

# 5231

5231

REPORT ON DIAMOND DRILLING

GRIZZLY CLAIMS

SHESLAY RIVER AREA

ATLIN MINING DIVISION, B.C.

104J/4W

by

Darrel Johnson

CLAIMS: Grizzly 1 to 20 inclusive,  
RED 41 to 44 inclusive,  
RED 47 to 50 inclusive,  
RED 53, 55, 57, 59, 61,  
RED 101, 103, 105, 106, 107, 109  
KID 1

LOCATION: Northwest side of the Sheslay River,  
65 miles at 10° S of west from  
Dease Lake, B.C.

58°14'N, 131°53'W

N.T.S. 104 J/4W

OWNERS: Edward Asp, Cobre Exploration Ltd.  
and Gordon Davies

WORK BY: Ducanex Resources Limited

DATES: June 22 to August 8, 1974

Vancouver, B.C. Department of  
Mines and Petroleum Resources October 15, 1974

ASSESSMENT REPORT

NO. **5231** MAP



## SUMMARY

During the months of June, July and August, 1974, a diamond drilling programme was conducted on the Grizzly porphyry copper prospect in the Sheslay River area of northern B.C. This project, a 50/50 joint venture between Ducanex Resources Ltd. and Brascan Resources Ltd., was operated by Ducanex. Three holes, totalling 1,902 feet were drilled by Arctic Diamond Drilling Ltd. Ducanex personnel arrived on the property June 8, and all equipment and personnel left the site August 7.

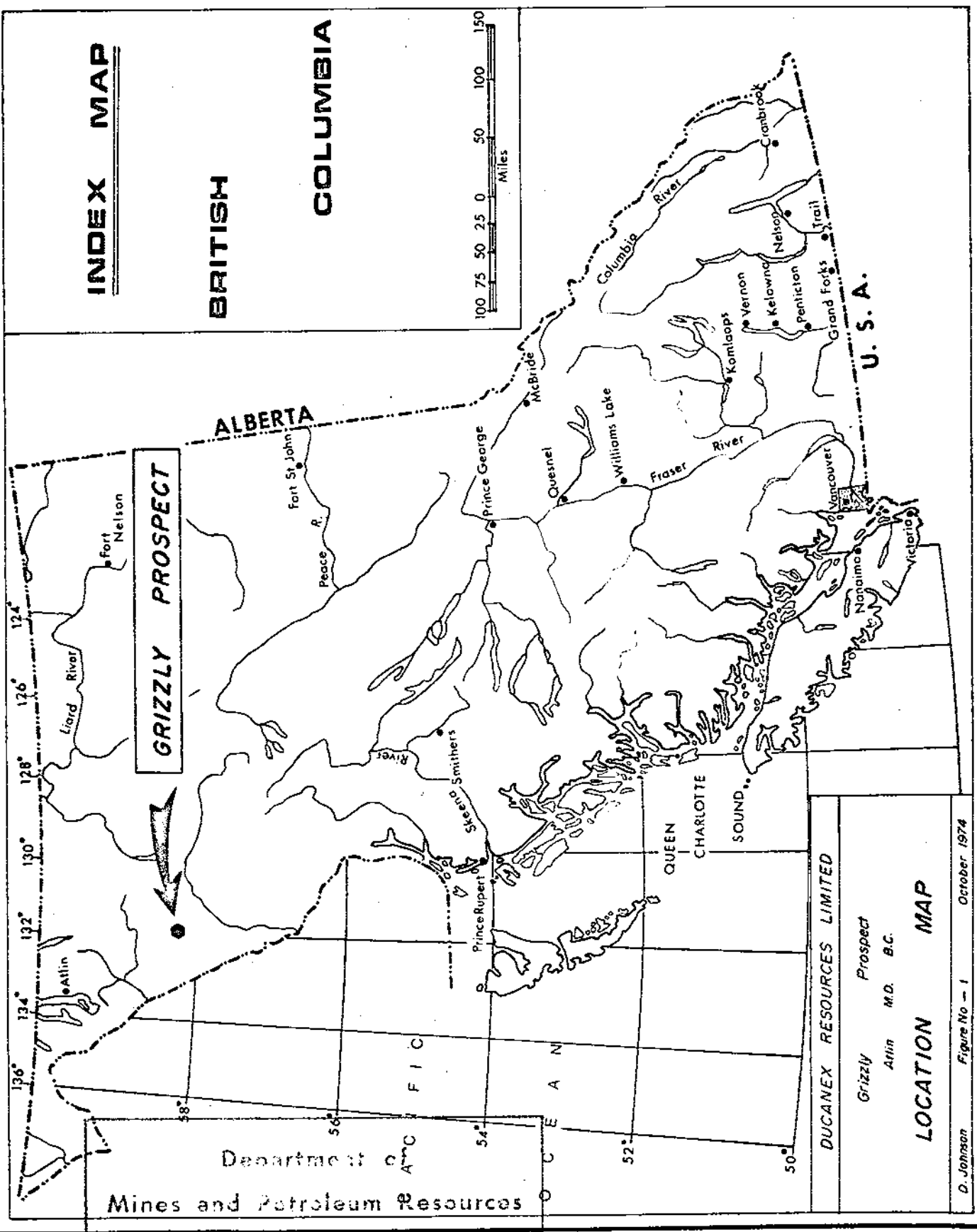
## CONCLUSIONS AND RECOMMENDATIONS

The diamond drilling did not discover any deposit of ore-grade mineralization. It is concluded that the prospect's potential has been adequately tested, and the possibility of the existence of an economic ore body has been eliminated. Further work or expenditure on this prospect cannot be recommended.

**INDEX MAP**

**BRITISH**

**COLUMBIA**



**GRIZZLY PROSPECT**

Department of  
Mines and Petroleum Resources

ASSESSMENT REPORT

NO. **5231** MAP **#1**

DUCANEX RESOURCES LIMITED

Grizzly Prospect  
Arlin M.D. B.C.

**LOCATION MAP**

INTRODUCTION

General. The Grizzly prospect is one of a number of interesting copper occurrences in the Sheslay River, Katetsa Mountain area of B.C., which have been investigated at various times since the mid-1950's. The Grizzly showings were originally held by Newmont, and have since been explored by Kennco Exploration, Colo Corporation and Cobre Explorations. Previous work included mapping, geochemical surveys and geophysical work. A limited amount of diamond drilling was attempted using an X-ray drill, but was unsuccessful due to failure to penetrate overburden.

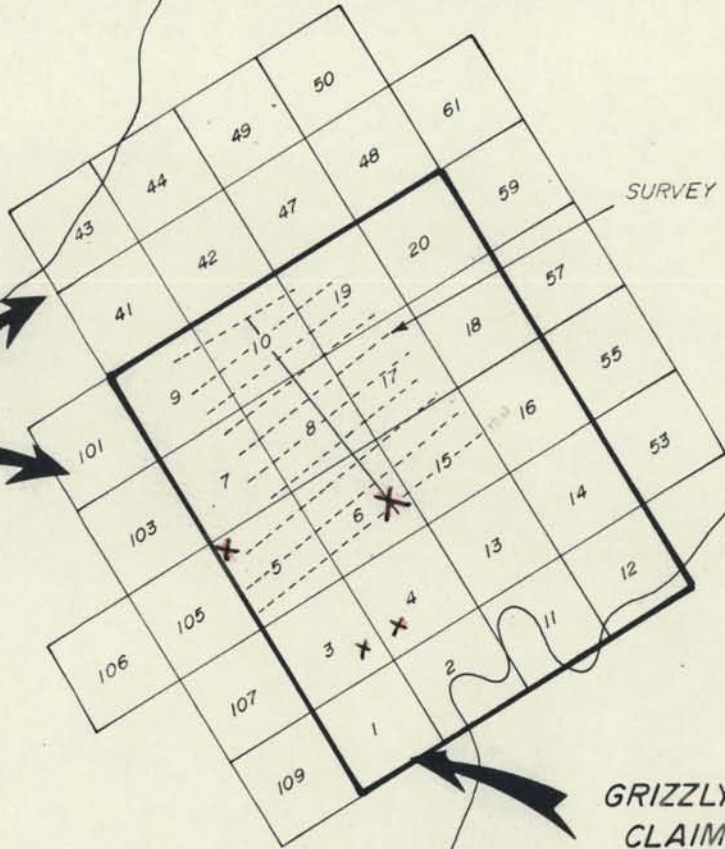
Claims. The property consists of the KID, RED, and Grizzly claims, totalling 40. Claim names, record numbers and anniversary date are listed below:

<u>Claim Name</u>	<u>Record Number</u>	<u>Anniversary Date</u>
Grizzly 1 to 20 inclusive	13951 - 13970 inclusive	October 20
RED 41 to 44	17810 - 17813	February 24
47 to 50	17816 - 17819	"
53	17822	"
55	17824	"
57	17826	"
59	17828	"
61	17830	"
101	18242	June 14
103	18244	"
105 to 107	18246 - 18248	"
109	18250	"
KID 1	4146	August 5

131° 53'



To Sheslay River



SURVEY GRID

RED CLAIMS

58° 14'

Sheslay River

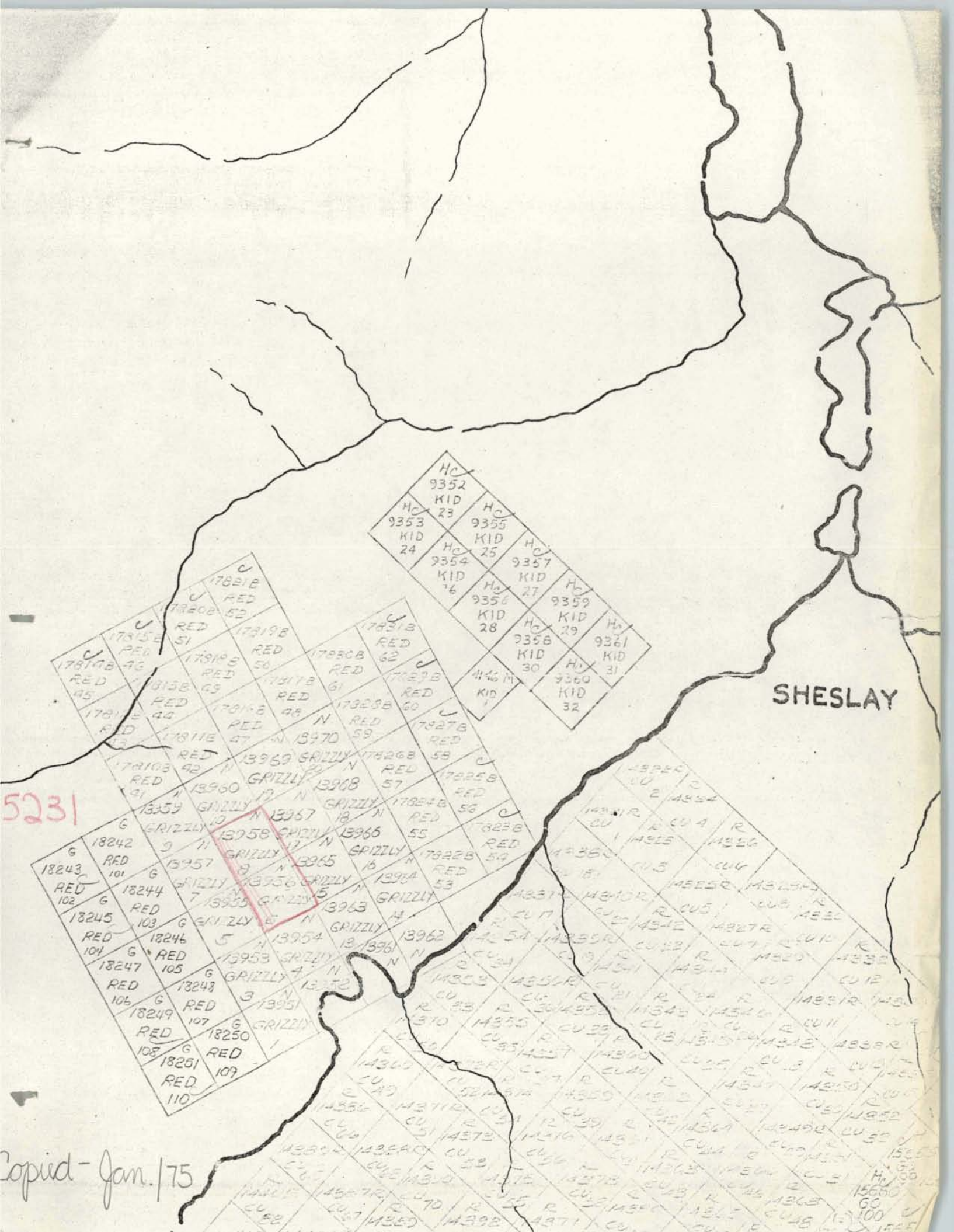
GRIZZLY CLAIMS

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. **5231** MAP **#2**

X Cu

<b>DUCANEX REŞOURCES LIMITED</b>	
Grizzly	Prospect
Atlin	M.D. B.C.
<b>CLAIM MAP</b>	
Scale 1" = 3000'	N.T.S. - 104 - J - 4W
D. Johnson	Figure No - 2 October 1974





SHESLAY

5231

178152 RED 51	178198 RED 56	178318 RED 62	178378 RED 68	178438 RED 74	178498 RED 80	178558 RED 86	178618 RED 92	178678 RED 98	178738 RED 104	178798 RED 110	178858 RED 116	178918 RED 122	178978 RED 128	179038 RED 134	179098 RED 140	179158 RED 146	179218 RED 152	179278 RED 158	179338 RED 164	179398 RED 170	179458 RED 176	179518 RED 182	179578 RED 188	179638 RED 194	179698 RED 200	179758 RED 206	179818 RED 212	179878 RED 218	179938 RED 224	179998 RED 230	180058 RED 236	180118 RED 242	180178 RED 248	180238 RED 254	180298 RED 260	180358 RED 266	180418 RED 272	180478 RED 278	180538 RED 284	180598 RED 290	180658 RED 296	180718 RED 302	180778 RED 308	180838 RED 314	180898 RED 320	180958 RED 326	181018 RED 332	181078 RED 338	181138 RED 344	181198 RED 350	181258 RED 356	181318 RED 362	181378 RED 368	181438 RED 374	181498 RED 380	181558 RED 386	181618 RED 392	181678 RED 398	181738 RED 404	181798 RED 410	181858 RED 416	181918 RED 422	181978 RED 428	182038 RED 434	182098 RED 440	182158 RED 446	182218 RED 452	182278 RED 458	182338 RED 464	182398 RED 470	182458 RED 476	182518 RED 482	182578 RED 488	182638 RED 494	182698 RED 500	182758 RED 506	182818 RED 512	182878 RED 518	182938 RED 524	182998 RED 530	183058 RED 536	183118 RED 542	183178 RED 548	183238 RED 554	183298 RED 560	183358 RED 566	183418 RED 572	183478 RED 578	183538 RED 584	183598 RED 590	183658 RED 596	183718 RED 602	183778 RED 608	183838 RED 614	183898 RED 620	183958 RED 626	184018 RED 632	184078 RED 638	184138 RED 644	184198 RED 650	184258 RED 656	184318 RED 662	184378 RED 668	184438 RED 674	184498 RED 680	184558 RED 686	184618 RED 692	184678 RED 698	184738 RED 704	184798 RED 710	184858 RED 716	184918 RED 722	184978 RED 728	185038 RED 734	185098 RED 740	185158 RED 746	185218 RED 752	185278 RED 758	185338 RED 764	185398 RED 770	185458 RED 776	185518 RED 782	185578 RED 788	185638 RED 794	185698 RED 800	185758 RED 806	185818 RED 812	185878 RED 818	185938 RED 824	185998 RED 830	186058 RED 836	186118 RED 842	186178 RED 848	186238 RED 854	186298 RED 860	186358 RED 866	186418 RED 872	186478 RED 878	186538 RED 884	186598 RED 890	186658 RED 896	186718 RED 902	186778 RED 908	186838 RED 914	186898 RED 920	186958 RED 926	187018 RED 932	187078 RED 938	187138 RED 944	187198 RED 950	187258 RED 956	187318 RED 962	187378 RED 968	187438 RED 974	187498 RED 980	187558 RED 986	187618 RED 992	187678 RED 998	187738 RED 1004	187798 RED 1010	187858 RED 1016	187918 RED 1022	187978 RED 1028	188038 RED 1034	188098 RED 1040	188158 RED 1046	188218 RED 1052	188278 RED 1058	188338 RED 1064	188398 RED 1070	188458 RED 1076	188518 RED 1082	188578 RED 1088	188638 RED 1094	188698 RED 1100	188758 RED 1106	188818 RED 1112	188878 RED 1118	188938 RED 1124	188998 RED 1130	189058 RED 1136	189118 RED 1142	189178 RED 1148	189238 RED 1154	189298 RED 1160	189358 RED 1166	189418 RED 1172	189478 RED 1178	189538 RED 1184	189598 RED 1190	189658 RED 1196	189718 RED 1202	189778 RED 1208	189838 RED 1214	189898 RED 1220	189958 RED 1226	190018 RED 1232	190078 RED 1238	190138 RED 1244	190198 RED 1250	190258 RED 1256	190318 RED 1262	190378 RED 1268	190438 RED 1274	190498 RED 1280	190558 RED 1286	190618 RED 1292	190678 RED 1298	190738 RED 1304	190798 RED 1310	190858 RED 1316	190918 RED 1322	190978 RED 1328	191038 RED 1334	191098 RED 1340	191158 RED 1346	191218 RED 1352	191278 RED 1358	191338 RED 1364	191398 RED 1370	191458 RED 1376	191518 RED 1382	191578 RED 1388	191638 RED 1394	191698 RED 1400	191758 RED 1406	191818 RED 1412	191878 RED 1418	191938 RED 1424	191998 RED 1430	192058 RED 1436	192118 RED 1442	192178 RED 1448	192238 RED 1454	192298 RED 1460	192358 RED 1466	192418 RED 1472	192478 RED 1478	192538 RED 1484	192598 RED 1490	192658 RED 1496	192718 RED 1502	192778 RED 1508	192838 RED 1514	192898 RED 1520	192958 RED 1526	193018 RED 1532	193078 RED 1538	193138 RED 1544	193198 RED 1550	193258 RED 1556	193318 RED 1562	193378 RED 1568	193438 RED 1574	193498 RED 1580	193558 RED 1586	193618 RED 1592	193678 RED 1598	193738 RED 1604	193798 RED 1610	193858 RED 1616	193918 RED 1622	193978 RED 1628	194038 RED 1634	194098 RED 1640	194158 RED 1646	194218 RED 1652	194278 RED 1658	194338 RED 1664	194398 RED 1670	194458 RED 1676	194518 RED 1682	194578 RED 1688	194638 RED 1694	194698 RED 1700	194758 RED 1706	194818 RED 1712	194878 RED 1718	194938 RED 1724	194998 RED 1730	195058 RED 1736	195118 RED 1742	195178 RED 1748	195238 RED 1754	195298 RED 1760	195358 RED 1766	195418 RED 1772	195478 RED 1778	195538 RED 1784	195598 RED 1790	195658 RED 1796	195718 RED 1802	195778 RED 1808	195838 RED 1814	195898 RED 1820	195958 RED 1826	196018 RED 1832	196078 RED 1838	196138 RED 1844	196198 RED 1850	196258 RED 1856	196318 RED 1862	196378 RED 1868	196438 RED 1874	196498 RED 1880	196558 RED 1886	196618 RED 1892	196678 RED 1898	196738 RED 1904	196798 RED 1910	196858 RED 1916	196918 RED 1922	196978 RED 1928	197038 RED 1934	197098 RED 1940	197158 RED 1946	197218 RED 1952	197278 RED 1958	197338 RED 1964	197398 RED 1970	197458 RED 1976	197518 RED 1982	197578 RED 1988	197638 RED 1994	197698 RED 2000	197758 RED 2006	197818 RED 2012	197878 RED 2018	197938 RED 2024	197998 RED 2030	198058 RED 2036	198118 RED 2042	198178 RED 2048	198238 RED 2054	198298 RED 2060	198358 RED 2066	198418 RED 2072	198478 RED 2078	198538 RED 2084	198598 RED 2090	198658 RED 2096	198718 RED 2102	198778 RED 2108	198838 RED 2114	198898 RED 2120	198958 RED 2126	199018 RED 2132	199078 RED 2138	199138 RED 2144	199198 RED 2150	199258 RED 2156	199318 RED 2162	199378 RED 2168	199438 RED 2174	199498 RED 2180	199558 RED 2186	199618 RED 2192	199678 RED 2198	199738 RED 2204	199798 RED 2210	199858 RED 2216	199918 RED 2222	199978 RED 2228	200038 RED 2234	200098 RED 2240	200158 RED 2246	200218 RED 2252	200278 RED 2258	200338 RED 2264	200398 RED 2270	200458 RED 2276	200518 RED 2282	200578 RED 2288	200638 RED 2294	200698 RED 2300	200758 RED 2306	200818 RED 2312	200878 RED 2318	200938 RED 2324	200998 RED 2330	201058 RED 2336	201118 RED 2342	201178 RED 2348	201238 RED 2354	201298 RED 2360	201358 RED 2366	201418 RED 2372	201478 RED 2378	201538 RED 2384	201598 RED 2390	201658 RED 2396	201718 RED 2402	201778 RED 2408	201838 RED 2414	201898 RED 2420	201958 RED 2426	202018 RED 2432	202078 RED 2438	202138 RED 2444	202198 RED 2450	202258 RED 2456	202318 RED 2462	202378 RED 2468	202438 RED 2474	202498 RED 2480	202558 RED 2486	202618 RED 2492	202678 RED 2498	202738 RED 2504	202798 RED 2510	202858 RED 2516	202918 RED 2522	202978 RED 2528	203038 RED 2534	203098 RED 2540	203158 RED 2546	203218 RED 2552	203278 RED 2558	203338 RED 2564	203398 RED 2570	203458 RED 2576	203518 RED 2582	203578 RED 2588	203638 RED 2594	203698 RED 2600	203758 RED 2606	203818 RED 2612	203878 RED 2618	203938 RED 2624	203998 RED 2630	204058 RED 2636	204118 RED 2642	204178 RED 2648	204238 RED 2654	204298 RED 2660	204358 RED 2666	204418 RED 2672	204478 RED 2678	204538 RED 2684	204598 RED 2690	204658 RED 2696	204718 RED 2702	204778 RED 2708	204838 RED 2714	204898 RED 2720	204958 RED 2726	205018 RED 2732	205078 RED 2738	205138 RED 2744	205198 RED 2750	205258 RED 2756	205318 RED 2762	205378 RED 2768	205438 RED 2774	205498 RED 2780	205558 RED 2786	205618 RED 2792	205678 RED 2798	205738 RED 2804	205798 RED 2810	205858 RED 2816	205918 RED 2822	205978 RED 2828	206038 RED 2834	206098 RED 2840	206158 RED 2846	206218 RED 2852	206278 RED 2858	206338 RED 2864	206398 RED 2870	206458 RED 2876	206518 RED 2882	206578 RED 2888	206638 RED 2894	206698 RED 2900	206758 RED 2906	206818 RED 2912	206878 RED 2918	206938 RED 2924	206998 RED 2930	207058 RED 2936	207118 RED 2942	207178 RED 2948	207238 RED 2954	207298 RED 2960	207358 RED 2966	207418 RED 2972	207478 RED 2978	207538 RED 2984	207598 RED 2990	207658 RED 2996	207718 RED 3002	207778 RED 3008	207838 RED 3014	207898 RED 3020	207958 RED 3026	208018 RED 3032	208078 RED 3038	208138 RED 3044	208198 RED 3050	208258 RED 3056	208318 RED 3062	208378 RED 3068	208438 RED 3074	208498 RED 3080	208558 RED 3086	208618 RED 3092	208678 RED 3098	208738 RED 3104	208798 RED 3110	208858 RED 3116	208918 RED 3122	208978 RED 3128	209038 RED 3134	209098 RED 3140	209158 RED 3146	209218 RED 3152	209278 RED 3158	209338 RED 3164	209398 RED 3170	209458 RED 3176	209518 RED 3182	209578 RED 3188	209638 RED 3194	209698 RED 3200	209758 RED 3206	209818 RED 3212	209878 RED 3218	209938 RED 3224	209998 RED 3230	210058 RED 3236	210118 RED 3242	210178 RED 3248	210238 RED 3254	210298 RED 3260	210358 RED 3266	210418 RED 3272	210478 RED 3278	210538 RED 3284	210598 RED 3290	210658 RED 3296	210718 RED 3302	210778 RED 3308	210838 RED 3314	210898 RED 3320	210958 RED 3326	211018 RED 3332	211078 RED 3338	211138 RED 3344	211198 RED 3350	211258 RED 3356	211318 RED 3362	211378 RED 3368	211438 RED 3374	211498 RED 3380	211558 RED 3386	211618 RED 3392	211678 RED 3398	211738 RED 3404	211798 RED 3410	211858 RED 3416	211918 RED 3422	211978 RED 3428	212038 RED 3434	212098 RED 3440	212158 RED 3446	212218 RED 3452	212278 RED 3458	212338 RED 3464	212398 RED 3470	212458 RED 3476	212518 RED 3482	212578 RED 3488	212638 RED 3494	212698 RED 3500	212758 RED 3506	212818 RED 3512	212878 RED 3518	212938 RED 3524	212998 RED 3530	213058 RED 3536	213118 RED 3542	213178 RED 3548	213238 RED 3554	213298 RED 3560	213358 RED 3566
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Location and Access. The property is located on the northwest side of the Sheslay River, 65 miles at 10° south of west from Dease Lake, B.C. Terrain is moderately rugged, ranging in elevation from 2,000 feet at the river to 4,100 feet at the highest point.

Vegetation is largely poplar and alder trees, with thin underbrush. Patches of large evergreen timber occur on only about 1/4 of the claim area. Clearing of drill sites, helipads, trails, etc., was relatively easy.

The only access to the site is via aircraft. An airstrip suitable for aircraft up to DC-3 size is located at the junction of the Hackett and Sheslay Rivers, about 3 miles N.E. of the claims. Frontier Helicopters maintains a base at Dease Lake, and provides good service with Bell Jet Ranger and Sikorsky 55 machines.

The nearest road is the Telegraph Creek - Dease Lake road, about 35 miles distant. Tractor trails reach the airstrip, and could easily be extended to the Grizzly property.

Climate in the area is typical of much of northern B.C. The snow-free season extends from about May 15 to September 30. Summer months are quite dry, resulting in some problems with water supply during drilling operations.



DIAMOND DRILLING

Logistics

Drilling was contracted by Arctic Diamond Drilling of Whitehorse, Y.T. Drilling equipment, camp and personnel were moved to the property from Telegraph Creek by Frontier Helicopter's S-55, in 14 loads of 2,000 lbs. each. A Bell Jet Ranger was used to move the drill between setups. Helicopter time for a drill move averaged 3½ hours including ferry time to and from Dease Lake.

Water supply presented a bit of a problem. Prior to arrival of the contractor on the property, a sump was prepared. This soon proved to be an inadequate water supply and an additional supply pump and 1,500 feet of hose had to be flown in from Whitehorse.

Machine used was a Longyear 34 with gasoline engine, using BQ wireline equipment. Core is stored at the drill sites.

Targets

D.D.H. #1 was spotted at 41+80 N, 8+80 W, at the northern edge of the previously known copper showing, Purpose of the hole was to test extent and grade of surface mineralization, and to cut across the structural

trend of the zone. The hole was drilled at a dip of -50 degrees, on a bearing of NE to a depth of 740 feet.

D.D.H. #2 was designed to test a moderate I.P. anomaly centred on line 32N, just east of the baseline. Geochemical work in this area had given values in excess of 500 p.p.m. copper. The hole was collared at 32+80 N, 0+30 E, and drilled at -50 degree dip, bearing NE to a depth of 739 feet.

D.D.H. #3 was intended to examine a strong I.P. anomaly shown in the old Kennco data. The hole was drilled from 20+70 N, 13 W, to a depth of 423 feet. Bearing was 240 degrees, dip was -45 degrees.

Drill hole data is summarized in Table 1.

#### RESULTS

Detailed drill logs are included in Appendix B.

##### D.D.H. #1

Alternating zones of andesite and syeno-monzonite occurred throughout Hole No. 1. All rock was well altered, with chlorite, epidote and potash feldspar enrichment along fractures. Pyrite was evident in varying amounts in most of the core. One section, 260-380 feet, was split and assayed, giving values of .02% to .08% copper (average .04/120 feet).

D.D.H. #2

Geology in the second hole was very similar to that in No. 1. Pyrite was present in amounts sufficient to cause the I.P. anomaly being tested. No copper mineralization was seen and no core was assayed.

D.D.H. #3

The strong I.P. anomaly being tested was readily explained by the massive pyrite throughout Hole No. 3. Four random 10-foot sections of this pyrite were assayed, with no interesting results.

REFERENCES

Fitzgerald, M.J., P.Eng.

Report on Geological, Geochemical and Geophysical Surveys - Grizzly Prospect  
Cobre Exploration Ltd., November, 1972

Hallof, P.G., Ph.D.

Report on Geophysical Survey, (Induced Polarization and Resistivity) on the Kid Claim Group, Atlin M.D., B.C.  
Kennco Explorations (Western) Ltd., June, 1962

Walcott, P.E., P.Eng.

A Geophysical Report on an Induced Polarization Survey on the Grizzly Claims,  
June, 1974.

David Johnson

T A B L E 1

DRILL HOLE DATA

<u>HOLE NO.</u>	<u>GRID LOCATION</u>	<u>DIP</u>	<u>BEARING</u>	<u>DEPTH</u>
1	41+80 N 8+80 W	-50°	NE	740 feet
2	32+80 N 0+30 E	-50°	NE	739 feet
3	20+70 N 13 W	-45°	240°	423 feet

COMPANY DUCANEX RESOURCES LIMITED

PROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 1  
 Started June 29, 1974  
 Finished July 17, 1974  
 Depth 740 ft.

Reference \_\_\_\_\_  
 Location 41 + 80 N  
8 + 80 W  
 Elevation \_\_\_\_\_

HOLE No. 1  
 Bearing N.E.  
 Dip: -50 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS				
			NO	FROM	TO	WIDTH					
0	48	Casing									
48	53	Syenite - badly broken with chlorite and epidote.									
53	90	Fine-grained andesite. Badly broken. Much alteration on fractures - calcite - epidote - chlorite - K-spar flooding									
90	101	Brecciated zone.									
101	113	Brecciated fine-grained andesite, calcite on fractures.									
113	176	Fine-grained andesite - badly broken. Much epidote alteration on fractures with calcite and chlorite.									
176	177	Breccia with calcite.									
177	200	Same broken, fine-grained andesite.									
200	223	Same as above, some breccia zones. Calcite stringers. Much epidote and chlorite.									
225	260	Badly broken fine-grained andesite with chlorite and epidote. Some K-spar enrichment along fractures, containing									

APPENDIX "A"

Drilled by Arctic Diamond Drilling Company Core Size BQ

Logged by D. Johnson

COMPANY DUCANEX RESOURCES LIMITEDPROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 2  
Started June 29, 1974  
Finished July 17, 1974  
Depth 740 Ft.Reference \_\_\_\_\_  
Location \_\_\_\_\_  
Elevation \_\_\_\_\_HOLE No. 1  
Bearing N.E.  
Dip: -50 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS		
			NO	FROM	TO	WIDTH	% Cu		
		minor amounts of pyrite.							
260	262	Strongly sheared contact zone. K-spar flooded fine-grained andesite.	11276	260'	270'	10'	.06		
			11277	270'	280'	10'	.08		
262	278	Medium-grained pink syenite. Badly broken. Minor amounts of pyrite and chalcopyrite, disseminated and on fractures.	11278	280'	290'	10'	.05		
			11283	290'	300'	10'	.03		
278	288	Syenite. Badly broken, chlorite and epidote alteration on fractures. Minor sulphides (pyrite) associated with mafic minerals moderately magnetic.	11284	300'	310'	10'	.04		
			11285	310'	320'	10'	.03		
			11286	320'	330'	10'	.04		
288	329	More monzonitic composition.	11287	330'	340'	10'	.02		
329	341	Badly broken and ground sections. Some fine sulphides.	11279	340'	350'	10'	.07		
341	369	Syenite, with minor amounts of magnetite, pyrite and chalcopyrite. Some K-spar enrichment along fractures.	11280	350'	360'	10'	.04		
			11281	360'	370'	10'	.03		
369	382	Monzonite, with K-spar enrichment on fractures. $\frac{1}{2}$ inch seam of clay mineral.	11282	370'	380'	10'	.04		

Drilled by Arctic Diamond Drilling Company Core Size BQLogged by D. Johnson



COMPANY DUCANEX RESOURCES LIMITEDPROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 3  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth \_\_\_\_\_Reference \_\_\_\_\_  
Location \_\_\_\_\_  
Elevation \_\_\_\_\_HOLE No. 1  
Bearing N.E.  
Dip: -50 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS						
			NO	FROM	TO	WIDTH							
		Few isolated blebs of chalcopyrite up to 1/16 inch in diameter.											
382	383	Fine-grained andesite dike.											
383	404	Badly broken pinkish syenite. Chlorite and epidote on shears. Fine-grained disseminated sulphides. Some narrow (1 inch) andesite dikes highly altered to clay minerals.											
404	408	Highly altered section.											
408	466	Fractured monzonite. Chlorite and epidote on shears. Some K-spar enrichment. NO MINERALIZATION											
466	468	Serpentine on fractures.											
468	489	Syenite - very sugary texture.											
489	493	Breccia zone.											
493	516	Syenite with epidote, calcite, chlorite. Rare sulphides.											
516	535	Same as above, no sulphides.											
535	537	MUD SEAMS											

Drilled by Arctic Diamond Drilling Company Core Size BQLogged by D. Johnson

COMPANY DUCANEX RESOURCES LIMITED

PROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 4  
 Started \_\_\_\_\_  
 Finished \_\_\_\_\_  
 Depth \_\_\_\_\_

Reference \_\_\_\_\_  
 Location \_\_\_\_\_  
 Elevation \_\_\_\_\_

HOLE No. 1  
 Bearing N.E.  
 Dip: -50 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES			ASSAYS							
			NO	FROM	TO	WIDTH							
537	543	Contact zone. Syenite to andesite. Much calcite and epidote. No sulphides.											
543	560	Andesite. Greenish - sugary textured.											
560	561	Syenite dyke.											
561	619	More andesite, occasional syenite dyke. No sulphides.											
619	621	K-spar enriched zone.											
622	632	Syenite.											
632	657	Andesite, much epidote and chlorite. Minor syenite dykes.											
657	740	Fine-grained syenite. Fractured, broken and re-cemented. Stringers of calcite and epidote. Very rare pyrite.											
		END OF HOLE											

Drilled by Arctic Diamond Drilling Core Size BQ  
 Company

Logged by D. Johnson

COMPANY DUCANEX RESOURCES LIMITEDPROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 1  
Started July 21, 1974  
Finished July 28, 1974  
Depth 739 feetReference \_\_\_\_\_  
Location 32 + 80 N  
00 + 30 E  
Elevation \_\_\_\_\_HOLE No. 2  
Bearing N. E.  
Dip: -50 @ Collar; e

FROM	TO	DESCRIPTION	SAMPLES			ASSAYS				
			NO	FROM	TO	WIDTH				
0	25	OVERBURDEN								
25	35	Andesite, broken, much pyrite on shears, associated with epidote. Almost Gneissic texture. No visible copper.								
35	51	Syenite. Much fine-grained pyrite along shears, with epidote.								
51	83	Porphyritic andesite, well sheared, with epidote and pyrite on shears. Calcite and serpentine. Some magnetite crystals.								
88	89	12" dike solid epidote.								
89	105	Andesite, similar to above, less broken. Minor syenite sikes. Much pyrite, chlorite and epidote.								
105	109.5	Zone of syenite dyking. Barren.								
109.5	125.5	Porphyritic andesite. Chlorite, epidote, calcite. Weakly magnetic.								
125.5	130	Syenite, with epidote and minor pyrite on shears.								

Drilled by Arctic Diamond Drilling Core Size BQLogged by D. Johnson

COMPANY DUCANEX RESOURCES LIMITED

PROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 2  
 Started \_\_\_\_\_  
 Finished \_\_\_\_\_  
 Depth \_\_\_\_\_

Reference \_\_\_\_\_  
 Location \_\_\_\_\_  
 Elevation \_\_\_\_\_

HOLE No. 2  
 Bearing \_\_\_\_\_  
 Dip: \_\_\_\_\_ @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES			ASSAYS				
			NO	FROM	TO	WIDTH				
130	172	Fine to medium-grained monzonite. Magnetite. K-spar enrichment along fractures, with calcite, epidote, chlorite. Much pyrite, both disseminated and on fractures.								
172	252	Syeno-monzonite. More syenitic than 130-172. Magnetite as blebs and fracture filling. Some epidote stringers. Some broken sections, re-cemented with calcite.								
252	305	Fine-grained andesite. Epidote stringers up to 1/2 in. thick. Calcite stringers. Chlorite on fractures. Minor K-spar enriched zones and syenite dikes. Rare pyrite.								
305	313	Altered syenite? Calcite stringers. Epidote (calcite more recent). Stringers warped and convoluted.								
313	439	Altered andesite. Minor syenite dikes, up to 1/2 in. thick. Calcite on fractures. Much chlorite and epidote. Barren.								

Drilled by Arctic Diamond Drilling Core Size BQ

Logged by D. Johnson

COMPANY DUCANEX RESOURCES LIMITED

PROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 3  
 Started \_\_\_\_\_  
 Finished \_\_\_\_\_  
 Depth \_\_\_\_\_

Reference \_\_\_\_\_  
 Location \_\_\_\_\_  
 Elevation \_\_\_\_\_

HOLE No. 2  
 Bearing \_\_\_\_\_  
 Dip: \_\_\_\_\_ @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS						
			NO	FROM	TO	WIDTH							
439	455	Syeno-monzonite. K-spar enrichment along fractures. Epidote and calcite.											
455	456	Altered andesite dike.											
456	462	Syeno-monzonite.											
462	472	Contact zone, sheared and brecciated. Alternating bands of andesite and syeno-monzonite.											
472	524	Altered andesite, same as above.											
524	524.5	6 inch band of massive orthoclase.											
524.6	605	More altered andesite. K-spar rich zones. Mud seams. Minor pyrite. Brecciated zones, cemented with K-spar.											
605	739	Monzonite, altered and fractured with epidote, calcite and K-spar enrichment.											
		END OF HOLE.											

Drilled by Arctic Diamond Drilling Core Size BQ

Logged by Darrel Johnson

COMPANY DUCANEX RESOURCES LIMITEDPROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 1  
 Started July 30, 1974  
 Finished Aug. 4, 1974  
 Depth 423 feet

Reference \_\_\_\_\_  
 Location 20 + 70 N  
13 W  
 Elevation \_\_\_\_\_

HOLE No. 3  
 Bearing 240°  
 Dip: -45 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS						
			NO	FROM	TO	WIDTH							
0	38	OVERBURDEN AND CASING											
38	52	Badly broken bedrock, no core.											
53	108	Highly altered andesite. Abundant pyrite, both fracture filling and disseminated. Much K-spar enrichment and calcite along fractures. Hematite stringers. Some bands of massive epidote, up to 1/4 inch thick, encasing calcite.  At least three separate ages of fracture filling: 1. Calcite. 2. Epidote. 3. Hematite.											
108	141	Altered monzonite. Abundant pyrite, both disseminated and as massive fracture fillings up to 1/4 inch thick, associated with epidote. General increase in pyrite with depth. Abundant hematite - muddy red coating on core.											
141	148	Altered andesite. Varying amounts of pyrite.											

Drilled by Arctic Diamond Drilling Core Size BQLogged by D. Johnson



COMPANY DUCANEX RESOURCES LIMITEDPROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 2  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth \_\_\_\_\_Reference \_\_\_\_\_  
Location \_\_\_\_\_  
Elevation \_\_\_\_\_HOLE No. 3  
Bearing \_\_\_\_\_  
Dip: \_\_\_\_\_ @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS		
			NO	FROM	TO	WIDTH	% Cu		
148	151	Contact zone, grading back to a syeno-monzonite. Up to 15% sulphides in rock, apparently all pyrite.							
151	156	Syenite, fractures and re-cemented with calcite.							
156	169	Altered andesite, very little pyrite.							
169	170	Massive epidote, with calcite stringers Hematite and pyrite.	11288	160'	170'	10'	.04		
170	184	Altered andesite, calcite stringers up to 1/8 inch. Occasional pyrite stringers.							
184	193	Altered monzonite. Much pyrite, hematite, calcite, epidote.							
193	195	Clay seam.							
195	196	Agglomerate with calcite on fractures.							
196	204	Altered andesite.							
204	221	Altered monzonite. Fine stringers of calcite, surrounding hematite. Fine-grained pyrite. K-spar flooding increases with depth.							

Drilled by Arctic Diamond Drilling Core Size BQLogged by D. Johnson

COMPANY DUCANEX RESOURCES LIMITEDPROPERTY GRIZZLY J.V.

Township \_\_\_\_\_

Claim No. \_\_\_\_\_

SHEET No. 3  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth \_\_\_\_\_Reference \_\_\_\_\_  
Location \_\_\_\_\_  
Elevation \_\_\_\_\_HOLE No. 3  
Bearing \_\_\_\_\_  
Dip: \_\_\_\_\_ @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS		
			NO	FROM	TO	WIDTH	% Cu	% Ni	Au/oz.
221	225.5	Rock composed of about 50% orthoclase-sugary texture, some calcite stringers. Barren.							
225.5	234	Agglomerate, with calcite, epidote, serpentine, hematite and pyrite.							
234	287	Altered porphyritic andesite. Much epidote (up to 30%). Chlorite. Calcite veins up to 1 inch wide, with hematite. Moderately magnetic. Pyrite abundant, entirely within epidote stringers.	11289	270'	280'	10'	.04		
287	290	Syenite dike, with some pyrite in epidote stringers.							
290	300	Altered andesite.							
300	303	Massive epidote. Minor pyrite.							
303	325	Altered andesite, with massive hematite, generally less sulphides than above. Badly broken.							
325	388	Altered andesite. Rich in magnetite - some blebs up to 1/4 inch diameter, surrounded by epidote. Less pyrite than above.	11291	330	340	10'	.02	.01	trace
			11290	360	370	10'	.04	.01	trace

Drilled by Arctic Diamond Drilling Core Size B0Logged by D. Johnson



APPENDIX B

COSTS

GRIZZLY PROJECT


1. Drilling Costs	
Arctic Diamond Drilling	\$ 38,588
2. Transportation	
Aircraft Charters	27,270
Truck Rentals	1,245
3. Wages	6,906
4. Assays	226
	<hr/>
	\$ 74,235

APPENDIX C

STATEMENT OF QUALIFICATIONS

I, Darrel Johnson, of the Municipality of Burnaby,  
in the Province of British Columbia, do hereby  
state that:

1. I graduated from the University of British Columbia in 1970 with a B.Sc. degree in Geology.
2. I have been working in all phases of mining exploration in British Columbia for the past ten years.
3. During the past four years I have held responsible positions as a geologist with various mineral exploration companies in British Columbia.
4. I am presently the geologist-in-charge of the office of Ducanex Resources Limited, at 312 - 409 Granville Street, Vancouver, B.C.
5. I personally supervised the work described in this report.



Darrel Johnson

Vancouver, B.C.  
October 15, 1974





LEGEND

- Overburden, Glacial Drift
- Syntite to Monzonite
- Monzonite to Diorite
- Fine Grained Andesite
- Porphyritic Andesite
- Talus
- Fault
- Vein With Copper Mineralization
- Outcrop
- Fracturing - Vertical
- Fracturing - Inclined
- Inferred Geologic Contact

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 5231 MAP #3

5231  
M3

*David Johnson*  
MAP TO ACCOMPANY A REPORT  
By D. JOHNSON  
DATED SEPTEMBER 1974

DUCANEX RESOURCES LIMITED

GRIZZLY PROSPECT  
SHELLEY RIVER AREA  
ATLIN M.D. BC.  
104 J-4-W

GEOLOGY AND DRILL HOLES

200 0 200 400 600 feet  
SCALE

D. Johnson Sept 1974 Figure No. 3