix, competent clasts commonly fractured with carbonate fracture-filling and pressure shadows; mafic to intermediate matrix, weakly magnetic
3615.5 - 3616.5'	BIMODAL PORPHYRY DIKE - CA = 25 degrees, offshoot from main porphyry body
3616.5 - 3665'	Blocky
3665'	Lost water - backed up to 3359' to wedge off N-85-16A

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FOOTAGE	DESCRIPTION
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STRIKE: (Collar) 341 degrees
 DIP: (Collar) -75 degrees

SURVEY TESTS

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DEPTH	STRIKE	DIP	DATE
Collar	341	degrees	
50'	341	degrees	
100'	341	degrees	
150'	336	degrees	
358'	337	degrees	Dec 5/85
678'	338	degrees	Dec 7
854'	342	degrees	Dec 8
988'	343	degrees	Dec 9
1145'	344	degrees	Dec 10
1235'	346	degrees	Dec 12
1385'	349	degrees	Dec 13
1545'	349	degrees	Dec 14
1605'	352	degrees	Dec 15
1795'	352	degrees	Dec 16
1908'	354	degrees	Dec 18
2048'	357	degrees	Dec 20
2450'	001	degrees	Jan 12/86
2530'	003	degrees	Jan 14
2675'	002	degrees	Jan 16
2813'	002	degrees	Jan 18
2990'	004	degrees	Jan 26
3110'	006	degrees	Feb 2
3200'	005	degrees	Feb 3
3450'	005.5	degrees	Feb 6

=====

SIGNED:

DRILL LOG

HOLE: N-85-16A
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: LOCATION:
DIP: DATE DRILLED: Mar 9 - Apr 10, 1986
LOGGED BY: T Twomey, J Mucklow
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: Lost water on N-85-16

FOOTAGE

DESCRIPTION

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=====
Wedged at 3359'

3359.0 - 3616.5' BIMODAL PORPHYRY

3370.5 - 3431' Lightly sericitic
3423 - 3424' Quartz veining with trace hematite
crystals
3335.5 - 3342.5' GREEN DIKE - CA = 30 - 50 degrees
3547.0 - 3552.5' GREEN DIKE - runs subparallel
to CA, very blocky, lost water
3569 - 3587' Brecciated, some carbonate fractures
3577.5 - 3578.0' GREEN DIKE - CA = 50 degrees
3578 Becoming much darker and more
syenitic in composition
3616.5 Contact CA = 20 degrees

3616.5 - 4480.5' TEMISKAMING SEDIMENTS

3616.5 - 4216' CONGLOMERATE
3620 1/2" wide fault seam @ 20"
3644 - 3646' Blocky ground
3694 - 3697' Blocky ground with fractures
parallel to core axis
3699 - 3703' Blocky ground with fault gouge
at 3700.5'
3704.5 - 3705' Fault gouge
3750 - 3751' Blocky ground
3846 - 3849' Blocky - highly fractured (fault?)
4014 - 4144' SERICITIC, locally siliceous and
albitic, local fuchsite clasts,
strongly deformed
4076 - 4081' Numerous quartz-feldspar stringers
4165 - 4200' Sporadic magnetic clasts
4179 - 4181' Conglomerate - magnetic - no
jasper present
4187 - 4191' Cream coloured sericitic zone
(altered tuff?), contacts at
45 degrees
    
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FOOTAGE

DESCRIPTION

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TEMISKAMING SEDIMENTS (cont'd)

4200.1 - 4202'	Hematitic zone in greywacke with minor quartz veinlets
4205.4 - 4210.4'	As above
4216 - 4236.7'	ARKOSIC WACKE - fine-grained, homogenous, metasediment, grey coloured, non-magnetic, carbonated, minor graded beds, often folded with bedding parallel to core axis
4236.7 - 4251.5'	CONGLOMERATE - carbonated, magnetic, clast supported, no jasper present, clasts elongated at 45 degrees to CA
4251.5 - 4480.5'	ARKOSIC WACKE - fine-grained with minor graded beds, no hasper, carbonated, non-magnetic
4261.8 - 4262.8'	1/2' wide quartz vein
4280'	Numerous rip-up clasts in fine-grained sediments
4308'	As above
4396 - 4409.5'	Silicified sediments with quartz breccia veinlets
4410 - 4480.5'	Numerous sedimentary features present: graded bedding (uphole, younging south), load casting, rip-up clasts
4480.5 - 4739'	BASAL TUFF(?)
4480.5 - 4489'	Dark green tuffaceous (numerous 5 - 20 mm lapilli), 2% disseminated pyrite
4521.5 - 4524.5'	Pyritic tuff (1%)
4539 - 4549'	Moderately sericitic
4543.8 - 4545.2'	Quartz-feldspar veining in sericitic tuff
4547.7 - 4549'	3" quartz vein with 1% pyrite in surrounding rock
4551 - 4560.8'	Patchy bleaching; hematitic from 4553.3 - 4554.9
4573 - 4574.7'	Bleached
4605.3 - 4612.2'	Bleached
4684.2 - 4688'	Bleached
4688 - 4701'	2 feet of ground core

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FOOTAGE                DESCRIPTION
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BASAL TUFF (cont'd)

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4693 - 4701.7'    Fracturing, lightly sericitic,
                  quartz-feldspar stringers; from
                  4695 - 4700.2' quartz-feldspar
                  veining abundant
4715 - 4739'    Lightly hematitic

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4739'    Hole stopped to wedge 16B at 4100' to by-pass rapid
          shallowing in hole

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SURVEY TESTS

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          STRIKE                DIP                DATE
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3515'    012 degrees            -65 degrees      Mar 13
3680'    001 degrees            -68 degrees      Mar 16
3820'    004 degrees            -68.5 degrees    Mar 18
4025'    352 degrees            -66 degrees      Mar 21
4106'    347 degrees            -63 degrees      Mar 22
4250'    -42 degrees           Mar 24
4486'    -29.5 degrees         Mar 28
          (Acid Test)

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SIGNED:

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NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION:

DIP:

DATE DRILLED: Apr 11 - May 4, 1986

LOGGED BY: J Mucklow, T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: Wedged around bend in N-85-16A

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FOOTAGE

DESCRIPTION

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4098 - 4533'

TEMISKAMING SEDIMENTS

4098 - 4170'	GREYWACKE - graded bedding with rip-up clasts, local conglomeratic zones, local trace pyrite
4098 - 4135'	Moderately to strongly sericitic, schistosity well defined; CA = 25 - 50 degrees
4098 - 4119'	Numerous quartz-feldspar stringers generally concordant with schistosity
4135 - 4164.7'	Lightly sericitic, local quartz-feldspar veins and stringers
4170 - 4290'	CONGLOMERATE - local greywacke/grit intercalations
4220 - 4242'	Gritty
4242 - 4247'	Matrix supported conglomerate, gravel-sized rounded, clasts stretched clasts; CA = 50 degrees
4282 - 4290'	As above, lightly hematitic giving a blue-black coloration, magnetic
4290 - 4533'	GREYWACKE
4350 - 4360'	fine-grained greywacke (turbidite), graded beds, slightly magnetic
4380 - 4396'	Slightly magnetic
4414.4 - 4432.0'	Bleached
4432 - 4451'	Ground Core (lost)
4468.5 - 4470.5'	Bleached
4483 - 4503'	Bleached
4512.5 - 4515'	Bleached
4530 - 4533'	Bleached

FOOTAGE	DESCRIPTION
4533 - 5147.8'	BASAL TUFF
4533 - 4660'	Dark green-grey , weak to moderate magnetics
4660 - 4729'	Dark green-grey to purplish, hematitic, weakly magnetic
4729 - 4736'	Light green-grey to purplish, local bleaching and hematitic zones
4736 - 4827'	Light green-grey, not magnetic
4749'	Geologically-orgasmic soft-sediment deformation, younging uphole; bedding CA = 60 degrees
4816 - 4819'	Coarse, reworked agglomerate?
4827 - 4870.5'	Patchy bleaching
4836'	Cross bedding
4860.5 - 4861'	Sedimentary dikes
4870.5 - 4882'	Sericitic
4882'	Cross bedding
4882 - 4937.5'	Grey-green, well bedded, local gritty beds and diagenetic pyrite
4937.5 - 5147.8'	VOLCANIC CONGLOMERATE - polymictic but generally all clasts are volcanogenic and matrix is mafic tuffaceous, local diagenetic pyrite
4950 - 4954'	Ash tuff
5030.5 - 5033'	Feldspar crystal, lapilli tuff, foliation CA = 45 degrees (bedding parallel)
5068.5 - 5073.0'	INTERMEDIATE DIKE - grey, porphyritic
5144'	Excellent bedding; CA = 40 - 45 degrees
5147.8 - 5322	KINOJEVIS VOLCANICS
5147.8 - 5148.1'	Altered contact (unconformity?)
5148.1 - 5198.8'	Crowded feldspar-phyric, coarse volcanics (similar to upper porphyritic volcanics but more massive)

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FOOTAGE	DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

5198.8 - 5322' Feldspar crystals are very "crisp" looking; non-magnetic; Pervasive carbonate selectively replacing feldspars from 5169' on Saussuritic, feldspars greenish and indistinct, however rock still coarse-grained and porphyritic; strongly magnetic, pervasive carbonate selectively replaces feldspars; 1 - 2 mm crystals of magnetite (2 - 3%), feldspars 40 - 50%, dark green (amphibole or pyroxenes and accessories) groundmass

5322 END OF HOLE

BORE HOLE DATA

=====

DATE	DEPTH	ACID TEST (degrees)	WEDGE TOP	WEDGE TYPE	AZIMUTH (degrees)	DIP (degrees)	
APR 12	4085'		4095'	steel	352	-63	Start of Hole, above "dogleg"
Apr 17	4195'	-60					
Apr 17	4290'	-56					
Apr 19	4390'	-53					
Apr 22	4487'	-53					
Apr 22	4590'	-50					
Apr 24	4690'	-49					
Apr 26	4790'	-47.5					
May 3	5100'				341	-43	
May 3	4750'				337	-47	
May 3	4400'				337	-53	
May 3	5322'						End of Hole

=====

SIGNED:

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-16
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
017 - 109.2'	K alteration (hematitic?)	C99617	2.5	nil
109.5 - 112'	As above	99618	2.5	nil
112 - 115'	As above	99619	3.0	nil
115 - 118'	As above	99620	3.0	nil
118 - 119.2'	Sericitic, numerous quartz stringers	99621	1.2	nil
119.2 - 120'	Sericitic, numerous quartz stringers, mafic syenite	99622	0.8	nil
120 - 122.8'	As above	99623	2.8	nil
122.8 - 126'	As above	99624	3.2	nil
126 - 128'	Sericitic, sillicic, feldspar porphyry	99625	2.0	nil
128.0 - 130.3'	As above	99626	2.5	nil
130.5 - 133'	As above	99627	2.5	nil
133 - 135.5'	As above	99628	2.5	nil
135.5 - 138'	As above	99629	2.5	nil
138 - 140.5'	Light to no alteration, feldspar porphyry	99630	2.5	nil
140.5 - 143'	As above	99631	2.5	nil
143 - 145.5'	Numerous felsic ribs, pyrite on slip faces, mafic syenite	99632	2.5	nil
145.5 - 148'	As above	99633	2.5	nil
148 - 150.5'	As above	99634	2.5	20
150.5 - 153'	As above	99635	2.5	nil
153 - 155.5'	As above	99636	2.5	nil
155.5 - 158'	As above	99637	2.5	nil
158 - 160.5'	Local K alteration, mafic syenite	99638	2.5	nil
160.5 - 163'	As above	99639	2.5	nil
163 - 165.5'	As above	99640	2.5	nil
165.5 - 168'	As above	99641	2.5	nil
288 - 291'	Local veinlets, pervasive carbonate, mafic syenite	99642	3.0	nil
291 - 293.5'	As above	99643	2.5	nil
297 - 299.5'	As above	99644	2.5	nil
299.5 - 302'	As above	99645	2.5	nil
302 - 305'	As above	99646	3.0	nil
305 - 308'	As above	99647	3.0	nil
308 - 310.5'	As above	99648	2.5	nil
310.5 - 312.4'	As above	99649	2.2	10

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HOLE: N-85-16
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
313.2 - 314.5'	As above	99650	1.3	nil
316 - 318'	As above	99651	2.0	10
628.5 - 630.5'	Pervasive carbonate, local stringers, mafic syenite	99652	2.0	nil
630.5 - 633'	As above	99653	2.5	nil
633 - 635.5'	As above	99654	2.5	nil
635.5 - 638'	As above	99655	2.5	nil
638 - 640'	As above	99656	2.0	10
640 - 642.5'	Pervasive carbonate, local stringers, mafic syenite	99657	2.5	nil
462.5 - 645.5'	As above	99658	3.0	nil
645 - 648'	As above	99659	2.5	nil
648 - 651'	As above	99660	3.0	nil
651 - 653.5'	As above	99661	2.5	nil
653.5 - 656'	As above	99662	2.5	10
656 - 658'	Pervasive carbonate, local stringers, mafic syenite	99663	2.0	10
224.2 - 224.9'	Albite zone, mafic syenite	H11414	0.7	3
237.5 - 233.1'	Quartz-feldspar vein, (2") mafic syenite	11415	0.6	2
239 - 241.7'	K alteration, highly altered, mafic syenite	11416	2.7	3
241.7 - 242.8'	As above	11417	1.1	2
257.6 - 258.3'	Quartz-feldspar vein, mafic syenite	11418	0.7	3
269.5 - 272.5'	Felsic rib, mafic syenite	11419	3.0	2
293.5 - 297'	Felsic ribs, quartz veins	11420	3.5	3
312.7 - 313.2'	Fractured, quartz-feldspar veins, red alteration, mafic syenite	11421	0.5	2
314.5 - 316'	As above	11422	1.5	3
332.6 - 333.5'	As above	11423	0.9	2
340.9 - 341.4'	As above	11424	0.5	11
345.5 - 346'	As above	11425	0.5	2
347.5 - 348.5'	As above	11426	1.0	3
349.2 - 351.3'	Quartz-carbonate veins, 1% pyrite, mafic syenite	11427	2.1	6
364.4 - 364.8'	Contact with mafic dike, mafic syenite	11428	0.4	6

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
391.5 - 392.4'	Quartz-carbonate vein and alteration, mafic syenite	11429	0.9	4
404.2 - 405.2'	As above	11430	1.0	4
406.5 - 411.5'	Numerous quartz-feldspar carbonate veins, altered mafic syenite	11431	5.0	4
411.5 - 416.5'	As above	11432	5.0	4
416.5 - 420.2'	As above	11433	3.7	8
420.2 - 421.7'	As above	11434	1.5	4
421.7 - 423.1'	As above	11435	1.4	4
428.1 - 427.2'	Numerous quartz-feldspar carbonate veins, altered mafic syenite	11436	4.1	3
427.2 - 432.3'	As above	11437	4.9	3
432.3 - 436.9'	As above	11438	4.6	3
436.9 - 440'	As above	11439	3.1	4
440 - 443.5'	As above	11440	3.5	3
443.5 - 445'	Contact zone with feldspar porphyry dike, mafic syenite	11441	1.5	4
489.4 - 490.2'	As above	11442	0.8	4
493.3 - 495.5'	Altered quartz vein, mafic syenite	11443	2.2	3
510.2 - 510.9'	Altered, fine veinlets, mafic syenite	11444	0.7	6
511.7 - 512.2'	As above	11445	0.5	73
518.7 - 519.9'	As above	11446	1.2	3
536.4 - 536.9'	As above	11447	0.5	6
538.8 - 539.2'	As above	11448	0.4	4
543.6 - 544'	As above	11449	0.4	4
561.5 - 562.6'	Altered mafic syenite	11450	1.1	3
562.6 - 565.4'	Red alteration, quartz-carbonate, mafic syenite	11453	2.8	4
565.4 - 568.8'	As above	11454	3.4	11
570.7 - 571.6'	Brecciated, carbonate, mafic syenite	11455	0.9	6
576.3 - 578.9'	Altered mafic syenite	11456	2.6	4
578.9 - 580.8'	Hematitic, mafic syenite	11457	1.9	3
586.5 - 588'	As above	11458	1.5	6
595.1 - 597.6'	Red alteration, mafic syenite	11459	2.5	4
603 - 604.5'		11460	1.5	4
609.8 - 610.6'	Brecciated, quartz-	11461	0.8	4

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
623.8 - 624.5'	carbonate-feldspar, hematite, mafic syenite Red alteration, mafic syenite	11462	0.7	3
666.6 - 671'	Red alteration and hematite, mafic syenite	H11463	4.4	4
671 - 675.6'	As above	11464	4.6	3
761.6 - 762.5'	Red, (hematite) alteration mafic syenite	11465	0.9	4
756.6 - 768.3'	As above	11466	2.7	6
773.7 - 775.4'	As above	11467	1.7	10
778.9 - 781.1'	As above	11468	2.2	8
781.1 - 785.3'	As above	11469	4.2	6
787 - 788.7'	As above	11470	1.7	6
827.1 - 831.3'	Red to green alteration, mafic syenite	11471	4.2	4
844.2 - 844.6'	As above	11472	0.4	6
848.8 - 849.6'	As above	11473	0.8	7
849.6 - 854.8'	As above	11474	5.2	66
856.8 - 861.5'	Red to green alteration, chlorite, mafic syenite	E3901	4.7	17
864 - 865.6'	As above	3902	1.6	4
866.1 - 867.4'	As above	3903	1.3	26
868.4 - 869.1'	Red to green alteration, trace of pyrite, mafic syenite	3904	0.7	6
983.5 - 984'	Narrow shear with quartz, mafic syenite	3905	0.5	3
1000.1 - 1001.4'	As above	3906	1.3	7
1012.3 - 1062.7'	Several feldspar veinlets, mafic syenite	3907	0.4	12
1064.4 - 1064.9'	As above	3908	0.5	6
1068.5 - 1068.9'	As above	3909	0.4	7
1079.7 - 1080.6'	Quartz-feldspar vein, carbonate, mafic syenite	3910	0.9	6
1091.1 - 1091.4'	As above	3911	0.3	8
1139.3 - 1140.1'	Carbonate alteration, mafic syenite	3912	0.8	4
1140.1 - 1140.7'	Quartz-feldspar vein, mafic syenite	3913	0.6	6
1146.6 - 1148.3'	As above	3914	1.7	4
1198.3 - 1198.8'	1/2" quartz vein, mafic syenite	3915	0.5	2

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
1205.3 - 1205.8'	1-1/2" quartz-carbonate vein, mafic syenite	3916	0.5	3
1209.5 - 1209.8'	As above	3917	0.3	3
1214.9 - 1215.6'	As above	3918	0.7	2
1216.5 - 1216.8'	As above	3919	0.3	3
1217.5 - 1217.8'	As above	3920	0.3	2
1219.9 - 1220.3'	As above	3921	0.4	2
1220.3 - 1221.5'	As above	3922	1.2	4
1222 - 1222.3'	Quartz vein, mafic syenite	3923	0.3	107
1230 - 1230.3'	As above	3924	0.3	6
1231.7 - 1232.9'	4" quartz vein, mafic syenite	3925	1.2	4
1237.9 - 1238.5'	Quartz-carbonate pod, mafic syenite	3926	0.6	4
1238.7 - 1239.1'		3927	0.4	14
1242.5 - 1243'	Quartz-carbonate vein, mafic syenite	3928	0.5	3
1287.9 - 1288.1'	Quartz veinlet, mafic syenite	3929	0.2	4
1294.5 - 1295.9'	Deformed to sheared, chlorite-carbonate, less than 1% pyrite, mafic syenite	3930	1.4	4
1296.3 - 1297.2'	As above	3931	0.9	6
1377.5 - 1378'	Mafic dike, quartz-carbonate vein, mafic syenite	3932	0.5	6
1453 - 1454'	Quartz vein (3") chlorite, mafic syenite	3933	0.9	4
1518.0 - 1519.8'	2" quartz veins in shears, chlorite, carbonate, sericitic, mafic syenite	3934	0.9	8
1614.9 - 1615.4'	Narrow shear with quartz-feldspar, mafic syenite	3935	0.5	7
1615.7 - 1616.7'	Quartz-feldspar, sericitic in narrow shear, mafic syenite	E3936	1.0	6
1630 - 1630.4'	Quartz-feldspar in narrow shear, mafic syenite	3937	0.4	14
1639 - 1639.9'	Altered narrow shears, mafic syenite	3938	0.9	6
1649.9 - 1650.4'	Narrow shear with less than 1% pyrite, mafic	3939	0.5	8

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
	syenite			
1762.9 - 1765.5'	Narrow shear, sericite alteration, mafic syenite	3940	2.6	17
1818 - 1818.2'	1" carbonate vein, mafic syenite	3941	0.2	7
1831.4 - 1831.9'	2" carbonate vein, mafic syenite	3942	0.5	3
1919 - 1919.9'	Shear, chlorite and carbonate, mafic syenite	3943	0.9	6
1922.6 - 1923.2'	Pink alteration, carbonate and chlorite, mafic syenite	3944	0.6	26
1977 - 1977.5'	Shearing, quartz-calcite, mafic syenite	3945	0.5	nil
2003.5 - 2004'	Shear, quartz-carbonate, sericite, mafic syenite	3946	0.5	nil
2005.4 - 2005.9'	As above	3947	0.5	nil
2011.3 - 2011.9'	Quartz-calcite veins, mafic syenite	3948	0.6	nil
2115.7 - 2116'	1" quartz-feldspar vein in shear, mafic syenite	N5001	0.3	nil
2156 - 2156.5'	1" quartz-feldspar, carbonate vein, mafic syenite	5002	0.5	nil
2188 - 2188.4'	Small quartz-feldspar veinlets/stockwork, mafic syenite	5003	0.4	nil
68 - 70.5	Grit trace to 1% pyrite (disseminated)	5004	2.5	nil
70.5 - 73'	As above	5005	2.5	nil
73 - 75.5'	As above	5006	2.5	nil
75.5 - 78'	As above	5007	2.5	nil
78 - 80.5'	As above	5008	2.5	nil
80.5 - 83'	As above	5009	2.5	nil
83 - 85.5'	As above	5010	2.5	nil
85.5 - 90.5'	Grit trace to 1% pyrite (disseminated)	5011	5.0	nil
90.5 - 95.5'	As above	5012	5.0	nil
95.5 - 98'	As above	5013	2.5	nil
98 - 101.3'	Mafic syenite, K alteration (hematitic)	5014	3.3	10
101.3 - 104.6'	As above	5015	3.3	nil
104.6 - 107'	As above	5016	2.4	nil
2273.3 - 2273.8'	Calcite and chlorite and	5017	0.5	nil

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PROPERTY: Newfields Minerals Inc.
Teck Township

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2359.8 - 2360.3'	altered mafic syenite Shear, chlorite and carbonate, mafic syenite	5018	0.5	nil
2370.6 - 2381.3'	Large felsic rib, mafic syenite	5019	0.7	nil
2397.5 - 2398.5'	Large felsic rib, numerous carbonate-filled fractures, mafic syenite	5020	1.0	nil
2400.6 - 2401'	Quartz, carbonate-filled shear, mafic syenite	5021	0.4	nil
2426 - 2426.3'	Shear, carbonate and chlorite	5022	0.3	nil
2436.5 - 2436.9'	Felsic rib, carbonate veinlet parallel within mafic syenite	5023	0.4	nil
2453.9 - 2456.2'	Carbonate and deformed, mafic syenite	5024	2.3	nil
2456.2 - 2458'	As above	5025	1.8	nil
2458 - 2459.9'	Carbonate and deformed, mafic syenite, lower contact with QPF	5026	1.9	nil
2459.9 - 2460.2'	Quartz veining at contact, QPF	5027	0.3	nil
2460.2 - 2462'	Carbonate fractures, QPF	5028	0.8	nil
2488 - 2488.5'	Bleached and quartz, QPF	5029	0.5	nil
2536.2 - 2538'	Increasingly sericitic, QPF	5030	1.8	nil
2538 - 2540'	Strongly sericitic, local fuchsite, quartz veins, QPF	5031	2.0	10
2552.3 - 2552.9'	As above	5032	0.6	nil
2555.8 - 2556.6'	Strongly sericitic, local fuchsite, quartz veins, galena, QPF	5033	0.8	nil
2564.8 - 2565.8'	As above	5034	1.0	nil
2592.4 - 2594'	Strongly sericitic, local fuchsite, quartz veins	N5035	1.6	nil
2598.3 - 2598.8'	Sericitic quartz-feldspar, minor green mica, quartz veins	5036	0.5	nil
2612.5 - 2613.0'	Sericitic quartz-feldspar, with minor green mica, irregular quartz veins, 2-inch with less than 1% fine galena	5037	0.5	nil

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PROPERTY: Newfields Minerals Inc.
Teck Township

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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2623.8 - 2624.6'	As above	5038	0.8	10
2628 - 2630.2'	Sericitic quartz-feldspar with minor green mica, irregular quartz veins	5039	1.2	nil
2632.2 - 2633.7'	As above	5040	1.5	nil
2690.8 - 2613'	Sericitic quartz-feldspar with minor green mica, quartz fractures, less than 1% galena	5041	3.2	nil
2649.7 - 2650.7'	Irregular quartz veins, less than 1% galena, in altered quartz-feldspar	5042	1.0	nil
2661.0 - 2661.7'	As above	5043	0.7	nil
2673.8 - 2674.3'	As above	5044	0.5	nil
2675.7 - 2676.8'	As above	5045	1.1	10
2690.5 - 2691.0'	As above	5046	0.5	nil
2704.4 - 2705.3'	Quartz vein in altered quartz-feldspar, abundant green mica	5047	0.9	nil
2708.0 - 2708.4'	Quartz vein, speck of galena	5048	0.4	nil
2711.0 - 2712.6'	Irregular quartz veins with less than 1% galena in altered quartz-feldspar	5049	1.6	nil
2720.6 - 2722.2'	Quartz fractures at 60 degrees with less than 1% galena in altered quartz-feldspar	5050	1.6	nil
2728.8 - 2730.0'	Irregular quartz veins with less than 1% galena in altered quartz-feldspar	5051	1.2	nil
2743.6 - 2745.1'	As above	5052	1.5	nil
2745.8 - 2746.9'	As above	5053	1.1	nil
2748.7 - 2749.5'	As above	5054	0.9	nil
2755.9 - 2756.5'	Irregular quartz veins, pyrite and galena less than 1% moly on fracture	5055	0.6	nil
2765.2 - 2768.0'	Irregular quartz veins, less than 1% galena in altered quartz-feldspar	5056	2.8	nil
2768.5 - 2770.8'	As above	5057	2.3	nil
2773.5 - 2775.3'	As above	5058	1.8	nil
2814 - 2814.5'	Quartz vein with red	5059	0.5	

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PROPERTY: Newfields Minerals Inc.
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
	fractures in altered quartz-feldspar			
2824.3 - 2825.3'	Irregular quartz veins with less than 1% galena in altered quartz-feldspar	5060	1.0	nil
2839.4 - 2840.1'	As above	5061	0.7	nil
2848 - 2848.9'	As above	5062	0.9	10
2862.4 - 2863.4'	As above	5063	1.0	nil
2871.9 - 2873.0'	As above	5064	1.1	10
2875.5 - 2877.0'	Quartz veins with red alteration	5065	1.5	nil
2878.7 - 2879.2'	Quartz vein at 30 degrees with less than 1% galena in altered quartz-feldspar	5066	0.5	nil
2891.0 - 2892.7'	As above	5067	1.7	nil
2900.5 - 2901.8'	Quartz fracture in quartz-feldspar	5068	1.3	nil
2956.8 - 2958.0'	Minor quartz fractures, odd pyrite cube in quartz-feldspar	5069	1.2	nil
2960.2 - 2961.2'	Minor quartz fractures, speck of galena in quartz-feldspar	5070	1.0	nil
2962.7 - 2963.0'	Quartz vein, 2", in quartz-feldspar; CA = 80 degrees	5071	0.3	nil
2963.9 - 2965.0'	Minor quartz fractures in quartz-feldspar	5072	1.3	nil
2970.4 - 2971.0'	As above	5073	1.0	nil
2990.4 - 2991.0'	Green fractured quartz-feldspar with quartz stringer	5074	0.6	nil
3002 - 3005'	Fractured quartz-feldspar, parallel to core with quartz stringers	5075	3.0	nil
3005 - 3007.5'	As above	5076	2.5	nil
5100 - 5105.0'	Basal Grit, 1% coarse pyrite (no anomalous sludge here)	1893	5.0	15

AZIMUTH N 341°

HOLE 85-N16

TRACHYTIC TUFF

MAFIC SYENITE

BIMODAL PORPHYRY

TEMISKAMING SEDIMENTS

Greywacke

BASAL TUFF (Greywacke?)

KINOJEVIS VOLCANICS

4739' 16A.

4500'

5000'

5322 16 B

500'

1000'

1000'

1500'

2000'

2000'

2500'

3000'

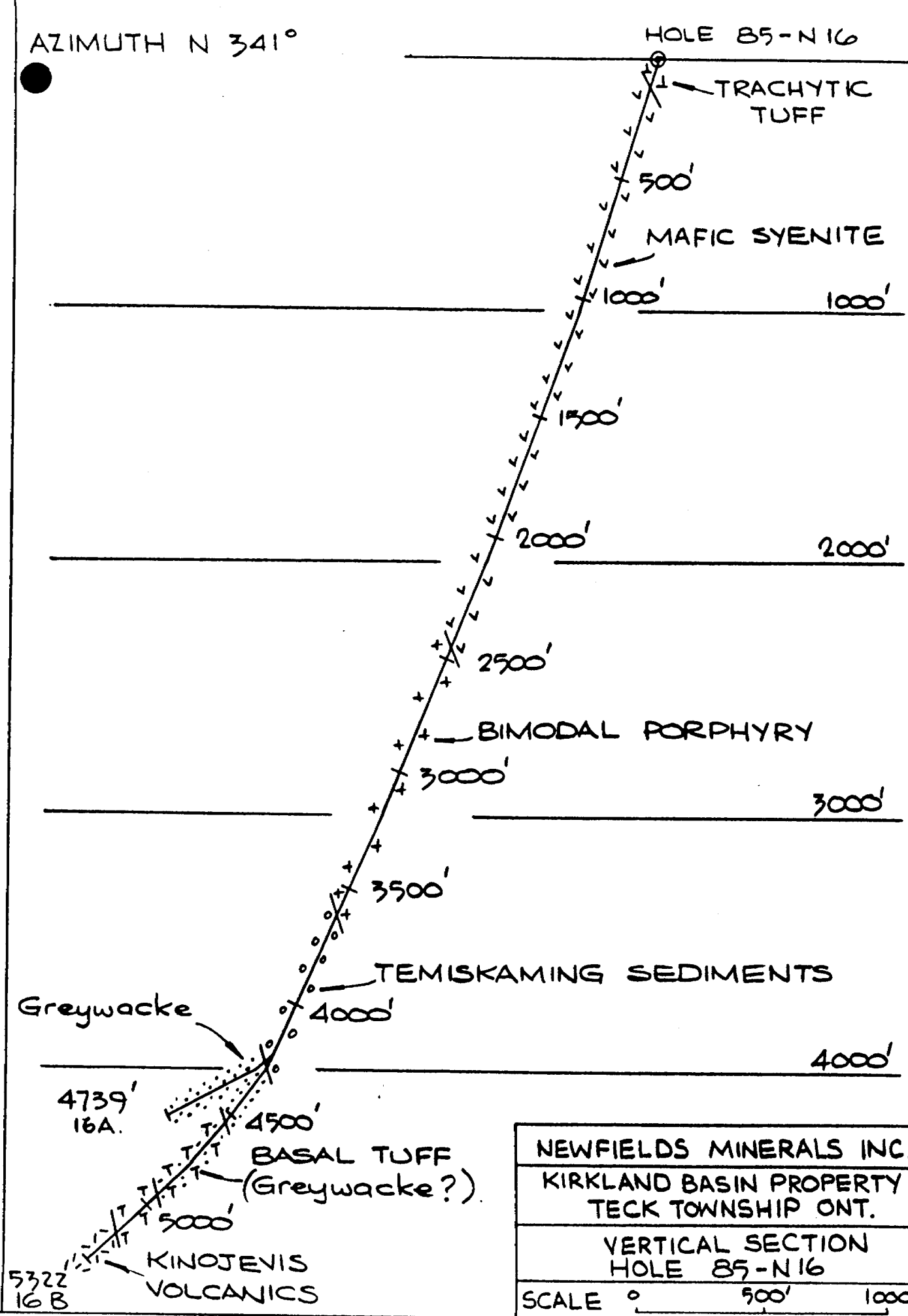
3000'

3500'

4000'

4000'

NEWFIELDS MINERALS INC.		
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.		
VERTICAL SECTION HOLE 85-N16		
SCALE	0	500' 1000'



SUMMARY LOG

HOLE: N-85-17

PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 203° from #1 of L. 2859

DIP:

DATE DRILLED:

LOGGED BY: E Canova, T Twomey, J Mucklow

DRILLED BY: Heath & Sherwood Drilling

PURPOSE:

FOOTAGE

DESCRIPTION

FOOTAGE	DESCRIPTION
0 - 14'	OVERBURDEN
14 - 197.5'	DEBRIS FLOW
197.5 - 282.8'	MAFIC SYENITE
282.8 - 1370.2'	BIMODAL PORPHYRY
381.9 - 392.3'	Strongly bleached, pale green colour
415.5 - 418.9'	Highly fractured, chlorite filled, 1% pyrite
510 - 515'	Mafic Dike - altered contacts at 25 degrees to CA
750.5 - 753.5'	Mafic Dike
1198.5 - 1199.6'	Mafic Dike
1370.2 - 1727.8'	MAFIC SYENITE
1727.8 - 2696.5'	TEMISKAMING SEDIMENTS
1727.8 - 2332'	Conglomerate
2117.7 - 2123.6'	Fault Zone, CA = 20 degrees
2332 - 2344.5'	Greywacke
2344.5 - 2696.5'	Conglomerate, with stretched clasts, often with greenish sericitic zones
2626 - 2636'	Strongly deformed, CA = 15 degrees
2696 - 4006'	KINOJEVIS VOLCANICS
2689.8 - 2690.4'	Quartz-albite stockwork, 100 ppb Au over 0.6'
2901.5 - 2904.5'	FELSIC DIKE (?), CA = 25 degrees
3028.7 - 3030.0'	UPPER GOLD ZONE, quartz-molybdenite, stockwork at 20 degrees to CA, 4940 ppb Au over 1.3'

SUMMARY LOG

HOLE: N-85-17
PAGE: 2

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FOOTAGE	DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

3030.5 - 3281.0'	BROWN ALTERED ZONE (BAZ) - within Kinojevis Volcanics
3034.5 - 3041.0'	Intermediate Dike, contacts at 20 degrees to CA
3281.0 - 3338.0'	DARK GREEN VOLCANIC, similar texture to BAZ
3338.0 - 3562'	BROWN ALTERED ZONE, as before
3392.3 - 3396.3'	Green Spotted Dike
3562 - 4006'	DARK GREEN VOLCANIC, similar texture to BAZ
3614.8 - 3619.9'	LOWER GOLD ZONE, quartz-albite- moly-pyrite-gold; visible gold at 3615'; 0.44 oz/ton Au over 5.1'
3726.6 - 3736.7'	Intermediate Dike
3892.5 - 3927'	Bleached Zone, beige coloured with quartz veins and 1% disseminated pyrite
3978.2 - 3985.6'	Intermediate Dike

4006'

END OF HOLE

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SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 350 degrees LOCATION: 1490' @ az. 203° from #1 of L. 2859
 DIP: -75 degrees DATE DRILLED: Dec 10/85 - Feb 7/86
 LOGGED BY: E Canova, J Mucklow, T Twomey
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE:

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FOOTAGE				DESCRIPTION
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0 - 14'				OVERBURDEN - Casing
14 - 197.5'				DEBRIS FLOW
				Green to pinkish green; 10 - 15% feldspar, phenocrysts (6 mm), over 3% mafic fragments (over 15 cm); matrix syenitic and fine-grained; carbonated, magnetic
				35.3 - 48' Cut by several calcite veins; over 1/8" to 1/4"; CA = 45 - 60 degrees
				172 - 197.5' 5 - 10% fsp, fractures 41 degrees, 24 degrees
197.5 - 282.8'				MAFIC SYENITE
				Contact 43 degrees, dark green, medium-to coarse-grained, massive, carbonated, magnetic
				215.2 - 226.7' Less fsp, little to no carbonate, dioritic in composition, sheared
282.8 - 1370.2'				BIMODAL PORPHYRY
				320 - 361' Several sections of bleached porphyry, pale green sericitic, associated with several quartz-calcite and chlorite veinlets, weakly limonitic, fractures at 79 and 36 degrees
				381.9 - 392.3' Strongly bleached (pale green), sericitic quartz-chlorite veinlets, carbonated
				405.8 - 444' Zones of weak to moderate alteration and bleaching, sericitic, quartz-chlorite veins at 20 degrees, traces of pyrite
				415.5 - 418.9' Highly fractured, chlorite filled with 1% pyrite, at 22 and 53 degrees

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FOOTAGE

DESCRIPTION

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BIMODAL PORPHYRY (cont'd)

425 - 428'	Less than 20% core recovery, no core from 426' - 428', shear zone
428.1 - 434.9, 436.6 - 438.8, 439.6 - 441.5'	patchy strong bleaching, pale green, sericitic, less than 1% pyrite, fine quartz veins. 62 degrees
445 - 546'	Highly fractured CA = 64, 36, and 19 degrees, 2 - 4" spacing
510 - 515'	MAFIC DIKE - green-grey, weakly altered, magnetic, strongly altered at contacts, 26 degrees to CA, chloritic veins with 1% pyrite
656.8 - 669.9'	Grey-green altered, chloritic and weakly sericitic throughout, these sections have 10 - 15% chloritic mafic minerals (hornblende?), moderately to strongly carbonated
and 704.3 - 731.5	Grey orange to grey green, moderately altered, sericitic, chloritic and carbonated
734.5 - 801.5'	MAFIC DIKE - green-grey, strongly carbonated, contacts at 34 degrees
750.5 - 753.7'	Moderately sericitic
929.6 - 955.4'	Moderately sericitic, fine quartz veins (over 1/4"), 51 degrees
989.8 - 995.2'	traces of pyrite
1198.5 - 1199.6'	MAFIC DIKE - grey-green, fine-grained, non-magnetic, upper contact brecciated ; CA = 26 degrees
1251.7 - 1256.8'	INTERMEDIATE DIKE - fine-grained, grey, non-magnetic contact at 20 degrees, traces of pyrite at contacts
1311 - 1370.2'	Greyish red, hematitic?
1370.2 - 1727.8'	MAFIC SYENITE
1603 - 1727.8'	Dark grey to mottled, coarse-grained, magnetic, pervasive carbonate
1603.4'	First felsic rib; CA = 50 degrees
1720'	Increasingly abundant leucoxene

FOOTAGE	DESCRIPTION
1727.8 - 2696.5'	TEMISKAMING SEDIMENTS
1727.8 - 2332'	CONGLOMERATE - strongly deformed, foliation CA = 20 degrees, carbonate-filled dilatance and pressure shadows
2116'	Broken rods, wedged around at 2104'
2104'	Foliation CA = 15 - 20 degrees
2117.7 - 2123.6'	Strongly deformed, brecciated and sheared, gouge CA = 20 degrees, quartz-feldspar veining, MAJOR BREAK
2332 - 2344.5'	GREYWACKE - fine-grained feldspar and local jasper in a fine-grained dark green matrix, carbonated
2344.5 - 2682.5'	Deformed stretched clasts, polymictic and clast supported in a fine-grained feldspar and chloritic matrix, carbonated
2520'	Becoming increasingly deformed; foliation CA = 15 - 20 degrees, fractured pebbles with feldspar quartz filling and pressure shadows
2531'	Becoming increasingly sericitic downhole
2536'	Becoming increasingly bleached and more intensely sericitic
2537.7 - 2538.4'	Quartz-feldspar veining, bleached sericite
2541.7 - 2542.5'	Chloritic shearing with quartz feldspar pods
2542.5 - 2621'	SERICITIC - bleached, local fuchsite, bands, local quartz feldspar veining, local pyrite stringers and moly slips?
2621 - 2626'	Core lost
2626 - 2636'	Decreasing alteration, strongly deformed CA = 15 degrees
2670 - 2680'	Blocky
2682.5 - 2687'	Lapilli tuff?
2696 - 4006'	KINOJEVIS VOLCANICS
	Commonly porphyritic, fsp phenocrysts 2 - 3 mm; local crystal/lapilli tuff zones; commonly altered, grey-green and bleached; pervasive carbonate, common carbonate veinlets
2689.8 - 2690.4'	Quartz feldspar stockwork, 100 ppb Au over 0.6'
2692.5 - 2697.1'	Quartz feldspar stockworks

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FOOTAGE

DESCRIPTION

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KINOJEVIS VOLCANICS (cont'd)

2700.5 - 2706.2'	Porphyritic
2715.2 - 2724'	Porphyritic
2724'	Porphyritic, carbonate veinlets
2789.8 - 2791.3'	Siliceous, carbonate veinlets
2793.6 - 2797.4'	Grey quartz veining with feldspar and carbonate and narrow shears, local pyrite
2836.7 - 2837.7'	Grey quartz veining associated with shearing
2869.8 - 2871'	Strongly carbonated zone
2883.3 - 2887.7'	Quartz feldspar veining with carbonate, pyritic (locally up to 10%)
2890 - 2892.7'	Quartz feldspar veining
2893.9 - 2895.3'	Carbonate stockwork
2901.5 - 2904.5'	Felsic Dike??? - quartz or feldspar eyes in a yellow green (sericitic) matrix with numerous acicular green crystals of chlorite or actinolite? delineating flowage lines; lower contact has quartz and carbonate veining for 0.2'; CA = 25 degrees
2930.5 - 2934.2'	Quartz-calcite veinlets; CA = 10 - 20 degrees
2965.6 - 2967.5'	Quartz-calcite veinlets; CA = 10 degrees
2976 - 2978'	Silicified zone, with quartz-albite veining, less than 1% diss pyrite
2984.3 - 2985.4'	Quartz vein with brecciated wall rock and pyritic chlorite-filled fractures; CA = 25 degrees
2985.4 - 3012.0'	ALTERED DIKE - sericitic with chlorite wisps and 1% diss pyrite; CA = 25 degrees
2988.2 - 2995.0'	Quartz albite stockwork with 1% pyrite, 510 ppb Au over 6.5'
3001.0 - 3006.0'	INTERMEDIATE DIKE - sericitic with chlorite wisps and 1% diss pyrite, schistosity CA = 20 degrees
3011.8 - 3019.5'	Stockwork of quartz-albite veins with less than 1% disseminated pyrite, schistose at 20 degrees, 310 ppb Au over 7.7'
3025.8 - 3028.3'	Siliceous fracture zone with sericite and 3% pyrite in fractures and moly, 5040 ppb Au over 2.5'

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FOOTAGE

DESCRIPTION

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KINOJEVIS VOLCANICS (cont'd)

3028.7 - 3030.0' Quartz veinlets with moly-graphite and 2% diss pyrite; CA = 20 degrees, 4940 ppb Au over 1.3', (Upper Gold Zone)

3030.5 - 3034.5' BROWN ALTERED ZONE (BAZ) - schistose reddish-purple alteration, hematitic, sericitic and siliceous in fractures

3034.5 - 3041.0' INTERMEDIATE DIKE - greenish-grey, contact at 20 degrees, altered
3040' Magnetite present to the end of hole
3040.5 - 3042.0' Quartz albite stringer zone, minor coarse pyrite, locally hematitic, 100 ppb Au over 1.5'

3042.0 - 3048.2' Altered, sheared, and schistose with 2% diss. coarse cubic pyrite, 165 ppb Au over 6.2'

3056 - 3060' Hematized magnetite present, gradational contact with BAZ, sericitic

3060 - 3248' BROWN ALTERED ZONE (BAZ) - sericitic, common hematized magnetite, local quartz-albite veins and stringers at 15 - 30 degrees; schistosity CA = 10 - 20 degrees
3130 - 3132' SERICITIC DIKE - fine-grained, contacts at 12 degrees
3168.8 - 3171.8' Quartz stringers and pyrite filled fractures, parallel to core axis
3171.8 - 3173.4' Quartz stringers, minor pyrite parallel to core axis
3176.2 - 3178.6' Pyrite filled fracture, parallel to core, 2 inches wide, 490 ppb Au over 2.4'
3185.8 - 3187' Pyrite filled fracture at 10 degrees, 2 inches wide
3190.3 - 3192' Pyrite filled fractures at 15 degrees with quartz stringers in sheared BAZ, 410 ppb Au over 1.7'
3195.7 - 3199.5' Pyrite filled fractures at 15 degrees with quartz stringers in sheared BAZ, 1/2' wide quartz vein, 170 ppb Au over 3.8'

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FOOTAGE	DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

3201.4 - 3204.8'	Quartz stringers in pyritic BAZ; CA = 20 degrees
3218.7 - 3220.4'	Quartz stringers in pyritic BAZ; CA = 20 degrees
3227.3 - 3246.2'	Irregular quartz stringer zone, with pyrite filled fractures: 3229.8 - 3232.3' - 290 ppb Au/2.5' 3234.8 - 3236.8' - 130 ppb Au/2.5'
3248 - 3281'	SILICEOUS BAZ - with diss. pyrite and veins, and pyritic fractures
3252.3 - 3258.5'	Pyrite filled fractures and irregular quartz veinlets, 390 ppb Au over 6.2'
3258.5 - 3261.2'	Quartz vein with pyrite filled fractures (2%)
3270 - 3272.5'	Grades out of stringer zone and BAZ, 1% pyrite
3281 - 3338'	DARK GREEN MAFIC, slightly magnetic, schistosity CA = 10 degrees
3335 - 3336'	Pale green, 2 narrow units, contact CA = 20 degrees
3338'	Grades into BAZ
3338 - 3562'	BROWN ALTERED ZONE (BAZ) - dark brown-red to purple, local irregular qtz stringers with over 1% diss. py, pyritic fractures
3392.3 - 3396.3'	LIGHT GREEN DIKE - with green mica, contact at 25 degrees
3439.4 - 3440'	Pyrite filled fracture and quartz veinlets; CA = 25 degrees, 1070 ppb Au over 0.6'
3485.8 - 3487.6'	Shear zone at 15 degrees, with pyrite fracture
3506 - 3515'	Relatively unaltered dark mafic, gradational variations
3531 - 3557'	BAZ with minor quartz veins, over 1% diss pyrite
3562 - 3892.5'	DARK GREEN MAFIC - relatively unaltered, magnetite crystals present
3614.8 - 3617.4'	Silicified zone with 2 - 4% diss pyrite, VG at 3615', 0.792 oz/ton Au over 2.6', (Lower Gold Zone)

FOOTAGE	DESCRIPTION
KINOJEVIS VOLCANICS (cont'd)	
3617.4 - 3619.9'	Silicified zone with 2 - 4% diss pyrite; CA = 30 degrees with moly/graphite in slip planes, 3090 ppb Au over 2.5'
3619.9 - 3622.5'	Relatively unaltered, 360 ppb Au over 2.6'
3702.5 - 3704.7'	4" wide quartz vein at 60 degrees in siliceous alteration
3704.7 - 3707.2'	Minor quartz stringers with 1/2" wide green altered dike
3707.2 - 3713.9'	FELDSPAR PORPHYRY DIKE - reddish-grey, fine-grained matrix, chilled margins with minor 1 mm sized feldspar crystals in centre, contact 30 degrees, magnetic
3713.9 - 3726.6'	Dark coloured, magnetic
3726.6 - 3736.7'	INTERMEDIATE DIKE (Lamprophyre ?) - greenish-grey, fine-grained matrix with biotite, minor feldspar clast non-magnetic, upper contact at 20 degrees, quartz veining within and on contacts
3759.3 - 3770.1'	Irregular quartz veins in silicified rock
3768 - 3769.2'	LAMPROPHYRE DIKE - grey with biotite contact at 35 degrees
3774.6 - 3779.2'	INTERMEDIATE DIKE - grey; CA = 50 degrees
3795.9 - 3800.9'	ALTERED GREEN DIKE - CA = 40 degrees, 1/2" quartz veinlets on contacts
3800.9 - 3882.6'	Quartz veinlets and stringers, less than 1% diss pyrite
3882.6 - 3887.6'	INTERMEDIATE DIKE - grey with feldspar phenocrysts, contact at 25 degrees
3887.8 - 3888.8'	Irregular quartz veinlets
3889.6 - 3890.3'	Minor quartz veinlets at 30 degrees, less than 1% disseminated pyrite
3892.5 - 3927'	BLEACHED ZONE - beige coloured with quartz veins and coarse diss. pyrite (1%) loss of magnetite
3915.6 - 3916.9'	Quartz vein, irregular, 1% py, 100 ppb Au over 1.3'
3927 - 4006'	Dark Mafic - gradational from bleached zone, magnetic

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FOOTAGE	DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

3978.2 - 3985.6'	INTERMEDIATE DIKE - greyish-green, feldspar-phyric, non-magnetic, altered augite crystals
3985.6 - 4006'	Magnetic, dark green to black; patchy silicification gives mottled texture to rock

4006' END OF HOLE

SURVEY TESTS

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DEPTH	STRIKE	DIP	DATE
Collar	350 degrees	-75 degrees	
124'	350 degrees	-75 degrees	July 8/86
332'	350 degrees	-75.5 degrees	July 20/86
436'	350 degrees	-76 degrees	July 7/86
822'	005 degrees	-76.5 degrees	July 20/86
906'	002 degrees	-76 degrees	July 7/86
1300'	352 degrees	-76 degrees	Apr 10/86
1970'	355 degrees	-78 degrees	Apr 10/86
2000'	358 degrees	-73 degrees	magnetic
2250'	002 degrees	-77.5 degrees	Apr 10/86
2400'	003 degrees	-75 degrees	
2970'	014 degrees	-72 degrees	
3110'	013 degrees	-70 degrees	
3600'	335 degrees	-72 degrees	magnetic
4006'	326 degrees	-65 degrees	magnetic

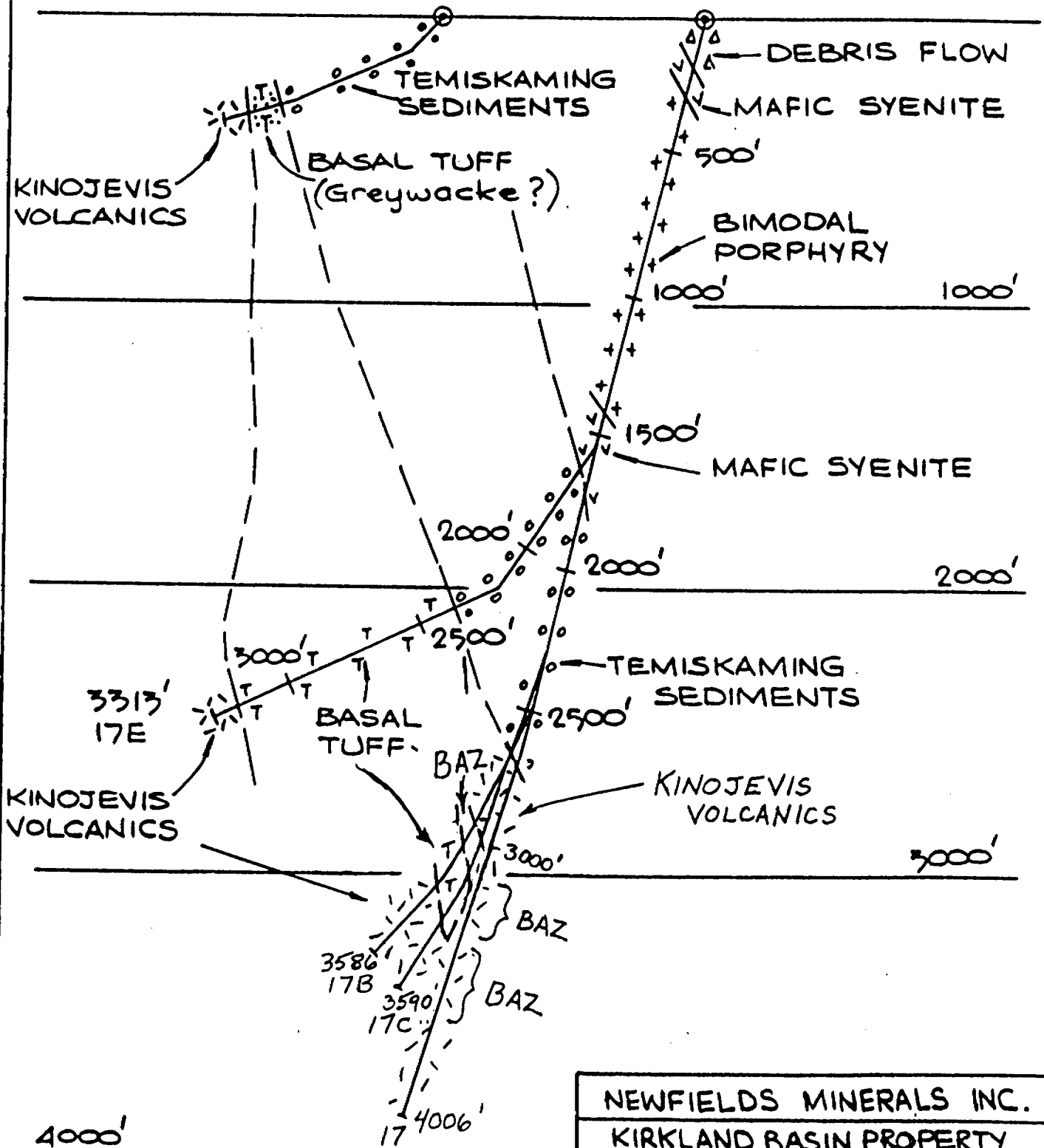
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SIGNED:

AZIMUTH N 350°

HOLE 86-N21

HOLE 85-N17



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLE 17, B, C, E, 21
SCALE 0 500' 1000'

SUMMARY LOG

HOLE: N-85-17A
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 203° from #1 of L-2859

DIP:

DATE DRILLED: Feb 10 - Feb 28, 1986

LOGGED BY: T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: To test gold zones up-dip

FOOTAGE

DESCRIPTION

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=====
Top of Wedge at 2476'

2486 - 2667'    TEMISKAMING SEDIMENTS - CONGLOMERATE

2667 - 3010.3' KINOJEVIS VOLCANICS

                2896.6 - 2900.4' INTERMEDIATE DIKE
                2900.4 - 2903.8' UPPER GOLD ZONE(?) - moly
                                fractures, minor quartz stringers,
                                1% pyrite, 30 ppb Au over 3.4'
                2906.8 - 2907.7' INTERMEDIATE DIKE

                2907.7 - 3009.9' BROWN ALTERED ZONE (BAZ)
                2940.7 - 2942.4' 1% pyrite in fractures, 630 ppb Au
                                over 1.7'
                3009.2 - 3010.3' INTERMEDIATE DIKE

3010.3 - 3197.5' BASAL TUFF (Temiskaming)

                3130.4 - 3197.5' Volcanic Conglomerate (regolith?)

3197.5 - 3926'  KINOJEVIS VOLCANICS

                3197.5 - 3204.0' GRAPHITIC CHERT AND SCHIST
                3204.0 - 3339'  Grey volcanics, bleached
                3524.7 - 3645'  Hyaloclastite
                3634.3 - 3639'  Graphitic Sediments

3926'          END OF HOLE
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SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: LOCATION: 1490' @ az. 203° from #1 of L-2859
 DIP: DATE DRILLED: Feb 10-28, 1986
 LOGGED BY: T Twomey
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE: To test gold zones up dip from N-85-17

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FOOTAGE	DESCRIPTION
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Top of Wedge at 2476'

2486' - 2667' TEMISKAMING SEDIMENTS - CONGLOMERATE

Polymictic clast supported in dark green, fine-grained matrix, stretched clasts, foliation; CA = 15 degrees, local minor, irregular quartz veins

2488 - 2492' FELSIC DIKE with quartz eyes; CA = 15 degrees

2535 - 2536.8' ALTERED MAFIC DIKE

2537 - 2566' SERICITIC ZONE - highly schistose; CA = 20 - 30 degrees, contains minor green mica

2539.8 - 2549.2' Ptygmatic quartz veinlets, over 1% pyrite in altered zone

2566 - 2682' Less altered, deformed

2582 - 2624' SERICITIC ZONE

2601.7 - 2604.1' Minor quartz veining in altered zone

2624' Grades out of sericitic alteration

2665.5 - 2668.2' Minor quartz veinlets at contact; CA = 20 degrees

2667 - 3010.3' KINOJEVIS VOLCANICS

Non-magnetic, dark green, fine-grained, locally tuffaceous and/or porphyritic, local Qtz-fsp-carb veins and stringers, leucoxene

2666 - 2678' Porphyritic

2673.8 - 2674.8' Quartz veinlets; CA = 25 degrees

2771.0 - 2772.7' 1/2' wide quartz veinlets; CA = 80 degrees

2772.7 - 2774.8' Ptygmatic quartz stringers in siliceous mafics

2780.3 - 2781.9' Quartz vein with chloritic fractures and 1% pyrite

2784.7 - 2787.7' Quartz stockwork in siliceous mafics

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FOOTAGE DESCRIPTION

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KINOJEVIS VOLCANICS (cont'd)

2797.6 - 2799.8'	Quartz veinlets at 35 degrees to core
2888.5 - 2893.1'	Irregular calcite and quartz veinlets; less than 1% pyrite
2893.1 - 2896.6'	Sericitic schist with quartz stringers and minor green mica
2896.6 - 2900.4'	INTERMEDIATE DIKE - moly slip? on upper contact
2900.4 - 2903.8'	Upper Gold Zone? - moly fractures, minor quartz stringers, 1% pyrite, 30 ppb Au over 3.4'
2903.8 - 2906.8'	Altered with hematite, dark coloured, 1% pyrite in fractures and minor moly
2906.8 - 2907.7'	INTERMEDIATE DIKE - CA = 35 degrees, sericitic, minor quartz veinlets
2909.7 - 2913'	Altered, grades to brown-purple
2913 - 3009.9'	BROWN ALTERED ZONE (BAZ) - sericitic and hematitic, with leucoxene, quartz, and pyrite (less than 1%), schistose
2929.7 - 2930.3'	INTERMEDIATE DIKE - altered, minor green mica
2940.7 - 2942.4'	1% pyrite in fractures, 630 ppb Au over 1.7'
2042.4 - 2958.0'	Altered, 1% pyrite in fractures, 210 ppb Au over 3.0' from 2955.0 - 58.0'
2982.0 - 2985.0'	Minor quartz-feldspar veinlets, tr. py and mo, 250 ppb Au over 3.0'
3009.2 - 3010.3'	INTERMEDIATE DIKE - grey-coloured
3010.3 - 3197.5'	BASAL TUFF
3010.3 - 3130.4'	SERICITIC-REWORKED TUFF/GREYWACKE - highly deformed, schistose, light green to grey coloured, sharp contact CA = 30 degrees, graded beds preserved, younging direction is south
3030 - 3045.6'	Brecciated quartz veining
3014 - 3046'	Bedding (?) perpendicular to and deformed by schistosity, contacts at low angle to core axis
3046 - 3048'	Crystal tuff-textured

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FOOTAGE DESCRIPTION

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BASAL TUFF (cont'd)

3062' Folding, reversed younging directions
3064' Fold nose, schistosity axial planar
3075.0 - 3078.0' Sericite schist with minor quartz
veinlets, 110 ppb Au over 3.0'
3110.3 - 3112.3' INTERMEDIATE DIKE - grey, sericitic,
contacts at 45 degrees

3130.4 - 3197.5' VOLCANIC CONGLOMERATE (Regolith)
Dark grey coloured, 1 cm sized
angular fragments of tuff, quartz,
and chert with disseminated pyrite,
in a sericitic matrix, minor 1 inch
size rounded fragments of black
graphitic chert
3130.4 - 3137.0' Crystal tuff-textured
3171.5 - 3197.5' Larger volcanic fragments with
narrow zones of gritty fragmented
chert, graphite, and volcanics
3186 - 3197.5' May be surface weathered Kinojevis
Volcanics
3192 - 3195' Quartz albite breccia vein parallel
to core axis with pygmatic
graphitic chert bands (bedding?)

3197.5 - 3926' KINOJEVIS VOLCANICS

3197.5 - 3204.0' GRAPHITIC CHERT/SCHIST with
white quartz; blocky ground
3202.5 - 3204.3' Fault gouge (graphitic)
3204.0 - 3339.5' GREY VOLCANICS - minor feldspar
crystals, sericitic and increasingly
carbonated down the hole, contacts
at 45 degrees
3210' Calcite amygdules present
3236' Chilled margin
3246 - 3248' Calcite vein parallel to core axis
3250' Feldspar crystals now occur
(mm sized)
3287' Becomes brecciated
3293 - 3294' LAMPROPHYRE DIKE ? - light
green, brecciated
3294 - 3339.5' Darker, greenish grey, non-carbonated,
massive with brecciated sections
(flow top breccia ?)
3334 - 3339.5' Carbonated

FOOTAGE

DESCRIPTION

KINOJEVIS VOLCANICS (cont'd)

3339.5 - 3347.2'	LAMPROPHYRE DIKE - greenish-grey coloured, 3% black biotite, minor carbonate
3347.2 - 3375.5'	Dark green-grey, carbonated, amphibole phenocrysts present
3375.5 - 3504.4'	Grey, fine-grained matrix with minor mm-sized feldspar crystals; amygdules filled with calcite, chlorite and/or sulphides
3445 - 3460'	Silicic with quartz eyes present
3460 - 3504.4'	Carbonated with calcite amygdules
3504.4 - 3524.7'	GRAPHITIC CHERT/SCHIST with py nodules; CA = 35 degrees
3513.5 - 3516.0'	Brecciated with white quartz vein, 100 ppb Au over 2.5'
3524.5 - 3525'	Graphite with fault gouge
3524.7 - 3645'	HYALOCLASTITE AND MASSIVE VOLCANICS - Bleached grey-beige, fine-grained, carbonated, numerous hyaloclastite sections
3526 - 3531'	Intercalated graphite and silicic hyaloclastite with minor quartz veins at CA = 45 degrees
3541.0 - 3542.0')	INTERMEDIATE DIKE - grey, carbonated, contacts at 60 degrees
3550.5 - 3552'	
3550.5 - 3552'	
3600 - 3603'	Intercalated hyaloclastite and graphitic sediments
3629'	Relict pillow selvages in hyaloclastite
3634.3 - 3639.6'	GRAPHITIC SEDIMENTS - with pyrite nodules
3645 - 3926'	MASSIVE MAFIC VOLCANICS - Carbonated, bleached, grey-green; 5% finely diss. leucoxene
3676'	Becomes medium-grained and leucocratic, still carbonated; mottled appearance due to chloritic knots, parts are silicic with quartz-filled fractures
3732.0 - 3733.5'	Platy grey metallic mineral on cleavage planes at 45 and 20 degrees
3790.5 - 3796.5'	INTERMEDIATE DIKE - carbonated, grey; CA = 65 degrees

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FOOTAGE	DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

3800 - 3925'	Loss of pervasive carbonate, only discreet fracture-controlled carbonate
3920.0 - 3925.0'	MAFIC DIKE - fine-grained
3925 - 3926'	Carbonated, fractured mafic volcanic
3926'	END OF HOLE

SURVEY TESTS (Sperry Sun)

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DEPTH	STRIKE	DIP
2460' (17)	007 degrees	-71 degrees
2610'	337 degrees	-70 degrees
2883'	341 degrees	-65 degrees
3050'	345 degrees	-53 degrees
3316'	000 degrees	-45 degrees
3506'	003 degrees	-46 degrees
3700'	005 degrees	-48 degrees
3910'	004 degrees	-49.5 degrees

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SIGNED:

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17A
PAGE: 1

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2539.8 - 2542.4'	Ptygmatic quartz veins, 1% pyrite, in sericitic zone	5390	2.6	nil
2547.3 - 2549.2'	Minor ptygmatic quartz veinlets, in sericitic zone	5391	1.9	nil
2601.7 - 2604.1'	Minor quartz veining in altered zone	5392	2.4	nil
2652 - 2654.2'	Minor quartz-albite stringers; CA = 20 degrees	5393	2.2	10
2662.7 - 2663.7'	Minor irregular quartz veins	5394	1.0	60
2666.5 - 2668.2'	Minor quartz veinlets at contact; CA = 20 degrees	5395	1.7	nil
2669.9 - 2670.9'	Minor quartz veinlets	5396	1.0	nil
2673.8 - 2674.8'	Quartz veinlets; CA = 25 degrees	5397	1.0	nil
2717.9 - 2720.5'	Irregular calcite veinlets	5398	2.6	nil
2726.0 - 2728.5'	Irregular calcite veinlets with hematite fractures	5399	2.5	nil
2736.0 - 2738.5'	Irregular calcite veinlets	5601	2.5	nil
2763.5 - 2766.0'	As above	5602	2.5	nil
2771.0 - 2772.7'	Two 1/2" wide quartz veins; CA = 80 degrees	5603	1.7	20
2772.7 - 2774.8'	Ptygmatic quartz stringers in silicified mafic rock	5604	2.1	20
2780.3 - 2781.9'	Quartz vein with chlorite fractures with 1% pyrite	5605	1.6	20
2784.7 - 2787.7'	Quartz sotckwork in silicified mafics	5606	3.0	nil
2797.6 - 2799.8'	Quartz veinlets at 35 degrees to core axis	5607	2.2	nil
2799.8 - 2800.8'	Quartz vein at 45 degrees with chlorite fractures	5608	1.0	10
2804.5 - 2805.7'	Irregular quartz veinlets	5609	1.2	nil
2829 - 2831.6'	1' wide irregular quartz vein with chlorite	5610	1.7	nil
2831.6 - 2833.2'	Irregular quartz veins	5611	1.6	nil
2836.3 - 2837.8'	As above	5612	1.5	nil
2851.3 - 2852.8'	Irregular calcite veinlets	5613	1.5	nil
2862.2 - 2864.5'	Irregular quartz and calcite veinlets	5614	2.3	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17A
PAGE: 2

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2869.8 - 2871.6'	Irregular calcite veins	5615	1.8	nil
2879.2 - 2881.2'	Irregular quartz and calcite veinlets	5616	2.0	nil
2881.2 - 2883.7'	As above	5617	2.5	nil
2883.7 - 2886'	As above	5618	2.3	nil
2886 - 2888.5'	As above	5619	2.5	nil
2888.5 - 2891'	As above with 1% pyrite	5620	2.5	nil
2891 - 2893.1'	As above	5621	2.1	30
2893.1 - 2896.6'	Sericitic schist alteration with quartz stringers and minor green mica	5622	3.5	nil
2896.6 - 2900.4'	Intermediate dike	5623	4.4	nil
2900.4 - 2903.8'	Gold zone? Graphite/moly fractures? Minor quartz stringers, 1% pyrite	5624	3.4	30
2903.8 - 2906.8'	Dark coloured altered mafic with hematite, 1% pyrite and minor moly?	5625	3.0	10
2906.8 - 2909.7'	Intermediate dike; CA = 35 degrees, sericitic, minor quartz stringers	5626	2.9	nil
2909.7 - 2912.7'	Altered dark mafic--grades into brown altered zone below	5627	3.0	50/40
2912.7 - 2916'	Hematitic, sericitic, (brown altered zone) minor pyrite	5628	3.3	nil
2916 - 2919'	As above	5629	3.0	nil
2919 - 2922'	As above	5630	3.0	nil
2922 - 2925'	As above	5631	3.0	nil
2925 - 2927.5'	As above	5632	2.5	nil
2927.5 - 2929.7'	As above	5633	2.2	nil
2929.7 - 2930.3'	Altered intermediate dike, minor green mica	5634	0.6	nil
2930.3 - 2933.3'	Brown altered zone (cont'd)	5635	3.0	30
2933.3 - 2936'	As above	5636	2.7	nil
2936 - 2939'	Brown altered zone (cont'd)	5637	3.0	nil
2939 - 2940.7'	As above	5638	1.7	nil
2940.7 - 2942.4'	As above, 1% pyrite in fractures	5639	1.7	640
2942.4 - 2946'	As above	5640	3.6	20
2946 - 2949'	As above	5641	3.0	nil
2949 - 2952'	As above	5642	3.0	nil
2952 - 2955'	As above, with 4" quartz	5643	3.0	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17A
PAGE: 3

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
	vein, 1% disseminated pyrite			
2955 - 2958'	As above	5644	3.0	210
2958 - 2961'	As above	5645	3.0	nil
2961 - 2964'	As above	5646	3.0	nil
2964 - 2967'	As above	5647	3.0	20
2967 - 2970'	As above with 1" wide quartz vein	5648	3.0	nil
2970 - 2973'	As above	5649	3.0	nil
2973 - 2976'	As above	5650	3.0	nil
2976 - 2979'	As above	5651	3.0	nil
2979 - 2982'	As above with minor quartz-albite veinlets	5652	3.0	20
2982 - 2985'	As above with 1" zone pyrite, moly	5653	3.0	250/190
2985 - 2988'	Brown altered tuff, minor quartz-albite veinlets	5654	3.0	nil
2988 - 2991'	As above	5655	3.0	nil
2991 - 2994'	As above with numerous quartz veinlets, (irregular)	5656	3.0	nil
2994 - 2997'	with 1% disseminated pyrite As above with minor quartz veinlets	5657	3.0	nil
2997 - 3000'	As above with minor quartz veinlets	5658	3.0	nil
3000 - 3003'	As above with minor quartz veinlets	5659		nil
3003 - 3005'	As above with minor quartz veinlets	5660		nil
3005 - 3007'	As above with minor quartz veinlets	5661		nil
3007 - 3009'	Sericite schist,--reworked tuff	5662		nil
3009 - 3010'	As above	5663		nil
3010 - 3012.5'	As above	5664		nil
3012.5 - 3015'	As above	5665		10
3015 - 3018'	Brecciated quartz vein, 1% disseminated pyrite; in sericitic schist	5666		30
3018 - 3021'	Sericite schist	5667		nil
3021 - 3024'	As above	5668		nil
3024 - 3027'	As above	5669		nil
3027 - 3031'	As above	5670		nil
3031 - 3035'	Quartz, brecciated quartz	5671	4.0	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17A
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
	vein; CA = 20 degrees			
3035 - 3038'	Sericite schist	5672	3.0	nil
3038 - 3042'	As above	5673	4.0	10
3042 - 3046'	As above	5674	4.0	nil
3046 - 3048'	Intercalated crystal tuff and sericite schist	5675	2.5	nil
3048.5 - 3051'	Sericite schist	5676		nil
3051 - 3054'	As above	5677		nil
3054 - 3057.5'	As above	5678		nil
3057.5 - 3060.5'	As above	5679		10
3060.5 - 3063.5'	As above	5680		nil
3063.5 - 3066'	As above with 1% coarse cubic pyrite	5681		nil
3066 - 3069'	Sericite schist	5682	3.0	nil
3069 - 3072'	As above with minor quartz veinlets	5683	3.0	nil
3072 - 3075'	As above	5684	3.0	nil
3075 - 3078'	As above	5685	3.0	130/100
3078 - 3081'	Sericite schist	5686	3.0	nil
3081 - 3084'	As above	5687	3.0	10
3084 - 3087'	As above	5688	3.0	nil
3087 - 3089'	As above with minor quartz veinlets, 1% disseminated pyrite	5689	2.0	nil
3089 - 3091'	As above	5690	2.0	nil
3091 - 3093'	As above	5691	2.0	20
3093 - 3096'	As above	5692	3.0	20
3096 - 3099'	Sericite schist	5693	3.0	nil
3099 - 3102'	As above with minor quartz veinlets, 1% pyrite	5694	3.0	nil
3102 - 3105'	As above	5695	3.0	20
3105 - 3108'	As above	5696	3.0	10
3108 - 3110.3'	Sericite schist	5697	2.3	nil
3110.3 - 3112.3'	Intermediate dike with 1% disseminated pyrite	5698	2.0	nil
3112.3 - 3115'	Sericite schist	5699	2.7	nil
3115 - 3118'	As above	5700	3.0	nil
3118 - 3121'	As above	5701	3.0	nil
3121 - 3124'	As above with minor quartz veinlets	5702	3.0	nil
3124 - 3127'	As above	5703	3.0	10
3127 - 3130.2'	As above	5704	3.2	10
3130.2 - 3133'	Sericite schist with quartz veining near bottom	5705	2.8	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17A
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
3133 - 3136'	Intermixed crystal tuff and volcaniclastic conglomerate	5706	3.0	nil
3136 - 3140.5'	As above	5707	4.5	20
3160 - 3163.6'	Volcaniclastic conglomerate	5708	3.0	nil
3169 - 3170.3'	As above	5709	1.3	10
3197.4 - 3198.8'	Graphite schist, silicified, with calcite veins	5710	1.4	20
3198.8 - 3200.3'	As above	5711	1.5	30
3200.3 - 3202.3'	As above	5712	2.0	nil
3202.3 - 3204.6'	As above	5713	2.3	nil
3420 - 3422'	Intermediate volcaniclastic	5714	2.0	nil
3435.8 - 3438.8'	As above	5715	3.0	10
3496.5 - 3499.2'	As above	5716	2.7	10
3499.2 - 3500.5'	As above	5717	1.3	nil
3500.5 - 3501.5'	Intermediate volcaniclastic	5718	1.0	nil
3501.5 - 3503.5'	As above	5719	2.0	60
3503.5 - 3507'	Graphitic black chert with minor pyrite nodules	5720	3.5	40
3507 - 3510'	As above	5721	3.0	70
3510 - 3513.5'	As above with brecciated quartz-calcite vein	5722	3.5	10
3513.5 - 3516'	As above	5723	2.5	100
3516 - 3519'	As above	5724	3.0	40
3519 - 3522'	As above	5725	3.0	30
3522 - 3525'	As above	5726	3.0	20
3525 - 3528'	Altered hyaloclastite (mafic volcanics)	5727	3.0	20
3528 - 3531.2'	Intercalated graphite schist and hyaloclastite	5728	3.2	10
3534.2 - 3535.6'	Altered hyaloclastite	5729	1.4	20
3538.8 - 3540.7'	As above	5730	1.9	nil
3582.2 - 3585'	As above	5731	2.8	10
3599.5 - 3601.4'	Altered hyaloclastite	5732	0.9	nil
3606.5 - 3608'	As above	5733	1.5	nil
3633.2 - 3636'	Hyaloclastite with intercalated graphitic schist	5734	2.8	nil
3636 - 3639.5'	Graphitic sediments with pyrite nodules	5735	3.5	10
3675 - 3677'	Irregular quartz veinlets with 1% disseminated pyrite in altered volcanics	5736	2.0	nil
3678.7 - 3682.0'	Fractured and quartz	5737	3.3	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

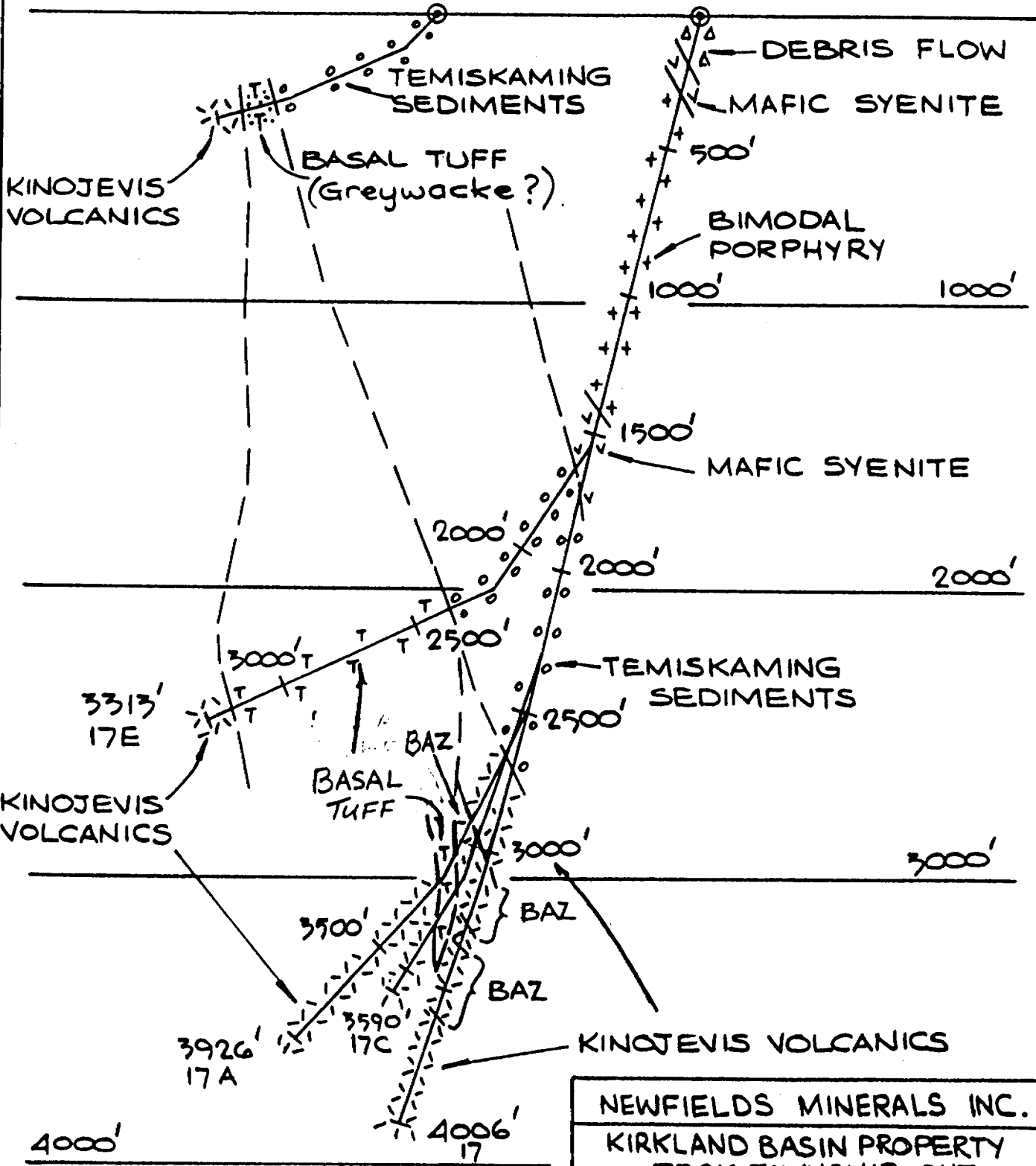
HOLE: N-85-17A
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
	veinlets with minor green metallic grey mineral			
3682.0 - 3684.5'	As above	5738	2.5	10
3707.9 - 3711.8'	Fractured and altered mafics, minor quartz veinlets; 1% pyrite, grey metallic mineral	5739	3.7	10
3722 - 3726'	As above	5740	4.0	10
3726 - 3729.5'	As above with 1% grey metallic mineral on cleavage planes	5741	3.5	nil
3729.5 - 3732.5'	As above	5742	3.0	nil
3732.5 - 3734.5'	As above	5743	2.0	30
3734.5 - 3738.8'	As above	5744	4.3	20
3747.8 - 3748.9'	1/2' wide quartz vein; CA = 70 degrees, unaltered mafics	5745	1.1	nil
3756 - 3759.7'	Altered mafic volcanics	5746	3.7	nil
3768.6 - 3772.2'	As above	5747	3.6	nil
3772.2 - 3775.5'	As above	5748	3.3	nil
3789.7 - 3785.7'	As above with quartz vein	5749	1.0	nil
3831 - 3836'	Silicified medium-grained mafic volcanic, minor pyrite and grey metallic minerals in fractures	5750	5.0	nil
3867.7 - 3869.5'	As above	5751	1.8	nil
3917.5 - 3920'	Quartz-calcite stockwork with 1% disseminated pyrite in altered mafic volcanics	5752	2.5	nil
3925 - 3926'	As above	5753	1.0	nil

AZIMUTH N 350°

HOLE 86-N21

HOLE 85-N17



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLE 17, A, C, E, 21
SCALE 0 500' 1000'

SUMMARY LOG

HOLE: N-85-17B
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: LOCATION: 1490' @ az. 203° from #1 of L-2859
DIP: DATE DRILLED: MAR 3 - MAR 15, 1986
LOGGED BY: J Mucklow, T Twomey
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: To test gold zones in N-85-17 to the west

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FOOTAGE	DESCRIPTION
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Top of Wedge at 2375'

2388 - 2636' TEMISKAMING SEDIMENTS - CONGLOMERATE

2636 - 3157.2' KINOJEVIS VOLCANICS

2855.0 - 2879.9' INTERMEDIATE DIKE

2879.9 - 2967.4' BROWN ALTERED ZONE (BAZ)

2912.4 - 2931.3' Abundant quartz-albite veining
with 5% coarse pyrite, 1050 ppb
Au over 7.7'

2967.4 - 2968.6' INTERMEDIATE DIKE

2968.6 - 3157.2' BASAL TUFF (Temiskaming)

3157.2 - 3586' KINOJEVIS VOLCANICS

3157.2 - 3170.5' GRAPHITIC CHERT AND SCHIST

3170.5 - 3216' Hyaloclastite

3522 - 3547.6' GRAPHITIC CHERT AND SCHIST

3586' END OF HOLE

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SIGNED:

DRILL LOG

HOLE: N-85-17B
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 203° from #1 of L-2859

DIP:

DATE DRILLED: Mar 3 - 15, 1986

LOGGED BY: J Mucklow, T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: To test anomalies of N-85-17 to west

FOOTAGE

DESCRIPTION

Top of wedge at 2375'

2388 - 2636'

TEMISKAMING SEDIMENTS - CONGLOMERATE

Polymictic, clast supported in a mafic matrix, jasper clasts present; mainly cobble to pebble-sized, elongate (CA = 15 - 20 degrees) clasts, local intercalations of greywacke

2456.7 - 2458'

Quartz-feldspar veining, no sulfides

2515 - 2520'

Becoming increasingly sericitic

2520 - 2596'

Strongly sericitic

2527 - 2540'

Siliceous with quartz-feldspar veining and pods

2596 - 2601'

Becoming decreasingly sericitic

2636 - 3157.2'

KINOJEVIS VOLCANICS

Feldspar-phyric to fine-grained mafic volcanics, locally tuffaceous, pervasive carbonate, leucoxene

2663.8 - 2666'

Highly carbonated

2667.7 - 2668.8'

Quartz-feldspar-carbonate veinlets

2696.6 - 2701'

Massive, green, fine-grained, flow

2743 - 2744.4'

Quartz-Feldspar veining and stringers

2746.6 - 2747.7'

Quartz-feldspar-carbonate veining, trace pyrite

2766 - 2776'

Albitic with numerous feldspar-carbonate stringers

2820.6 - 2822'

Intercalated, biotitic and feldspathic sediments

2830 - 2831'

Quartz-feldspar veining with shearing, trace pyrite

2855.0 - 2879.9

INTERMEDIATE DIKE - grey, fine-grained, sparse green chloritic phenocrysts and locally abundant buff to pinkish feldspathic phenocrysts; upper CA = 55 degrees; lower CA = 50 degrees

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FOOTAGE

DESCRIPTION

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KINOJEVIS VOLCANICS (cont'd)

2857.5 - 2858.8'	Quartz-feldspar veining
2878.9 - 2879.9'	Brecciated and sheared with blobs of quartz-feldspar CA = 50 degrees
2879.9 - 2967.4'	BROWN ALTERED ZONE (BAZ) varying hues from orange, red, buff to brown, purple, greyish; numerous (10%) hematite blobs (altered magnetite); up to 10% buff-white, clayey looking mineral (possibly leucoxene); highly feldspathic, sericitic on slip faces
2879.9 - 2883.0'	Chloritic and locally sericitic breccia zone with 10 - 30% quartz-feldspar flooding; pyritic seams, 205 ppb Au over 3.1'
2881.8 - 2882.3'	30% fine pyrite
2889 - 2891'	No hematite blobs
2895.5 - 2897'	No hematite blobs
2897 - 2899.7'	INTERMEDIATE DIKE - as at 2885 - 2879.9'; CA = 20 degrees
2912.4 - 2931.3'	Bleached, no hematite; locally 10 - 70% quartz-feldspar veining with coarse pyrite associated with vein margins, in veinlets, or disseminated, apparently replacive after hematite (pyrite 3 - 10%); 640 ppb Au over 17.4', includes 1050 ppb Au over 7.7'
2936 - 2940'	5% pyrite associated with quartz-feldspar veining (10%) disseminated replacing hematite?
2967.4 - 2968.6'	INTERMEDIATE DIKE
2968.6 - 3157.2'	BASAL TUFF
2968.6 - 3093.5'	REWORKED, SERICITIC ASH-TUFF - (greywacke?), highly schistose, no sign of jasper, graded bedding reversals common
2968.6 - 2971.5'	Quartz-feldspar veinlets and stringers in sericitic schist
3010.5 - 3013.5'	Quartz-feldspar veining
3034.3 - 3035'	Ground core (possible fault gouge)
3040.0 - 3045.5'	Quartz-feldspar stringers locally associated with trace pyrite

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FOOTAGE DESCRIPTION

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BASAL TUFF (cont'd)

3053.7 - 3055.5' Quartz-feldspar stringers with trace of pyrite in bleached grey sericitic sediments

3082 - 3093.5' Numerous quartz-feldspar stringers locally with trace of pyrite

3093.5 - 3157.2' INTERMEDIATE TUFF - grey, medium hard, bleached?

3093.5 - 3116' Very fine-grained with fine disseminated pyrite (less than 1%)

3093.5 - 3101.2' Numerous quartz-feldspar stringers

3116 - 3157.2' LAPILLI TUFF - several coarsening sequences downhole, locally disseminated pyrite, polymictic

3116 - 3119' Quartz-feldspar stringers

3126.0 - 3130.5' Quartz-feldspar stringers, 140 ppb Au over 4.5'

3135' Black chert fragments first appear, becoming increasingly abundant downhole, jagged edged, regolith?

3148.7 - 3152.4' Numerous black chert fragments

3152.4 - 3157.2' Sericitic

3157.2 - 3586'

KINOJEVIS VOLCANICS

3157.2 - 3170.5' GRAPHITIC CHERT/SCHIST - white quartz veining, locally 10% coarse pyrite and pyrite nodules, locally well carbonated

3169.5 - 3170.5' Grading into intermediate and hyaloclastite

3170.5 - 3216' INTERMEDIATE HYALOCLASTITE - grey, tuffaceous, 1 - 2% disseminated clots of pyrite, locally more abundant, pervasive carbonate as well as 3 - 4% spherical 2 mm calcite amygdules

3216 - 3522' INTERMEDIATE VOLCANICS - grey to green-grey, generally medium-fine grained to porphyritic with isolated 2 mm crystals of feldspar, pervasive carbonate, trace pyrite

3224.5 - 3227.5' Porphyritic

3227.5 - 3229.3' Interflow hyaloclastite

3229.3 - 3231.6' Porphyritic

FOOTAGE

DESCRIPTION

KINOJEVIS VOLCANICS (cont'd)

3231.6 - 3235'	Interflow hyaloclastite
3135 - 3144'	Porphyritic
3144 - 3144.5'	Interflow hyaloclastite
3144.5 - 3255.5'	Porphyritic; several zones of fracture associated pyrite
3255.5 - 3259.9'	Interflow hyaloclastite
3259.5 - 3265.8'	Porphyritic
3265'	2" siliceous vein with 30% pyrite
3258'	3" fracturing with 30% pyrite
3265.8 - 3270.2'	Interflow hyaloclastite
3270.2 - 3319'	Medium-grained; equigranular with numerous zones of interflow hyaloclastite
3319.4 - 3325.6'	Very fine-grained with 20% microlites of plagioclase (over 1 mm), upper contact CA = 40 degrees
3325.6 - 3334'	INTERMEDIATE DIKE? - 5% acicular crystals of hornblende (3 mm long) throughout except the core zone (3329.6 - 3331.5') which is 50 - 70% hornblende; CA = 25 - 30 degrees
3334 - 3384'	Medium-grained equigranular
3384 - 3442'	Porphyritic (2 - 5 mm glomerophenocrysts of plagioclase, 30% in very fine-grained groundmass), discreet carbonate
3442 - 3520.5'	Porphyritic as above but amygduloidal locally filled with carbonate and/or pyrite and/or zeolite? and/or silica (where silicic); locally siliceous
3520.5 - 3522'	Hyaloclastic with black chert, regolith?
3522 - 3547.6'	GRAPHITIC CHERT/SCHIST - numerous pyrite nodules
3523.6 - 3526'	Amygduloidal intermediate volcanics
3526 - 3533.7'	Black chert with graphite slips, white quartz and pyrite nodules
3533.7 - 3544'	Very fine-grained, highly fractured, intermediate volcanics (hyaloclastite?)
3536.2 - 3539.3')	60% grey quartz and
3543 - 3544') feldspar crystals; 1% pyrite

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FOOTAGE	DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

3544 - 3547.6'	Highly graphitic, carbonate and quartz veins common
3547.6 - 3586'	INTERMEDIATE HYALOCLASTITE - black chert to graphitic matrix commonly containing 1 - 3% pyrite (locally 5%) fragments commonly show chilled margins

3586' END OF HOLE

SURVEY TESTS (Sperry-Sun)

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DEPTH	STRIKE	DIP	DATE
2446'	008 degrees	-72.5 degrees	Mar 03
2636'	351 degrees	-65 degrees	Mar 05
2986'	345 degrees	-58 degrees	Mar 08
3286'	341 degrees	-50 degrees	Mar 11
3566'	341 degrees	-47.5 degrees	Mar 14

=====

SIGNED:

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17B
PAGE: 1

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2456.7 - 2458'	Quartz-feldspar veining, no sulfides in conglomerate	5754	1.3	nil
2521.5 - 2526.5'	Sericitic, conglomerate	5755	5.0	10
2526.5 - 2528.3'	Siliceous, sericitic and conglomerate	5756	1.8	nil
2528.3 - 2530.8'	Sericitic, conglomerate, local quartz-feldspar veins, fine disseminated pyrite	5757	2.9	20
2530.8 - 2533.3'	Siliceous, sericitic, quartz-feldspar stringers in conglomerate	5758	2.5	20
2533.3 - 2536'	Sericitic with quartz veins and pods, 1% disseminated pyrite	5759	2.7	30
2536 - 2537.7'	As above	5760	1.7	30
2537.7 - 2540.3'	Sericitic and siliceous conglomerate	5761	2.6'	nil
2540.3 - 2542.9'	Sericitic conglomerate	5762	2.6	60
2542.9 - 2546'	Sericitic	5763	3.1	nil
2546 - 2549'	Sericitic	5764	3.0	nil
2549 - 2552'	Sericitic	5765	3.0	40
2562.5 - 2566'	Sericitic	5766	3.5	40
2566 - 2569'	Sericitic	5767	3.0	nil
2569 - 2572'	Sericitic	5768	3.0	30
2572 - 2574.7'	Sericitic	5769	2.7	nil
2574.7 - 2578.7'	Sericitic and slightly siliceous, conglomerate	5770	3.5	nil
2578.7 - 2581'	Chloritic and sericitic conglomerate	5771	2.3	nil
2581 - 2584.5'	Siliceous and sericitic conglomerate	5772	3.5	20
2584.5 - 2588'	As above	5773	3.5	nil
2588 - 2592'	As above	5774	4.0	nil
2592 - 2596'	Sericitic conglomerate	5775	4.0	15
2596 - 2599'	As above	5776	3.0	10
2663.8 - 2666'	Highly carbonated mafic volcanic	5777	2.2	10
2667.7 - 2668.8'	Quartz-feldspar-carbonate veinlets in mafic volcanics	5778	1.1	nil
2743 - 2744.4'	Quartz-feldspar veining and stringers	5779	1.4	10
2746.6 - 2747.7'	Quartz-feldspar veining; trace pyrite	5780	1.1	40

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17B
PAGE: 2

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2766 - 2771'	Albitic mafic volcanics with feldspar-carbonate stringers	5781	5.0	nil
2771 - 2776'	As above	5782	5.0	nil
2830 - 2831'	Quartz-feldspar veining and shearing; trace pyrite in mafic volcanics	5783	1.0	nil
2857.5 - 2858.8'	Quartz-feldspar veining in intermediate dike	5784	1.3	nil
2878.9 - 2879.9'	Brecciated intermediate dike with quartz-feldspar blobs	5785	1.0	20
2879.9 - 2883'	Chloritic breccia; 10 - 30% quartz-feldspar; pyrite locally to 30%	5786	3.1	205
2883 - 2886'	Brown altered	5787	3.0	10
2886 - 2889'	As above	5788	3.0	nil
2889 - 2891'	As above with no hematite	5789	2.0	40
2891 - 2895.5'	Brown altered	5790	4.5	20
2895.5 - 2897'	As above with no hematite	5791	1.5	20
2897 - 2899.7'	Intermediate dike	5792	2.7	40
2899.7 - 2901.8'	Brown altered, no hematite, 1' quartz-feldspar vein	5793	2.1	20
2901.8 - 2904.3'	Brown altered	5794	2.5	30
2904.3 - 2906.9'	Brown altered, no hematite, 1' and 1/2" quartz vein with coarse pyrite	5795	2.6	110
2906.9 - 2909.9'	Brown altered, 2" quartz vein	5796	3.0	nil
2909.9 - 2912.4'	Brown altered, 2" quartz vein	5797	2.5	nil
2912.4 - 2916'	Bleached grey; local veinlets of coarse pyrite	5798	3.6	nil
2916 - 2929.2'	Bleached brown altered, quartz veins 5%, coarse pyrite veins	5799	3.2	300
2919.2 - 2921.5'	Bleached brown altered, 30% quartz veins; 10% coarse pyrite veins	5800	2.3	1110(0.03)
2921.5 - 2924.2'	Bleached brown altered, less than 60% quartz veining, 10% coarse pyrite veins	5801	2.7	510
2924.2 - 2926.9'	Bleached brown altered, 70% quartz veining, 10% coarse pyrite	5802	2.7	1500(.045)

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17B
PAGE: 3

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
2926.9 - 2931.3'	Brown altered, 10% quartz veining, 30% coarse pyrite	5803	4.6	410
2931.3 - 2933.2'	Brown altered, 3" quartz vein with associated coarse pyrite	5804	1.9	140
2933.2 - 2936'	Brown altered, hematite blobs	5805	2.8	nil
2936 - 2939.8'	Brown altered, no hematite, 5% pyrite especially associated with quartz veins	5806	3.8	nil
2939.8 - 2943.2'	Brown altered	5807	3.4	70
2943.2 - 2946'	As above	5808	3.4	nil
2946 - 2950'	As above	5809	4.0	nil
2950 - 2954'	As above	5810	4.0	20
2954 - 2957'	As above but with no hematite	5811	3.0	20
2957 - 2960.6'	Brown altered	5812	3.6	30
2960.6 - 2964.4'	As above	5813	2.8	nil
2964.4 - 2967.4'	As above but with no hematite	5814	3.0	10
2967.4 - 2968.6'	Intermediate dike	5815	1.2	nil
2968.6 - 2971.5'	Sericite schist with quartz-feldspar stringers and veinlets	5816	1.2	nil
2988.2 - 2989.2'	Sericite greywacke with quartz-feldspar-chlorite veinlets	5817	2.9	nil
3005 - 3007'	Quartz-feldspar veinlets in sericitic sediments	5818	2.0	nil
3010.5 - 3013.5'	Sericitic sediments with quartz-feldspar veinlets	5819	3.0	nil
3023.2 - 3024.2'	Sericitic sediments; quartz-feldspar stringers, coarse pyrite	5820	1.0	30
3040 - 3042.6'	Sericitic sediments; quartz veins and veinlets with trace pyrite	5821	2.6	20
3042.6 - 3045.5'	As above	5822	2.9	20
3043.7 - 3055.5'	Bleached sericitic sediments; quartz veins and veinlets with trace pyrite	5823	1.8	nil
3081.8 - 3086'	Sericitic sediments; numerous quartz-feldspar veinlets, trace pyrite	5824	4.2	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17B
PAGE: 4

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
3086 - 3089.8'	As above	5825	3.8	nil
3089.8 - 3093.5'	As above	5826	3.7	10
3093.5 - 3096.9'	Intermediate tuff, numerous quartz-feldspar stringers, disseminated pyrite	5827	3.4	20
3096.0 - 3101.2'	As above	5828	4.3	nil
3101.2 - 3103.5'	As above, trace of disseminated pyrite	5829	2.3	nil
3103.5 - 3106.9'	Intermediate tuff, vuggy calcite vein with pyrite at 3104.0'	5830	3.4	nil
3106.9 - 3111'	Intermediate tuff, trace of disseminated pyrite	5831	4.1	nil
3111 - 3116'	Intermediate tuff, trace of disseminated pyrite	5832	5.0	nil
3116 - 3119'	Intermediate lapilli tuff, quartz-feldspar stringers	5833	3.0	10
3119 - 3122.8'	Intermediate lapilli tuff	5834	3.8	nil
3122.8 - 3126'	Intermediate lapilli tuff, pyrite at 3137.6'	5835	3.2	10
3126 - 3130.5'	Intermediate lapilli tuff	5836	4.5	140
3130.5 - 3135'	As above	5837	4.5	nil
3135 - 3139'	As above	5838	4.0	nil
3139 - 3143'	As above with pyrite at 3139.5'	5839	4.0	nil
3143 - 3146'	As above with pyrite at 3145'	5840	3.0	nil
3146 - 3148.7'	Intermediate lapilli tuff	5841	2.7	nil
3148.7 - 3152.4'	Intermediate lapilli tuff, numerous black chert fragments	5842	3.7	nil
3152.4 - 3157.2'	Intermediate lapilli tuff, sericitic	5843	4.8	nil
3157.1 - 3161.5'	Graphitic schist	5844	4.3	20
3161.5 - 3166'	Graphitic schist	5845	4.5	nil
3166 - 3170.5'	As above	5846	4.5	nil
3170.5 - 3173'	Intermediate tuff, trace of pyrite associated with fractures	5847	2.5	nil
3173 - 3176'	As above	5848	3.0	20
3264.8 - 3266'	Porphyritic, intermediate, volcanic and siliceous pyritic veins	5849	1.2	20
3520 - 3522'	Hyalocalstite with black chert wisps	5850	1.5	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-17B
PAGE: 5

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
3522 - 3523.6'	Black chert, pyrite nodules	5851	1.6	10
3523.6 - 3526.6'	Amygduloidal volcanics	5852	3.0	20
3526.6 - 3529'	Black chert with hyaloclastite, pyrite nodules	5853	2.4	40
3529 - 3531.5'	Black chert; graphite slips, pyrite nodules	5854	2.5	40
3531.5 - 3533.7'	As above	5855	2.2	125
3533.7 - 3536.2'	Fine-grained, highly fractured volcanics	5856	2.5	nil
3536.2 - 3539.3'	As above with 60% quartz	5857	3.1	nil
3539.3 - 3543'	As at 3536.2 - 3539.3'	5858	3.7	nil
3543 - 3544'	As at 3536.2 - 3539.3'	5859	1.0	nil
3544 - 3547.3'	Graphitic schist grading into hyaloclastite; pyrite	5860	3.3	
3547.3 - 3551'	Pyritic hyaloclastite (intermediate)	5861	3.7	
3551 - 3556'	As above	5862	5.0	
3556 - 3561'	As above	5863	5.0	
3561 - 3566'	As above	5864	5.0	
3566 - 3571'	As above	5865	5.0	
3571 - 3576'	As above	5866	5.0	
3576 - 3581'	As above	5867	5.0	
3581 - 3586'	As above	5868	5.0	

Testing Anomalous Sludge Zones

2405 - 2410'	1806	5.0	15
2866 - 2870.6'	1807	4.6	10
2870.6 - 2874.8'	1808	4.2	8
2874.8 - 2879.0'	1809	4.2	10

SUMMARY LOG

HOLE: N-85-17C
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 203° from #1 of L-2859

DIP:

DATE DRILLED: Mar 18 - Apr 9, 1986

LOGGED BY: T Twomey, J Mucklow

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: To test gold zones further to the east

FOOTAGE

DESCRIPTION

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=====
Top of Wedge at 2323'
2334 - 2664'    TEMISKAMING SEDIMENTS - CONGLOMERATE
2664 - 3147.8' KINOJEVIS VOLCANICS
                2922.0 - 2942.2' INTERMEDIATE DIKE
                2942.2 - 3044'  BROWN ALTERED ZONE (BAZ)
                2942.2 - 2947'  1% disseminated pyrite, 324 ppb
                                Au over 4.8'
                3044 - 3103'  DARK GREEN MAFICS - gradational
                                contacts
                3103 - 3139'  BROWN ALTERED ZONE (BAZ)
                3117.0 - 3122.0' BAZ, 145 ppb Au over 5.0'
                3139.0 - 3147.8' INTERMEDIATE DIKE
3147.8 - 3300.7' BASAL TUFF (Temiskaming)
                3260.4 - 3263.4' INTERMEDIATE DIKE
                3280 - 3300.7'  Grey Crystal Tuff - similar
                                texture to above BAZ
3300.7 - 3590'  KINOJEVIS VOLCANICS
                3300.7 - 3302.1' GRAPHITIC VOLCANIC SCHIST
                3459.6 - 3465.5' GRAPHITIC CHERT AND SCHIST
                3465.5 - 3590'  Massive volcanics, bleached grey
3590'          END OF HOLE
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SIGNED:

DRILL LOG

HOLE: N-85-17C
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:
DIP:
LOGGED BY: T Twomey, J Mucklow
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: To test anomalous zones of N-85-17 to east

LOCATION: 1490' @ az. 203° from #1 of L. 2859
DATE DRILLED: Mar 18 - Apr 9, 1986

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FOOTAGE	DESCRIPTION
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=====

Top of wedge at 2323'

2334 - 2664'

TEMISKAMING SEDIMENTS - CONGLOMERATE

Local intercalations of greywacke,
numerous quartz-feldspar fractures/stringers

2426.5 - 2432.0' Irregular quartz-filled fractures
in conglomerate with minor green
mica and pyrite, 202 ppb Au
over 5.5'

2489.8 - 2491.3' Bleached greywacke with 1% diss.
pyrite and minor quartz-filled
fractures

2535.6 - 2664.5' SERICITIC ZONE - green, schistose
and sericitic with quartz-filled
fractures and stockworks, minor
pyrite and green mica

2541 - 2543' GREY DIKE, sericitic contacts at
25 degrees

2568 - 2582' Less intensely sericitic, grey
coloured

2664 - 3147.8'

KINOJEVIS VOLCANICS

Plagioclase-phyric in a fine-grained, dark green,
mafic matrix, foliated at 30 degrees to CA,
locally tuffaceous

2664 - 2695' Transition Zone - intercalations
of mafic tuff and conglomerate,
at approximately 1 - 2 ft
intervals, (regolith?)

2703 - 2710 Reamed for wedge

2719.8 - 2724.5' Irregular quartz veinlets

2743.3 - 2762' Irregular quartz-calcite-feldspar
veinlets, locally less than 1% pyrite

2775 - 2790' Abundant quartz veinlets, in
bleached mafics

2854 - 2857' Coarse-grained, feldspar-phyric
with fine-grained chloritic
matrix

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FOOTAGE DESCRIPTION

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KINOJEVIS VOLCANICS (cont'd)

2922.0 - 2942.2'	INTERMEDIATE DIKE - grey, minor red feldspars, irregular quartz-feldspar veinlets within and on contacts; 116 ppb Au over 2.1' at 2936.7 - 2938.8'
2942.2 - 3044'	BROWN ALTERED ZONE (BAZ) - hematitic, sericitic, with leucoxene, minor quartz-feldspar veinlets, trace pyrite
2942.2 - 2947'	1% disseminated cubic pyrite, 324 ppb Au over 4.8'
2997 - 3002'	No core, reamed at wedge
3044'	Grades out of BAZ
3044 - 3103'	DARK GREEN MAFICS
3082 - 3090'	Minor quartz-feldspar veinlets with 1% disseminated pyrite
3098 - 3103'	No core, wedged and reamed
3103 - 3139.0'	BROWN ALTERED ZONE (BAZ) with numerous quartz-feldspar veinlets with 1% pyrite
3117.0 - 3122.0'	Anomalous, 145 ppb Au over 5.0'
3139.0 - 3147.8'	INTERMEDIATE DIKE - grey-coloured, sericitic; CA = 35 degrees
3143.5 - 3147.8'	Quartz veining and brecciated stockworks, less than 1% pyrite
3147.8 - 3300.7'	BASAL TUFF
3147.8 - 3280'	REWORKED SERICITIC ASH-TUFF - greenish-yellow, schistose at 30 - 35 degrees to CA, abundant graded beds, rip-up clasts
3260.4 - 3263.4'	INTERMEDIATE DIKE - grey-coloured
3271.9 - 3279'	Quartz-feldspar fragmental unit Chaotic angular fragments in a fine-grained grey silicified matrix (tectonic or clastic?)
3279 - 3280'	Sericitic sediments

FOOTAGE

DESCRIPTION

BASAL TUFF (cont'd)

3280 - 3300.7' GREY CRYSTAL TUFF - texturally similar to BAZ above, grey-coloured, feldspar-phyric (elongated, approximately 0.5 cm), mm sized quartz eyes; mottled appearance due to fibrous mats of altered mafic mineral; numerous angular clasts of clayey sediment? and light green altered fragments of crystal tuff

3289.5 - 3293' Silicic zone with quartz-breccia veining

3300.7 - 3590'

KINOJEVIS VOLCANICS

3300.7 - 3302.1' GRAPHITIC VOLCANIC SCHIST - sericitic

3302.1 - 3367.2' Fractured volcanics with intercalated hyaloclastitic and tuffaceous zones, contains fine-grained clots of mafic minerals (usually chlorite)

3317.6 - 3320.1' INTERMEDIATE DIKE - grey-coloured

3367.2 - 3359.6' MASSIVE VOLCANICS- greenish-grey coloured, abundant medium-grained clots of mafic minerals, minor pillow remnants, non-magnetic, non-carbonated

3387.0 - 3392.0' Anomalous, 135 ppb Au over 5.0'

3399 - 3488' Fractured volcanics, graphite/graphitic chert fragments in hyaloclastitic zones, locally tuffaceous, fractures commonly graphitic; sericitic, fine-grained

3399.8 - 3402.1' Numerous mm wide bands of pyrite

3413.5 - 3416.2' Numerous mm wide bands of pyrite/black chert

3416 - 3423' As above, but more widely separated

3425 - 3488' Intercalated tuff and graphitic black chert, commonly blocky core

3426 - 3428' Blocky core

3436.1 - 3437.9' Brecciated white quartz vein, in tuff

3439.5 - 3442.2' Brecciated white quartz vein with black chert fragments

FOOTAGE	DESCRIPTION
KINOJEVIS VOLCANICS (cont'd)	
3455 - 3457'	Ground core
3457 - 3457.7'	Blocky core
3457.7 - 3459.6'	White quartz vein adjacent to graphitic schist zone
3459.6 - 3465.5'	GRAPHITIC CHERT/SCHIST - pyrite nodules, intercalated with volcanic fragments
3488 - 3496'	GRAPHITIC CHERT/SCHIST - CA = 30 degrees
3496 - 3516.8'	MASSIVE VOLCANICS - light grey, fine-grained with abundant fine-to-medium-grained plagioclase laths
3516.8 - 3549'	MAFIC-INTERMEDIATE CRYSTAL TUFF - abundant mm sized plagioclase crystals and mafic minerals in a grey, fine-grained matrix; carbonated
3522.8 - 3533.5'	INTERMEDIATE DIKE - grey, fine-grained
3549 - 3590'	MASSIVE VOLCANICS - light grey, fine-grained, non-magnetic, carbonated, numerous chilled margins at flow or intrusive contacts (pillow margins?), numerous carbonate filled fractures
3569.3 - 3572.1'	Calcite fractures with 5% disseminated pyrite in a flow top breccia
3590'	END OF HOLE

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FOOTAGE

DESCRIPTION

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SURVEY TESTS (Sperry-Sun)

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DEPTH

STRIKE

DIP

DATE

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2547'	357 degrees	-74.5 degrees	Mar 20/86
2605'	352 degrees	-72 degrees	Mar 21/86
2675'	349 degrees	-70.5 degrees	Mar 22/86
2703'	Steepening wedge		
2752'	350 degrees	-70 degrees	Mar 24/86
2864'	349 degrees	-69.5 degrees	Mar 26/86
2937'	350 degrees	-68.5 degrees	Mar 27/86
2997'	Wedge at bottom - to steepen		
3053'	344 degrees	-66 degrees	Mar 30/86
3097'	Wedge - steepen		
3148'	341 degrees	-63 degrees	
3208'	339 degrees	-61 degrees	Apr 4/86
3302'	340 degrees	-57 degrees	Apr 5/86
3494'	339 degrees	-54 degrees	Apr 8/86

=====

SIGNED:

SUMMARY LOG

HOLE: N-85-17D

PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 203° from #1 of L. 2859

DIP:

DATE DRILLED: Apr 12 - MAY 14, 1986

LOGGED BY: T Twomey, J Mucklow

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: To intersect below gold zones of 17

FOOTAGE

DESCRIPTION

	Top of Wedge at 2276'	
2294 - 2740.5'	TEMISKAMING SEDIMENTS	- CONGLOMERATE
2740.5 - 4257'	KINOJEVIS VOLCANICS	
3019.4 - 3120.1'	INTERMEDIATE DIKE(S)	
3055.5 - 3062'	Moly. and 2% disseminated pyrite	in quartz veining within dike, 179 ppb Au over 6.5'
3077.0 - 3080.6'	2-inch-wide quartz-moly stringer	in dike, 0.103 oz/ton Au over 1.0'
3107.0 - 3112.0'	1-inch-wide quartz-moly stringer	in dike, 749 ppb Au over 5.0'
3120.1 - 3468'	BROWN ALTERED ZONE (BAZ)	
3120.1 - 3123.8'	UPPER GOLD ZONE(?), quartz-moly	stringer in BAZ, 0.12 oz/ton Au over 3.6'
3132.8 - 3137.2'	GREEN DIKE	
3194.2 - 3196.4'	Moly slips and 1% pyrite in BAZ,	584 ppb Au over 2.2'
3198.8 - 3202'	Quartz veining with pyrite and	moly slips, 807 ppb Au over 3.2'
3232.5 - 3247'	Quartz-albite veining with pyrite	and minor moly slips, 0.018 oz/ton Au over 14.5'
3468 - 3592'	DARK GREEN MAFICS - gradational	contacts
3513.3 - 3514.3'	2-inch-wide quartz-moly veinlets,	80 ppb Au over 1.7'
3514.3 - 4257'	Predominantly dark green mafic	volcanics with minor BAZ
4257'	END OF HOLE	

SIGNED:

DRILL LOG

HOLE: N-85-17D
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: LOCATION: 1490' @ az. 203° from #1 of L. 2859
DIP: DATE DRILLED: Apr 12 - May 14, 1986
LOGGED BY: T Twomey, J Mucklow
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: To intersect gold zone 300 below 17 parent

=====

FOOTAGE DESCRIPTION

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Top of Wedge 2276'

2294 - 2740.5'

TEMISKAMING SEDIMENTS - CONGLOMERATE

2325 - 2350' Few clasts, mostly medium to fine-grained greywacke
2387 - 2392' No core, reamed for wedge
2463 - 2468' No core, reamed for wedge
2476 - 2487' Minor bleaching (sericitic), clasts elongated at 20 degrees
2453' Steel wedge - some core repeated
2504' Steel wedge - some core repeated
2536 - 2660' Sericitic with minor quartz veining and minor green mica
2554.2 - 2560.1 Abundant quartz veinlets
2588 - 2593' Wedge - reamed, no core
2683' Wedged (steel)
2738.5 - 2740.5' Gradational contact with mafic tuff

2740.5 - 4257'

KINOJEVIS VOLCANICS

2740.5 - 3019.4' Commonly feldspar-phyric, locally containing lapilli and less commonly bombs, numerous carbonate veinlets
2843.8 - 2844.5' Quartz vein; CA = 35 degrees
2900 - 2998' Abundant calcite veining and pervasive carbonate
2998 - 3019.4' Silicic with quartz veining
3019.4 - 3120.1' INTERMEDIATE DIKE(S) - grey, multiphase, numerous quartz stringers with less than 1% pyrite

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FOOTAGE	DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

3055.5 - 3062'	Up to 1% moly and 2% pyrite in quartz veining, 179 ppb Au and 50 ppm Mo over 6.5'
3072 - 3120.1'	Brown altered intermediate dike
3077.0 - 3080.6'	2 in. wide quartz-moly stringer with 2% disseminated pyrite at 5 degrees to CA, 0.103 oz/ton Au and 786 ppm Mo over 1.0'
3105 - 3106'	Fine-grained grey dike within fine-grained brown-altered dike(?), CA = 10 degrees
3107.0 - 3112.0'	1" wide quartz-moly veinlet parallel to CA, 749 oz/ton Au, and 102 ppm Mo over 5.0'
3116'	Possible moly. fracture at CA = 5 degrees
3120.1 - 3468'	BROWN ALTERED ZONE (BAZ)
3120.1 - 3123.8'	Upper Gold Zone? quartz-moly stringers with 3% pyrite at 5 degrees to CA, (ie. zone is less than 1 foot in width) at contact with dike and BAZ, 0.12 oz/ton Au, 500 ppm Mo over 3.6'
3132.8 - 3137.2'	GREEN DIKE - contacts at 45 and 20 degrees to CA
3148.2 - 3152.0'	GREY DIKE - brown altered, fine grained with numerous quartz stringers, over 1% pyrite CA = 15 and 45 degrees on contacts
3155.0 - 3157.3'	DIKE - fine-grained, brown altered; CA = 15 and 45 degrees on contacts
3184.0 - 3187.0'	DIKE - fine-grained, brown altered
3194.2 - 3196.4'	Moly slips with 1% disseminated pyrite, 584 ppb Au, 76 ppm Mo over 2.2'
3198.8 - 3202'	Quartz veining with localized 1% fine pyrite associated with moly fractures; 807 ppb Au, 366 ppm Mo over 3.2'

FOOTAGE

DESCRIPTION

KINOJEVIS VOLCANICS (cont'd)

3217 - 3223'	Reamed out for wedge
3232.5 - 3247'	Numerous white quartz-feldspar veins with 7% pyrite associated with margins; locally moly; 0.018 oz/ton Au, 90 ppm Mo over 14.5'
3350 - 3402'	SILICEOUS BAZ - numerous quartz-feldspar veins, very pale to buff coloured
3356 - 3375.9'	BAZ brecciated and flooded with quartz, local crystals of pyrite commonly associated with moly fractures in quartz
3378.5 - 3380.5'	Quartz stringers with locally 5% pyrite; 113 ppb Au over 2.0'
3401.6'	2" quartz vein with 2% pyrite; 222 ppb Au, 74 ppm Mo over 0.9'
3433.8 - 3435.3'	Quartz veining, 1% pyrite (coarse) trace moly; 0.038 oz/ton Au, 262 ppm Mo over 1.5'
3437.9'	2" quartz vein, 1% pyrite, trace moly; 0.012 oz/ton Au, 52 ppm Mo over 1.4'
3468'	Grades out of brown alteration
3468 - 3592'	DARK GREEN MAFIC with same texture as BAZ, hematite as discreet crystals (altered magnetite)
3512 - 3523'	Narrow BAZ, gradational contacts
3513.3 - 3514.3'	2" wide quartz vein with 1% pyrite and moly, CA = 20 degrees 80 ppb Au, 722 ppm Mo over 1.7'
3554.7 - 3555.9'	Cemented fault gouge - hematitic; CA = 15 - 20 degrees
3592 - 3641'	BROWN ALTERD ZONE (BAZ)
3602 - 3612'	Dark green coloured
3629 - 3630'	Quartz and wallrock breccia (fault); CA = 45 degrees
3641 - 3760.9'	DARK GREEN MAFIC - magnetite unaltered (highly magnetic), carbonated
3656.5 - 3663.4'	GREY DIKE - contacts at 40 degrees, medium grained with chilled margins

FOOTAGE

DESCRIPTION

KINOJEVIS VOLCANICS (cont'd)

3663.4 - 3665.9'	Lower Gold Zone (?), silicified with 3 - 5% disseminated pyrite and trace moly; 0.121 oz/ton Au over 2.5'
3674'	Grey Dike - 1/2" wide, irregular
3699.4 - 3700.1'	GREY DIKE - fine-grained, contacts at 43 degrees
3704.0 - 3715.7'	INTERMEDIATE DIKE (or tuff? - contains granite clast or xenolith) grey, with a reddish-grey dike intruded into it from 3707.8 to 3711.2'
3715.6 - 3717'	1% disseminated pyrite, trace moly
3749.0 - 3750.3'	GREY DIKE - contacts at 40 degrees
3755.6 - 3760.0'	GREY DIKE (or tuff? - contains a granite clast or xenolith), minor quartz veinlets
3760.9 - 3781.0'	BROWN ALTERED ZONE (BAZ)
3763'	Quartz-feldspar veinlet with moly-py halo
3781.0 - 3783.4'	INTERMEDIATE DIKE - greyish-pink
3783.4 - 3859'	DARK GREEN MAFICS - same texture as above, highly magnetic
3806.6 - 3808.7'	1% pyrite, trace moly with minor quartz stringers
3834.7 - 3840.3'	GREY DIKE - contacts at approximately 30 degrees, fine-grained
3859 - 3897'	BAZ - with minor quartz veinlets, gradational contact at approximately 3859', less deformed or foliated than the main brown altered zone above as well as less sulphide rich
3897 - 3958'	DARK GREEN MAFICS - less deformed
3926.3 - 3927.2'	Bleached mafics, 50% quartz veining
3929.7 - 3930.5'	Bleached mafics, quartz fracture
3940.1 - 3941.3'	1" wide calcite, with 5% pyrite
3958 - 3985'	BAZ - less deformed than Upper Zones, gradational upper contact

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FOOTAGE DESCRIPTION

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KINOJEVIS VOLCANICS (cont'd)

3985 - 4064'	DARK GREEN MAFICS (Gabbro?) - medium-grained, massive and magnetic, deformed zones more discreet
4000.8 - 4005'	GREY DIKE - contacts at 45 degrees
4064 - 4081'	BAZ - as above zone
4064 - 4067'	Silicified
4076.7 - 4078'	Grey Dike - upper contact at 45 degrees
4081'	Grades into dark green mafic volcanics
4081 - 4257'	DARK GREEN MAFICS
4095 - 4103'	MAFIC DIKE - black, fine grained, magnetic, upper contact at 15 degrees, lower contact at 05 degrees
4103 - 4117'	Spotty, porphyritic texture of white feldspars in medium- grained mafics (gabbro?)
4130.1 - 4132'	MAFIC DIKE - fine-grained, contact at 75 degrees to CA
4152 - 4257'	Grades to a coarse-grained mesocratic gabbro - dark green and white, with 1% disseminated magnetite
4242.5'	Intrusive contact
4257'	END OF HOLE

DRILL LOG

HOLE: N-85-17D

PAGE: 6

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FOOTAGE	DESCRIPTION
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BORE HOLE DATA

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DATE	DEPTH	ACID TEST	WEDGE TOP	WEDGE TYPE	AZIMUTH (degrees)	DIP (degrees)	PURPOSE
Apr 12	2275'		2275'	Steel	002	-77.75	Start 17D from parent hole Erroneous due to magnetics
Apr 12	2317'						
Apr 13	2367'				003	-77.25	Good
Apr 14	2384'		2384'	Retriev.			Steeepen hole
Apr 14	2387'					-78.25	
Apr 15	2439'				357	-77.5	
Apr 15	2463'		2453'	Steel			Steeepen hole
Apr 18	2500'		2504'	Steel		-78.3	AXE TEST
Apr 20	2537'					-78.75	
Apr 20	2550'		2550'	Retriev.		-79.0	Right azimuth, 25 degrees STP
Apr 22	2648'				351	-76.5	
Apr 23	2683'			Steel			Right azimuth steel wedge
Apr 26	2804'				347	-76.0	
Apr 27	2927'				343	-75.0	
Apr 28	3007'				343	-75.0	
Apr 29	3124'				337	-74.0	
Apr 30	3208'				333	-72.25	
Apr 30	3217'		3201	Retriev.		-73.5	Steeepening and 10 degree RAZ wedge
May 2	3261'				328	-70.0	
May 7	3697'				315	-73.5	
May 8	3780'				321	-62.0	Magnetic!
May 12	4050'					-58.0	Magnetic
May 14	4247'					-56.0	Magnetic
May 14	4076'				322	-58.0	
May 15	3870'				322	-61.0	
May 15	3435'				322	-68.0	
May 14	4257'						EOH

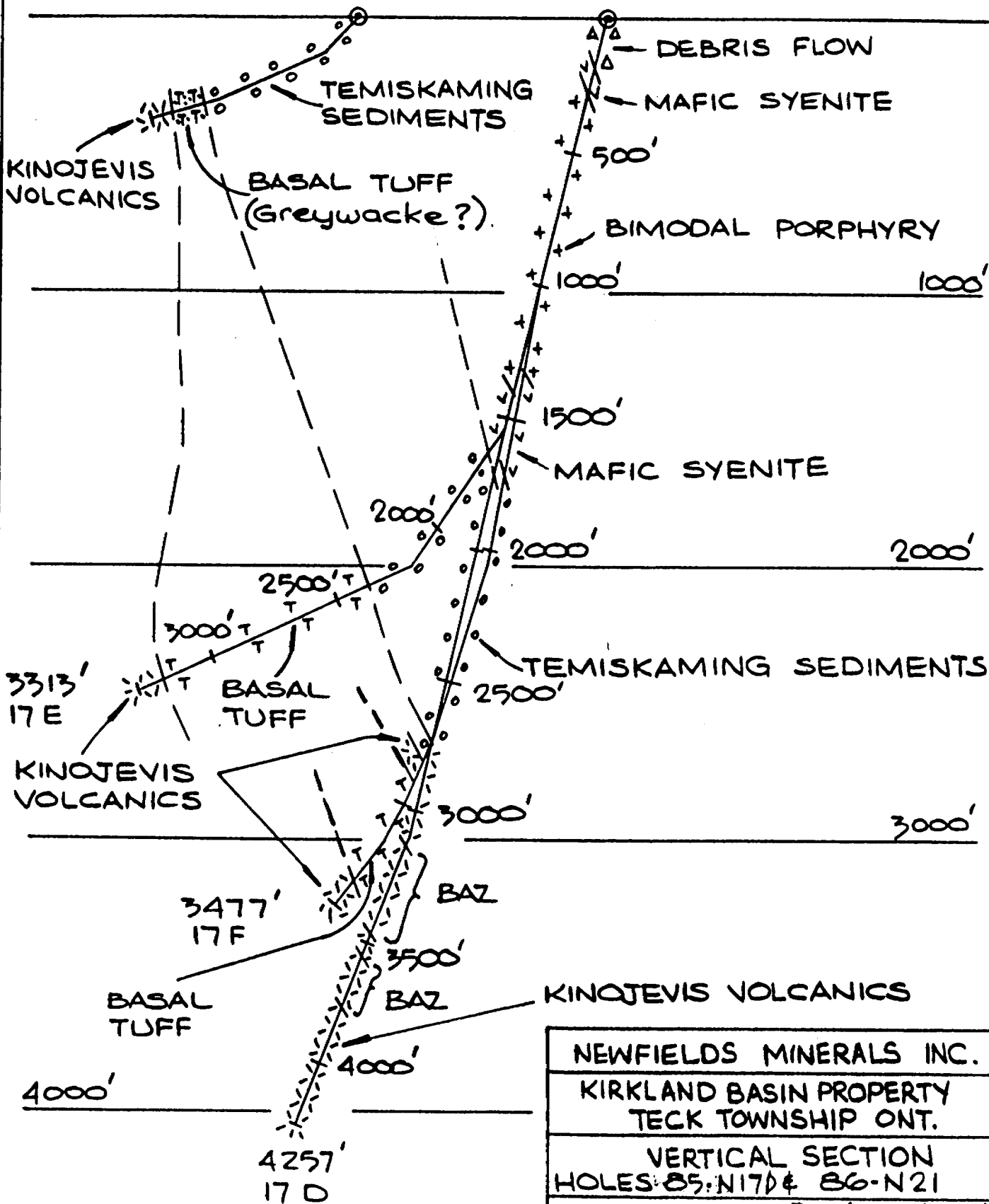
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SIGNED:

AZIMUTH N 350°

HOLE 86-N21

HOLE 85-N17



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLES: 85-N17 & 86-N21
SCALE 0 500' 1000'

SUMMARY LOG

HOLE: N-85-17E
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 7.03° from #1 of L. 2859

DIP:

DATE DRILLED: May 21 - June 18, 1986

LOGGED BY: T Twomey, J Mucklow

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: Test contact further up-dip

FOOTAGE

DESCRIPTION

=====

Top of Wedge at 1272'

1290.0 - 1366.6' BIMODAL PORPHYRY

1366.6 - 1736.3' MAFIC SYENITE

1736.3 - 2362.0' TEMISKAMING SEDIMENTS

 Conglomerate and greywacke
1736.0 - 1737.3' INTERMEDIATE DIKE (3054 Zone ?)

2362.0 - 3201.5' BASAL TUFF (Temiskaming)

 2362 - 2372.0' FAULT ZONE - quartz-chlorite
 fractures

 2396.7 - 2401.9' INTERMEDIATE DIKE - strongly
 sheared

 2372 - 2644' Tuff and Agglomerate, generally
 hematitic

 2710 - 2745' Conglomerate, jasper present

 3180 - 3187.5' GREY DIKE, reddish tint

3201.5 - 3205.4' KINOJEVIS VOLCANICS (?)

 Massive, dark green colour

3205.4 - 3213.2' BASAL TUFF (Temiskaming)

 Fine-grained, mafic composition
3205.7 - 3206.4' INTERMEDIATE DIKE

3213.2 - 3313' KINOJEVIS VOLCANICS

 Fine-grained, massive, green to grey colour,
 carbonatized

3313' END OF HOLE

=====

SIGNED:

DRILL LOG

HOLE: N-85-17E
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: LOCATION: 1490' @ az. 203° from #1 of L.2859
DIP: DATE DRILLED: May 21 - June 18, 1986
LOGGED BY: T Twomey, J Mucklow
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: Test North break up-dip

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FOOTAGE	DESCRIPTION
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	Top of wedge 1272'
1290.0 - 1366.6'	BIMODAL PORPHYRY
	Lower contact; CA = 35 - 40 degrees
1366.6 - 1736.3'	MAFIC SYENITE
	Contact zone contains trace pyrite
1524.0'	First felsic rib, becoming more abundant
1534'	Retrievable wedge, 1534 - 1539'
	Reamed
1544'	Felsic rib at 30 degrees to CA
1557'	Fractures at 30 degrees to CA
1560 - 1561'	Chloritic slip, parallel to CA
1585'	Retrievable wedge, 1858 - 1594'
	Reamed
1600'	Becoming increasingly strained such that texture is similar to the BAZ zones in holes 17
1686'	Becoming altered, many feldspar are pinkish
1712.0 - 1728.0'	Very pink
1728.0 - 1736.3'	Bleached zone, felsic ribs every 2 inches
1736.3'	Sharp contact; CA = 25 degrees
1736.3 - 2362.0'	TEMISKAMING SEDIMENTS
1736.0 - 1737.3'	INTERMEDIATE DIKE (3054 Zone?) Sericitic, upper contact 25 degrees, lower 40 degrees to CA
1737.3 - 1739.4'	GREYWACKE
1739.4 - 2362.0'	CONGLOMERATE
1918.9 - 1919.9'	LAMPROPHYRE DIKE with fracturing and quartz veining on contacts; CA = 30 degrees

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FOOTAGE	DESCRIPTION
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TEMISKAMING SEDIMENTS (cont'd)

1942.3 - 1949.0'	Zone of shearing and brecciation (fault zone); CA = 45 - 50 degrees
1957.4 - 1990'	Conglomerate with numerous Lamprophyre Dikes at: 1957.4 - 1959.3; 1965.1 - 1966.4; 1968.1 - 1969.8; 1975.8 - 1976.8; 1983.6 - 1983.9; 1989.2 - 1990.5 locally quartz-feldspar veinlets on contact(s)
2211 - 2260'	SERICITIC ZONE - light green - bleached conglomerate with minor quartz veinlets and green mica, at 70 degrees to CA
2280 - 2362'	Lightly sericitic (grading to moderate), moderate deformation; CA = 65 degrees, local quartz-feldspar stringers and veinlets
2362.0 - 3201.5'	BASAL TUFF Commonly resembles greywacke but has no jasper, ash-sized with local lapilli tuff intercalations, bedding CA = 65 degrees, carbonated
2362.0 - 2372.5'	Sericitic with approximately 50% quartz veining and associated chlorite from 2362 - 2367' - probable fault structure
2372.5 - 2392'	Hematitic purple alteration, local quartz-feldspar stringers
2392 - 2396.7'	Sericitic
2396.7 - 2401.9'	INTERMEDIATE DIKE - grey with orange and black phenocrysts Upper contact strongly sheared and altered with quartz-feldspar veining, CA = 70 degrees; lower contact has 1/4" vein on contact and little shearing
2408.1 - 2415.0'	DIKE similar to above, both contacts sericitically altered 1' into tuff with quartz-feldspar veining
2438.2 - 2446.0'	DIKE as above, upper contact sharp and unaltered; CA = 35 degrees Cross-cutting bedding/foliation

FOOTAGE

DESCRIPTION

BASAL TUFF (cont'd)

2446.0 - 2449.0'	Contact zone with dike, sericitic, sheared, 40% quartz-feldspar veining
2451.9 - 2453.1')	INTERMEDIATE DIKES - biotite-phyric,
2457.5 - 2459.5')	dark-grey sharp contacts, unaltered; CA = 75 degrees
2469 - 2494'	Hematitic
2476 - 2481'	Agglomeratic, hematitic
2494.5 - 2506.0'	Sheared, carbonated, numerous quartz-feldspar-carbonate veins with trace coarse blue metallic mineral (specularite), lightly sericitic
2506.0 - 2710'	Tuff to lapilli tuff with local intercalations of agglomerate, hematitic
2635.5 - 2644'	Hematitic agglomerate, with red hematitic clasts, bedding at 50 degrees
2697.0 - 2697.6'	Quartz-albite veinlets at 60 degrees to CA
2710 - 2730'	Becoming conglomeratic - matrix supported (grit); minor jasper clasts
2735 - 2745'	Conglomeratic, as above
2761 - 2851'	Tuff showing numerous sedimentary features, ie) rip-up clasts, graded bedding, load casting
2851 - 2861'	Conglomeratic to fine-gravel-sized clasts of tuff, sediments and quartz; clast supported
2861 - 2946'	Tuff with numerous sedimentary features - convoluted bedding, load casting
2953.9 - 2956.2'	GREY DIKE - CA = 65 degrees, fine-grained
2967.5 - 3038.2'	Conglomeratic, polymictic, rounded clasts from 1 to 20 cm
3038.2'	Bedded tuff; CA = 70 degrees
3129 - 3131.5'	INTERMEDIATE DIKE - grey, fine-grained, contacts at 70 degrees
3180 - 3187.5'	REDDISH-GREY DIKE - chilled margins with reddish feldspar phenocrysts in centre, contacts at 70 degrees to CA

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FOOTAGE DESCRIPTION

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BASAL TUFF (cont'd)

3200.5 - 3201.5' Quartz breccia vein at fault
contact of sediments/volcanics

3201.5 - 3205.4' KINOJEVIS VOLCANICS (?)

Massive, dark green colour

3205.4 - 3213.2' BASAL TUFF

Graded bedding, fine-grained mafic composition,
bright apple-green alteration (fuchsite),
may be Kinojevis interflow sediments3205.7 - 3206.4' INTERMEDIATE DIKE - near upper
contact of Basal Tuff

3213.2 - 3313' KINOJEVIS VOLCANICS

Fine-grained, massive, dark green, carbonated

3213 - 3219' Fine-grained, bleached to
light green

3241' Becomes amygduloidal

3313' END OF HOLE

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FOOTAGE	DESCRIPTION
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BORE HOLE DATA

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DATE	DEPTH	ACID TEST	WEDGE TOP	WEDGE TYPE	AZIMUTH (degrees)	DIP (degrees)	
May 21	1290'		1276'	Steel	352	-76.0	Start of hole 17E
May 23	1408'					-76.0	Magnetic
May 23	1320'				000.5	-76.0	
May 23	1350'				001.5	-75.5	
May 24	1427'				008	-76.0	Magnetic rock
May 24	1434'			Retriev.		-76.0	Wedge (retriev.)
May 24	1471'				000	-74.0	Magnetic
May 24	1471'					-74.0	
May 25	1484'			Retriev.		-74.0	Wedge (retriev.)
May 26	1579'				358	-72.0	Magnetic
May 26	1579'					-71.5	Dip only
May 27	1585'			Retriev.		-72.0	Wedge
May 28	1635'			Retriev.		-70.0	
May 30	1827'				350	-61.5	Conglomerate
June 1	2054'					-43.0	Dip only, conglomerate
June 5	2375'				334	-29.5	
June 8	2652'				5w	-23.5	Erroneous, rods stuck in drill string
June 9	2720'					-25.0	Dip only in rod string
June 11	2926'					-19.0	Acid Test
June 15	3166'				335	-15.0	
June 18	3313'				332	-12.5	EOH

=====

SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 203° from #1 of L. 2859

DIP:

DATE DRILLED: June 19 - July 21, 1986

LOGGED BY: T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: Test for westward extension of BAZ

FOOTAGE

DESCRIPTION

=====

Top of Wedge at 969'

995 - 1320.1' BIMODAL PORPHYRY

1320.1 - 1732.0' MAFIC SYENITE

1732.0 - 2827' TEMISKAMING SEDIMENTS

1732.0 - 2043.1' Conglomerate

2043.1 - 2076.6' Greywacke

2076.6 - 2812' Conglomerate

2522.4 - 2631' Sericitic Zone - deformed conglomerate

2827 - 2901.2' KINOJEVIS VOLCANICS

2866 - 2869.3' Intermediate Dike

2890 - 2901.2' INTERMEDIATE DIKE - deformed, at contact with underlying tuff

2901.2 - 3345.7' BASAL TUFF

2901.2 - 3247.1' Alternating light green, sericitic tuff and dark brown, hematitic tuff

3247.1 - 3248.6' Grey Dike

3260 - 3269' Crystal Tuff(?) and fault gouge at lower contact with 151 ppb Au over 1'

3269 - 3345.7' Intercalated Basal Grit and sericitic tuff

3345.7 - 3477' KINOJEVIS VOLCANICS

Bleached hyaloclastite grading to dark-green massive basalt towards bottom

3477' END OF HOLE

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SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1490' @ az. 203° from #1 of L. 2859

DIP:

DATE DRILLED: June 19 - July 21, 1986

LOGGED BY: T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: Test for westward extension of BAZ, Result: negative, too shallow

FOOTAGE

DESCRIPTION

FOOTAGE	DESCRIPTION
995 - 1320.1'	BIMODAL PORPHYRY
1066 - 1068'	Blocky core
1143'	Bleached fractures, at 40 degrees to CA
1240'	1" wide grey dike at 5 degrees to CA
1252 - 1256'	Grey dike, contact at 40 degrees to CA
1256 - 1261'	No core, reamed at wedge
1320.1'	Sharp irregular contact, CA = 50 degrees
1320.1 - 1732.0'	MAFIC SYENITE
	Altered (baked?)
1327 - 1332'	Wedged and reamed out
1332 - 1348.4'	BIMODAL PORPHYRY DIKE - lower contact sharp CA = 40 - 45 degrees,
1348.4 - 1356'	Altered
1537 - 1543'	Reamed out for wedge
1567'	First felsic rib becoming increasingly abundant
1711 - 1722'	Reddish alteration, gradually being overprinted by a grey-greenish alteration downhole, felsic ribs very common
1722 - 1732.0'	Green alteration, felsic ribs common, quartz-feldspar stringers throughout
1732.0'	Sharp contact, CA = 70 degrees
1732.0 - 2827'	TEMISKAMING SEDIMENTS
1732.0 - 2043.1'	CONGLOMERATE with narrow greywacke intercalations
1732.0 - 1777'	Deformed, well fractured, commonly filled with quartz-feldspar veining
1905 - 1913'	Greywacke
2028.5 - 2039.0'	Fractured with quartz-feldspar filling and stringers; trace disseminated pyrite, locally to 1%

FOOTAGE

DESCRIPTION

TEMISKAMING SEDIMENTS (cont'd)

2037.1 - 2037.7' Lamprophyre Dike with quartz-feldspar veining on contacts, CA = 20 degrees

2043.1 - 2076.6' GRITTY GREYWACKE, 1" lamprophyre dikes at 2055.8' (CA = 25 degrees) and 2059.2' (CA = 25 degrees)

2076.6 - 2211.4' Numerous lamprophyre dikes

2076.6 - 2812' CONGLOMERATE - local greywacke intercalations

2359 - 2365' Quartz-feldspar veining and stringers

2373.3 - 2387.1' LAMPROPHYRE DIKE - upper contact CA = 20 - 25 degrees, local quartz-feldspar veinlets

2377 - 2382' Reamed out for wedge

2402.1 - 2512.9' Numerous lamprophyre dikes

2420 - 2437' Quartz-feldspar-carbonate veining with local trace pyrite

2514.0 - 2522.4' GREY DIKE - locally porphyritic

2522.4 - 2631' SERICITIC ZONE - locally abundant quartz-feldspar veinlets, fuchsitic mafic clasts, rare pyritic veins, trace disseminated pyrite

2787 - 2792' Reamed out for wedge

2742 - 2827' Sericitic

2812 - 2817' GREYWACKE, local quartz veining

2827 - 2901.2'

KINOJEVIS VOLCANICS

Alternating fine-grained and medium-grained sections, a few feet in length each, with numerous irregular quartz-albite veinlets

2866.0 - 2869.3' INTERMEDIATE DIKE - fine-grained, upper contact is sheared for 1' CA = 25 degrees, lower contact at 45 degrees

2869.3 - 2873' Mafic volcanics

2872.8' Fault - hairline, dry, CA = 40 degrees, perpendicular to dike contact

2873 - 2880' (?) INTERMEDIATE DIKE (as before)

2877 - 2882' Reamed, no core

2880 - 2890.0' Mafic volcanics

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FOOTAGE DESCRIPTION

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KINOJEVIS VOLCANICS (cont'd)

2890 - 2901.2'	INTERMEDIATE DIKE - fine-grained, grey to brown, with green spots and numerous quartz veins, at contact with mafic volcanics and sediments, CA = 40 degrees
2901.2 - 3345.7'	BASAL TUFF
2901 - 2442'	Sericitic, fine-grained, green, CA = 35 degrees
2947 - 3145.2'	Mauve to brown, hematitic, fine-grained reworked tuff with lapilli and agglomerate sections
3145.2 - 3163.6'	Sericitic, green, numerous quartz-feldspar veinlets
3163.6 - 3174'	Brown, hematitic tuff and agglomerate
3174 - 3183'	Sericitic, green coloured tuff and agglomerate
3183 - 3219'	Reworked tuff, fine-grained, green, sericitic, exhibiting numerous sedimentary features
3208 - 3208.4'	GREY DIKE - sericitic, contacts at 33 degrees
3219 - 3260'	Grey coloured, finely bedded tuff with numerous lapilli (?); bedding at 50 degrees to CA
3247.1 - 3248.6'	GREY DIKE - fine-grained, sericitic, contacts at 45 degrees to CA
3260 - 3269'	CRYSTAL TUFF (?) intercalated with fine-grained sericitic sediments, fault gouge at 3269'
3269 - 3279.4'	BASAL GRIT - agglomerate, weathering of basement volcanics
3279.4 - 3325'	Finely bedded sericitic tuff, CA = 45 degrees
3325 - 3345.7'	BASAL GRIT - mafic volcanic clasts
3345.7 - 3477'	KINOJEVIS VOLCANICS
3345.7 - 3365'	Hyaloclastite - textured amygduloidal mafic volcanics
3345.7 - 3390'	Bleached grey-green colour, non-carbonatized and non-magnetic

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FOOTAGE DESCRIPTION
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KINOJEVIS VOLCANICS (cont'd)

3390 - 3477' Dark green massive mafic volcanics,
carbonatized and magnetic

3477' END OF HOLE

DRILL LOG

HOLE: N-85-17F

PAGE: 5

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FOOTAGE	DESCRIPTION
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BORE HOLE DATA

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DATE	DEPTH	ACID TEST	WEDGE TOP	WEDGE TYPE	AZIMUTH (degrees) (327)	DIP (degrees)	
June 18	985'			Steel	005(?)	-77.5	START OF WEDGE
June 20	1049'				359	-76	HOLE 17F
							Erroneous- don't
							know why
June 20	1050'			Retriev.		-77.5	
June 22	1184'				358	-77.5	
June 23	1250'			Retriev.		-77.5	
June 24	1321'				350	-78	
June 25	1327'			Retriev.		-78	
June 25	1391'				340	-78.5	
June 26	1537'	- bottom		Retriev.		-79	
June 27	1600'				337	-79.5	
June 28	1734'				332	-79	
June 29	1884'				330	-78	
June 30	2031'				320	-76	
July 1	2110'				328	-76	
July 2	2211'				326	-75.5	
July 4	2341'				317	-74	
July 4	2377'	- bottom		Retriev.		-74	
July 6	2499'				319	-74	
July 7	2514'	- bottom		Retriev.			
July 8	2566'				321	-71.5	
July 9	2660'				316	-68	
July 9	2667'			Retriev.		-69.5	Steepening
July 11	2780'				314	-64	
July 11	2787'			Retriev.		-65	Steepening
July 13	2870'				312	-63	
July 13	2877'			Retriev.			Steepening RAZ
July 15	2980'				317	-59	
July 17	3183'				318	-49.5	
July 19	3368'				323	-45.5	
July 20	3469'				323	-44.5	
July 20	3477'						END OF HOLE

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SIGNED:

SUMMARY LOG

HOLE: N-85-18

PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 150 degrees

LOCATION: 790' @ az. 204° from #1 of L. 2832

DIP: -75 degrees

DATE DRILLED: Dec 15/85 - Feb 4/86

LOGGED BY: T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: To test 3054 Zone and southwestern area of property

FOOTAGE

DESCRIPTION

0 - 8.5'

OVERBURDEN

15.2 - 34.5'

DEBRIS FLOW

Grey-purple, less than 1% disseminated pyrite, moderately fractured with calcite filling

34.5 - 1050.6'

MAFIC SYENITE

Augite-phyric with plagioclase, magnetic, pervasively carbonated, numerous mafic dikes

221.1 - 223.5' Quartz-albite stockwork, less than 1% pyrite, 140 ppb Au over 2.4'

234.5 - 260' Bleached zone with quartz-albite stringers, leucoxene, less than 1% pyrite, 130 ppb Au over 12.8'

716 - 719' Breccia zone (fault) cemented by calcite and chlorite

1050.6 - 1088.1'

TEMISKAMING SEDIMENTS - GREYWACKE

Fine-grained, locally magnetic, pervasive carbonate, locally conglomeratic

1088.1 - 1269.4'

BIMODAL PORPHYRY

1-cm-sized K-feldspar crystals and 2-mm-sized plagioclase crystals in orange fine-grained matrix with minor mm-sized quartz eyes

1153 - 1173' Altered Mafic Dike - contacts at 30 degrees

1245 - 1265' Altered Mafic Dike - contacts at 60 degrees, abundant leucoxene

FOOTAGE

DESCRIPTION

FOOTAGE	DESCRIPTION
	MAFIC SYENITE
1282 - 1323'	Medium-grained augite, melanocratic, massive Mafic Dike - exhibiting chilled margins
1567 - 1599'	Faulted area - numerous 2 - 3" chloritic fault gouge and mud seams
1614 - 1626'	Chloritic Fault Gouge and blocky core
1764.4 - 1764.9'	Fault gouge
3133.0 - 3167.0'	TRACHYTIC TUFF
	Very fine-grained, reddish-brown, massive, hematitic, magnetic, angular feldspars
3167.0 - 3254.3'	MAFIC SYENITE
	A dike with chilled margins, altered augites with leucoxene
3254.3 - 3783.5'	TEMISKAMING SEDIMENTS
3254.3 - 3463.7'	GREYWACKE - dark grey, massive, local conglomeratic zones
3313.0 - 3313.6'	2-inch-wide quartz vein at 60 degrees with pyritic halo (10% pyrite), 270 ppb Au over 0.6'
3330.2 - 3332.7'	Quartz veinlets at 60 degrees with pyritic haloes (5 - 10% pyrite), 250 ppb Au over 2.8'
3336.6 - 3338.3'	Quartz-albite veinlets with pyritic haloes (5% pyrite), 1100 ppb Au over 1.7'
3412.0 - 3420.0'	cm-sized quartz veins with pyritic haloes, assays up to 510 - 1100 ppb Au
3463.7 - 3475.9'	CHERTY SEDIMENTS - grey, bedding at 35 degrees
3465.2 - 3466.2'	Fine disseminated pyrite, (3%) with black fractures, 320 ppb Au over 1.0'
3475.9 - 3500.0'	LAMPROPHYRE DIKE
3500.0 - 3502.5'	CONGLOMERATE
3502.5 - 3525.0'	CHERTY SEDIMENTS - dark grey to light green, bedding at 15 degrees

SUMMARY LOG

HOLE: N-85-18
PAGE: 3

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FOOTAGE DESCRIPTION
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TEMISKAMING SEDIMENTS (cont'd)

3525.0 - 3767' CONGLOMERATE - clast supported,
bedding indicates southward
younging, local greywacke
intercalations
3532.5 - 3533.0' Disseminated pyrite at contact,
1030 ppb Au over 0.5'
3755 - 3767' TRACHYTIC TUFF ZONE - reworked,
brown, angular reddish lapilli
3767 - 3783.5' CONGLOMERATE

3783.5 - 3986' DIABASE
Chilled margin, medium-grained, mesocratic,
non-magnetic

3986' END OF HOLE

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SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 150 degrees LOCATION: 790' @ az. 204° from #1 of L. 2832
 DIP: -75 degrees DATE DRILLED: Dec 15/85 - Feb 4/86
 LOGGED BY: T Twomey
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE: To test 3054 Zone and southwestern area of property

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FOOTAGE	DESCRIPTION
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0 - 15'	OVERBURDEN - Casing
15 - 34.5'	DEBRIS FLOW Greyish-purple coloured; less than 1% disseminated pyrite, moderately fractured and calcite filled CA = 45 degrees
34.5 - 1050.6'	MAFIC SYENITE
34.5 - 85.0'	Foliated, slightly magnetic; melanocratic, pervasively carbonated
48.5 - 50.5'	Pink calcite veinlet, CA = 90 degrees; fracturing CA parallel to schistosity
85.0 - 103.0'	MAFIC DIKE - fine-grained, melanocratic, CA = 85 degrees, chilled margins, 1% feldspar-phyric, massive and slightly magnetic
98 - 103'	Slightly foliated CA = 45 degrees, chilled marginal contact
123'	Pink siliceous veinlet, 2" wide felsic rib
125.0'	Grades into medium-grained mafic syenite, 5 mm augite
139.5 - 140.0'	MAFIC DIKE - CA = 45 degrees, fine-grained
140.0'	Medium-grained syenite, slightly magnetic
156'	Gradational to medium-grained mesocratic, pink feldspar
157.7 - 158.7'	MAFIC DIKE - fine-grained, CA = 45 degrees, calcite fracture-filling, parallel to contact, slightly magnetic

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FOOTAGE

DESCRIPTION

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MAFIC SYENITE (cont'd)

181.8 - 182.8'	Blocky ground
214.5 - 216.6'	Leucoxene alteration with quartz-albite veinlets at low angle to core and less than 1% pyrite
222.1 - 223.5'	Quartz-albite stockwork with less than 1% pyrite, CA = 45 degrees, 140 ppb Au over 2.4'
225.0 - 226.5'	Quartz healed fractures, alteration leucoxene, augite gone
227.0 - 234.5'	MAFIC DIKE - fine-grained, CA = 30 degrees
234.5 - 247.3'	Siliceous with quartz-albite stringers and leucoxene, loss of magnetics and carbonate, less than 1% disseminated pyrite, 130 ppb Au over 12.8'
247.3 - 249.3'	MAFIC DIKE - fine-grained, CA = 30 degrees
249.3 - 260.0'	Stockwork quartz-albite stringers in siliceous bleached syenite with leucoxene, less than 1% pyrite; up to 100 ppb Au over 2.0'
260 - 342.5'	Becomes melanocratic, (pink-coloured feldspar to 266'), minor albite veinlets, carbonated, slightly magnetic, slightly foliated; CA = 30 degrees
326 - 338'	Minor calcite veinlets at 60 degrees
342.5 - 343.3'	MAFIC DIKE - fine-grained
343.3 - 417.5'	Becomes mesocratic, slightly magnetic, pervasively carbonated
350 - 355'	Blocky ground
417.3'	Red felsic rib; CA = 35 degrees
417.5 - 423.5'	MAFIC DIKE - slightly magnetic, central part of dike is fine-to-medium-grained mafic syenite, chilled contacts
442.0 - 442.5'	Breccia zone, cemented by chlorite
442.5 - 454.3'	MAFIC DIKE - fine-grained, feldspar-phyric, chilled margins, slightly magnetic, carbonated, calcite veinlet; contacts at CA = 30 degrees

FOOTAGE

DESCRIPTION

MAFIC SYENITE (cont'd)

451 - 452.5'	Pink felsic rib(?) at low angle to core
458.8 - 487.2'	MAFIC DIKE - feldspar-phyric, slightly magnetic, chilled contacts; CA = 20 degrees
477 - 478.5'	Blocky core
487.2 - 489.2'	Bright green epidote veinlet at low angle to core
490.2 - 490.6'	MAFIC DIKE - fine-grained, CA = 25 degrees
499.0 - 501.7'	MAFIC DIKE - fine-grained, magnetic, chilled margins
513 - 517'	Lost core
550.8 - 551.5'	MAFIC DIKE - fine-grained
557.6 - 558.5'	MAFIC DIKE - fine-grained
588.5 - 623.5'	MAFIC DIKE - feldspar-phyric, dark fine-grained matrix, slightly magnetic
525.8 - 626.0'	MAFIC DIKE - fine-grained, CA = 35 degrees
629.2 - 630.0'	MAFIC DIKE - fine-grained
680.7 - 683.3'	MAFIC DIKE - fine-grained, magnetic, CA = 60 degrees
715.9 - 718.7'	Calcite veining and chlorite in breccia zone with leucoxene alteration
764.3 - 766.2'	MAFIC DIKE - fine-grained
790.1 - 791.4'	MAFIC DIKE - fine-grained
808 - 812.2'	MAFIC DIKE - fine-grained
821 - 822'	Blocky ground
863.3 - 864.4'	MAFIC DIKE - fine-grained with calcite veinlets at contacts; CA = 60 degrees
875'	2" felsic rib
880.4 - 880.8'	MAFIC DIKE - fine-grained
882.5 - 884.0'	MAFIC DIKE - fine-grained
901.8 - 904'	1" wide red felsic rib
930.5 - 943.6'	MAFIC DIKE - fine-grained, with minor feldspar crystals
1007.3 - 1007.6'	MAFIC DIKE - fine-grained
1024 - 1050.6'	Contact zone - fine-grained, feldspar crystals absent, augite altered, slightly magnetic, fracture slips at 30 degrees, lower contact CA = 50 degrees

FOOTAGE

DESCRIPTION

FOOTAGE	DESCRIPTION
1050.6 - 1088.1'	TEMISKAMING SEDIMENTS - GREYWACKE
	Fine-grained with mm-sized feldspar grains, locally magnetic, grey pervasive carbonate in matrix
1051 - 1060'	Calcite fractures (at 1/2" intervals) CA = 50 degrees
1067.8 - 1069.6'	Polyolithic rounded fragments up to 1 inch in diameter
1069.8'	Bedding CA = 30 degrees
1086.4 - 1087.3'	Quartz-albite veins at contact with chlorite seams, trace pyrite
1087.0 - 1088.1'	MAFIC DIKE - fine-grained, magnetic
1088.1 - 1269.4'	BIMODAL PORPHYRY
	1-cm-sized feldspar crystals in pinkish matrix, quartz eyes
1112 - 1113.5'	MAFIC DIKE - magnetic, altered, CA = 30 degrees
1153.0 - 1173.8'	MAFIC DIKE - altered, magnetic, schistosity, CA = 30 degrees
1185.5 - 1189.4'	MAFIC DIKE - fine-grained, altered, magnetic
1202.0 - 1245.5'	Quartz-rich bimodal porphyry, mm-sized round quartz crystals in a grey to pink fine-grained matrix
1211 - 1221'	Minor sericite alteration
1233.5 - 1237'	Sericite alteration
1244.6 - 1245.5'	Siliceous with one-half percent disseminated pyrite
1245.5 - 1265.2'	MAFIC DIKE - sheared and altered, leucoxene present, chloritic shear planes, non-magnetic, abundant quartz-albite and calcite veinlets, specular hematite in fracture-filling, 1/2% pyrite and chalcopyrite all parallel to the schistosity, CA = 60 degrees
1247'	1" fault gouge
1262 - 1265.2'	Becomes finer-grained and less schistose
1265.2 - 1269.4'	Siliceous and fractured, chalcopyrite and hematite in fractures with one-half percent disseminated pyrite

FOOTAGE	DESCRIPTION
1269.4 - 3133.0'	MAFIC SYENITE
1269.4 - 1282.0'	Contact zone (chilled) - coarse-grained augite completely altered, 1 - 2% leucoxene, fractures of specular hematite, pyrite, chalcopyrite, non-magnetic
1282.0 - 1323.0'	MAFIC DIKE - fine-grained and slightly magnetic, altered and foliated, CA = 35 degrees, pervasively carbonated
1354 - 1355'	Minor movement along fracture set CA = 40 and 60 degrees; leucoxene present
1354.6 - 1355.2'	Quartz veinlets with leucoxene; CA = 55 degrees, 150 ppb Au over 0.6'
1357'	Felsic rib, red, at low angle to core
1358 - 1362'	Blocky ground, sheared, chloritic; CA = 40 degrees
1383.2 - 1383.8'	Fine-grained mafic dike; CA = 50 degrees
1397 - 1432'	Mesocratic, with fresh augite
1471.7 - 1472.5'	Mafic dike, foliated
1497.5 - 1498.2'	Fine-grained mafic dike
1533 - 1542'	Chloritic and calcitic fractures; CA = 60 and 35 degrees
1556.0 - 1614.0'	Foliated (schistose locally); CA = 40 degrees, slightly magnetic, altered augite, pervasively carbonated and faulted
1567 - 1567.8'	Chloritic fault gouge
1589.7'	1" mud seam, fault gouge; CA = 36 degrees
1587.7 - 1592.0'	Blocky ground
1598 - 1599'	Fault gouge, chloritic
1601.5 - 1614.0'	Blocky ground
1614.0 - 1626.0'	Chloritic Fault Gouge
1716 - 1722'	Foliated mafic syenite with altered augite crystals and calcite veinlets
1763 - 1765.4'	Blocky ground, chloritic
1764.4 - 1764.9'	Fault gouge
1764.9 - 1767.2'	Calcite veining in chlorite schist, less than 1% disseminated pyrite

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FOOTAGE	DESCRIPTION
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MAFIC SYENITE (cont'd)

1968.8 - 1969.8'	Chlorite schist, shear zone
1973.8 - 1974.3'	Chlorite schist and calcite; shear zone; CA = 20 degrees
2168.5 - 2169.2'	Chloritic shear; CA = 15 degrees
2169.2 - 2224'	Altered and fractured mafic syenite with abundant chlorite and calcite stringers at random angles
2339'	Felsic rib, red; becoming more abundant downhole
2347 - 2347.5'	Chlorite fractures; CA = 30 degrees
2374.5 - 2375.0'	Calcite and chlorite shear at 30 degrees with less than 1% disseminated pyrite
2491.0 - 2491.5'	Altered fine-grained mafic dike
2514.5 - 2515.5'	Chloritic zone, fractured; CA = 15 degrees
2551 - 2552'	Calcite and chlorite fractures at 35 degrees
2661 - 2661.5'	Calcite veinlets in chloritic shear; CA = 25 degrees
2612 - 2615.5'	ALTERED DIKE - fine-grained with chlorite healed fractures, slightly silicic, slightly magnetic; CA = 30 degrees
2728.4 - 2729'	Quartz-calcite veins with chlorite; CA = 30 degrees
2729 - 2746'	Altered, grey to reddish, slightly magnetic, carbonated
2782 - 2785'	Epidote-calcite-chlorite in narrow shears, parallel to CA
2837 - 2846'	Medium-grained, mesocratic, gradation change
2846 - 2926'	Fine-grained melanocratic, altered augite
2924'	Chloritic shear at 25 degrees
2953.2 - 2953.8'	Calcite and chloritic shear; CA = 10 degrees
2965.0 - 2965.5'	Blocky ground
3011 - 3012'	Red felsic ribs at 35 degrees
3024'	Calcite and chloritic shear at 15 degrees
3072 - 3074'	5 narrow felsic red ribs
3117 - 3133.0'	Grading to fine-grained, massive grey rock, chilled margin

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FOOTAGE DESCRIPTION

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3133.0 - 3167.0' TRACHYTIC TUFF

Very fine-grained, reddish-brown, massive, hematitic,
angular red feldspars, irregular black fractures
at 20 degrees, magnetic, non-carbonated
3157' Brecciated zone, 1/2' wide;
CA = 15 degrees

3167.0 - 3254.3' MAFIC SYENITE

Slightly magnetic, carbonated
3167 - 3196' Altered mafic syenite, reddish
with leucoxene, augite crystals
completely altered
3176 - 3177' Quartz brecciated vein,
irregular
3248 - 3254.3' Chilled margin, contact
at 50 degrees

3254.3 - 3783.5' TEMISKAMING SEDIMENTS

3254.3 - 3463.7' GREYWACKE - grey, massive,
carbonated
3297 - 3299' Conglomeratic, odd jasper clasts
3313.0 - 3313.6' 2-inch-wide quartz vein at
60 degrees with pyritic halo
(10% pyrite), 270 ppb Au over 0.6'
3330.2 - 3332.7' Quartz veinlets at 60 degrees with
pyritic haloes (5 - 10% pyrite),
250 ppb Au over 2.8'
3336.6 - 3338.3' Quartz-albite veinlets with
pyritic haloes (5% pyrite),
1100 ppb Au over 1.7'
3412.0 - 3412.6' Quartz vein (1 cm) with pyritic
halo, 510 ppb Au over 0.6'
3413.2 - 3413.8' Quartz vein (1 cm) with pyritic
halo, 510 ppb Au over 0.6'
3418.6 - 3420.0' Quartz vein (1 cm) with pyritic
halo, 1100 ppb Au over 1.4'
3463.7 - 3475.9' CHERTY SEDIMENTS - grey, bedding
at 35 degrees
3465.2 - 3466.2' Disseminated pyrite (fine) 3%
with black fractures,
320 ppb Au over 1.0'

FOOTAGE

DESCRIPTION

TEMISKAMING SEDIMENTS (cont'd)

3475.9 - 3500.0'	LAMPROPHYRE DIKE - coarse biotite and augite crystals, carbonated and slightly magnetic
3475.5 - 3476.2'	Disseminated pyrite (3%) at contact
3477 - 3478.2'	Disseminated pyrite in fracture with quartz veinlets
3500.0 - 3502.5'	CONGLOMERATE
3502.5 - 3525.0'	CHERTY SEDIMENTS - dark grey to light green, bedding at 15 degrees
3511.4 - 3512.4'	Irregular quartz veins with disseminated pyrite
3525.0 - 3537'	CONGLOMERATE - bedding indicates younging downhole, (ie. south), clast supported, clasts of trachyte
3532.5 - 3533.0'	Disseminated pyrite at contact, 1030 ppb Au over 0.5'
3600.9 - 3603.4'	Calcite-chlorite shear, parallel to core
3755 - 3767'	TRACHYTIC TUFF/SEDIMENTS(?) - angular reddish lapilli fragments in a brown fine-grained matrix
3767 - 3783.5'	CONGLOMERATE
3783.5 - 3986'	DIABASE
3783 - 3788'	Chilled margin, medium-grained mesocratic, non-magnetic, non-carbonated
3945 - 3947'	Blocky ground
3982'	END OF HOLE

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FOOTAGE	DESCRIPTION
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SURVEY TESTS

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DEPTH	STRIKE	DIP
Collar	150 degrees	-75 degrees
500'	162 degrees	-74 degrees
1500'	157 degrees	-73 degrees
2000'	---	-71 degrees
2500'	170 degrees	-72 degrees
2800'	176 degrees	-70 degrees
3510'	---	-63 degrees
3660'	179 degrees	-59 degrees

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SIGNED:

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-18
PAGE: 1

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
216.0 - 216.6'	Quartz-albite veinlets. less than 1% pyrite in altered mafic syenite	005101	0.6	nil
222.1 - 223.5'	Quartz-albite stockwork with less than 1% pyrite in mafic syenite	5102	2.4	140
225.0 - 226.5'	Altered zone in mafic syenite with quartz healed fracture	5103	1.5	nil
234.5 - 237.0'	Silicified mafic syenite with quartz-albite stringers	5104	2.5	170
237.0 - 239.0'	Silicified mafic syenite with quartz-albite stringers	5105	2.0	60
239.0 - 241.0'	Silicified mafic syenite with quartz-albite stringers (less than 1% pyrite)	5106	2.0	30
241.0 - 243.5'	Silicified mafic syenite with quartz-albite stringers (less than 1% pyrite)	5107	2.5	40
243.5 - 245.8'	Silicified mafic syenite with quartz-albite stringers (1% pyrite)	5108	2.3	250/340
245.8 - 247.3'	As above	5109	1.5	100
249.3 - 251.8'	Quartz-albite stockwork in silicified altered mafic syenite	5110	2.5	70
252.8 - 254.2'	Quartz-albite stockwork in silicified altered mafic syenite, some fine-grained mafic dike material	5111	1.5	20
254.2 - 256.3'	Quartz-albite stockwork (as 5110') with minor pyrite (less than 1%)	5112	2.1	30
256.3 - 258.3'	Quartz-albite stockwork in silicified altered mafic syenite	5113	2.0	100
258.3 - 260.3'	As above	5114	2.0	20
715.9 - 718.7'	Brecciated zone, calcite and chlorite in mafic syenite with leucoxene	5115	2.8	nil
781.8 - 782.3'	Brecciated quartz vein in mafic syenite, 1 coarse pyrite cube	5116	0.5	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-18
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
782.3 - 783.0'	Quartz-calcite in brecciated mafic syenite	5117	0.7	nil
1058.2 - 1058.6'	1% disseminated pyrite in carbonatized greywacke (arkosic-wacke)	5118	0.4	nil
1063.4 - 1065.4'	1% disseminated pyrite in carbonatized greywacke (arkosic-wacke)	5119	2.0	nil
1065.4 - 1067.3'	1/2% disseminated pyrite in carbonatized greywacke (arkosic-wacke)	5120	1.9	nil
1086.4 - 1087.3'	Quartz-albite veinlets with chlorite seams at contact, 1 pyrite cube	5121	0.9	nil
1244.6 - 1245.5'	Silicified porphyry with 1/2% disseminated pyrite at contact	5122	0.9	nil
1245.5 - 1247.5'	Altered and foliated mafic dike, quartz-albite veinlets	5123	2.0	10
1247.5 - 1249.5'	Altered and foliated mafic dike, quartz-albite veinlets, 1/2% pyrite with specular hematite fractures	5124	2.0	10
1249.5 - 1252.0'	As above	5125	2.5	nil
1252.0 - 1254.5'	As above but with less foliate specular hematite cpy	5126	1.5	nil
1256.7 - 1259.6'	As above	5127	2.2	nil
1259.6 - 1262.3'	As above	5128	2.9	nil
1262.3 - 1265.0'	Less foliated, fine-grained hematite fractures, quartz fractures, pyrite	5129	2.7	nil
1265.0 - 1267.0'	Quartz-feldspar porphyry, quartz and hematite fractures, 1/2% disseminated pyrite	5130	2.0	20
1267.0 - 1269.4'	Quartz-feldspar, porphyry, silicified and fractures, 1% disseminated pyrite, hematite fractures	5131	2.4	nil
1269.4 - 1272.1'	Altered and sheared mafic syenite, fractures filled	5132	2.7	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-18
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
	with pyrite, cpy and hematite			
1272.1 - 1275.0	As above but with only 1/2% pyrite	5133	2.9	10
1275.0 - 1277.0'	As above but with numerous quartz-albite veinlets	5134	2.0	10
1277.0 - 1297.8'	Altered mafic syenite, fractured but sparse mineralization, less than 1% pyrite	5135	2.8	nil
1354.6 - 1355.2'	Quartz veinlets, CA = 55 degrees, in altered mafic syenite with leucoxene	5136	0.6	100/150
Below is to test Anomalous Sludges				
260.3 - 265.4'	Altered mafic syenite with minor quartz stringers	5138	5.0	nil
265.4 - 270.5'	As above	5139	5.1	nil
270.5 - 275.5'	As above	5140	5.0	nil
278.0 - 280.5'	Altered mafic syenite, no veining	5142	2.5	nil
Continuation of Regular Sampling				
1541.3 - 1542.0'	Chloritic shear and calcite vein; CA = 35 degrees	5143	0.7	nil
1648.2 - 1649.0'	Quartz-calcite vein in chloritic shear; CA = 25 degrees	5144	0.8	nil
1674.6 - 1675.6'	Quartz-calcite vein	5145	1.0	nil
1694.4 - 1695.7'	Quartz vein; CA = 15 degrees	5146	1.3	nil
Below is to test Anomalous Sludges				
297.0 - 302'	Mafic syenite, altered augite	5147	5.0	nil
302 - 307'	As above	5148	5.0	nil
307 - 512'	Mafic syenite, altered augite, minor calcite veins	5149	5.0	nil
312 - 317'	As above	5150	5.0	nil
317 - 322'	As above	5151	5.0	nil

ASSAY REPORT

PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-18
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FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
322 - 327'	As above	5152	5.0	nil
327 - 332'	As above	5153	5.0	nil
332 - 337'	As above	5154	5.0	nil
337 - 342'	As above	5155	5.0	nil
343 - 347'	As above	5156	4.0	10

Continuation of Regular Sampling

1764.9 - 1767.2'	Calcite veining in chlorite schist, less than 1% disseminated pyrite	5157	2.3	10
1777.8 - 1778.7'	Calcite-albite vein in chlorite schist	5158	0.9	nil
2374.5 - 2375.0'	Calcite and chlorite shear	5159	0.5	30
3176 - 3177'	Irregular quartz-breccia vein	5161	1.0	nil
3313 - 3313.6'	Two inch wide quartz vein with 10% pyrite in wallrock in greywacke	5162	0.6	270
3328.7 - 3329.4'	As above	5163	0.7	nil
3330.2 - 3331'	As above	5164	0.8	270
3331.3 - 3332.7'	Quartz-albite stringers with 5% disseminated pyrite in wallrock in contacts	5165	1.4	230
3334.8 - 3336.1'	As above	5166	1.3	nil
3336.6 - 3338.3'	As above	5167	1.7	1000
3388.3 - 3389.1'	1% disseminated pyrite in greywacke	5168	0.8	nil
3412 - 3412.6'	1 cm wide quartz vein with disseminated pyrite in walls	5169	0.6	510
3413.2 - 3413.8'	As above	5170	0.6	510
3418.6 - 3420'	As above	5171	1.4	980
3465.2 - 3466.2'	3% finely disseminated pyrite in cherty sediment with black fractures	5172	0.7	nil
3475.5 - 3476.2'	3 - 5% disseminated pyrite at contact of cherty sediment with lamprophyre	5173	1.2	nil
3477 - 3478.2'	Quartz stringer in fractured dike with disseminated pyrite	5174	1.2	nil
3511.4 - 3512.4'	Irregular quartz veins with minor disseminated pyrite in cherty sediments	5175	1.0	70

ASSAY REPORT

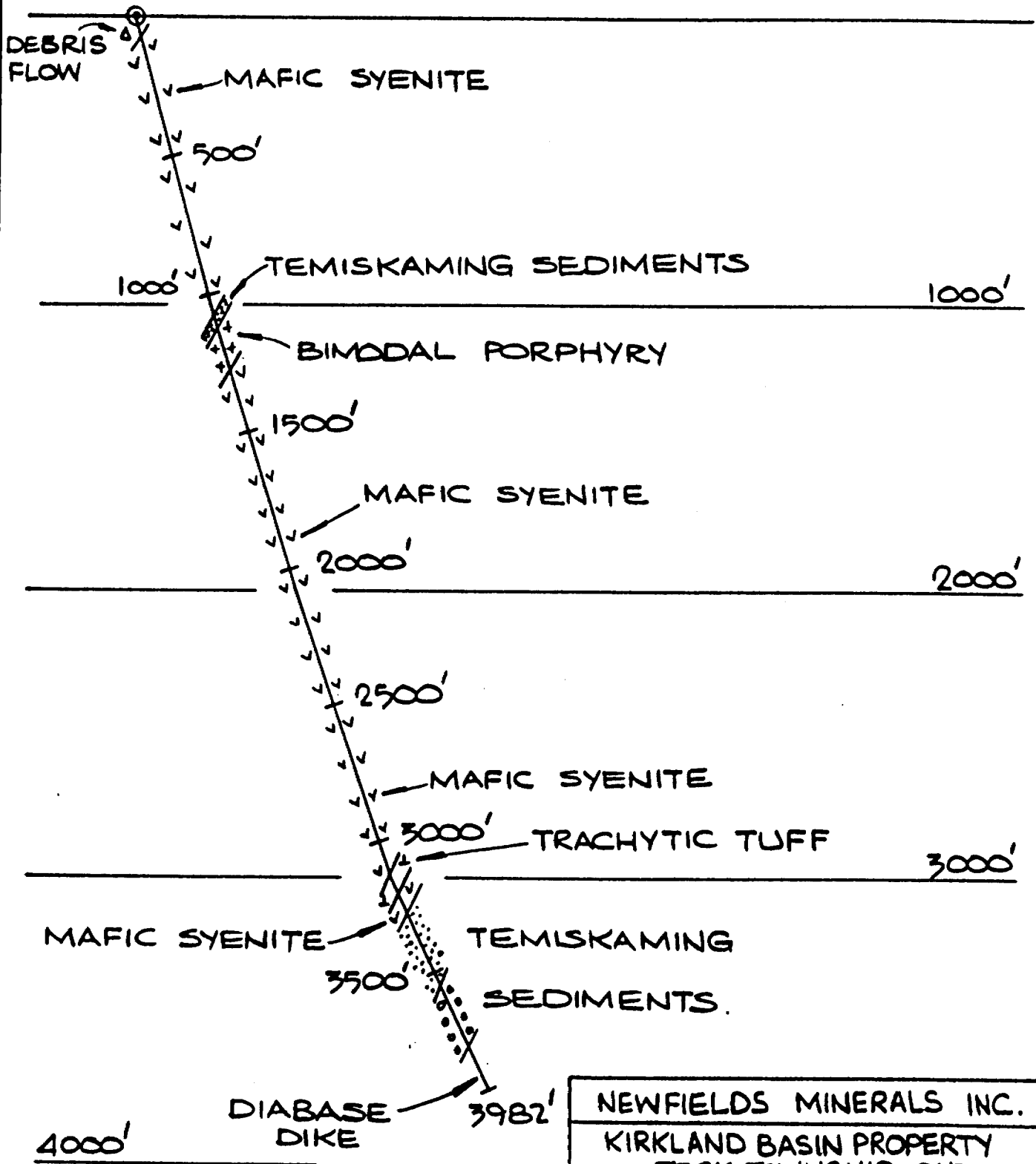
PROPERTY: Newfields Minerals Inc.
Teck Township

HOLE: N-85-18
PAGE: 5

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH (ft)	Au PPB
3525.5 - 3533'	Minor disseminated pyrite at contact of cherty sediment and greywacke	5176	0.5	975
3600 - 3600.4'	Calcite-chlorite shear, parallel to core axis	5177	2.5	nil

AZIMUTH 150° S

HOLE 85-N18



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLE 85-N-18
SCALE 0 500' 1000'

SUMMARY LOG

HOLE: N-86-19 TO 19D
PAGE: 1

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 350 degrees LOCATION: *1185' @ az. 205° from #1 of L. 2859*
 DIP: -85 degrees DATE DRILLED: Feb 11 - May 22, 1986
 LOGGED BY: T Twomey, J Mucklow
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE: Test "Newfields Break" to east

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FOOTAGE	DESCRIPTION
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0 - 27'	OVERBURDEN	- Casing
27 - 1244.4'	BIMODAL PORPHYRY	
	31 - 67'	Locally bleached/sericitic proximal to quartz-feldspar veining Numerous mafic and altered xenoliths suggestive of proximity to southern contact
	100 - 420'	Highly brecciated zone, commonly quite blocky, at 106.5' mud seam (05 Fault?)
	228.0 - 230.0'	Intermediate Dike - porphyritic
	615.0 - 624.5'	Intermediate Dike - medium-grained, light green-grey, porphyritic; CA = 20 degrees
N-86-19A 1244.4 - 1692.0	MAFIC SYENITE	
	1250.0 - 1255.3'	Mafic Dike - fine-grained, grey-green, pink phenocrysts; CA = 20 - 25 degrees
	1408'	First felsic rib
	1520 - 1690'	Felsic ribs becoming increasingly abundant
N-86-19B	1667 - 1690.9'	Altered contact area, increasingly sheared nearer to contact, chilled margin; contact CA = 30. - 35 degrees
1692.0 - 3087.5'	TEMISKAMING SEDIMENTS	
	1692.0 - 1718.7'	GREYWACKE - numerous quartz-feldspar veinlets

FOOTAGE

DESCRIPTION

TEMISKAMING SEDIMENTS (cont'd)

1693.2 - 1700.8' INTERMEDIATE DIKE - (may be cherty sediments and/or the 3054 Zone), numerous quartz-feldspar veinlets, lower contact CA = 20 - 25 degrees

1718.7' CONGLOMERATE - local greywacke zones

1718.0 - 1723.0' Anomalous - assays 228 ppb Au over 5.0'

2309.7 - 2314.7' Fault Zone - 345 ppb Au over 2.0'

N-86-19D

2080 - 2140' Numerous magnetic clasts

2385 - 2386.5' Shear zone

2742.5 - 2821' GREYWACKE - locally conglomeratic, foliated at 20 degrees to CA

2821 - 3084.0' Conglomerate

3084.0 - 3087.5' Grey Dike - highly deformed, contacts parallel to schistosity; CA = 15 degrees

3087.5 - 4298'

KINOJEVIS VOLCANICS

Dark green, feldspar-phyric, fine-grained chloritic matrix, non-magnetic

3109.8 - 3110.5' Quartz-breccia vein, 210 ppb Au over 0.7'

3115.5 - 3128.2' Abundant quartz stringers; CA = 20 degrees

3188.2 - 3219.4' Intermediate Dikes - grey-green, locally brown, commonly with quartz-breccia veining and up to 1% pyrite and magnetite

3214.0 - 3418.0' Brown-grey Dike with fragmental, magnetic, 95 ppm Au and 24 ppm Mo over 4.0'

3219.4 - 3297' BROWN ALTERED ZONE (BAZ)
Relatively undeformed, fine-grained volcanics, no sulfides

3221.5 - 3240.4' Green to Grey Dikes

3297 - 4090.0' Dark Green Volcanics - massive, fine-to-medium-grained, magnetic

3315 - 3331' BAZ - fine-grained, no sulfides

FOOTAGE

DESCRIPTION

KINOJEVIS VOLCANICS (cont'd)

3442.7 - 3496.6'	3 Intermediate Dikes - grey to brownish, separated by mafic volcanics
3725.4 - 3998.3'	6 Intermediate Dikes
3908.2 - 3909.3'	Quartz-feldspar veining with 10% very coarse pyrite, cp in equal proportions, 58 ppb Au and 3400 ppm Cu over 1.1'
4090.0 - 4235.2'	Saussuritic Mafic Volcanics - with intermediate dikes
4235.2 - 4298'	Saussuritic Gabbro

4298'

End of Hole

SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: (Collar) 330 degrees

DIP: (Collar) -85 degrees

LOGGED BY: J Mucklow

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: To test

LOCATION: 1185' @ az. 205° from #1 of L. 2859

DATE DRILLED: Feb 11 - 4, 1986

FOOTAGE

DESCRIPTION

0 - 27'	OVERBURDEN - Casing
27 - 1147'	BIMODAL PORPHYRY
	Deep mauve to reddish; crowded with feldspar phenocrysts, locally bleached proximal to quartz-filled fractures (degree of bleaching is a function of the frequency of fractures)
31 - 67'	Numerous mafic and altered xenoliths (suggestive of proximal contact)
100 - 420'	BRECCIATED ZONE - 05 fault?
100 - 103'	Becoming increasingly fractured, bleached, and silicic; fractures, commonly chloritic and silicic
103 - 107'	Intensely fractured and siliceous
106.5'	1" mud seam; CA = 25 degrees (fault gouge)
107 - 109.5'	Strongly fractured
110.5 - 112'	Quartz stockwork
112.5 - 114.5'	Blocky, and siliceous, lightly sericitic; chloritic slips
116 - 120'	Highly fractured, chlorite and locally quartz and calcite filled; bleaching moderate
127 - 136'	Highly fractured and moderate bleaching
142 - 158'	Blocky, competent pieces are highly brecciated with chlorite on fracture surfaces; otherwise dry
161 - 170'	Blocky; highly fractured with chloritic surfaces; bleached lightly
170 - 203'	Moderately fractured; unaltered locally blocky
203 - 204'	Sericitic

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 FOOTAGE

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 DESCRIPTION
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BIMODAL PORPHYRY (cont'd)

211 - 219'	Moderately fractured and lightly altered
219 - 228.0'	Strongly to intensely fractured with moderate alteration and chloritic surfaces (blocky)
228.0 - 230.0'	INTERMEDIATE DIKE - porphyritic
230 - 233'	Intensely fractured, blocky
233 - 249'	Moderately fractured ((locally intense (brecciated) and blocky))
260 - 265'	Moderate fracturing
281 - 283.5'	Strongly fractured; moderately altered
292 - 306'	Blocky - moderate to strong fracturing
416.5 - 418'	Blocky - highly fractured + moderately altered; CA = 60 degrees
453'	2" quartz-carbonate vein flanked by a 6" sericitic halo; CA = 45 degrees
615.0 - 617.0'	INTERMEDIATE DIKE - medium-grained (xenolith?)
619.3 - 624.5'	INTERMEDIATE DIKE - medium grained, light green-grey, purplish phenocrysts to 3 mm size; numerous green, white and pink phenocrysts; upper contact CA = 20 degrees
726 - 729'	Moderately sericitic and siliceous; green coloured
801 - 813'	Locally light to moderate alteration proximal to quartz stringers and veinlets
842 - 860'	As at 801 - 813'; slightly blocky
940 - 943'	Blocky ground
990 - 993'	Blocky ground
995 - 999'	Blocky ground
1009 - 1011'	Blocky
1050 - 1051.5'	Potassic (or hematitic?) alteration
1068.5 - 1071'	Potassic (or hematitic?) alteration

1147'

Hole stopped - bit burned and stuck
 N-86-19A wedged at 785' to west

DRILL LOG

HOLE: N-86-19

PAGE: 3

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FOOTAGE	DESCRIPTION
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SURVEY TESTS

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DEPTH	STRIKE	DIP	DATE
Collar	330 degrees	-85 degrees	
260'	350 degrees	-85 degrees	Feb 13
425'	350 degrees	-85 degrees	Feb 14
743'	351 degrees	-85.5 degrees	Feb 16
897'	001 degrees	-85 degrees	Feb 17
1080'	005 degrees	-85 degrees	Feb 20

=====

SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE: LOCATION: 1185' @ az. 205° from #1 of L. 2859
 DIP: DATE DRILLED: Feb 26 - Mar 4, 1986
 LOGGED BY: J Mucklow
 DRILLED BY: Heath & Sherwood Drilling
 PURPOSE: Wedged to west to straighten hole from 19

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FOOTAGE	DESCRIPTION
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Wedge Top at 774'

785 - 1244.4'

BIMODAL PORPHYRY

829 - 839' Slightly sericitic
 941 - 990' Blocky
 973 - 977' Sericitic with some quartz veining
 1244.4' Sharp but irregular contact with mafic syenite

1244.4 - 1690.9'

MAFIC SYENITE

1250.0 - 1255.3' MAFIC DIKE - fine-grained, grey-green with pink phenocrysts of feldspar?; CA = 20 - 25 degrees
 1408' First felsic rib
 1520' Ribs becoming increasingly abundant downhole
 1667 - 1671' Pink alteration with leucoxene, decreasingly magnetic; felsic ribs very common
 1671 - 1681' Green alteration, very low magnetics, numerous leucoxene and felsic ribs
 1681 - 1686' Pink and green alteration, magnetic
 1686 - 1688.4' Grey alteration, numerous anastomosing chloritic slips
 1688.4 - 1690.9' Chilled margin, contact CA = 30 - 35 degrees

1690.9 - 2729'

TEMISKAMING SEDIMENTS

1690.9 - 1698.5' INTERMEDIATE DIKE - (Cherty Sediments?/3054 Zone?) - buff to olive brown, highly sericitic, medium hard, locally siliceous
 1698.5 - 1711' GREYWACKE
 1711 - 2729' CONGLOMERATE - locally intercalated greywacke, pebbles elongated; CA = 10 degrees

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FOOTAGE	DESCRIPTION
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TEMISKAMING SEDIMENTS (cont'd)

1761.5 - 1764.8'	LAMPROPHYRE DIKE - biotite and feldspar-phyric; CA = 25 degrees; numerous quartz-feldspar stringers
2085.6 - 2086.6')	Orange Felsic Dike
2122 - 2124.5')	
2210 - 2220'	Pebbles increasingly elongated, conglomerate deformed and sericitic
2220 - 2239'	Slightly sericitic, strongly deformed, becoming increasingly fractured with feldspar-fillings
2239 - 2270'	Brecciated and blocky, numerous quartz-feldspar fracture-fillings, locally stockworks
2350 - 2352.3'	Reground core
2475 - 2505'	Lightly sericitic
2482 - 2484.3'	Feldspar stockwork
2500'	Elongation sub-parallel to CA
2597 - 2729	Lightly sericitic
2729'	Hole stopped because off course - N-86-19B wedged at 1600'

SURVEY TESTS

	STRIKE	DIP	DATE
895'	358 degrees	-84.5 degrees	Feb 28
1113'	350 degrees	-85 degrees	Mar 3
1880'	338 degrees	-85 degrees	Mar 8
2309'	294 degrees	-85 degrees	Mar 11
2560'	280 degrees	-85.5 degrees	Mar 13

=====

SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1185' @ az. 205° from #1 of L. 2859

DIP:

DATE DRILLED: Mar 17 - Apr 5, 1986

LOGGED BY: J Mucklow, T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: Wedged to west to straighten hole from 19A

FOOTAGE

DESCRIPTION

Top of Wedge at 1589'

1603 - 1692.0'

MAFIC SYENITE

Melanocratic, containing augite and plagioclase, medium-grained, slightly magnetic, carbonated

1672.8 - 1678' Blocky, ground to quartz breccia veining in leucoxene altered mafic syenite with less than 1% disseminated pyrite

1678 - 1682' Green altered

1682 - 1688' Pinkish altered

1688 - 1692.0' Becoming finer grained and altered (chilled margin)

1692.0 - 2594'

TEMISKAMING SEDIMENTS

1692.0 - 1718.7' GREYWACKE - numerous quartz-feldspar veinlets, clast(?) of cherty-altered sediments (as below)

1693.2 - 1700.8' INTERMEDIATE DIKE (Cherty Sediments?, 3054 Zone?) - numerous quartz-feldspar veinlets; lower contact (bedding?) CA = 20 - 25 degrees

1701.6 - 1701.8' Two 1/4" pyrite veinlets; CA = 20 - 25 degrees

1718.7 - 2594' CONGLOMERATE

1718.0 - 1723.0' Assays 228 ppb Au over 5.0'

1773 - 1782.1' Brecciation with feldspar filling and quartz-feldspar veinlets

1780.9 - 1781.8' Albite vein

1970 - 2064' Rock foliation parallel to core axis

2038 - 2040' Blocky core

2058 - 2065' Greywacke

2082' Wedged (retrievable)

No core from 2082 - 2091' (reamed)

2100' Foliation in conglomerate at low angle to core axis (5 degrees - 10 degrees)

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FOOTAGE DESCRIPTION

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TEMISKAMING SEDIMENTS (cont'd)

2237 - 2239'	Blocky core
2262 - 2373'	SERICITIC ZONE - minor fuchsite and quartz-feldspar veinlets
2309.7 - 2314.7'	FAULT ZONE - with pre-fault quartz-breccia veining; blocky core, parallel to foliation at 30 degrees to CA, 345 ppb Au over 2.0'
2318'	Wedged, reamed to 2322'
2325.8 - 2328'	Sericitic, green mica and 1/2% pyrite - with minor quartz veinlets (NX core)
2335.8 - 2338'	As above
2373'	Grading out of sericitic zone
2382'	Wedged, reamed to 2387'
2445 - 2428'	Sericitic Zone - locally minor quartz and pyrite
2558'	Steel wedge back to 2535'

2594'

Hole Stopped - wedges not working
Backed up to 1904' to wedge N-86-19C

=====

FOOTAGE

DESCRIPTION

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BORE HOLE DATA

DATE	DEPTH	ACID TEST	WEDGE TOP	WEDGE TYPE	AZIMUTH (degrees)	DIP (degrees)	
Mar 19	1600'		1589'	Steel			
Mar 21	1860'				358	-86	
Mar 22	1950'				298	-87.5	
Mar 23	2040'				235	-85.5	
Mar 25	2082'			Retriev.			Left azimuth
Mar 27	2252'				230	-81.5	
Mar 28	2318'			Retriev.			Left azimuth
Mar 29	2350'				243	-80	
Mar 30	2382'			Retriev.			Left azimuth
Mar 31	2478'				250	-80	
Apr 3	2480'				252	-79	
Apr 4	2535'			Retriev.			Left azimuth
Apr 5	2590'				238	-78.5	
Apr 5	2594'						Hole stopped - off course

=====

SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:
DIP:
LOGGED BY: J Mucklow
DRILLED BY: Heath & Sherwood Drilling
PURPOSE: Wedged off 19B at 1905'

LOCATION: 1185' @ az. 205° from #1 of L. 2859
DATE DRILLED: Apr 6 - Apr 9, 1986

===== FOOTAGE DESCRIPTION =====

Top of Wedge at 1903'

1922 - 2114' TEMISKAMING SEDIMENTS - CONGLOMERATE

Strongly deformed, foliation CA = 0 degrees, numerous carbonate-filled fractures in cobbles and pressure shadows behind, local intercalations of greywacke

2049.3 - 2050.7' Quartz-feldspar veining and brecciation, minor sericite, CA = 20 degrees, trace pyrite

2055.4 - 2056.9' Quartz-feldspar vein in locally strong foliation; CA = 20 degrees, trace pyrite

2079' Wedged - attempt to bring back to Worth

2114' Hole stopped - off course

SURVEY TESTS

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DEPTH	STRIKE	DIP	DATE
1865' (19B)	350 degrees	-86 degrees	Apr 8
1971'	300 degrees	-88 degrees	Apr 8
2038'	260 degrees	-87 degrees	Apr 8
2079'	Wedged - right azimuth		
2111'	290 degrees	-86 degrees	Apr 9

=====

SIGNED:

NEWFIELDS MINERALS, INC. - KIRKLAND BASIN PROJECT

STRIKE:

LOCATION: 1185' @ az. 205° from #1 of L. 2859

DIP:

DATE DRILLED: Apr 10 - May 22, 1986

LOGGED BY: J Mucklow, T Twomey

DRILLED BY: Heath & Sherwood Drilling

PURPOSE: Wedged off 19B to straighten hole

FOOTAGE

DESCRIPTION

1872 - 3087.5'

TEMISKAMING SEDIMENTS

1872 - 2742.5'

CONGLOMERATE - with local greywacke intercalations, foliated at 0 - 10 degrees, local magnetic clasts and zones

1904 - 1905'

Blocky ground

1920'

Wedged, reamed to 1925'

1980'

Wedged, reamed to 1985'

2060'

Wedged, reamed to 2069'

2080 - 2140'

Abundant magnetic clasts

2146 - 2151'

Blocky ground

2209'

Wedged, reamed to 2220'

2237 - 2239'

Blocky

2231 - 2257'

Greywacke to locally siltstone and grit

2385 - 2386.5'

Shear zone, gradationally more deformed to centre of zone where clasts are extremely elongated appearing like concordant veins, minor silica and albite introduced

2576 - 2624'

Lightly sericitic

2742.5 - 2821'

GREYWACKE - with local conglomeratic sections, strongly foliated at 20 degrees, narrow local sericitic zones generally proximal to quartz-feldspar stringers

2821 - 3084.0'

CONGLOMERATE

2895 - 2912'

Blocky ground, fracturing parallel to CA

2918 - 2922'

Blocky ground

2988 - 2989'

Blocky ground

3040 - 3049'

Greywacke

3064 - 3075'

Greywacke

3084.0 - 3087.5'

GREY DIKE - highly deformed, upper contact at 15 degrees, parallel to schistosity, lower contact is oblique and deformed

FOOTAGE

DESCRIPTION

3087.5 - 4298'

KINOJEVIS VOLCANICS

Dark green, with white feldspars, fine-grained,
chloritic matrix, non-magnetic

3087.5' Contact is highly deformed, not
well defined; CA approximately
20 degrees

3087.5 - 3110' Tectonic breccia texture
3110 - 3150' Abundant quartz-albite veinlets
irregular and brecciated
Foliated at 15 degrees

3109.8 - 3110.5' Quartz-breccia vein, 210 ppb Au
over 0.7'

3115.5 - 3128.2' Abundant quartz stringers in
sheared mafics, CA = 20 degrees

3170 - 3175' No core - reamed, wedged

3184.1 - 3188.2' Silicic with abundant
quartz stringers

3188.2 - 3219.4' INTERMEDIATE DIKES - grey to
green, locally brownish;
commonly containing quartz-feldspar
breccia veining and up to 1%
pyrite, magnetite from 3216 - 3217';
CA = 20 - 30 degrees

3214.0 - 3218.0' Brown-grey dike with magnetite
fragments, 95 ppb Au and 24 ppm Mo
over 4.0'

3219.4 - 3297' BROWN ALTERED ZONE (BAZ) -
relatively undeformed, fine-grained
volcanics, no sulfides

3221.5 - 3240.4' Green-grey dike - CA = 20 degrees
with magnetite fragments from
3233.7 - 3236.2'

3297' Grades into unaltered mafic
volcanics

3297 - 4090.0' DARK GREEN VOLCANICS - massive,
fine-to-medium-grained, magnetic,
3315 - 3331' BAZ - fine-grained texture,
no sulfides

3370.8 - 3375.7' Numerous quartz-albite stringers
parallel to CA

3441' Red felsic rib

FOOTAGE	DESCRIPTION
KINOJEVIS VOLCANICS (cont'd)	
3442.7 - 3452.3'	INTERMEDIATE DIKE - light-brown-grey, quartz fractures in bleached zones, lower contact at 10 degrees to CA
3459 - 3470.8'	INTERMEDIATE DIKE - brown altered, upper contact at 35 degrees to CA, minor quartz stringers at 20 degrees to CA; lower contact at 40 degrees with quartz stringers
3483 - 3496.6'	INTERMEDIATE DIKE - numerous quartz-feldspar stringers, commonly with brown alteration haloes; lower contact CA = 25 degrees
3496.6 - 4090.0'	MAFIC VOLCANICS - fine to medium-grained, pervasive carbonate, strongly magnetic, local carbonate veinlets and stringers, phenocrysts (feldspar) elongated at low angle to core, local quartz-feldspar veinlets (CA = 20 degrees) with locally associated minor pyrite
3643.3 - 3643.7'	Flow top breccia?
3691 - 3701'	Altered, non-magnetic, contains leucoxene
3725.4 - 3732.7'	INTERMEDIATE DIKE - 4" quartz vein on upper contact; CA = 55 degrees
3732.7 - 3793'	Trace disseminated pyrite
3864.1 - 3866.4'	INTERMEDIATE DIKE - irregular contacts; CA = 25 degrees, non-magnetic
3889.7 - 3890.7'	INTERMEDIATE DIKE - sharp contacts, upper 25 degrees with 4" quartz-feldspar veinlets, 1% chalcopryrite, lower 35 degrees
3904.7 - 3908.2'	INTERMEDIATE DIKE - sharp contacts; upper 40 degrees, lower 50 degrees; non-magnetic
3908.2 - 3909.3'	Quartz-feldspar veining in volcanics with 10% very coarse pyrite, and chalcopryrite in equal proportions, 58 ppb Au, 3400 ppm Cu over 1.1'
3911.8 - 3916.7'	INTERMEDIATE DIKE - sharp contacts; CA = 30 - 35 degrees, non-magnetic
3974 - 3979'	Volcanics becoming increasingly altered (leucoxene more abundant) and decreasingly magnetic

FOOTAGE	DESCRIPTION
KINOJEVIS VOLCANICS (cont'd)	
3979 -3983.1'	Strongly altered volcanics, buff-green coloured, numerous quartz-feldspar veinlets, leucoxene, non-magnetic
3983.1 - 3998.3'	INTERMEDIATE DIKE - sharp contact; CA = 20 - 25 degrees, chilled margins, porphyritic in centre, minor quartz veinlets in alteration, lower contact sharp, CA = 70 degrees
3998.3 - 3999.8'	Bleached volcanics at contact of dike
4004.0 - 4006.0'	Bleached volcanics with minor quartz veins
4006.0 - 4009.3'	Blocky core, reground
4020 - 4030'	BLEACHED ZONE - minor irregular quartz veinlets
4090.0 - 4235.2'	Saussuritic Mafic Volcanics
4136.0 - 4141.5'	Mixed mafic to intermediate diking, mafic volcanics, and quartz-carbonate-epidote veining
4154.0 - 4159.5'	MAFIC TO INTERMEDIATE DIKE - quartz and pyrite veining on upper contact, quartz-epidote on lower
4203.2 - 4206.7'	MAFIC TO INTERMEDIATE DIKE - carbonate veining and trace pyrite on lower contact; CA = 15 - 20 degrees
4235.2 - 4298.0'	Saussuritic Gabbro
4298.0'	END OF HOLE

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FOOTAGE	DESCRIPTION
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BORE HOLE DATA

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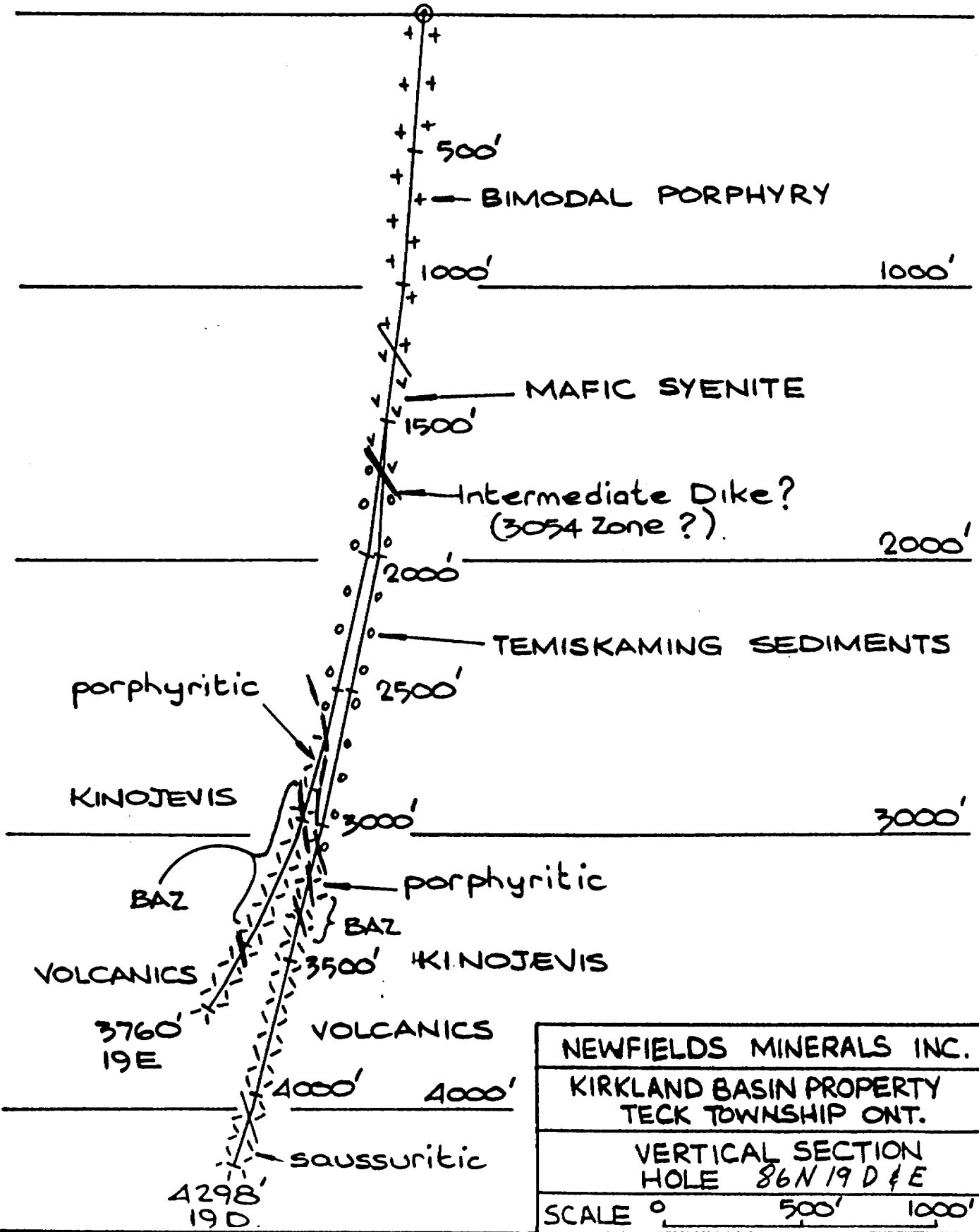
DATE	DEPTH	ACID TEST	WEDGE TOP	WEDGE TYPE	AZIMUTH (degrees)	DIP (degrees)	PURPOSE - deflect into BAZ
Apr 10	1857'		1857'	Steel	350	-86.25	Flattening wedge - start hole
Apr 11	1914'				345	-85	
Apr 12	1940'		1940'	Retriev.		-87	Flattening wedge
Apr 13	1967'				350	-84	
Apr 14	1980'		1980'	Retriev.		-84.25	Flattening wedge
Apr 15	2025'				355	-82	
Apr 17	2060'		2060'	Retriev.		-82	Flattening wedge
Apr 19	2114'					-80.5	Acid test
Apr 20	2142'					-80	Acid test
Apr 20	2197'				338	-80.5	
Apr 21	2210'		2210'	Retriev.			Right azimuth wedge
Apr 23	2291'				352	-80	
Apr 24	2450'				348.5	-80	
Apr 25	2534'				348	-80	
Apr 26	2630'				340	-78.5	
Apr 29	2762'				333	-78	
May 2	2900'		2900'	Retriev.			Right azimuth
May 5	2990'				324	-76	
May 6	3049'		3154'	Retriev.			Right azimuth
May 8	3158'				311	-74	
May 8	3154'		3154'	Retriev.			Right azimuth
May 10	3206'				320	-74	Magnetic rocks
May 12	3360'					-73.5	Magnetic
May 15	3655'					-71.5	Magnetic
May 17	3807'					-70.5	Magnetic
May 22	4296'					-69.5	Magnetic
May 22	4025'				312	-70	
May 22	3727'				313	-71	
May 23	3490'				320	-71.5	
May 23	3365'				312	-73	Bogus reading - magnetic

=====

SIGNED:

AZIMUTH 350° N

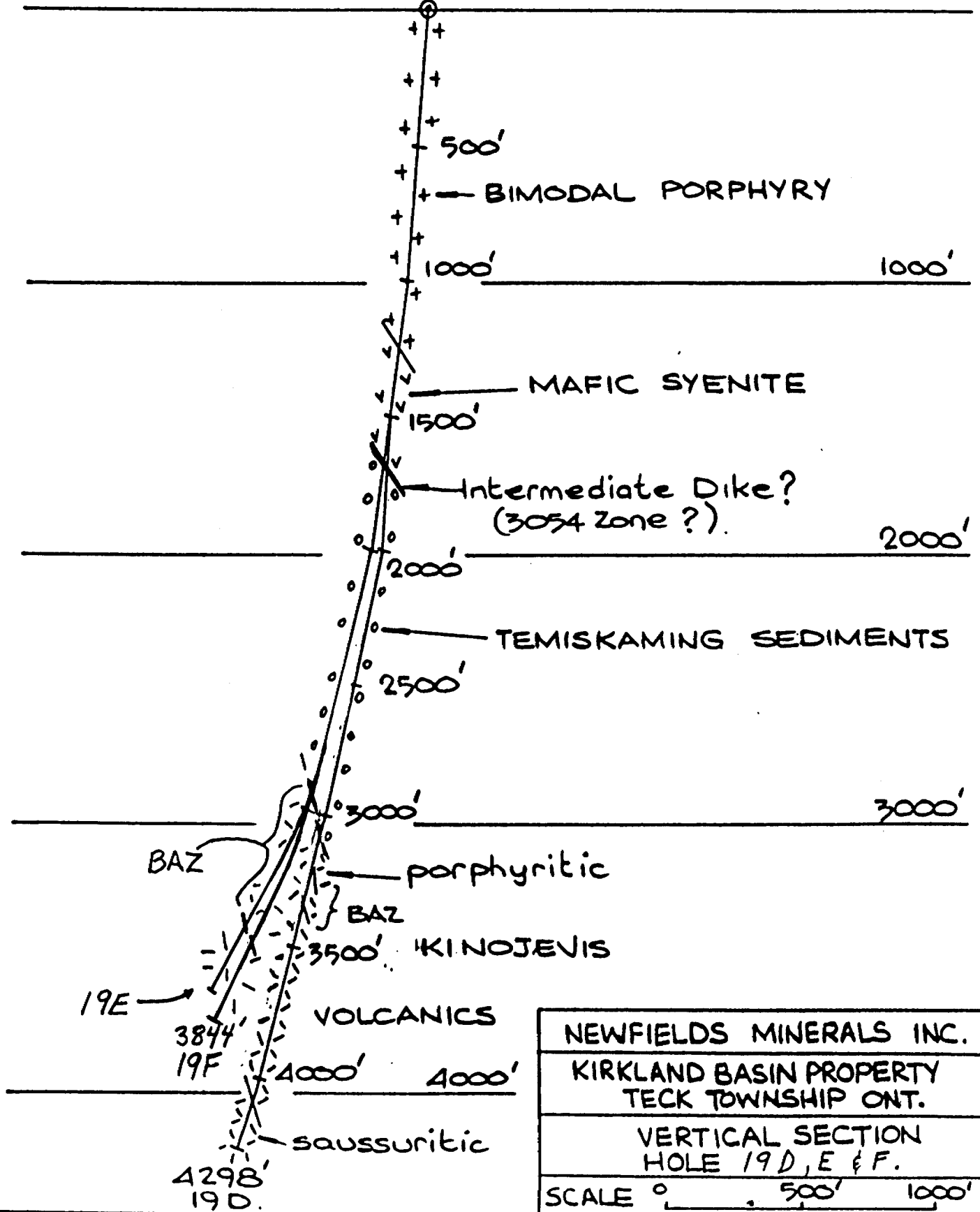
HOLE 86-N 19



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLE 86N19D&E
SCALE 0 500' 1000'

AZIMUTH 350° N

HOLE 86-N 19



NEWFIELDS MINERALS INC.
KIRKLAND BASIN PROPERTY TECK TOWNSHIP ONT.
VERTICAL SECTION HOLE 19D, E & F.
SCALE 0 500' 1000'