

LOG NO: JAN 31	RD.
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ASSESSMENT REPORT ON THE 1991 DRILL PROGRAM
 on the
POPLAR GROUP NUMBERS 1 and 2
Poplar Lake Area
Omineca Mining Division, British Columbia

SUB-RECORDER
 RECEIVED
 JAN 27 1992
 M.R. #..... \$.....
 VANCOUVER, B.C.

NTS 93E/15W, 93L/02W, 93L/03E
 Latitude 54° 01' North
 Longitude 126° 58' West

for

Owners:

C.Critchlow, M.Callaghan, F.Onucki
 # 209 - 2040 Barclay Street
 Vancouver, B.C., V6G 1L5

and

Operator:

NEW CANAMIN RESOURCES LTD.
 304 - 255 West 1st Street
 North Vancouver, B.C. V7M 3G8

by

Gordon D. House, P.Geo.

January 25th, 1992

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,092

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INTRODUCTION

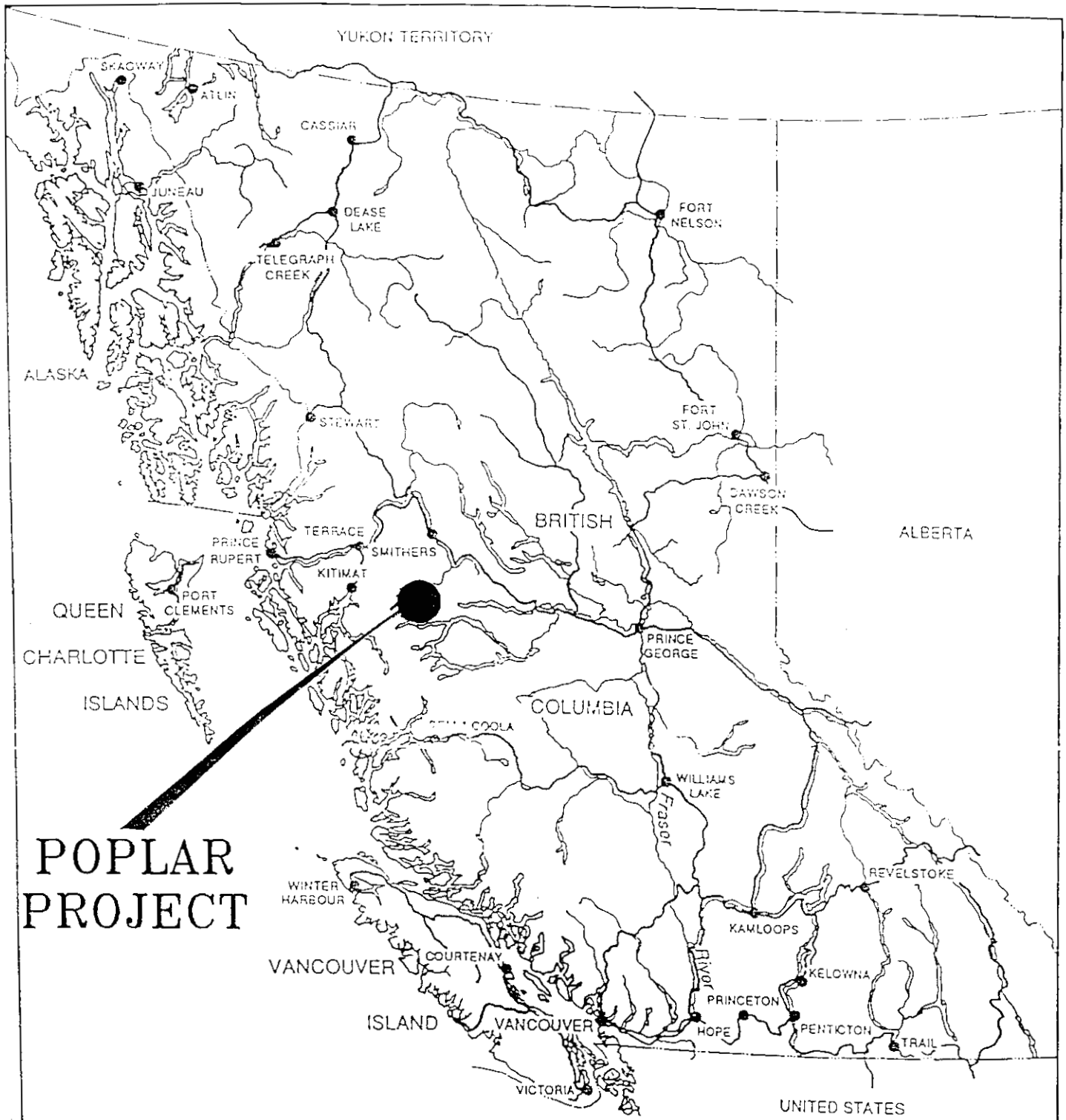
The Poplar property was acquired by New Canamin Resources Ltd., by option agreement from Metamin Enterprises Inc., who held the property under option from Messrs. M.Callaghan, F.Onucki and C.Critchlow, the original stakers. Metamin Enterprises Inc. transferred their option interest to New Canamin Resources Ltd. in 1991. The property consists of 234 claims covering the Poplar porphyry copper-molybdenum-silver-gold deposit, located on the north side of Tagetochlain (Poplar) Lake about 75 road kilometers south of Houston, B.C.

The Poplar property was originally staked in 1971 for El Paso Mining and Milling Company, who carried out soil geochemical surveys, geological mapping and bulldozer trenching in 1971 and 1972. Results were disappointing and the property was subsequently acquired by the original stakers.

The Poplar property was optioned by Utah Mines Ltd. in 1974, and development work carried out included geological and topographic mapping, soil geochemical surveys, geophysical surveying including ground magnetometer surveys and induced polarization surveys, as well as diamond drilling a total of 58,730 feet (17,900m) in 73 holes. Utah Mines Ltd. spent a total of \$2,500,000.00 and published estimated global reserves of 286 million tons (260 million tonnes) of 0.37 % copper "equivalent" at a 0.25% copper "equivalent" cut-off.

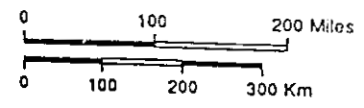
New Canamin Resources Ltd. carried out a diamond drilling program on two areas of the claims under the supervision of Ainsworth Jenkins Holdings Inc. during the period from September 7, 1991 through October 18, 1991. Two Modified Grid claims totalling 28 units were staked on the Northeast side of the property in September, 1991, and were added to the optioned property.

This Report has been prepared for New Canamin Resources Ltd. for recording of Assessment work and to report on the drill program.



**POPLAR
PROJECT**

**NEW CANAMIN RESOURCES LTD.
POPLAR PROJECT
OMINECA MINING DIVISION
GENERAL LOCATION MAP**



DRAWN BY: GDH DESIGNED BY:

FIGURE 1

SUMMARY

New Canamin Resources Ltd. have acquired the Poplar porphyry copper - molybdenum - silver - gold deposit by option agreement from Metamin Enterprises Inc. The property consists of 234 claims originally staked as two post claims for El Paso Mining and Milling Company in 1971. The property is located about 75 kilometers south of Houston in the central interior of British Columbia, and is situated within the Omineca Mining Division.

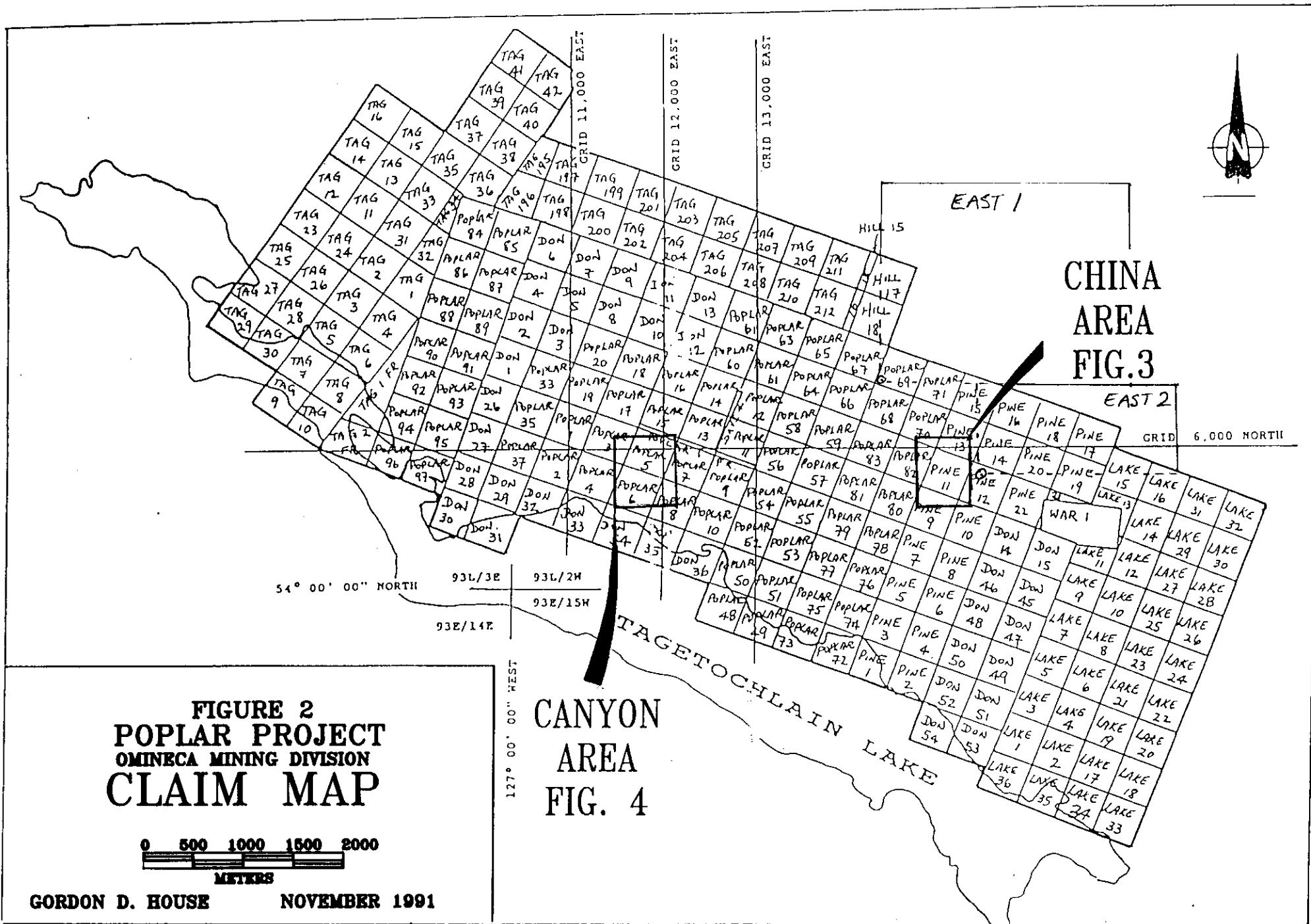
El Paso Mining and Milling Company explored the property by geochemical soil surveys, geological mapping and bulldozer trenching in 1971 and 1972. The results were disappointing, the claims were dropped and subsequently acquired by the original stakers.

Utah Mines Ltd. acquired the property in 1974 and carried out geological, geophysical, geochemical and drilling programs during the period from 1974 through 1982, for an expenditure of \$2,500,000.00, reporting global reserves of 260 million tonnes of 0.37% copper equivalent at a 0.25% copper equivalent cut off grade.

In April 1982, Utah Mines Ltd. filed ten years of assessment work on the claims, allowed the option to lapse and returned the property to the original vendors. No additional work was done on the property since 1982.

The property was optioned by Metamin Enterprises Inc. from the owners, M.J.Callaghan, F.Onucki and C.Critchlow in 1991. The option agreement was acquired by New Canamin Resources Ltd. who undertook a diamond drilling program on the property in September - October 1991. The program was supervised by Ainsworth - Jenkins Holdings Inc. A further two Modified Grid claims for a total of 28 units were staked on the northeast side of the property in September, 1991, and added to the property.

This report has been prepared for New Canamin Resources Ltd. for filing as the Drill Report for Assessment Work on the claims, and as a record of the work carried out during the diamond drill program. Recommendations are made for further drilling in the Canyon Creek area of the property to extend the high grade core of the deposit by judicious infill drilling, recommendations are also made for an Induced Polarization survey on the China Creek copper geochemical soil anomaly to outline favourable areas of alteration for further diamond drilling.



PROPERTY AND OWNERSHIP

The Poplar property consists of 234 Two post mineral claims (234 units), and two Modified Grid claims totalling 28 units, located within the Omineca Mining Division and covering the corner of three mineral title map sheets; 93E/15W, 93L/02W and 93L/03E, at a scale of 1 : 50,000. The majority of the claims were staked during 1974 and 1975 as two post claims. The claims are listed in Table I as follows:

TABLE I

CLAIM NAME	RECORD NUMBER	MINERAL TENURE NUMBER	EXPIRY DATE
DAVE # 1 FR	133103	246089	Nov. 27, 1992
DAVE # 2 FR	133104	246090	Nov. 27, 1992
DAVE # 4 FR	133106	246091	Nov. 27, 1992
DAVE # 5 FR	133107	246092	Nov. 27, 1992
DON 1	132366	245972	Oct. 03, 1992
DON 2	132367	245973	Oct. 03, 1992
DON 3	132368	245974	Oct. 03, 1992
DON 4	132369	245975	Oct. 03, 1992
DON 5	132370	245976	Oct. 03, 1992
DON 6	132371	245977	Oct. 03, 1992
DON 7	132372	245978	Oct. 03, 1992
DON 8	132373	245979	Oct. 03, 1992
DON 9	132374	245980	Oct. 03, 1992
DON 10	132375	245981	Oct. 03, 1992
DON 11	132376	245982	Oct. 03, 1992
DON 12	132377	245983	Oct. 03, 1992
DON 13	132378	245984	Oct. 03, 1992
DON 14	132379	245985	Oct. 03, 1992
DON 15	132380	245986	Oct. 03, 1992
DON 26	132381	245987	Oct. 03, 1992
DON 27	132382	245988	Oct. 03, 1992
DON 28	132383	245989	Oct. 03, 1992
DON 29	132384	245990	Oct. 03, 1992
DON 30	132385	245991	Oct. 03, 1992
DON 31	132386	245992	Oct. 03, 1992
DON 32	132387	245993	Oct. 03, 1992
DON 33	132387A	304917	Oct. 03, 1992
DON 34	132388	245994	Oct. 03, 1992
DON 35	132389	245995	Oct. 03, 1992
DON 36	132390	245996	Oct. 03, 1992
DON 45	132399	245997	Oct. 03, 1992
DON 46	132400	245998	Oct. 03, 1992
DON 47	132401	245999	Oct. 03, 1992
DON 48	132402	246000	Oct. 03, 1992

CLAIM NAME	RECORD NUMBER	MINERAL TENURE NUMBER	EXPIRY DATE
DON 49	132403	246001	Oct. 03, 1992
DON 50	132404	246002	Oct. 03, 1992
DON 51	132405	246003	Oct. 03, 1992
DON 52	132406	246004	Oct. 03, 1992
DON 53	132407	246005	Oct. 03, 1992
DON 54	132408	246006	Oct. 03, 1992
HILL 15	132458	246009	Oct. 30, 1992
HILL 16	132459	246010	Oct. 30, 1992
HILL 17	132460	246011	Oct. 30, 1992
HILL 18	132461	246012	Oct. 30, 1992
LAKE 1	132574	246035	Oct. 16, 1992
LAKE 2	132575	246036	Oct. 16, 1992
LAKE 3	132576	246037	Oct. 16, 1992
LAKE 4	132577	246038	Oct. 16, 1992
LAKE 5	132578	246039	Oct. 16, 1992
LAKE 6	132579	246040	Oct. 16, 1992
LAKE 7	132580	246041	Oct. 16, 1992
LAKE 8	132581	246042	Oct. 16, 1992
LAKE 9	132582	246043	Oct. 16, 1992
LAKE 10	132583	246044	Oct. 16, 1992
LAKE 11	132584	246045	Oct. 16, 1992
LAKE 12	132585	246046	Oct. 16, 1992
LAKE 13	132586	246047	Oct. 16, 1992
LAKE 14	132587	246048	Oct. 16, 1992
LAKE 15	132588	246049	Oct. 16, 1992
LAKE 16	132589	246050	Oct. 16, 1992
LAKE 17	132590	246051	Oct. 16, 1992
LAKE 18	132591	246052	Oct. 16, 1992
LAKE 19	132592	246053	Oct. 16, 1992
LAKE 20	132593	246054	Oct. 16, 1992
LAKE 21	132594	246055	Oct. 16, 1992
LAKE 22	132595	246056	Oct. 16, 1992
LAKE 23	132596	246057	Oct. 16, 1992
LAKE 24	132597	246058	Oct. 16, 1992
LAKE 25	132598	246059	Oct. 16, 1992
LAKE 26	132599	246060	Oct. 16, 1992
LAKE 27	132600	246061	Oct. 16, 1992
LAKE 28	132601	246062	Oct. 16, 1992
LAKE 29	132602	246063	Oct. 16, 1992
LAKE 30	132603	246064	Oct. 16, 1992
LAKE 31	132604	246065	Oct. 16, 1992
LAKE 32	132605	246066	Oct. 16, 1992
LAKE 33	132606	246067	Oct. 16, 1992
LAKE 34	132607	246068	Oct. 16, 1992
LAKE 35	132608	246069	Oct. 16, 1992
LAKE 36	132609	246070	Oct. 16, 1992

CLAIM NAME	RECORD NUMBER	MINERAL TENURE NUMBER	EXPIRY DATE
PINE 1	132492	246013	Oct. 10, 1992
PINE 2	132495	246014	Oct. 10, 1992
PINE 3	132496	246015	Oct. 10, 1992
PINE 4	132497	243016	Oct. 10, 1992
PINE 5	132498	246017	Oct. 10, 1992
PINE 6	132499	246018	Oct. 10, 1992
PINE 7	132500	246019	Oct. 10, 1992
PINE 8	132501	246020	Oct. 10, 1992
PINE 9	132502	246021	Oct. 10, 1992
PINE 10	132503	246022	Oct. 10, 1992
PINE 11	132502	246023	Oct. 10, 1992
PINE 12	132503	246024	Oct. 10, 1992
PINE 13	132504	246025	Oct. 10, 1992
PINE 14	132505	246026	Oct. 10, 1992
PINE 15	132506	246027	Oct. 10, 1992
PINE 16	132507	246028	Oct. 10, 1992
PINE 17	132508	246029	Oct. 10, 1992
PINE 18	132509	246030	Oct. 10, 1992
PINE 19	132510	246031	Oct. 10, 1992
PINE 20	132511	246032	Oct. 10, 1992
PINE 21	132512	246033	Oct. 10, 1992
PINE 22	132513	246034	Oct. 10, 1992
POPLAR #1 FR	110648	245457	Jul. 1, 1992
POPLAR #2 FR	130951	245898	Aug. 14, 1992
POPLAR 1	96902	245318	Jan. 29, 1992
POPLAR 2	96903	245319	Jan. 29, 1992
POPLAR 3	96904	245320	Jan. 29, 1992
POPLAR 4	96905	245321	Jan. 29, 1992
POPLAR 5	96906	245322	Jan. 29, 1992
POPLAR 6	96907	245323	Jan. 29, 1992
POPLAR 7	130933	245890	Aug. 14, 1992
POPLAR 8	130934	245891	Aug. 14, 1992
POPLAR 9	130935	245892	Aug. 14, 1992
POPLAR 10	130936	245893	Aug. 14, 1992
POPLAR 11	130937	245894	Aug. 14, 1992
POPLAR 12	130938	245895	Aug. 14, 1992
POPLAR 13	130939	245896	Aug. 14, 1992
POPLAR 14	130940	245897	Aug. 14, 1992
POPLAR 15	98818	245331	May 27, 1992
POPLAR 16	98819	245332	May 27, 1992
POPLAR 17	98820	245333	May 27, 1992
POPLAR 18	98821	245334	May 27, 1992
POPLAR 19	98822	245335	May 27, 1992
POPLAR 20	98823	245336	May 27, 1992

CLAIM NAME	RECORD NUMBER	MINERAL TENURE NUMBER	EXPIRY DATE
POPLAR 33	110642	245454	Jun. 01, 1992
POPLAR 35	110644	245455	Jun. 01, 1992
POPLAR 37	110646	245456	Jun. 01, 1992
POPLAR 48	131404	245910	Sep. 23, 1992
POPLAR 49	131405	245911	Sep. 23, 1992
POPLAR 50	131406	245912	Sep. 23, 1992
POPLAR 51	131407	245913	Sep. 23, 1992
POPLAR 52	131408	245914	Sep. 23, 1992
POPLAR 53	131409	245915	Sep. 23, 1992
POPLAR 54	131410	245916	Sep. 23, 1992
POPLAR 55	131411	245917	Sep. 23, 1992
POPLAR 56	131412	245918	Sep. 23, 1992
POPLAR 57	131413	245919	Sep. 23, 1992
POPLAR 58	131414	245920	Sep. 23, 1992
POPLAR 59	131415	245921	Sep. 23, 1992
POPLAR 60	131416	245922	Sep. 23, 1992
POPLAR 61	131417	245923	Sep. 23, 1992
POPLAR 62	131418	245924	Sep. 23, 1992
POPLAR 63	131419	245925	Sep. 23, 1992
POPLAR 64	131420	245926	Sep. 23, 1992
POPLAR 65	131421	245927	Sep. 23, 1992
POPLAR 66	131422	245928	Sep. 23, 1992
POPLAR 67	131423	245929	Sep. 23, 1992
POPLAR 68	131424	245930	Sep. 23, 1992
POPLAR 69	131425	245931	Sep. 23, 1992
POPLAR 70	131426	245932	Sep. 23, 1992
POPLAR 71	131427	245933	Sep. 23, 1992
POPLAR 72	131428	245934	Sep. 23, 1992
POPLAR 73	131429	245935	Sep. 23, 1992
POPLAR 74	131430	245936	Sep. 23, 1992
POPLAR 75	131431	245937	Sep. 23, 1992
POPLAR 76	131432	245938	Sep. 23, 1992
POPLAR 77	131433	245939	Sep. 23, 1992
POPLAR 78	131434	245940	Sep. 23, 1992
POPLAR 79	131435	245941	Sep. 23, 1992
POPLAR 80	131436	245942	Sep. 23, 1992
POPLAR 81	131437	245943	Sep. 23, 1992
POPLAR 82	131438	245944	SEP. 23, 1992
POPLAR 83	131439	245945	Sep. 23, 1992
POPLAR 84	132231	245957	Sep. 30, 1992
POPLAR 85	132232	245958	Sep. 30, 1992
POPLAR 86	132233	245959	Sep. 30, 1992
POPLAR 87	132234	245960	Sep. 30, 1992
POPLAR 88	132235	245961	Sep. 30, 1992
POPLAR 89	132236	245962	Sep. 30, 1992

CLAIM NAME	RECORD NUMBER	MINERAL TENURE NUMBER	EXPIRY DATE
POPLAR 90	132237	245963	Sep. 30, 1992
POPLAR 91	132238	245964	Sep. 30, 1992
POPLAR 92	132239	245965	Sep. 30, 1992
POPLAR 93	132240	245966	Sep. 30, 1992
POPLAR 94	132241	245967	Sep. 30, 1992
POPLAR 95	132242	245968	Sep. 30, 1992
POPLAR 96	132243	245969	Sep. 30, 1992
POPLAR 97	132244	245970	Sep. 30, 1992
TAG #1 FR	133101	246087	Nov. 27, 1992
TAG #2 FR	133102	246088	Nov. 27, 1992
TAG 1	133184	246095	Nov. 04, 1992
TAG 2	133185	246096	Nov. 04, 1992
TAG 3	133186	246097	Nov. 04, 1992
TAG 4	133187	246098	Nov. 04, 1992
TAG 5	133188	246099	Nov. 04, 1992
TAG 6	133189	246100	Nov. 04, 1992
TAG 7	133190	246101	Nov. 04, 1992
TAG 8	133191	246102	Nov. 04, 1992
TAG 9	133192	246103	Nov. 04, 1992
TAG 10	133193	246104	Nov. 04, 1992
TAG 11	133194	246105	Nov. 04, 1992
TAG 12	133195	246106	Nov. 04, 1992
TAG 13	133196	246107	Nov. 04, 1992
TAG 14	133197	246108	Nov. 04, 1992
TAG 15	133198	246109	Nov. 04, 1992
TAG 16	133199	246110	Nov. 04, 1992
TAG 23	133206	246111	Nov, 04, 1992
TAG 24	133207	246112	Nov. 04, 1992
TAG 25	133208	246113	Nov. 04, 1992
TAG 26	133209	246114	Nov. 04, 1992
TAG 27	133210	246115	Nov. 04, 1992
TAG 28	133211	246116	Nov. 04, 1992
TAG 29	133212	246117	Nov. 04, 1992
TAG 30	133213	246118	Nov. 04, 1992
TAG 31	133214	246119	Nov. 4, 1992
TAG 32	133215	246120	Nov. 04, 1992
TAG 33	133216	246121	Nov. 04, 1992
TAG 34	133217	246122	Nov. 04, 1992
TAG 35	133218	246123	Nov. 04, 1992
TAG 36	133219	246124	Nov. 04, 1992
TAG 37	133220	246125	Nov. 04, 1992
TAG 38	133221	246126	Nov. 04, 1992
TAG 39	133222	246127	Nov. 04, 1992
TAG 40	133223	246128	Nov. 04, 1992
TAG 41	133224	246129	Nov. 04, 1992

CLAIM NAME	RECORD NUMBER	MINERAL TENURE NUMBER	EXPIRY DATE
TAG 42	133225	246138	Nov. 04, 1992
TAG 195	133368	246131	Nov. 04, 1992
TAG 196	133369	246132	Nov. 04, 1992
TAG 197	133370	246133	Nov. 04, 1992
TAG 198	133371	246134	Nov. 04, 1992
TAG 199	133372	246135	Nov. 04, 1992
TAG 200	133373	246136	Nov. 04, 1992
TAG 201	133374	246137	Nov. 04, 1992
TAG 202	133375	246138	Nov. 04, 1992
TAG 203	133376	246139	Nov. 04, 1992
TAG 204	133377	246140	Nov. 04, 1992
TAG 205	133378	246141	Nov. 04, 1992
TAG 206	133379	246142	Nov. 04, 1992
TAG 207	133380	246143	Nov. 04, 1992
TAG 208	133381	246144	Nov. 04, 1992
TAG 209	133382	246145	Nov. 04, 1992
TAG 210	133383	246146	Nov. 04, 1992
TAG 211	133384	246147	Nov. 04, 1992
TAG 212	133385	246148	Nov. 04, 1992
WAR 1	302	300580	May 27, 1992

CLAIM NAME	MODIFIED GRID CLAIMS		EXPIRY DATE
	NUMBER OF UNITS	MINERAL TENURE NUMBER	
EAST 1	20	304703	Sep. 23, 1993
EAST 2	8	304704	Sep. 26, 1993

The Recorded owners of the claims are Mr. Michael Callaghan, Mr. Frank Onucki and Mr. Clyde Critchlow. The claims were optioned by Metamin Enterprises Inc. who transferred their option agreement to New Canamin Resources Ltd.

LOCATION AND ACCESS

The Poplar property is located in west central British Columbia, 170 miles (260 Kms) west of Prince George and 75 road kilometers south of Houston, B.C. The property is centred at Latitude 54° 1' North and Longitude 126° 58' West and is contained within N.T.S map sheets 93E/15W, 93L/02W and 93L/03E. The claims lie on the north side of Tagetochlain Lake, Poplar Lake, within the Interior Plateau region.

The property is accessed by logging haul roads from Highway 16 at Houston, B.C., by following the Morice River Forest District Road to the Morice-Owen Forest Service Road turn-off, and the Morice-Tahtsa F.S.R. to the east end of Poplar Lake. The Poplar Main haul road can be followed to the north east part of the claim block, while the trail to the Forest Service camp ground at the north east end of Poplar Lake leads to the access trail to the old drill camp on the property.

Early access to the claims was by boat along the lake to the main camp site at Canyon Creek, an access trail was put in for the earlier drill programs running from the Forest Service camp site for about six kilometers along the northern shore of Poplar Lake to the old camp site and core storage area.

PHYSIOGRAPHY

The Poplar property is underlain by an overburden covered glacial bench or plateau on the north shore of Tagetochlain Lake, or Poplar Lake as it is more commonly known. The lake lies at an elevation of 2,750 feet or 825 meters above sea level, and the north shore slopes up to the high ground of Poplar Mountain at 6,000 feet or 1,800 meters within several kilometers.

The few creeks crossing the property are deeply incised in the bench slopes above the lake and follow irregular courses from the higher ground. It appears that the creek beds have been controlled by late stage fault structures. The creeks are seasonal with limited flow during the summer months after the spring run off.

The vegetation is typical of the Interior Plateau with thick stands of conifers such as spruce, hemlock, fir and lodge pole pine and many areas of open meadow. The meadows are covered with grasses and have a thick development of black, chernozem type soils which appear to inhibit the growth of coniferous trees. There are open stands of deciduous trees such as aspen adjacent to the meadows on the benches, while cottonwoods occur along the creek banks. The Crown Land has been let as Grazing Leases, and several ranchers run herds of cross bred Charrolais cattle on the property during the summer months.

HISTORY AND PREVIOUS WORK

The Poplar property was originally staked by F. Callaghan, F. Onucki and C. Critchlow for El Paso Mining and Milling Company in 1971. Programs of geochemical soil sampling, geological mapping and bulldozer trenching were carried out in 1971 and 1972. Results of the programs were disappointing and the property was subsequently acquired by the original stakers.

The Poplar property was optioned by Utah Mines Ltd. in 1974. Development work carried out by Utah Mines Ltd. to 1977 included geological and topographic mapping, grid establishment by line-cutting, soil geochemical surveys, geophysical surveys including ground magnetometer surveys and induced polarization surveys, and diamond drilling of forty drill holes for a total of 27,170 feet or 8,281 meters. In 1978 the property was the subject of a Master's thesis by P.M. Mesard at the University of British Columbia, and was examined by Dr. N.C. Carter of the B.C. Dept. of Mines who obtained samples of the porphyry copper host rocks for Potassium/Argon age dating.

Utah Mines Ltd. continued work on the property in 1980, extending the diamond drilling program until by 1982 they had completed a total of 58,730 feet or 17,900 meters in 73 drill holes, and had spent \$2,500,00.00. Utah Mines Ltd. published an estimated "global" reserve of 285 million tons (260 million tonnes) of 0.37% copper "equivalent" at a 0.25% copper "equivalent" cut-off.

In April 1982, Utah Mines Ltd. filed ten years of assessment work on the claims and returned the property to the original vendors. In 1991 the property was optioned from the owners by Metamin Enterprises Inc. who later transferred the option agreement to New Canamin Resources Ltd.

GEOLOGY

Regional Geology

The Poplar porphyry deposit lies within the Intermontane Belt east of the Coast Crystalline Belt and south of the Skeena Arch. The Intermontane Belt is underlain principally by Mesozoic volcanic and sedimentary rocks. The Skeena Arch was a prominent transverse structure during early Mesozoic time and marks the boundary between the Bowser successor basin to the north and an area to the southeast covered by Early to Late Tertiary volcanic rocks.

The Skeena Arch was a positive feature only during Jurassic time and provided one of the controls for the emplacement of Upper Triassic and Lower Jurassic plutons, such as the Topley Intrusions. Age dating of the Poplar porphyry by Carter (1981) indicates an age correlative with the Bulkley Intrusions of Cretaceous age. These intrusive rocks are associated with

disseminated copper-molybdenum mineralization at the Huckleberry and Ox Lake porphyry deposits to the south.

Local Geology

The Poplar copper-molybdenum deposit is centered on a differentiated calc-alkaline stock of Late Cretaceous age intruded into volcanic and sedimentary rocks of the Hazelton Group of Jurassic age.

The Hazelton Group rocks are exposed on the eastern and western parts of the claim block, two units were differentiated by the earlier workers. The lower unit is volcanic and made up of fine to medium grained feldspar porphyry tuffs and agglomerates with massive andesites and gabbroic rocks, interbedded with a few narrow argillite beds. The upper unit is mainly sedimentary and consists of up to 400m of a basal gritty argillite overlain by medium to coarse grained polymictic sandstones and conglomerates.

There appear to be several stocks of differing composition outcropping within the claim block, all of the earlier drilling was carried out in the Canyon Creek area where the Poplar stock is a feldspar biotite porphyry monzonite intruded into cherty argillites and sandstones.

The Poplar stock is zoned, with a central biotite monzonite porphyry grading into a hornblende monzonite border phase. The stock is cut by several types of northwest trending post-mineral dykes. Carter (1979) obtained two potassium/argon age dates on biotite from a "biotite monzonite porphyry" associated with the Poplar porphyry copper deposit which indicated an age of 71.9 +/- 2.5 and 75.1 +/- 2.3 million years. This age places the intrusions in Late Cretaceous time which correlates with the Bulkley Intrusions.

The stock exposed in the China Creek area grades into a diorite or monzodiorite porphyry. This stock would seem to be higher in the intrusive system as judged by the alteration assemblage associated with mineralization.

Several varieties of intrusive dyke rocks are associated with the Poplar porphyry, the commonest is a quartz eye rhyolite porphyry with characteristic rounded quartz augen up to 6mm across in a white to tan aphanitic groundmass. A pink to maroon coloured porphyritic rhyodacite with plagioclase phenocrysts and sporadic quartz augen to 5mm across was observed in the China Creek area, as dykes in the main stock of diorite porphyry.

1991 DIAMOND DRILL PROGRAM

New Canamin Resources Ltd. carried out a 4,267 ft. (1,300m) diamond drill program on the Poplar property in the period from September 24, 1991 to October 10, 1991, utilising J.T. Thomas Diamond Drilling Ltd. of Smithers, B.C. as drill contractor.

The diamond drill used was a JT Acker unitized hydraulic drill, a Komatsu 65A bulldozer was supplied for drill site clearing and drill moves. Drill tools used were NQ wireline, although two holes were drilled using HQ wireline tools in order to provide larger core samples.

The drill core was sampled in three meter intervals for the NQ core, the HQ core had to be sampled in two meter increments because of the volume and weight of the core. The whole drill core was sampled after it had been logged and photographed.

The core was photographed using 35mm Ektachrome film to provide a record of the core in the form of colour slides, since the whole core was taken as sample. Three boxes of core were photographed at a time, with the appropriate drill hole number and footage intervals marked on a plaque. Representative pieces or sub-samples of each sample increment were taken and are stored in core boxes for future reference as a "composited" sample.

The two or three meter increment samples of whole drill core were placed in two polyethylene sample bags of 4 mil thickness, along with numbered sample tags. The two bags were tied together with haywire and the last three digits of the sample number were written in marker pen on the outside of the bags. The samples were transported to the preparation laboratory of Minen Laboratories in Smithers, B.C., at intervals as truck loads were accumulated. It was found that two or three drill holes constituted a 3,000 to 3,500 pound load.

The samples were prepared for analysis at the Smithers Preparation Laboratory, the pulps were air freighted to Minen's main assay laboratory in Vancouver for Analysis. The procedures for crushing, splitting and carrying out the analyses are described in Appendix III.

The core samples were analysed for Copper, Molybdenum, Silver and Gold using the procedures described in Appendix III, the assay results are shown on the Drill Logs included as Appendix I and copies of the Certificates of Analysis are included as Appendix II.

The drill program commenced on September 24th, 1991, in the China Creek area where three drill holes were completed, the locations are shown on Figure 3. The drill was moved to the Canyon Creek area and ten drill holes were completed by October 10th, 1991. The locations are shown on Figure 4.

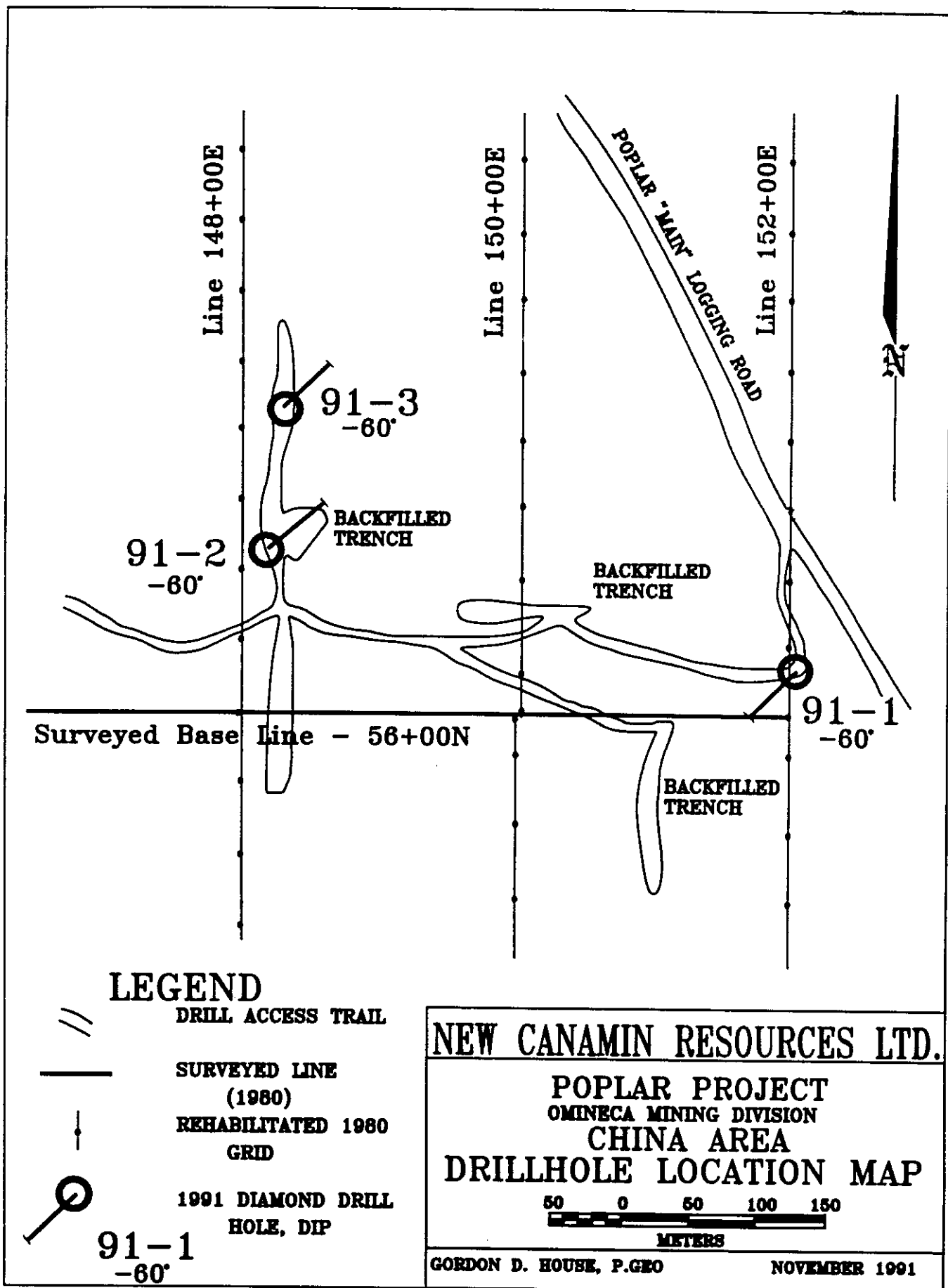


FIGURE 3

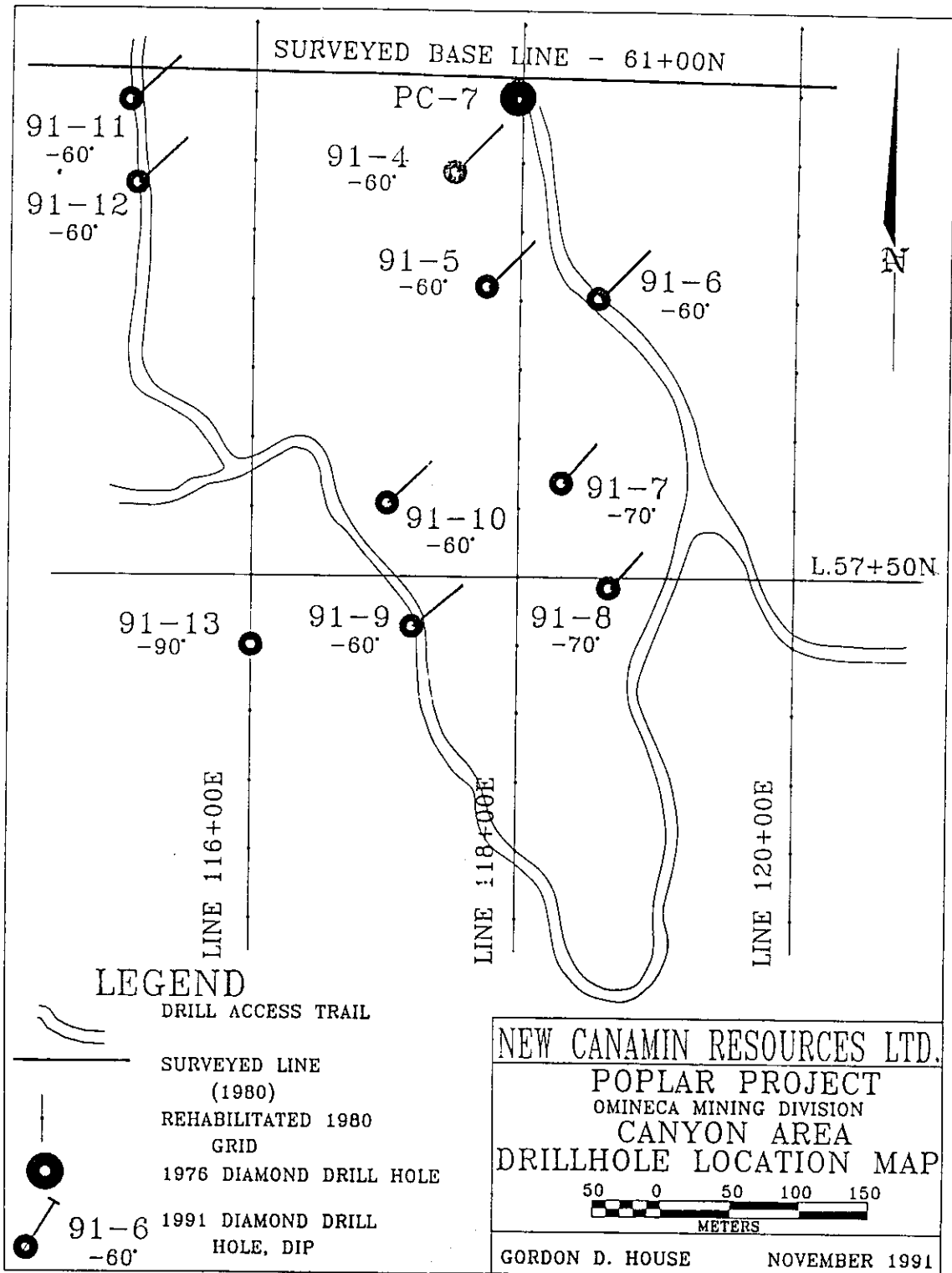


FIGURE 4

CONCLUSIONS AND RECOMMENDATIONS

The 1991 diamond drill program on the Poplar property consisted of 4,267 feet (1,300 meters) of drilling in thirteen drill holes. Three drill holes were drilled in the China Creek area and ten drill holes in the Canyon Creek area where earlier drill programs from 1974 to 1981 had outlined a porphyry copper - molybdenum deposit containing estimated reserves of 260 million tonnes of 0.37% copper equivalent, at a 0.25% copper equivalent cut off.

The drill program in the China Creek area successfully tested the large copper soil geochemical anomaly discovered during the earlier programs. The anomaly had been tested by several bulldozer trenches, interesting values were returned on samples taken in the trenches but no diamond drilling was carried out at the time.

The first drill hole of the 1991 program was in black hornfels from the collar to the final depth of 99.37m. It is now apparent that the drill hole was drilled in the wrong direction, from the upslope side of the soil geochemical anomaly. The next two holes drilled on the China Creek copper soil anomaly were successful in intersecting an altered feldspar porphyry monzodiorite or diorite, carrying values in copper and molybdenum. The intrusive was propylitically altered with epidote, chlorite, magnetite, and hematite.

The assay results on the samples taken of the drill core were not as high as had been expected from the logging and visual inspection of the drill core. It was believed that there was interference by excess Iron in the samples affecting Copper analyses. Check Analyses were run on selected samples from DDH 91 - 2, which were analysed by ICP Techniques, returning results within acceptable limits of the original values. It can only be assumed that the visual estimates were in error.

The diamond drill program on the Canyon Creek area was designed to both confirm the earlier results and to infill between the earlier drill holes and expand the dimensions of the higher grade core of the deposit. The initial drill holes on the east side of Canyon Creek were successful, confirming the earlier results and returning good values in copper which did expand the high grade core of the deposit.

The holes drilled on the south side of the high grade core, DDH's 91 - 7 and 91 - 8, were not as successful. The drill holes did confirm the earlier drill results and indicated the extent of the Canyon Creek fault zone.

The first drill holes on the western side of Canyon Creek were designed to test the southern side of the core of the deposit, as well as test the copper geochemical soil anomaly

discovered by El Paso Mining and Milling Company in 1972. The two holes, DDH's 91 - 9 and 91 - 10, did intercept the feldspar biotite porphyry and confirmed the earlier drill results without increasing the overall grade or extent of the deposit.

The next two drill holes, DDH's 91 - 11 and 91 - 12 were located on the north side of the high grade core of the deposit and were designed to both confirm the earlier results as well as extend the higher grade area. The drill holes confirmed the earlier results without increasing the dimensions of the higher grade zones. Both these drill holes contained hematite and magnetite as alteration accessories and it was believed that the high Iron content may have caused interference in the copper analysis. It is suggested that selected samples from these drill holes should be check assayed with allowance made in the analysis procedures for the high Iron content.

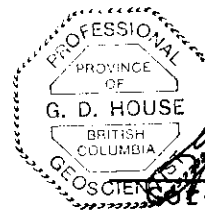
The last drill hole, DDH 91 - 13, was designed to test the 1972 copper soil geochemical anomaly west of Canyon Creek. The hole was successful showing that a feldspar porphyry intrusive exists at depth under the hornfelsed metasediments, and carries anomalous values in copper.

The 1991 Diamond Drill program has shown the potential to increase the tonnage in the high grade core of the Poplar porphyry deposit by judicious infill diamond drilling. We would recommend a re-evaluation of the reserves for the deposit, incorporating the latest results to outline areas adjacent to the core where infill drilling would provide the information to aid in increasing the dimensions of the core of high grade mineralization.

The China Creek area had not been previously drilled, the results from DDH's 91 - 2 and 91 - 3 were encouraging and indicate the potential for economic mineralization associated with the feldspar porphyry monzodiorite. We would recommend that consideration be given to carrying out an Induced Polarization survey over the China Creek area in order to outline the alteration zones within the porphyry intrusive perhaps causative of the copper soil geochemical anomaly. This would indicate targets for diamond drilling to evaluate the mineralization.

STATEMENT OF COSTS INCURRED**1991 EXPENDITURES**

<u>Labour</u>	\$32,816.00
Geology, Engineering, and Supervision (September 7 to 14, 1991, September 21 to November 28, 1991.)	
Diamond Drilling - 1,300m/4,267 feet (1,100m BQ, 200m HQ)	\$99,863.42
<u>Consumables</u>	
Travel, Food, Accommodation (Sept. 7 to 14, Sept. 20 to Oct. 18, 1991)	\$9,659.28
Assaying, (380 samples, assayed for Cu, Mo, Ag, Au,)	\$14,648.01
Report preparation, drafting, secretarial, etc.	\$3,024.03
<u>Total Expenditures</u>	<u>\$160,010.74</u>

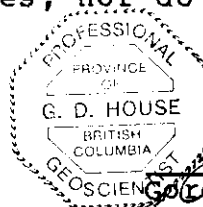


Gordon D. House
Gordon D. House, P. Geol.

CERTIFICATE OF QUALIFICATIONS

I, Gordon D. House, of North Vancouver, British Columbia,
DO HEREBY CERTIFY:

1. That I am a Consulting Geologist with an office at # 203- 4001 Mount Seymour Parkway, North Vancouver, B.C., V7G 1C2.
2. That I am a graduate of Trinity College, Dublin, in 1961 with a B.A. in Honors Natural Science - Geology. I received a M.S. degree in Geology from the University of Alaska, Fairbanks, in 1980.
3. That I am Registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
4. That I am a Member of the Institution of Mining and Metallurgy, London, and a Registered Chartered Engineer with the Council of Engineering Institutions, London. I am a Fellow of the Geological Society, London; a Member of the Society of Mining Engineers of the American Institute of Mining, Metallurgical and Petroleum Engineers; a Member of the Canadian Institute of Mining and Metallurgy; and a Fellow of the Geological Association of Canada.
4. That I have practised my profession as a Geologist since 1962 in Ireland and West Africa; since 1965 in British Columbia, Yukon, Northwest Territories, Saskatchewan, Manitoba, Nova Scotia, Alaska, Arizona, California, Nevada, Oregon, and Idaho. I have undertaken professional visits to Australia, Fiji, Germany, New Zealand, South Africa, and Turkey.
5. That the information, opinions, and recommendations in this Report are based on work carried out by me on the property from September 7th, 1991 to October 18th, 1991 in rehabilitating the cut-line grid and in supervision of the diamond drill program including logging of the drill core; on a review of previous reports on the property; and on a review of the literature on the area.
6. That I own no interest in any of the claims or properties to which this Report refers, nor in any of the mineral properties owned by New Canamin Resources Ltd.; nor any interest in the shares or securities of New Canamin Resources Ltd.; or any associated or affiliated companies, nor do I expect to receive any such interest.



Gordon D. House
Gordon D. House, P. Geo.

Dated at North Vancouver, B.C., this 25th day of January, 1992.

APPENDIX I

Diamond Drill Logs

Drill Hole #: 91 - 1 PROJECT: Poplar Page 1 of 1.
 Coordinates: 56+40 N 152+10 E Elevation: Date Commenced: 09/25/'91
 Core Size: NQ Date Completed: 09/28/'91
 Dip: -60° Azimuth: 225° Date logged: 10/16/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	4.57m	Overburden / Casing							
4.57m	30.0m	Hornfelsed metasediments, siliceous, dark green to black, fine grained, magnetic, much disseminated magnetite, chloritic, minor bleached zones, qtz-carb veins, associated pyrite - 17m-21m, dyke-qtz augen minor cpy from 23.7m-23.85m	17m-20m		40001	.008	.002	.11	.001
			22m-24m		40002	.076	.002	.12	.001
30m	50m	similar black-green hornfels, py veins from 31.7m, minor epidote	37m-40m		40003	.050	.002	.11	.001
50m	70m	broken ground, v. pyritic, epidote xals & blebs associated py, disseminated py to 64m, & decreased py 64m-70m,	43m-46m		40004	.028	.001	.11	.001
			46m-49m		40005	.010	.001	.09	.001
			49m-52m		40006	.025	.001	.12	.001
			52m-55m		40007	.009	.001	.08	.001
70m	90m	similar green-black hornfels, minor py, increased py & epidote-58m - 60m	58m-61m		40008	.007	.001	.08	.001
90m	99.36m	similar black hornfels, minor qtz-carb veins, minor to no py noted, v. siliceous							
		End of Hole 99.37m							

Drill Hole #: 91 - 2 PROJECT: Poplar Page 1 of 2.
 Coordinates: 57+20 N 148+20 E Elevation: Date Commenced: 09/28/'91
 Core Size: NQ Date Completed: 09/29/'91
 Dip: -60° Azimuth: 045° Date logged: 10/01/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	3.05m	Overburden / Casing							
3.05m	12m	Biotite monzonite porphyry, grey-green with pinkish aphanitic groundmass, sericitic, epidote, disseminated py, cpy, magnetite, hematite, MoS ₂ on fractures, bleached,	3.05m	6m	40020	.031	.007	.05	.001
			6m	9m	40021	.046	.002	.05	.001
			9m	12m	40022	.027	.007	.03	.001
			12m	15m	40023	.030	.001	.06	.001
12m	14.5m	pink coarse grained dyke, rhyolite, quartz, augen, QFP, chlorite, alt. biotite, quartz veined	15m	18m	40024	.034	.007	.03	.001
			18m	21m	40025	.047	.003	.05	.001
14.5m		kaolin gouge	21m	24m	40026	.046	.001	.04	.001
14.6m	22.8m	biotite feldspar porphyry, banded in part, K-spar alt. in part, epidote, chloritized biotite, 2Y biotite, chlorite - K-spar selvage to minor quartz veins, minor py, cpy, MoS ₂	24m	27m	40027	.037	.001	.04	.001
22.8m	27.9m		27m	30m	40028	.028	.005	.03	.001
27.9m	30m	grey phanitic BFP with chlorite, biotite & 2Y biotite, epidote, sericitic zones with py-magnetite contact @ 60° to c.a.							
30m	38.6m	porphyritic pink dyke, clay alt., disseminated py-cpy-minor MoS ₂ , K-spar increasing, also epidote, chlorite.	30m	33m	40029	.016	.004	.02	.001
			33m	36m	40030	.024	.003	.02	.001
			36m	39m	40031	.027	.002	.02	.001
38.6m	40m	black, fine grained aphanitic dyke, contacts @ 60° to c.a., carbonate, minor py	39m	42m	40032	.014	.002	.02	.001
40m	52.1m	silicified pink porphyry, quartz augen, chlorite & epidote, xalinite, QFP, decreased cpy, py	42m	45m	40033	.007	.002	.02	.001

Footage		DESCRIPTION			Sample Number	Cu %	ASSAYS		
From	To		From	To			Mo %	Ag Tr.oz/t	Au Tr.oz/t
52.1m	58m	grey feldspar biotite porphyry, aphanitic	45m	48m	40034	.019	.001	.01	.001
		groundmass, increased epidote, increased	48m	51m	40035	.012	.001	.02	.001
		py, cpy & MoS ₂ , magnetite dissem., to darker	51m	54m	40036	.008	.002	.02	.001
		grey diorite feldspar porphyry	54m	57m	40037	.049	.005	.04	.001
58.5m	62m	bleached qtz augen porphyry dyke,	57m	60m	40038	.030	.002	.02	.001
		sericitized biot., 2Y biot., decreased	60m	63m	40039	.005	.001	.02	.001
		py, cpy	63m	66m	40040	.003	.001	.02	.001
62m	69m	dark brown grey feldspar biot. porphyry, diorite, chl'ed 1Y biot., phan'itic, xalline, increased qtz stringers, py, cpy, MoS ₂ , magn.	66m	69m	40041	.083	.007	.06	.001
69m	69.5m	dyke pink QFP, qtz vein @ 50° to c.a., MoS ₂ on fract, s,	69m	72m	40042	.078	.009	.02	.001
69.5m	78.7m	coarse gr, phan'itic xalline feldspar	72m	75m	40043	.075	.010	.03	.001
		porphyry, chl'ed 1Y biot, 2Y biot & minor Kspar, dissem py, cpy, MoS ₂ , magnetite, epidote from 75m, carbonate, qtz veins	75m	78m	40044	.072	.009	.03	.001
78.7m	79.9m	black aphanitic dyke, feldsp./h'blende phyric, contacts @ 40° to c.a.	78m	81m	40045	.077	.009	.05	.001
79.9m	90m	grey feldspar biot. porphyry diorite,	81m	84m	40046	.084	.009	.04	.001
		increasing epidote, 2Y biot., & qtz veinlets/ stringers with MoS ₂ , dissem py, cpy magn.,	84m	87m	40047	.068	.003	.03	.001
		bleached in part, sericite,	87m	90m	40048	.056	.002	.04	.001
90m	100.3m	grey, xalline, coarse grained feldspar	90m	93m	40049	.104	.008	.04	.001
		biot. porphyry diorite, alteration mainly	93m	96m	40050	.059	.003	.04	.001
		epidote with 2Y biot. & minor Kspar, magn. common, qtz veins/fracts with MoS ₂ & cpy, py	96m	100m	40051	.083	.007	.04	.001

END OF HOLE 100.27m

Drill Hole #: 91 - 3
 Coordinates: 58+20 N 148+30 E
 Core Size: NQ
 Dip: -60° Azimuth: 045°

PROJECT: Poplar

Page 1 of 2.

Elevation:
 Date Commenced: 09/29/'91
 Date Completed: 09/30/'91
 Date logged: 10/01-02/'91

Logged by: GDH Sampled by: AA

Footage		DESCRIPTION			Sample Number	ASSAYS			
From	To		From	To		Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	3.05m	Overburden/Casing							
3.05m	3.7m	black f.g. aphanitic dyke, magnetic, chilled margin to 5mm, lower contact @ 30° to c.a.,	3.05m	6m	40052	.032	.002	.02	.001
3.7m	6.1m	dark grey xalline phaneric, coarse grained feldspar porphyry diorite, much epidote, 2Y biot., magnetite, py, cpy, MoS ₂ ,	6m	9m	40053	.018	.002	.04	.001
6.1m	7.8m	black aphanitic f.g. dyke, as above							
7.8m	19.3m	dark grey phaneric xalline feldspar porphyry diorite, much epidote, 2Y biot, chl'ed 1Y biots, py & cpy increase from 8m,	9m	12m	40054	.067	.002	.02	.001
			12m	15m	40055	.034	.004	.02	.001
			15m	18m	40056	.114	.012	.08	.001
			18m	21m	40057	.073	.002	.03	.001
19.3m	35.3m	similar diorite porphyry, var. alt'ed, bleached - epidote, 2Y biot, magnetite, py, cpy, +MoS ₂ , qtz-py-cpy veinlets, minor clay altn, zones Kspar altn assoc'ed qtz veins, bleached zones w/ less py, cpy	21m	24m	40058	.092	.004	.04	.001
			24m	27m	40059	.102	.004	.05	.001
			27m	30m	40060	.120	.007	.18	.001
			30m	33m	40061	.175	.007	.22	.001
			33m	36m	40062	.041	.008	.03	.001
35.3m	40m	similar, bleached zones-sericitized to 36.8m assoc'ed qtz-carb. veins with py,	36m	39m	40063	.038	.005	.03	.001
			39m	42m	40064	.026	.003	.03	.001
40m	41.8m	series 6 black aphanitic dykes, magnetic, py, chilled margins,							

Footage			ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
41.8m	57.1m	feldspar biot. porphyry diorite, grey, 2Y biot, epidote, py-cpy-MoS ₂ , magnetite, sericite assoc'ed qtz-carb stringers, kaoloin'zed fract from 56m, cpy, MoS ₂ ,	42m	45m	40065	.026	.004	.01	.001
			45m	48m	40066	.033	.006	.04	.001
			48m	51m	40067	.037	.004	.02	.001
			51m	54m	40068	.038	.003	.03	.001
			54m	57m	40069	.023	.002	.03	.001
57.1m	57.4m	dyke black, aphanitic, magnetic	57m	60m	40070	.022	.002	.03	.001
57.4m	61.4m	grey feldspar biot. porphyry, increased epidote, 2Y biot., magn, py, cpy, MoS ₂ , healed fracts, minor Kspar altn,	60m	63m	40071	.042	.001	.02	.001
61.4m	62.8m	dyke, black aphanitic, Kspathized, sericite, py, minor cpy on contact							
62.8m	70m	diorite porphyry, epidote, 2Y biot, magn, py, cpy, MoS ₂ , kaolin'zation increases from 64m, with carbonate assoc'ed fracts,	63m	66m	40072	.036	.001	.02	.001
			66m	69m	40073	.032	.003	.02	.001
			69m	72m	40074	.032	.002	.03	.001
70m	84.3m	similar diorite porphyry, fracts with assoc'ed kaolin'zation, Kspar altn with PY, cpy	72m	75m	40075	.034	.004	.02	.001
			75m	78m	40076	.053	.005	.02	.001
			78m	81m	40077	.032	.007	.04	.001
			81m	84m	40078	.050	.008	.04	.001
84.3m	93.4m	similar diorite, qtz vein stockwork, py, cpy, MoS ₂ , minor epidote, 2Y biot, minor magnetite	84m	87m	40079	.082	.002	.04	.001
			87m	90m	40080	.050	.003	.06	.001
			90m	93m	40081	.047	.004	.04	.001
93.4m	98.75m	similar diorite, Kspar altn, 2Y biot, silicified, qtz veins, py, cpy, MoS ₂ ,	93m	96m	40082	.036	.004	.02	.001
			96m	98.7m	40083	.037	.002	.03	.001

END OF HOLE 98.75m

Drill Hole #: 91 - 4 PROJECT: Poplar Page 1 of 2.
 Coordinates: 60+50 N 117+45 E Elevation: 900m Date Commenced: 09/30/'91
 Core Size: NQ Date Completed: 10/01/'91
 Dip: -60° Azimuth: 045° Date logged: 10/03/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	Sample		ASSAYS				
From	To		From	To	Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	22.8m	Overburden/Casing							
22.8m	29m	med. dark grey feldspar biotite porphyry, plag. to 3-5mm, biot. to 1-3mm, aphanitic groundmass-dark colour due biot., qtz. stringer stockwork, much py, cpy, MoS ₂ , dissem & stringers, kaolin altn & sericite	22.8m	26m	40084	.204	.003	.13	.002
			26m	29m	40085	.219	.004	.11	.002
			29m	32m	40086	.424	.004	.11	.003
29m	40m	biotite feldspar porphyry, v. broken ground, feldspars alt kaolin'zation, qtz stringer stockwork, vuggy qtz veins, carb, py, cpy, MoS ₂ , assoc'ed vuggy qtz veins,	32m	35m	40087	.402	.004	.20	.003
			35m	38m	40088	.661	.006	.13	.004
			38m	41m	40089	.468	.003	.11	.004
40m	53.6m	dark grey feldspar biotite porphyry, kaolin, seric, silic'ed in part, dissem py, cpy, MoS ₂ , qtz-carb veins, qtz stockwork, qtz healed bx,	41m	44m	40090	.318	.003	.11	.003
			44m	47m	40091	.362	.006	.12	.003
			47m	50m	40092	.361	.006	.21	.004
			50m	53m	40093	.470	.008	.19	.003
53.6m	54.25m	LOST CORE MISLATCH							
54.25m	59.5m	dark biotite feldspar porphyry, broken, qtz & sulfide vein stockwork, py, cpy, MoS ₂ ,	53m	56m	40094	.586	.007	1.80	.005
			56m	59m	40095	.642	.007	.50	.005
59.5m	69.8m	bleached altn BFP, qtz stockwork, broken ground, veinlet & dissem py, cpy, MoS ₂ , seric assoc'ed vuggy qtz carb veins, 2Y biot,	59m	62m	40096	.561	.013	.14	.005
			62m	65m	40097	.363	.012	.16	.003
			65m	68m	40098	.413	.010	.25	.003
69.8m	82.2m	silica-seric altn, sugary text, bleached, vuggy qtz-carb veins, stockwork qtz veins, much py, cpy, MoS ₂ , f.g. 2Y biot., broken grnd.	68m	71m	40099	.336	.007	.11	.003
			71m	74m	40100	.373	.010	.21	.003
			74m	77m	40101	.356	.009	.12	.002

Footage		DESCRIPTION	ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
82.2m	99.8m	dark biotite feldspar porphyry,qtz vein	77m	80m	40102	.375	.009	.11	.002
		stockwork,dissem py,cpy,MoS ₂ ,broken grnd,	80m	83m	40103	.370	.020	.12	.003
		silicified,sericite,healed shear & bx	83m	86m	40104	.424	.020	.18	.003
		zones,bleached,qtz veins,2Y biot in part,	86m	89m	40105	.320	.010	.15	.003
		healed bx 92.8m-93.7m rounded frags,minor	89m	92m	40106	.444	.006	.13	.004
		epidote,silica flooded qtz stockwork,	92m	95m	40107	.265	.009	.30	.003
		sugary qtz veins,much py,cpy,MoS ₂ ,	95m	98m	40108	.420	.013	.14	.005
			98m	99.8m	40109	.483	.013	.16	.003

END OF HOLE 99.8m

Drill Hole #: 91 - 5
 Coordinates: 59+60 N 117+65 E
 Core Size: HQ
 Dip: -60° Azimuth: 045°

PROJECT: Poplar
 Elevation: 903m
 Date logged: 10/04/'91

Date Commenced: 10/01/'91
 Date Completed: 10/03/'91

Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	27.43m	Overburden/Casing							
27.43m	30.0m	dark grey feldspar biotite porphyry, Kspar altn plag phenoxsts to 5mm, chl-sericite altn of biot, dissem py, minor cpy, carbonate	28.5m	31m	40110	.006	.001	.13	.001
			31m	34m	40111	.006	.001	.13	.001
			34m	36m	40112	.014	.001	.14	.001
30m	41m	similar dark grey feldspar biotite porphyry, minor kaolin'zation of feldspars, silicified, dissem py, Kspar altn of feldsp's increases to 35m, 2Y biot increases to xals 5mm across to 37m,	36m	38m	40113	.008	.001	.13	.001
			38m	40m	40114	.008	.001	.10	.001
			40m	42m	40115	.136	.001	.11	.001
41m	41.4m	contact zone, gouge, to healed bx shear zone, silicified, sericitized & part kaolin'zed, dissem py, cpy							
41.4m	48.2m	pale grey brown, silicified, healed shear, bx with several intrusive facies in frags, 1Y & 2Y qtz vein stockwork with py, cpy, MoS ₂ , hematite, vuggy qtz veins with cpy from 47.5m,	42m	44m	40116	.404	.003	.19	.001
			44m	46m	40117	.414	.004	.43	.002
			46m	48m	40118	.419	.004	.15	.001
			48m	50m	40119	.332	.007	.12	.002
48.2m	62m	dark brown, silicified, sugary texture, biot. rich feldspar porphyry, fine grained, 2Y biot, qtz veinlets stockwork, vuggy qtz veins, much dissem cpy, MoS ₂ , py, very broken ground	50m	52m	40120	.353	.004	.12	.003
			52m	54m	40121	.452	.003	.11	.002
			54m	56m	40122	.557	.006	.12	.003
			56m	58m	40123	.436	.009	.11	.004
			58m	60m	40124	.377	.005	.11	.003
62m	64m	solid core, similar dark brown silicified feldspar porphyry, 2Y biot, qtz-sulphide veinlet stockwork cuts larger qtz-carb veins, py-cpy veinlets cut all, much dissem cpy, py, MoS ₂	60m	62m	40125	.505	.006	.12	.004
			62m	64m	40126	.407	.007	.14	.003

Footage			Sample		ASSAYS				
From	To		From	To	Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
64m	66m	similar but broken ground,							
66m	75.5m	bleached & altered dark biot. feldspar porphyry, sericitic, silicified, 2Y biot, sugary text, qtz veinlet stockwork, with cpy, py, MoS ₂ , bleached altn selvage assoc'ed qtz-carb veins @ 200 to c.a. with MoS ₂ , healed shear from 71m to 74m @ 15° to c.a.	64m	66m	40127	.582	.008	.13	.004
			66m	68m	40128	.482	.010	.24	.003
			68m	70m	40129	.354	.008	.67	.003
			70m	72m	40130	.471	.008	.24	.003
			72m	74m	40131	.401	.008	.15	.003
			74m	76m	40132	.353	.007	.18	.002
75.5m	80.5m	dark brown feldspar porphyry, silicified, sugary texture, 2Y biot, qtz-carb veins cut by qtz veinlet stockwork, cpy, MoS ₂ ,	76m	78m	40133	.363	.008	.16	.003
			78m	80m	40134	.258	.006	.13	.001
			80m	82m	40135	.276	.010	.14	.002
80.5m	82m	bleached, sericitic altn assoc'ed qtz-carb veins @ 40° to c.a. from 81.2m to 81.5m, vuggy, cpy-MoS ₂ ,	82m	84m	40136	.467	.009	.15	.003
			84m	86m	40137	.398	.008	.17	.002
82m	84.5m	dark brown porphyry, 2Y biot, vuggy qtz-carb veins @ 30° to c.a. with bleached selvages & cpy, MoS ₂ , py,							
84.5m	90m	similar dark feldspar porphyry, bleached zones assoc'ed qtz-carb veins, gouge @ 84.9m, 2Y biot common, qtz stockwork with cpy, MoS ₂ , py	86m	88m	40138	.391	.006	.15	.004
			88m	90m	40139	.448	.008	.15	.005
90m	91.4m	kaolinized zone, feldspars prominent & part altered, clay gouge @ 90.7m, qtz veins with cpy, MoS ₂ , carbonate on partings,	90m	92m	40140	.487	.013	.15	.004
91.4m	94.3m	darker feldspar porphyry, 2Y biot as "book" to 3mm, qtz stockwork with py, cpy, MoS ₂ , qtz-carb veins,	92m	94m	40141	.365	.006	.13	.003
			94m	96m	40142	.566	.011	.18	.004

Footage		DESCRIPTION			Sample Number	Cu %	Mo %	ASSAYS	
From	To		From	To				Ag Tr.oz/t	Au Tr.oz/t
94.3m	95.8m	bleached zone,sericitic, some kaolin'zation, assoc'ed qtz-carb veins @ 50° to c.a. with splashy cpy & MoS ₂ ,							
95.8m	99.9m	dark feldspar biotite porphyry,2Y biot,qtz stockwork,dissem py,cpy,qtz veins with carbonate & cpy,py,	96m	98m	40143	.330	.009	.15	.003
			98m	99.9m	40144	.287	.007	.14	.002

END OF HOLE 99.9m

Drill Hole #: 91 - 6
 Coordinates: 59+60 N 118+50 E
 Core Size: NQ
 Dip: -60° Azimuth: 045°

PROJECT: Poplar
 Elevation: 915m
 Date logged: 10/04/'61

Date Commenced: 10/03/'91
 Date Completed: 10/04/'91

Logged by: GDH Sampled by: AA

Footage		DESCRIPTION			Sample Number	ASSAYS			
From	To		From	To		Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
Ø	26m	Overburden/Casing							
26m	35m	grey feldspar biotite porphyry, feldspar phenoxsts to 5mm, biot.xsts to 3mm, in grey aphanitic groundmass, 2Y biot, dissem py, cpy, silicified-sugary texture, fine black specks hematite? non-magnetic, <1mm,	26m	29m	40145	.140	.008	.06	.001
			29m	32m	40146	.113	.012	.07	.001
			32m	35m	40147	.200	.009	.07	.002
35m	38m	broken ground, increase in cpy, MoS ₂ , hematite, green tinge to feldspars-epidote?	35m	38m	40148	.227	.006	.03	.001
38m	40m	increased 2Y biot, "books" to 4mm, & cpy, MoS ₂ ,	38m	39.7m	40149	.153	.004	.03	.001
40m	42m	LOST CORE, MISLATCH							
42m	44.9m	dark grey feldspar biot porphyry, 2Y biot, broken ground, kaolin'zed feldspars in part minor disem py, cpy,	42m	45m	40150	.122	.004	.04	.001
44.9m	53m	similar FB porphyry, increased kaolin'zation of feldspars to gouge @ 52m to 53m, qtz stock-work from 49m, with MoS ₂ , minor Kspar, 2Y biot,	45m	48m	40151	.144	.003	.04	.001
			48m	51m	40152	.198	.004	.04	.001
			51m	54m	40153	.210	.019	.39	.002
53m	53.7m	qtz-sulphide vein @ 10° to c.a., xals py to 15mm, cpy, & purple tinged black mineral, ? chalcocite? hematite? fracture zone,							
53.7m	58.5m	broken ground, kaolin'zed, minor 2Y biot, dissem py, cpy & chalcocite/hematite?	54m	57m	40154	.236	.006	.07	.002
			57m	60m	40155	.100	.004	.08	.001
58.5m	63m	similar, silicified, sugary text, minor biot & Kspar, much py on fract with cpy, hem	60m	63m	40156	.113	.005	.08	.001

Footage		DESCRIPTION			Sample Number	Cu %	Mo %	ASSAYS	
From	To		From	To				Ag Tr.oz/t	Au Tr.oz/t
63m	67.5m	similar, siliceous, disseminated py, cpy & hem, increasing 2Y biot, bleached selvage on qtz-MoS ₂ vein @ 20° to c.a. @ 65.9m	63m	66m	40157	.110	.003	.10	.001
67.5m	72.4m	bleached, altered, FB porphyry, kaolinization of feldspars, sericitized 1Y biot, qtz-py veins @ low angles to c.a.	66m	69m	40158	.151	.003	.08	.001
			69m	72m	40159	.155	.004	.08	.001
72.4m	80m	similar, increased 2Y biot & py, cpy, altn of sericite & kaolin to 80m, fractures with MoS ₂ ,	72m	75m	40160	.109	.002	.08	.001
			75m	78m	40161	.115	.003	.07	.001
80m	84.8m	less 2Y biot, kaolinized feldspars, series narrow qtz-carb veins with py, cpy, MoS ₂ , gypsum/anhydrite veins	78m	81m	40162	.104	.005	.09	.002
			81m	84m	40163	.139	.005	.09	.001
84.8m	87.7m	darker, increased 2Y biot, py, cpy, siliceous,	84m	87m	40164	.115	.004	.06	.001
87.7m	99.9m	lighter colour due decreased 2Y biot & kaolin altn with qtz veinlet stockwork, gypsum/anhydrite veins, much disseminated py with variable cpy, MoS ₂ , qtz-carb veins, becomes crowded feldspar with kaolin altn,	87m	90m	40165	.119	.006	.07	.002
			90m	93m	40166	.125	.004	.07	.002
			93m	96m	40167	.123	.004	.08	.001
			96m	99.9m	40168	.109	.004	.08	.001

END OF HOLE 99.9m

Drill Hole #: 91 - 7 PROJECT: Poplar Page 1 of 2.
 Coordinates: 58+25 N 118+30 E Elevation: 900m Date Commenced: 10/04/'91
 Core Size: NQ Date Completed: 10/05/'91
 Dip: -70° Azimuth: 045° Date logged: 10/07-08/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	Sample		ASSAYS				
From	To		From	To	Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	33.5m	Overburden/Casing							
33.5m	34.7m	bedrock, broken ground, 50% recovery							
34.7m	47.2m	medium grey-brown silicified hornfels, fine grained banded metasediment, with occasional dyke of altered sericitic intrusive - protolith indeterminate, much qtz veinlet stockwork throughout, py as disseminations & on fract, minor cpy, MoS ₂ assoc'd fract & stockwork,	34.7m	38m	40169	.028	.002	.11	.001
			38m	41m	40170	.032	.001	.19	.001
			41m	44m	40171	.032	.002	.10	.001
			44m	47m	40172	.061	.001	.75	.001
47.2m	47.5m	vuggy qtz-anhydrite vein @ 100 to c.a. assoc'd kaolin'zed gouge, large xals py & "galena" - cuproplumbate? Cu ₂ S.PbS,							
47.5m	48.2m	altered intrusive, siliceous feldspar porphyry, minor py, anhydrite veins,	47m	50m	40173	.062	.001	2.58	.002
48.2m	56.5m	light grey-brown hornfelsed metaseds, bx'ed in part, qtz veinlet stockwork, increasing py, minor to no cpy but with dissem sooty black mineral to <1mm across, chalcocite? or hematite?	50m	53m	40174	.037	.001	.23	.001
			53m	56m	40175	.022	.003	.28	.001
56.5m	59.5m	light grey-brown altered intrusive, feldspar porphyry, broken ground so no contacts noted, silicified sugary texture, dissem py, black specks hematite,	56m	59m	40176	.028	.001	.18	.001
			59m	62m	40177	.054	.002	.31	.001
59.5m	64.2m	broken ground, silicified hornfelsed metaseds, pale brown, qtz veinlet stockwork, carb on fract, dissem hem,	62m	65m	40178	.026	.001	.58	.001

Footage		DESCRIPTION			Sample Number	ASSAYS			
From	To		From	To		Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
64.2m	78.4m	light brown fine grained hornfelsed metaseds,healed bx,qtz veinlet stockwork, qtz-carb & qtz-anhydrite veins,much py assoc'ed fract's,black specks hematite?	65m	68m	40179	.037	.001	.41	.001
			68m	71m	40180	.053	.001	.20	.001
			71m	74m	40181	.037	.001	.09	.001
			74m	77m	40182	.029	.001	.09	.001
72.8m	74.1	LOST CORE, MISLATCH							
78.4m	97.7m	similar light grey-brown hornfelsed metaseds,extensive qtz veinlet stockwork, py veins to 10mm,carbonate assoc'ed fract's, Kspar altn selvedge to qtz-py-cpy vein @ 90.2m,qtz veins & py increase to 97.7m,	77m	80m	40183	.036	.001	.08	.001
			80m	83m	40184	.033	.001	.11	.001
			83m	86m	40185	.024	.001	.13	.001
			86m	89m	40186	.028	.001	.12	.001
			89m	92m	40187	.038	.001	.11	.001
92m	95m	40188	.027	.001	.16	.001			
97.7m		contact to medium grained phaneric feldspar porphyry,appears as chilled margin-plagio- clase feldspars to 2-3mm,whereas @ 100m are 5mm across							
97.7m	101.8m	grey medium grained feldspar porphyry, silified,qtz-carb & qtz-sulphide veins,much dissem py,qtz veinlet stockwork from 98.5m,	85m	98m	40189	.019	.001	.14	.001
			98m	101.8m	40190	.024	.002	.11	.001

END OF HOLE 101.8m

Drill Hole #: 91 - 8 PROJECT: Poplar Page 1 of 3.
 Coordinates: 57+50 N 118+65 E Elevation: 890m Date Commenced: 10/05/'91
 Core Size: NQ Date Completed: 10/06/'91
 Dip: -70° Azimuth: 045° Date logged: 10/09/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION			Sample Number	ASSAYS			
From	To		From	To		Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	18.6m	Overburden/Casing							
18.6m	20m	broken ground, poor recovery, oxidised							
20m	28.8m	silicified,sericitized,light grey altered intrusive,protolith difficult to determine, appears was a feldspar porphyry now totally silicified & sericitized,much dissem py & fine grained black specks- <1mm,thought to be chalcocite but assay results v. low,must be hematite,are non-magnetic green colouration to core - not malachite as thought,minor cpy noted,	20m	23m	40191	.003	.001	.08	.001
			23m	26m	40192	.003	.001	.09	.001
			26m	29m	40193	.005	.001	.08	.001
28.8m	29.5m	pale brown hornfelsed metaseds,banded, contact @ 400 to c.a.,py & hem							
29.5m	30m	altered feldspar porphyry,much py & hem,							
30m	30.3m	hornfelsed metaseds,py,							
30.3m	31.4m	altered feldspar porphyry,silic'ed & sericit'zed,green colour,much py & hem	29m	32m	40194	.003	.001	.08	.001
31.4m	34.4m	mixed metesed & alt. porphyry frags,dissem py & hem,green colour,	32m	35m	40195	.003	.001	.09	.001
34.4m	35.2m	alt porphyry,green colour,dissem hem, contact @ 400 to c.a.							
35.2m	40m	hornfelsed metaseds,bx'ed & some alt porphyry,dissem py to 20% with dissem hem,	35m	38m	40196	.007	.001	.07	.001
			38m	41m	40197	.001	.001	.09	.001
40m	41.2m	pale brown alt porphyry,dissem f.g. py & black specks hem,green colouration less,							

Footage		DESCRIPTION	Sample		Cu %	Mo %	ASSAYS		
From	To		From	To			Number	Ag Tr.oz/t	Au Tr.oz/t
41.2m	44.5m	pale brown hornfelsed metaseds,qtz stringer stockwork,@ 42m qtz-carb-py healed shear @ 50° to c.a.,	41m	44m	40198	.006	.001	.11	.001
44.5m	45.5	transition from pale brown altered hornfelsed metaseds to black hornfelsed argillite,silicified,pale brown altn occurs as selvedge/envelope on stockwork veinlets, disseminated py & black specks <1mm across - hem in alt'ed hornfels & magnetite in black hornfels,	44m	47m	40199	.010	.001	.10	.001
45.5m	49.5m	black hornfels,f.g.,magnetic,black specks <1mm of magnetite,py veins,	47m	50m	40200	.010	.001	.12	.001
49.5m	52.8m	black hornfelsed argillite,magnetic,py veinlets,qtz veinlet stockwork with bleached/alt'ed selvedges of pale brown hornfels,	50m	53m	40201	.009	.001	.12	.001
52.8m	58m	shear or bx zone,broken ground,qtz-carb-anhydrite fracture filling from 53m,less py,	53m	56m	40202	.008	.001	.11	.001
			56m	59m	40203	.005	.001	.10	.001
58m	60m	hornfelsed black argillite,disseminated & vein py, magnetite,	59m	62m	40204	.006	.001	.10	.001
60m	63m	hornfelsed black argillite,disseminated & vein py, disseminated magnetite as specks <1mm across,pale brown altn selvedge to qtz vein stockwork,	62m	65m	40205	.010	.001	.10	.001
63m	70m	mixed black hornfels & pale brown altered hornfels,f.g.disseminated py,qtz veinlet stockwork,py veins @ 30° to c.a. from 64.3m to 65.3m,healed bx to 66m,fractures with qtz-carb-anhydrite,	65m	68m	40206	.005	.001	.10	.001
			68m	71m	40207	.009	.001	.12	.001

Footage		DESCRIPTION			Sample Number	Cu %	Mo %	ASSAYS	
From	To		From	To				Ag Tr.oz/t	Au Tr.oz/t
70m	78.7m	pale brown alt metaseds, hornfels, black hornfels, much py & stockwork veinlets,	71m	74m	40208	.008	.001	.09	.001
			74m	77m	40209	.008	.001	.16	.001
78.7m	83.3m	light grey medium grained, phan'itic, alt'ed intrusive - protolith indeterminate due silicification & sericitization, much dissem py, contacts @ 30° to c.a., vuggy qtz-carb vein with massive py @ 79m @ 10° to c.a.,	77m	80m	40210	.005	.001	.13	.001
			80m	83m	40211	.001	.001	.09	.001
83.3m	84.4m	bleached alt'ed hornfels, py-qtz veins @ 30° to c.a.,	83m	86m	40212	.004	.001	.08	.001
84.4m	85.3m	light grey alt'ed intrusive, silicified, sugary texture, dissem py, faint green colour due incipient epidote?							
85.3m	91.9m	pale brown bleached, alt'ed hornfels, py,	86m	89m	40213	.011	.001	.10	.001
91.9m	95m	alternating bands pale brown hornfels & alt'ed intrusive, pyritic, contacts @ 50° to c.a.,	89m	92m	40214	.011	.001	.09	.001
			82m	95m	40215	.002	.001	.13	.001
95m	100.3m	light grey f.g. phan'itic, silicified, sugary texture, sericitic, patches apple-green alteration- incipient epidote altn?, minor Kspar noted, dissem py throughout	95m	98m	40216	.001	.001	.09	.001
			98m	100.3m	40217	.001	.001	.10	.001

END OF HOLE 100.3m

Drill Hole #: 91 - 9 PROJECT: Poplar Page 1 of 3.
 Coordinates: 57+20 N 117+25 E Elevation: 895m Date Commenced: 10/06/'91
 Core Size: Date Completed: 10/07/'91
 Dip: -60° Azimuth: 045° Date logged: 10/11/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	4.57m	Overburden/Casing							
4.57m	13.5m	pale brown, bleached hornfelsed metaseds, py veinlets stockwork, patches black hornfels/argillite with magnetite,	4.57m	8m	40218	.005	.001	.09	.001
			8m	11m	40219	.015	.001	.08	.001
			11m	14m	40220	.006	.001	.09	.001
13.5m	13.8m	hornfelsed metavolcs, sugary texture, py veinlets paral to contacts @ 15° to c.a.,							
13.8m	20m	pale brown siliceous hornfelsed metaseds & metavolcs, much disseminated py & py veinlets, healed bx/shear zone, rounded frags,	14m	17m	40221	.002	.001	.08	.001
			17m	20m	40222	.003	.001	.07	.001
20m	31.4m	similar pale brown, bleached alt'ed hornfels, much disseminated py & veinlet stockwork, qtz-carb veins @ 90° to c.a. @ 20.7m, gouge zone from 22.5m to 23.3m @ 70° to c.a.,	20m	23m	40223	.008	.001	.09	.001
			23m	26m	40224	.014	.001	.10	.001
			26m	29m	40225	.006	.001	.10	.001
31.4m	31.6m	Contact zone @ 70° to c.a., gouge, py veins, to alt'ed intrusive, epidote alt'n associated feldspars?,	29m	32m	40226	.004	.001	.09	.001
31.6m	35.2m	light grey, f.g., xalline, alt'ed intrusive, protolith indeterminate, disseminated py & black specks <1mm across-hem or magn?	32m	35m	40227	.001	.001	.08	.001
			35m	38m	40228	.013	.001	.08	.001
35.2m	38.2m	pale brown bleached hornfelsed metaseds, py,							
38.2m	39m	light grey alt'ed intrusive, contacts @ 70° & 65° to c.a., much disseminated & veinlet py, disseminated black specks <1mm across-non-magnetic, so hem?							

Footage		DESCRIPTION			Sample Number	ASSAYS			
From	To		From	To		Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
39m	49.5m	pale brown hornfelsed metaseds,dissem & stockwork veinlets py,qtz-carb veins,py veins,vuggy qtz-carb-py vein @ 80° to c.a. @ 49.5m,	38m	41m	40229	.005	.001	.08	.001
			41m	44m	40230	.007	.001	.08	.001
			44m	47m	40231	.004	.001	.07	.001
49.5m	50.3m	alt'ed intrusive,silicified,dissem py, trace epidote	47m	50m	40232	.002	.001	.07	.001
50.3m	53.8m	pale brown hornfelsed metaseds,py veinlet stockwork,	50m	53m	40233	.006	.001	.08	.001
53.8m	57.5m	mixed pale brown hornfels & alt'ed intrusive,shear zone, gouge & healed, qtz-carb-py veins,@ 60° to c.a., qtz-anhydrite-py healed bx @ 40° to c.a. @ 56.4m,	53m	56m	40234	.002	.001	.08	.001
			56m	59m	40235	.005	.001	.08	.001
57.5m	87.6m	pale brown hornfelsed metaseds,dissem & veinlet py,qtz-carb veins,qtz-py veinlet stockwork,minor pale green alt'n-epidote?, vuggy qtz-carb veins @ 62m,@ 64m,@ 74m, @ 75.4m,@ 79.8m,@ 82m,@ 82.9m,@ 85.1m - all @ low angles to c.a.-25° to 30°,some assoc'ed with anhydrite,	59m	62m	40236	.003	.002	.08	.001
			62m	65m	40237	.011	.002	.11	.001
			65m	68m	40238	.016	.001	.09	.001
			68m	71m	40239	.013	.001	.10	.001
			71m	74m	40240	.022	.001	.10	.001
			74m	77m	40241	.010	.001	.08	.001
			77m	80m	40242	.016	.001	.09	.001
87.6m		Contact to light grey,xalline,alt'ed feldspar porphyry,	80m	83m	40243	.012	.001	.07	.001
			83m	86m	40244	.010	.001	.08	.001

Footage		DESCRIPTION				ASSAYS			
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
87.6m	93m	grey, xalline, phan'itic, silicified & sericitized feldspar porphyry, feldspar phenoxsts to 3-5mm, kaolin'zed, much dissem py & black specks <1mm-non-magnetic -hem?, Kspar alt'n assoc'ed py-carb-kaolin veins @ 60-70° to c.a. 92.5m	86m	89m	40245	.006	.001	.06	.001
			89m	92m	40246	.021	.001	.10	.001
			92m	95m	40247	.014	.001	.10	.001
93m	100.27m	similar feldspar porphyry, darker due increased dissem f.g. magnetite & small flakes/xals 2Y biotite, dissem py, alt'ed feldspars become more prominent to 100.3m, vuggy qtz-py veins,	95m	98m	40248	.010	.001	.14	.001
			98m	100.3m	40249	.004	.001	.08	.001

END OF HOLE 100.3m

Drill Hole #: 91 - 10 PROJECT: Poplar Page 1 of 2.
 Coordinates: 58+10 N 117+00 E Elevation: 905m Date Commenced: 10/07/'91
 Core Size: NQ Date Completed: 10/07/'91
 Dip: -60° Azimuth: 045° Date logged: 10/11-12/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	4.57m	Overburden/Casing							
5	14m	dark grey, silic'ed, sericitized, Xalline feldspar porphyry, dissem py to 10%, series	4.57m	7m	40250	.118	.010	.09	.001
		qtz veins assoc'ed cpy, MoS ₂ in rusty fract	7m	10m	40251	.154	.005	.11	.001
			10m	13m	40252	.262	.016	.09	.003
14m	18m	pale brown bleached hornfels, mixed zone with contacts @ 500 to c.a. @ 13m, silic'ed, sugary texture, qtz veinlet stockwork, py-dissem and on fract	13m	16m	40253	.100	.005	.11	.001
			16m	19m	40254	.094	.004	.11	.001
18m	20.6m	black hornfelsed argillite, f.g., sl. magnetic, less py,							
20.6m	31m	pale brown hornfelsed metaseds, qtz vein stockwork, less py increased cpy, MoS ₂ , qtz veins @ 23.1m @ 40° to c.a., qtz veined zone, silic'ed, vuggy qtz veins with MoS ₂ cpy & py @ 80° to c.a.	19m	22m	40255	.084	.002	.12	.001
			22m	25m	40256	.136	.008	.13	.001
			25m	28m	40257	.139	.009	.13	.001
			28m	31m	40258	.178	.005	.10	.001
31m	37.7m	pale brown hornfelsed metavolc, silic'ed, qtz veinlet stockwork, qtz-carb veins with kaolin'zation & altn vesicles, sericite, cpy & MoS ₂ ,	31m	34m	40259	.154	.007	.15	.001
			34m	37m	40260	.148	.008	.11	.001
			37m	40m	40261	.105	.009	.09	.001
37.7m	41m	metaseds, silic'ed, hornfelsed, cpy & MoS ₂ , qtz-carb veins,	40m	43m	40262	.201	.020	.11	.001
41m	45m	pale brown, silic'ed metavolcs, xalline, qtz vein stockwork with cpy, py, MoS ₂ , liesegang altn pattern to 15mm spots,	43m	46m	40263	.152	.005	.09	.001
			46m	49m	40264	.096	.004	.08	.001
			49m	52m	40265	.100	.004	.07	.001

Footage		DESCRIPTION			Sample Number	ASSAYS			
From	To		From	To		Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
45m	60m	pale brown, hornfelsed metaseds, silic'ed, qtz vein stockworks, cpy, MoS ₂ , increasing qtz-carb veins to gouge with Kaolin from 57m, @ 20° to c.a., broken ground with anhydrite,	52m	55m	40266	.138	.005	.11	.001
			55m	58m	40267	.101	.003	.08	.001
			58m	61m	40268	.121	.004	.12	.001
60m	68.2m	pale brown to green healed shear zone, bx zone, decreased sulphides, kaolinized, gouge, anhydrite,	61m	64m	40269	.083	.003	.08	.001
			64m	67m	40270	.112	.004	.08	.001
			67m	70m	40271	.126	.006	.05	.001
68.2m	80m	increasingly bx'ed shear zone, bx, gouge, in pale brown altered metaseds, qtz-carb veins, anhydrite, kaolin, py, cpy, MoS ₂ , black hornfels @ 76m to 77.7m-magnetic,	70m	73m	40272	.115	.004	.10	.001
			73m	76m	40273	.116	.010	.09	.001
			76m	79m	40274	.363	.009	.11	.003
			79m	82m	40275	.291	.009	.11	.002
80m	87.7m	more solid mixed bleached alt'ed metaseds & metavolcs, qtz vein stockwork, cpy, py, MoS ₂ ,	82m	85m	40276	.130	.018	.08	.001
			85m	88m	40277	.109	.016	.08	.001
87.7m	94m	similar metaseds, altered, qtz veining with MoS ₂ & cpy, increased py, gouge, kaolin, anhydrite, bx'ed,	88m	91m	40278	.123	.013	.09	.001
			91m	94m	40279	.092	.007	.09	.001
94m	96.4m	contact @ 20° to c.a. to siliceous, xalline, intrusive, very bx'ed with frags to 10mm, cemented anhydrite & qtz, qtz augen noted, much less py,	94m	97m	40280	.021	.003	.08	.001
			97m	99.9m	40281	.002	.001	.08	.001
96.4m	to 99.9m	pale greenish brown f.g. qtz feldspar porphyry, silic'ed, feldspars incipiently altered to epidote, porph'blasts to 5mm or less, minor to no sulphides							

END OF HOLE 99.9M

Drill Hole #: 91 - 11 PROJECT: Poplar Page 1 of 2.
 Coordinates: 61+00 N 115+15 E Elevation: 905m Date Commenced: 10/07/'91
 Core Size: NQ Date Completed: 10/08/'91
 Dip: -60° Azimuth: 045° Date logged: 10/12-13/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	From To		Sample	Cu	Mo	Ag	Au
From	To		From	To	Number	%	%	Tr.oz/t	Tr.oz/t
0	7.92m	Overburden/Casing							
7.82m	24m	grey feldspar porphyry, crowded feldspars to 4mm across, seric'ed biotite, 2Y biot. in part, greenish tinge to feldspars-chl?epidote? much dissemin. magnetite & red hematite, cpy replacing hem. &/or biot., silicic, blebs hem. to 20mm, increasing 2Y biot, from 22m	7.9m	11m	40282	.066	.001	.11	.001
			11m	14m	40283	.079	.001	.32	.001
			14m	17m	40284	.080	.001	.09	.001
			17m	20m	40285	.040	.001	.08	.001
			20m	23m	40286	.058	.001	.13	.001
24m	37m	similar crowded feldspar porphyry, sericitized with chl. in part, much dissemin. magnetite, with red hem replacement & cpy replacing hem., 2Y biot. partially seric'ed, minor cpy, py, MoS ₂	23m	26m	40287	.076	.001	.08	.001
			26m	29m	40288	.070	.001	.10	.001
			29m	32m	40289	.042	.001	.09	.001
			32m	35m	40290	.060	.001	.09	.001
37m	44m	similar feldspar porphyry, light bleached zones & darker 2Y biot. rich zones, silicic, green tinge due epidote? much dissemin magn. & hem., black-purple specks to <1mm, cpy assoc'ed,	35m	38m	40291	.056	.002	.07	.001
			38m	41m	40292	.039	.001	.10	.001
			41m	44m	40293	.068	.001	.10	.001
			44m	47m	40294	.070	.001	.14	.003
44m	47.5m	clay gouge, kaolin, @ 30° to c.a., to bleached feldspar porphyry, bx'ed, sheared, gouge & kaolin, contacts @ 40° to c.a., dissemin. hem & cpy,	47m	50m	40295	.030	.001	.09	.001
47.5m	52m	black f.g. xalline dyke, contact @ 40° to c.a. porph'blasts-laths to 2mm, bleached/altered from 51m assoc'ed qtz-carb. vein @ 80° to c.a.,	50m	53m	40296	.002	.001	.06	.001
			53m	56m	40297	.001	.002	.07	.001
52m	62m	similar dyke of f.g. black andesite, bleached porph'blast xal laths, gouge @ 50° to c.a. @ 53m, decreasing sulphides,	56m	59m	40298	.004	.001	.07	.001
			59m	62m	40299	.002	.001	.05	.001

Footage		DESCRIPTION			Sample Number	ASSAYS			
From	To		From	To		Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
62m	70m	healed shear zone, fault zone, bx'ed, part kaolinized feldspar porphyry, light green-grey, shear planes @ 70° to c.a. with cpy, MoS ₂ , hem, 2Y biot. increase from 68m,	62m	65m	40300	.230	.003	.15	.001
			65m	68m	40301	.269	.003	.18	.001
			68m	71m	40302	.439	.008	.11	.004
70m	78m	shear zone, bx'ed feldspar porphyry & bleached, altered agillite/black andesite dyke - sheared, bx'ed, mixed, qtz veins @ 71m @ 35° to c.a. with cpy, MoS ₂ , 2Y biot., clay gouge,	71m	74m	40303	.339	.005	.15	.003
			74m	77m	40304	.221	.004	.19	.001
			77m	80m	40305	.080	.002	.10	.001
78m	85m	dark brown/black andesite dyke, altered, minor sulphides, contact @ 85m @ 20° to c.a.	80m	83m	40306	.002	.001	.06	.001
			83m	86m	40307	.099	.004	.07	.001
85m	91m	green-grey feldspar porphyry, sericitized, silic'ed, epidote? porph'blasts to 4mm, much qtz stringer veining with stockwork development, cpy, MoS ₂ , py also much dissem cpy, py, qtz-carb veins, 2Y biot increases from 88m,	86m	89m	40308	.296	.007	.10	.002
			89m	92m	40309	.321	.012	.09	.001
91m	99.9m	similar silic'ed feldspar porphyry, sericite, epidote, qtz vein & veinlet stockwork developed with cpy, MoS ₂ , py, & on fract, dissem, 2Y biot. increasing from 96m -f.g.,	92m	95m	40310	.304	.011	.09	.001
			95m	98m	40311	.317	.010	.10	.003
			98m	99.9m	40312	.235	.007	.05	.001

END OF HOLE 99.97m

Drill Hole #: 91 - 12 PROJECT: Poplar Page 1 of 2.
 Coordinates: 60+40 N 115+20 E Elevation: 910 Date Commenced: 10/08/'91
 Core Size: HQ Date Completed: 10/09/'91
 Dip: -60° Azimuth: 045° Date logged: 10/13-14/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	Sample		ASSAYS				
From	To		From	To	Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	6.5m	Overburden/Casing							
6.5m	18m	light grey-green bleached feldspar porphyry, silicified, sericitized & partially chloritized 1Y biotite-up to 3-4mm, & feldspars up to 4-5mm, so a Feldspar biotite (FBP) porphyry protolith, 2Y biot., red hematite & black hem. xals, disseminated py & cpy, MoS ₂ on fract, darker colour due increased disseminated hem., from 15m, minor Kspar, minor kaolin, qtz-carb vein @ 16.8m @ 80° to c.a.,	6.5m	8m	40313	.170	.001	.07	.002
			8m	10m	40314	.053	.001	.05	.001
			10m	12m	40315	.098	.001	.04	.001
			12m	14m	40316	.148	.002	.04	.001
			14m	16m	40317	.136	.001	.06	.001
			16m	18m	40318	.072	.001	.06	.001
18m	to 23.4m	similar feldspar biotite porphyry, chl. altn of 1Y biotite, disseminated hem - oxidized red where altered, disseminated cpy, qtz-carb veins @ 22m @ 80° to c.a. with cpy, py, MoS ₂ ,	18m	20m	40319	.142	.001	.07	.001
			20m	22m	40320	.099	.001	.04	.001
			22m	24m	40321	.118	.001	.07	.001
23.4m	to 26.1m	black Andesite dyke, upper contact @ 30° to c.a., lower contact @ 60° to c.a., sheared horst of feldsp. biot. porphyry @ 24.4m with contacts @ 30° to c.a.,	24m	26m	40322	.036	.001	.07	.001
			26m	28m	40323	.178	.001	.06	.001
26.1m	to 33.3m	dark grey feldsp. biot. porphyry, 2Y biot., disseminated cpy & py, qtz-carb vein @ 5° to c.a. @ 27.5m with cpy, py, MoS ₂ & bleached selvedge to 0.5m, disseminated specks hem - partially oxidized red, kaolin increasing,	28m	30m	40324	.135	.001	.06	.001
			30m	32m	40325	.082	.001	.06	.001
			32m	34m	40326	.163	.001	.06	.001
			34m	36m	40327	.072	.001	.06	.001
33.3m	to 42m	paler FBP, 2Y biot. decreased, sericite & kaolin altn., much disseminated hem with cpy replacing-tarnish on cpy-hem similar to covellite/bornite, becomes silicified from 40m, disseminated hem/cpy,	36m	38m	40328	.089	.001	.07	.001
			38m	40m	40329	.068	.001	.05	.001
			40m	42m	40330	.049	.001	.27	.001
			42m	44m	40331	.054	.001	.05	.001

Footage		DESCRIPTION			Sample Number	Cu %	Mo %	ASSAYS	
From	To		From	To				Ag Tr.oz/t	Au Tr.oz/t
43m	54m	similar FBP, crowded porphyry, darker from 47m due to increased dissem hem with cpy replacement, minor py, much sericit'zation of 1Y biot., becomes paler to 52m, minor chl altn,	44m	46m	40332	.055	.002	.04	.001
			46m	48m	40333	.079	.001	.05	.001
			48m	50m	40334	.080	.001	.05	.001
			50m	52m	40335	.051	.001	.04	.001
			52m	54m	40336	.059	.001	.04	.001
54m	to 64.8m	similar FBP, increased hem/2Y biot from 55m, gouge -shear zone @ 59m @ 60° to c.a., decreased 2Y biot from 60m, paler,	54m	56m	40337	.048	.001	.06	.001
			56m	58m	40338	.055	.002	.06	.001
			58m	60m	40339	.049	.001	.07	.001
64.8m	to 65.2m	similar FBP, gouge-shear zone @ 65m @ 25° to c.a., epidote altn, green colouration, carb,	60m	62m	40340	.069	.001	.05	.001
			62m	64m	40341	.044	.001	.04	.001
65.2m	to 70m	lt. green colour to alt'ed FBP, epidote altn, py increasing, groundmass more alt'ed-sericitic, 2Y biot. appear alt'ed-retrograde altn?, dissem hem/cpy, 69m-LOST CORE-1m,	64m	66m	40342	.086	.001	.08	.004
			66m	68m	40343	.035	.001	.08	.001
			68m	70m	40344	.056	.001	.03	.001
70m	to 95.3m	similar lt. green-grey FBP, increase in py, slight decrease in hem/cpy & increase in epidote altn., feldspar size decrease, still sericit'zed 1Y biot. & some 2Y biot., clay gouge zones @ 70.5m; 74.3m; 78.5m; 82.2m; 83.3m; py decreases to 90m, qtz-czrb filled fract @ 35° to c.a. @ 90.2m, decrease in hem from 89m also in cpy, sericite increase from 90m, epidote also increases, veins py @ 94.1m & 94.5m with deep red altn selvage, perhaps Kspar	70m	72m	40345	.067	.001	.10	.001
			72m	74m	40346	.077	.001	.07	.001
			74m	76m	40347	.097	.001	.04	.001
			76m	78m	40348	.066	.001	.04	.001
			78m	80m	40349	.048	.001	.04	.001
			80m	82m	40350	.083	.001	.03	.001
			82m	84m	40351	.056	.001	.08	.001
			84m	86m	40352	.078	.001	.04	.001
			86m	88m	40353	.042	.001	.03	.001
95.3m	to 99.9m	similar FBP, kaolin'zed fract @ 95.3m & 98.8m, veins py @ 97.3m & 99.85m with red altn selvage less hem, py, & cpy to end hole,	88m	90m	40354	.017	.001	.04	.001
			90m	92m	40355	.040	.001	.03	.004
			92m	94m	40356	.060	.001	.06	.001
			94m	96m	40357	.043	.001	.05	.001
			96m	98m	40358	.038	.001	.04	.001
			98m	99.9m	40359	.032	.001	.04	.001

END OF HOLE 99.97m

Drill Hole #: 91 - 13 PROJECT: Poplar Page 1 of 3.
 Coordinates: 57+00 N 116+00 E Elevation: 900m Date Commenced: 10/09/'91
 Core Size: NQ Date Completed: 10/10/'91
 Dip: -90° Azimuth: Vert. Date logged: 10/15-16/'91 Logged by: GDH Sampled by: AA

Footage		DESCRIPTION	ASSAYS						
From	To		From	To	Sample Number	Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
0	4.7m	Overburden/Casing							
4.7m	13m	pale brown hornfelsed silicified metaseds., relict banding in part with thin bands metavolcs., well developed qtz stringer stockwork with two preferred orientations @ 30° & 60° to c.a., py assoc'ed veins, stringers & dissem,	4.7m	8m	40360	.006	.002	.06	.001
			8m	11m	40361	.009	.001	.05	.001
			11m	14m	40362	.011	.002	.06	.001
13m	18m	sheared metaseds. to 14.2m, sheared metavolcs to 15.2m, silic'ed, green colouration in part-epidote, pyritic, 15.2m to 18m - gouge-clay bx zone, py, contacts to gouge @ 30° to c.a.,	14m	17m	40363	.022	.002	.05	.001
			17m	20m	40364	.004	.002	.05	.001
18m	20m	healed bx zone, silic'ed frags sugary text., much py & epidote,							
20m	23m	mixed alt'ed metaseds & metavolcs, hornfelsed, qtz stringer @ 30° to c.a., much py,	20m	23m	40365	.008	.002	.06	.001
			23m	26m	40366	.012	.002	.05	.001
23m	28m	lt. grey, alt'ed intrusive? or metavolc?, sugary text., much py, silic'ed, epidote, black specks <1mm across of magn or hem, qtz augen noted,	26m	29m	40367	.009	.002	.06	.001
28m	30m	pale brown bx'ed metaseds, gouge/shear @ 29.2m @ 80° to c.a. healed with bx of metaseds & alt'ed intrusive (qtz augen rhyolite?)	29m	32m	40368	.011	.001	.05	.001
30m	to 38.2m	pale brown hornfelsed metaseds, qtz stringer stockwork, much py, qtz-siderite veins @ 5° & 35° to c.a. @ 33m-33.5m & 34m-35.1m, broken,	32m	35m	40369	.021	.002	.04	.001
			35m	38m	40370	.025	.001	.04	.001

Footage From To	DESCRIPTION	From To		Sample Number	ASSAYS			
					Cu %	Mo %	Ag Tr.oz/t	Au Tr.oz/t
38.2m to 48.5m	lt.grey alt'ed intrusive,sugary text.,silic'ed, qtz augen rhyolite?,green colouration due minor epidote?,gouge-kaolin @ 39.6m-40m,vuggy qtz veins with gouge @ 40° - 50° to c.a. @ 39m-39.5m & 40.1m-40.5m,horst of metaseds from 41.3m-42.9m - bx'ed,much py,	38m 41m	41m 44m	40371 40372	.031 .016	.001 .001	.03 .02	.003 .001
		44m 47m	47m 50m	40373 40374	.019 .017	.002 .001	.02 .06	.001 .001
45.7m to 46.6m	LOST CORE - MISLATCH Ground core recovered							
48.5m to 53m	grey metaseds,healed bx zone @ 70° to c.a.,py veins,qtz-carb veins,	50m	53m	40375	.009	.001	.05	.001
53m to 73.5m	pale brown hornfelses metaseds,silic'ed,much dissem py,qtz veinlet stockwork with py,gouge with qtz-py @ 59m,61.1m-61.4m-vuggy qtz-py vein with qtz xals,@73m a massive qtz-py vein @ 30° to c.a.-80mm true width,	53m 56m	56m 59m	40376 40377	.009 .013	.001 .001	.02 .02	.001 .001
		59m 62m	62m 65m	40378 40379	.024 .016	.001 .001	.06 .06	.001 .001
		65m 68m	68m 71m	40380	.010	.001	.05	.001
73.5m to 89.7m	Contact @ 80° to c.a. to med. brown feldspar micro-porphyry,feldsp. pheno-xsts to2-3mm,very silicified,ly biotite bleached/sericit'zed,much py dissem & on fract,qtz-py veins @ 20° to 30° to c.a. @ 77m,78m & 80.2m with selvedge of pink alt'n (Kspar?) assoc'ed,shear zone with kaolin gouge & py from 82.6m-83.2m,qtz-carb veins @35° to c.a. @ 85.6m,87.8m,& 88.2m, py vein @ 75° to c.a. @ 88.6m with blebs cpy,becomes bx'ed & kaolin'zed to 89.7m,	68m 71m	71m 74m	40381 40382	.009 .011	.001 .001	.04 .04	.001 .001
		74m 77m	77m 80m	40383 40384	.019 .018	.001 .001	.03 .04	.001 .001
		80m 83m	83m 86m	40385 40386	.034 .017	.001 .001	.04 .05	.001 .001
		86m 89m	89m 92m	40387 40388	.051 .034	.001 .001	.04 .06	.001 .001
89.7m to 94.3m	similar feldspar micro-porphyry,more bx'ed & more clay/kaolin alt'n to 90m,healed shear zone with planes @ 40° to c.a. to 94m,very broken ground, very pyritic,minor cpy noted,	92m 95m	95m 98m	40389 40390	.032 .008	.002 .001	.06 .05	.001 .001
		98m	99.2m	40391	.013	.001	.05	.001

Footage		DESCRIPTION	Sample		Cu	Mo	ASSAYS	
From	To		From	To	%	%	Ag	Au
			Number				Tr.oz/t	Tr.oz/t
94.3m	to 99.2m	similar feldspar micro-porphyry, bleached, alt'ed, increased kaolin'zation assoc'ed healed shear zone & py veins & fract's @ 35° to 45° to c.a. @ 96.2m, 96.6m, 96.8m, 97.1m, 97.8m, & 99.1m, much disseminated py,						

END OF HOLE 99.9m

APPENDIX II

Copies of Certificates of Analysis



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FAX (604) 980-9621

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0882-RA1

Company: **AINSWORTH-JENKINS HOLDINGS**
Project: **POPLAR**
Attn: **BEN AINSWORTH**

Date: **OCT-05-91**
Copy 1. **AINSWORTH-JENKINS, VANCOUVER, B.C.**
2. **AINSWORTH-JENKINS, C/O MIN-EN LABS.**

We hereby certify the following Assay of 11 DRILL CORE samples submitted SEP-30-91 by GORDON D. HOUSE.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
NO. 0-40020	.01	.001	1.8	.05	.031	.007
NO. 0-40021	.01	.001	1.6	.05	.046	.002
NO. 0-40022	.01	.001	1.1	.03	.027	.007
NO. 0-40023	.01	.001	2.2	.06	.030	.001
NO. 0-40024	.01	.001	1.1	.03	.034	.007
NO. 0-40025	.02	.001	1.6	.05	.047	.003
NO. 0-40026	.01	.001	1.3	.04	.046	.001
NO. 0-40027	.01	.001	1.4	.04	.037	.001
NO. 0-40028	.02	.001	1.0	.03	.028	.005
NO. 0-40029	.01	.001	.8	.02	.016	.004
NO. 0-40030	.01	.001	.8	.02	.024	.003

*AU = 1 ASSAY TON.

Certified by _____



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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0900-RA1

Company: **AINSWORTH JENKINS**
Project: **POPLAR**
Attn: **B. AINSWORTH**

Date: **OCT-11-91**
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.

We hereby certify the following Assay of 24 CORE samples submitted OCT-03-91 by G.HOUSE.

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
40031	.01	.001	0.8	.02	.027	.002
40032	.01	.001	0.7	.02	.014	.002
40033	.01	.001	0.7	.02	.007	.002
40034	.01	.001	0.5	.01	.019	.001
40035	.01	.001	0.6	.02	.012	.001
40036	.01	.001	0.7	.02	.008	.002
40037	.02	.001	1.4	.04	.049	.005
40038	.01	.001	0.6	.02	.030	.002
40039	.01	.001	0.7	.02	.005	.001
40040	.01	.001	0.6	.02	.003	.001
40041	.01	.001	2.0	.06	.083	.007
40042	.01	.001	0.7	.02	.078	.009
40043	.01	.001	1.0	.03	.075	.010
40044	.01	.001	1.1	.03	.072	.009
40045	.01	.001	1.6	.05	.077	.009
40046	.01	.001	1.2	.04	.084	.009
40047	.01	.001	1.0	.03	.068	.003
40048	.01	.001	1.3	.04	.056	.002
40049	.02	.001	1.2	.04	.104	.008
40050	.01	.001	1.4	.04	.059	.003
40051	.01	.001	1.2	.04	.083	.007
40052	.01	.001	0.8	.02	.032	.002
40053	.01	.001	1.3	.04	.018	.002
40054	.01	.001	0.8	.02	.067	.002

Certified by 
MIN-EN LABORATORIES



Assay Certificate

1S-0900-RA2

Company: **AINSWORTH JENKINS**
Project: **POPLAR**
Attn: **B. AINSWORTH**

Date: **OCT-11-91**
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.

We hereby certify the following Assay of 24 CORE samples submitted OCT-03-91 by G.HOUSE.

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
40055	.01	.001	0.6	.02	.034	.004
40056	.01	.001	2.6	.08	.114	.012
40057	.02	.001	1.0	.03	.073	.002
40058	.01	.001	1.2	.04	.092	.004
40059	.01	.001	1.8	.05	.102	.004
40060	.01	.001	6.1	.18	.120	.007
40061	.02	.001	7.4	.22	.175	.007
40062	.01	.001	0.9	.03	.041	.008
40063	.01	.001	0.9	.03	.038	.005
40064	.01	.001	1.1	.03	.026	.003
40065	.01	.001	0.4	.01	.026	.004
40066	.01	.001	1.3	.04	.033	.006
40067	.01	.001	0.8	.02	.037	.004
40068	.01	.001	1.0	.03	.038	.003
40069	.01	.001	0.9	.03	.023	.002
40070	.01	.001	1.0	.03	.022	.002
40071	.01	.001	0.7	.02	.042	.001
40072	.01	.001	0.8	.02	.036	.001
40073	.01	.001	0.8	.02	.032	.003
40074	.01	.001	0.9	.03	.032	.002
40075	.01	.001	0.8	.02	.034	.004
40076	.01	.001	0.7	.02	.053	.005
40077	.01	.001	0.8	.02	.032	.007
40078	.01	.001	1.3	.04	.050	.008

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate 1S-0900-RA3

Company: **AINSWORTH JENKINS**
Project: **POPLAR**
Attn: **B.AINSWORTH**

Date: **OCT-11-91**
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.

We hereby certify the following Assay of 5 CORE samples submitted OCT-03-91 by G.HOUSE.

Sample Number	AU g/tonne	AG g/tonne	CU %	MO %
40079	.01	1.3	.082	.002
40080	.10	2.1	.050	.003
40081	.01	1.2	.047	.004
40082	.01	0.8	.036	.004
40083	.01	1.0	.037	.002

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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0922-RA1

Company: AINSWORTH JENKINS HOLDINGS
Project: POPLAR
Attn: B.AINSWORTH

Date: OCT-17-91
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.

We hereby certify the following Assay of 24 COR samples submitted OCT-08-91 by B.AINSWORTH.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
040084	.08	.002	4.4	.13	.204	.003
040085	.07	.002	3.8	.11	.219	.004
040086	.11	.003	3.9	.11	.424	.004
040087	.09	.003	6.8	.20	.402	.004
040088	.14	.004	4.4	.13	.661	.006
040089	.12	.004	3.9	.11	.468	.003
040090	.10	.003	3.2	.09	.318	.005
040091	.09	.003	4.0	.12	.362	.006
040092	.12	.004	7.1	.21	.361	.006
040093	.11	.003	6.4	.19	.470	.008
040094	.18	.005	61.7	1.80	.586	.007
040095	.16	.005	17.2	.50	.642	.007
040096	.17	.005	4.7	.14	.561	.013
040097	.11	.003	5.5	.16	.363	.012
040098	.10	.003	8.7	.25	.413	.010
040099	.09	.003	3.6	.11	.336	.007
040100	.08	.002	7.1	.21	.373	.010
040101	.07	.002	4.2	.12	.356	.009
040102	.07	.002	3.9	.11	.375	.009
040103	.10	.003	4.0	.12	.370	.020
040104	.10	.003	6.0	.18	.424	.020
040105	.11	.003	5.0	.15	.320	.010
040106	.12	.004	4.3	.13	.444	.006
040107	.09	.003	10.2	.30	.265	.009

*AU - 1 ASSAY TON.

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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0922-RA2

Company: **AINSWORTH JENKINS HOLDINGS**
Project: **POPLAR**
Attn: **B.AINSWORTH**

Date: **OCT-17-91**
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.

We hereby certify the following Assay of 24 CORE samples submitted OCT-08-91 by B.AINSWORTH.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
040108	.18	.005	4.7	.14	.420	.013
040109	.11	.003	5.4	.16	.483	.013
040110	.04	.001	4.5	.13	.006	.001
040111	.02	.001	4.5	.13	.006	.001
040112	.02	.001	4.7	.14	.014	.001
040113	.03	.001	4.6	.13	.008	.001
040114	.02	.001	3.5	.10	.008	.001
040115	.03	.001	3.8	.11	.136	.001
040116	.05	.001	6.5	.19	.404	.003
040117	.07	.002	14.8	.43	.414	.004
040118	.05	.001	5.0	.15	.419	.004
040119	.08	.002	4.2	.12	.332	.007
040120	.10	.003	4.0	.12	.353	.004
040121	.08	.002	3.8	.11	.452	.003
040122	.11	.003	4.2	.12	.557	.006
040123	.12	.004	3.7	.11	.436	.009
040124	.09	.003	3.9	.11	.377	.005
040125	.12	.004	4.0	.12	.505	.006
040126	.10	.003	4.7	.14	.407	.007
040127	.13	.004	4.3	.13	.582	.008
040128	.10	.003	8.2	.24	.482	.010
040129	.11	.003	23.0	.67	.354	.008
040130	.10	.003	8.1	.24	.471	.008
040131	.09	.003	5.2	.15	.401	.008

*AU - 1 ASSAY TON.

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

7

Assay Certificate

1S-0922-RA3

Company: **AINSWORTH JENKINS HOLDINGS**
Project: **POPLAR**
Attn: **B.AINSWORTH**

Date: **OCT-17-91**
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.

We hereby certify the following Assay of 13 CORE samples submitted OCT-08-91 by B.AINSWORTH.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
040132	.08	.002	6.1	.18	.353	.007
040133	.10	.003	5.4	.16	.363	.008
040134	.04	.001	4.4	.13	.258	.006
040135	.06	.002	4.9	.14	.276	.010
040136	.10	.003	5.0	.15	.467	.009
040137	.08	.002	5.7	.17	.398	.008
040138	.12	.004	5.2	.15	.391	.006
040139	.16	.005	5.0	.15	.448	.008
040140	.12	.004	5.0	.15	.487	.013
040141	.10	.003	4.3	.13	.365	.006
040142	.14	.004	6.0	.18	.566	.011
040143	.09	.003	5.3	.15	.330	.009
040144	.06	.002	4.9	.14	.287	.007

*AU - 1 ASSAY TON.

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SMITHERS LAB.:
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TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0926-RA1

Company: AINSWORTH JENKINS HOLDINGS
Project: POPLAR
Attn: B. AINSWORTH

Date: OCT-18-91
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.
2. AINSWORTH JENKINS, C/O MIN-EN LABS.

He hereby certify the following Assay of 24 ROCK samples submitted OCT-10-91 by G.HOUSE.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
0-40145	.02	.001	2.0	.06	.140	.008
0-40146	.01	.001	2.5	.07	.113	.012
0-40147	.06	.002	2.5	.07	.200	.009
0-40148	.01	.001	1.0	.03	.227	.006
0-40149	.01	.001	1.0	.03	.153	.004
0-40150	.01	.001	1.2	.04	.122	.004
0-40151	.01	.001	1.3	.04	.144	.003
0-40152	.03	.001	1.4	.04	.198	.004
0-40153	.08	.002	13.5	.39	.210	.019
0-40154	.06	.002	2.5	.07	.236	.006
0-40155	.01	.001	2.9	.08	.100	.004
0-40156	.01	.001	2.8	.08	.113	.005
0-40157	.01	.001	3.3	.10	.110	.003
0-40158	.01	.001	2.7	.08	.151	.003
0-40159	.01	.001	2.7	.08	.155	.004
0-40160	.03	.001	2.8	.08	.109	.002
0-40161	.02	.001	2.3	.07	.115	.003
0-40162	.06	.002	3.2	.09	.104	.005
0-40163	.05	.001	3.0	.09	.139	.005
0-40164	.03	.001	2.1	.06	.115	.004
0-40165	.07	.002	2.5	.07	.119	.006
0-40166	.06	.002	2.4	.07	.125	.004
0-40167	.04	.001	2.6	.08	.123	.004
0-40168	.01	.001	2.6	.08	.109	.004

*AU - 1 ASSAY TON.

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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0926-RA2

Company: **AINSWORTH JENKINS HOLDINGS**
Project: **FOPLAR**
Attn: **B. AINSWORTH**

Date: **OCT-18-91**
Copy 1. **AINSWORTH JENKINS, VANCOUVER, B.C.**
2. **AINSWORTH JENKINS, C/O MIN-EN LABS.**

**We hereby certify the following Assay of 24 CORE samples
submitted OCT-10-91 by G.HOUSE.**

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
0-40169	.01	.001	3.9	.11	.028	.002
0-40170	.01	.001	6.6	.19	.032	.001
0-40171	.01	.001	3.4	.10	.032	.002
0-40172	.01	.001	25.7	.75	.061	.001
0-40173	.06	.002	88.6	2.58	.062	.001
0-40174	.01	.001	7.8	.23	.037	.001
0-40175	.02	.001	9.5	.28	.022	.003
0-40176	.02	.001	6.1	.18	.028	.001
0-40177	.01	.001	10.5	.31	.054	.002
0-40178	.01	.001	19.9	.58	.026	.001
0-40179	.01	.001	14.2	.41	.037	.001
0-40180	.01	.001	6.8	.20	.053	.001
0-40181	.01	.001	3.2	.09	.037	.001
0-40182	.02	.001	3.0	.09	.029	.001
0-40183	.02	.001	2.6	.08	.036	.001
0-40184	.01	.001	3.6	.11	.033	.001
0-40185	.02	.001	4.6	.13	.024	.001
0-40186	.01	.001	4.0	.12	.028	.001
0-40187	.01	.001	3.8	.11	.038	.001
0-40188	.01	.001	5.5	.16	.027	.001
0-40189	.01	.001	4.8	.14	.019	.001
0-40190	.01	.001	3.9	.11	.024	.002
0-40191	.01	.001	2.9	.08	.003	.001
0-40192	.01	.001	3.2	.09	.003	.001

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VANCOUVER OFFICE:
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

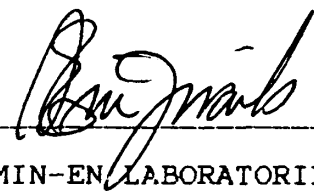
1S-0926-RA3

Company: **AINSWORTH JENKINS HOLDINGS**
Project: **POPLAR**
Attn: **B.AINSWORTH**

Date: **OCT-18-91**
Copy 1. AINSWORTH JENKINS, VANCOUVER, B.C.
2. AINSWORTH JENKINS, C/O MIN-EN LABS.

We hereby certify the following Assay of 20 CORE samples
submitted OCT-10-91 by G.HOUSE.

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
0-40193	.01	.001	2.8	.08	.005	.001
0-40194	.02	.001	2.9	.08	.003	.001
0-40195	.01	.001	3.0	.09	.003	.001
0-40196	.01	.001	2.5	.07	.007	.001
0-40197	.01	.001	3.2	.09	.001	.001
0-40198	.01	.001	3.7	.11	.006	.001
0-40199	.01	.001	3.4	.10	.010	.001
0-40200	.01	.001	4.1	.12	.010	.001
0-40201	.02	.001	4.1	.12	.009	.001
0-40202	.01	.001	3.9	.11	.008	.001
0-40203	.01	.001	3.4	.10	.005	.001
0-40204	.01	.001	3.3	.10	.006	.001
0-40205	.02	.001	3.3	.10	.010	.001
0-40206	.01	.001	3.5	.10	.005	.001
0-40207	.01	.001	4.0	.12	.009	.001
0-40208	.01	.001	3.2	.09	.008	.001
0-40209	.02	.001	5.5	.16	.008	.001
0-40210	.01	.001	4.6	.13	.005	.001
0-40211	.01	.001	3.2	.09	.001	.001
0-40212	.01	.001	2.9	.08	.004	.001

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SMITHERS LAB.:
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TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0944-RA1

Company: AINSWORTH JENKINS HOLDINGS INC.
Project: POPLAR
Attn: BEN AINSWORTH

Date: OCT-18-91
Copy 1. AINSWORTH JENKINS HOLD., VANCOUVER, B.C.

He hereby certify the following Assay of 24 ROCK samples submitted OCT-15-91 by G.HOUSE.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
40213	.02	.001	3.3	.10	.011	.001
40214	.01	.001	3.2	.09	.011	.001
40215	.01	.001	4.3	.13	.002	.001
40216	.02	.001	3.1	.09	.001	.001
40217	.01	.001	3.5	.10	.001	.001
40218	.01	.001	3.0	.09	.005	.001
40219	.01	.001	2.9	.08	.015	.001
40220	.02	.001	3.2	.09	.006	.001
40221	.01	.001	2.8	.08	.002	.001
40222	.02	.001	2.5	.07	.003	.001
40223	.01	.001	3.2	.09	.008	.001
40224	.01	.001	3.3	.10	.014	.001
40225	.01	.001	3.3	.10	.006	.001
40226	.02	.001	3.0	.09	.004	.001
40227	.01	.001	2.7	.08	.001	.001
40228	.04	.001	2.6	.08	.013	.001
40229	.02	.001	2.7	.08	.005	.001
40230	.01	.001	2.8	.08	.007	.001
40231	.02	.001	2.5	.07	.004	.001
40232	.01	.001	2.4	.07	.002	.001
40233	.01	.001	2.9	.08	.006	.001
40234	.02	.001	2.8	.08	.002	.001
40235	.01	.001	2.9	.08	.005	.001
40236	.01	.001	2.8	.08	.003	.002

*AU - 1 ASSAY TON.

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FAX (604) 847-3005

Assay Certificate

1S-0944-RA2

Company: **AINSWORTH JENKINS HOLDINGS INC.**
Project: **POPLAR**
Attn: **BEN AINSWORTH**

Date: **OCT-18-91**
Copy 1. AINSWORTH JENKINS HLD., VANCOUVER, B.C.

We hereby certify the following Assay of 24 ROCK samples submitted OCT-15-91 by G.HOUSE.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
40237	.02	.001	3.6	.11	.011	.002
40238	.01	.001	3.2	.09	.016	.001
40239	.01	.001	3.4	.10	.013	.001
40240	.01	.001	3.3	.10	.022	.001
40241	.02	.001	2.9	.08	.010	.001
40242	.03	.001	3.1	.09	.016	.001
40243	.04	.001	2.4	.07	.012	.001
40244	.01	.001	2.8	.08	.010	.001
40245	.02	.001	2.2	.06	.006	.001
40246	.03	.001	3.4	.10	.021	.001
40247	.01	.001	3.4	.10	.014	.001
40248	.01	.001	4.8	.14	.010	.001
40249	.02	.001	2.9	.08	.004	.001
40250	.01	.001	3.1	.09	.118	.010
40251	.04	.001	3.6	.11	.154	.005
40252	.10	.003	3.0	.09	.263	.016
40253	.03	.001	3.7	.11	.100	.005
40254	.02	.001	3.9	.11	.094	.004
40255	.01	.001	4.1	.12	.084	.002
40256	.05	.001	4.3	.13	.136	.008
40257	.04	.001	4.6	.13	.139	.009
40258	.05	.001	3.5	.10	.178	.005
40259	.02	.001	5.2	.15	.154	.007
40260	.01	.001	3.9	.11	.148	.008

*AU - 1 ASSAY TON.

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FAX (604) 847-3005

Assay Certificate

1S-0944-RA3

Company: **AINSWORTH JENKINS HOLDINGS INC.**
Project: **POPLAR**
Attn: **BEN AINSWORTH**

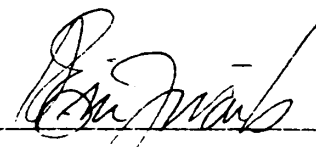
Date: **OCT-18-91**
Copy 1. AINSWORTH JENKINS HOLD., VANCOUVER, B.C.

We hereby certify the following Assay of 21 ROCK samples submitted OCT-15-91 by G.HOUSE.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
40261	.01	.001	3.0	.09	.105	.009
40262	.02	.001	3.8	.11	.201	.020
40263	.01	.001	3.0	.09	.152	.005
40264	.01	.001	2.6	.08	.096	.004
40265	.01	.001	2.4	.07	.100	.004
40266	.02	.001	3.6	.11	.138	.005
40267	.02	.001	2.7	.08	.101	.003
40268	.02	.001	4.0	.12	.121	.004
40269	.01	.001	2.8	.08	.083	.003
40270	.01	.001	2.7	.08	.112	.004
40271	.01	.001	1.6	.05	.126	.006
40272	.02	.001	3.5	.10	.115	.004
40273	.01	.001	3.1	.09	.116	.010
40274	.09	.003	3.6	.11	.363	.009
40275	.07	.002	3.8	.11	.291	.009
40276	.01	.001	2.6	.08	.130	.018
40277	.02	.001	2.9	.08	.109	.016
40278	.01	.001	3.0	.09	.123	.013
40279	.02	.001	3.2	.09	.092	.007
40280	.01	.001	2.8	.08	.021	.003
40281	.01	.001	2.9	.08	.002	.001

*AU - 1 ASSAY TON.

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APPENDIX III

ASSAY PROCEDURES

ASSAY PROCEDURES

Crushing and Splitting

At the laboratory each sample was crushed to -1/8 inch using jaw crushers and roll crushers after drying, the whole sample was then riffled on a Jones Riffle down to a statistically representative 300 - 400 gram sub-sample. The sub-sample was then pulverized in a ring pulverizer to 95% minus 120 mesh, rolled and bagged for as the "pulp" ready for analysis. The remaining reject from the Jones Riffle was bagged and is held in storage at the laboratory. The sub-samples were air-freighted to the main assay laboratory in Vancouver for analysis.

Copper and Silver Assay Procedure

The assay procedure for Copper and Silver involves taking and weighing a 2.000 gram sub-sample from the pulp bag for analysis. Each batch of 70 assays has a natural standard and a reagent blank included.

The assays are digested using a HNO_3 - KClO_4 mixture and when reaction subsides HCl is added to the assay before it is placed on a hotplate to digest. After digestion is complete the assays are cooled, diluted to volume and mixed.

The assays are analyzed on atomic absorption spectrometers using the appropriate standard sets. The natural standard digested along with this set must be within three standard deviations of it's known or the whole set is re-assayed. If any of the assays are >1% they are re-assayed at a lower weight.

Molybdenum Assay Procedure

A sub-sample is weighed from the pulp bag for analysis, usually 0.200 gram to 2.000 grams, depending upon estimated range of values. Each batch of 70 assays has a natural standard and a reagent blank included.

The assays are digested using a mixture of HNO_3 - KClO_4 and HClO_4 to dense white fumes. The assays are cooled, HCl added and reheated for 10 minutes. After digestion is complete the assays are cooled, 10 ml 20% AlCl_3 added, diluted to volume and mixed.

The assays are analyzed on atomic absorption spectrometers using a nitrous oxide - acetylene flame and the appropriate standard sets. The natural standard digested along with this set must be within 2 standard deviations of it's known or the whole set is re-assayed. If any of the assays are more than 1 percent they are re-assayed at a lower weight.

Gold Assay Procedure

The samples are assayed using a one assay ton sample weight of 29.166 grams taken from the pulp. The samples are fluxed, a silver inquart added and mixed. The assays are fused in batches of 24 assays along with a natural standard and a blank. This batch of 26 assays is carried through the whole procedure as a set. After cupellation the precious metal beads are transferred into new glassware, dissolved, diluted to volume and mixed.

These aqua regia solutions are analyzed on an atomic absorption spectrometer using a suitable standard set. The natural standard set fused along with this set must be within 3 standard deviations of it's known or the whole set is re-assayed. Likewise the blank must be less than 0.015 g/tonne.