ARIS SUMMARY SHEET

District Geologist, Smithers Off Confidential: 89.12.13

ASSESSMENT REPORT 18430 MINING DIVISION: Skeena

PROPERTY: Virginia K
LOCATION: LAT 56 17 00 LONG 129 53 00
UTM 09 6237751 445310
NTS 104A05W

CAMP: 050 Stewart Camp

CLAIM(S): Virginia K,Star,AM
OPERATOR(S): Glacier Res.
AUTHOR(S): House, G.
REPORT YEAR: 1988, 96 Pages
COMMODITIES SEARCHED FOR: Gold,Silver,Copper,Lead,Zinc
KEYWORDS: Hazelton Group,Volcanics,Intrusive,Granite,Faulting,Quartz veins
Pyrite,Sphalerite,Galena,Chalcopyrite

WORK DONE: Drilling,Geochemical,Geological
DIAD 455.8 m 6 hole(s);BQ
Map(s) - 5; Scale(s) - 1:2500,1:250
PETR 2 sample(s)
SAMP 76 sample(s) ;AU,AG,CU,PB,ZN

RELATED REPORTS: 16888
MINFILE: 104A 005,104A 006

SAWYER CONSULTANTS INC.

ASSESSMENT REPORT ON THE 1988 DRILL PROGRAM on the VIRGINIA K GROUP OF CLAIMS American Creek Area Skeena Mining Division, British Columbia

NTS 104 A/5W
Latitude 56°17'N
Longitude 129°53'W

for

Owner and Operator:
GOLDEN GLACIER RESOURCES INC.
#1108 - 409 Granville Street
Vancouver, B.C. V6C 1T2

by

Gordon D. House, M.S., F.G.A.C.
of
Sawyer Consultants Inc.

November 15th, 1988

Suite 701, 525 Seymour Street, Vancouver, B.C. V6B 3H7 Phone: (604) 669-6363

TABLE OF CONTENTS

List of Illustrations

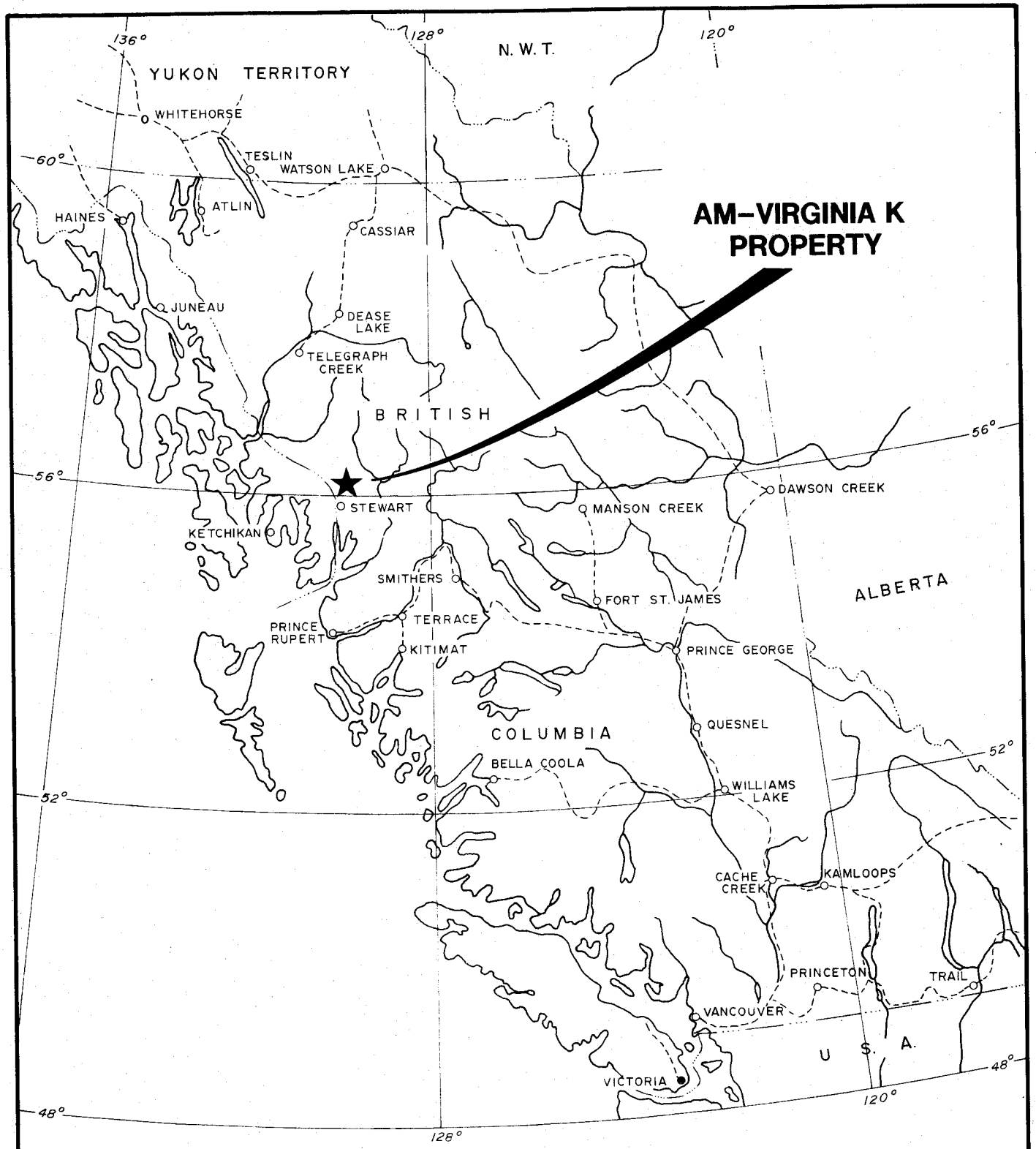
INTRODUCTION

The AM - Virginia K property is held under option by Golden Glacier Resources Inc. The property consists of 10 Reverted Crown Grants, the Virginia K Group, and 5 Modified Grid claims totalling 80 units, the AM Group. The property is located at the headwaters of American Creek and lies about 42 kilometres north of Stewart, British Columbia.

The mineralized showings on the property were first discovered in 1929 and were explored during the 1930s by surface trenching with limited underground development. There was intermittent exploration on the showings until the properties were consolidated under the ownership of Komody Resources Ltd. in 1980. Golden Glacier Resources Inc. optioned the property in 1986 and following reconnaissance exploration in August and September 1986, added an additional three claims totalling 44 units and a Reverted Crown Grant to the property.

In 1987 the recommended program of surface trenching by drilling and blasting with sampling of exposed mineralization delineated two mineralized veins in the area of surface alteration and veining discovered during the 1986 program. A program of diamond drilling was recommended to test the depth extensions of the mineralized veins. The drill program was carried out during August and early September 1988, after delays caused by the slow thaw of the heavy snow pack remaining from the winter of 1986-87.

This Report has been prepared for Golden Glacier Resources Inc. to discuss the 1988 drill program, recommendations are made for further exploration on the property.



GOLDEN GLACIER RESOURCES INC

AM-VIRGINIA K PROPERTY

SKEENA MINING DIVISION, B.C.

GENERAL LOCATION MAP

SCALE 1:8,000,000 approx.

SAWYER CONSULTANTS INC.

FIGURE 1

SUMMARY

The AM - Virginia K property is located on American Creek about 42 kilometers due north of Stewart, B.C. The property consists of 90 claims and units comprised of 10 Reverted Crown grants and 5 Modified grid claims totalling 80 units. Golden Glacier Resources Inc. have acquired joint ownership of the property under the 1986 option agreement and are operators of the joint venture exploration programs.

A reconnaissance exploration program carried out in 1986 outlined an area of alteration in the northwest quadrant of the property, north of the old Moonlight showings. A series of quartz carbonate veins within a zone of silicification and carbonatization returned significant values in gold and silver. A program of trenching by drilling and blasting with detailed sampling of exposed mineralization was carried out in 1987 and delineated several quartz carbonate veins over a strike length of from 300 feet to 400 feet (90 metres to 120 metres). The samples taken from these veins returned significant values in gold and silver. Recommendations were made for diamond drill testing of the veins.

Sawyer Consultants Inc. were retained to supervise the diamond drill program, carried out from August 18th to September 5th, 1988, after several weeks delay caused by the late thawing of the snow pack on the claims. The drill program consisted of 1495 feet of diamond drilling in six holes from three drill set-ups, using a light weight Hydracore drill rig and BQ drill tools. The movement of equipment on the property was by helicopters, based in Stewart, B.C. Minor delays were caused by weather unsuitable for flying.

The 1988 drill program confirmed the extensions of the quartz carbonate veins to depth, but the values returned from the veins were significantly lower than from surface samples of the same veins taken earlier. The lower values returned from the BQ drill core intercepts may be due to the smaller sample size, or the "nugget effect" associated with coarse or visible gold in quartz veins, or the supergene enrichment of the surface samples by manganese oxides scavenging precious metal values in the zone of oxidation.

This report was prepared at the request of the Directors of Golden Glacier Resources Inc. and describes the 1988 drill program carried out on the AM - Virginia K property. The results of the program are discussed and recommendations are made for a program of surface exploration utilizing new information, and for a contingent program of diamond drilling.

PROPERTY AND OWNERSHIP

The AM - Virginia K property consists of 5 Modified Grid claims totalling 80 units and 10 Reverted Crown Grants. The claims data is listed in Table 1 following.

The Virginia K Reverted Crown Grants and the AM-1 and AM-2 Modified Grid claims totalling 36 units were optioned by Square Gold Explorations Inc., the predecessor company to Golden Glacier Resources Inc., in 1986, from Komody Resources Ltd., the predecessor company to Fest Resources Inc. Golden Glacier Resources Inc. are the operators of the Joint Venture program and carried out a geological mapping, prospecting and sampling program during August/September 1986. The AM-3, AM-4 and AM-5 claims totalling 44 units, and the Virginia K Extension No. 1 Crown Grant were acquired at this time and added to the property.

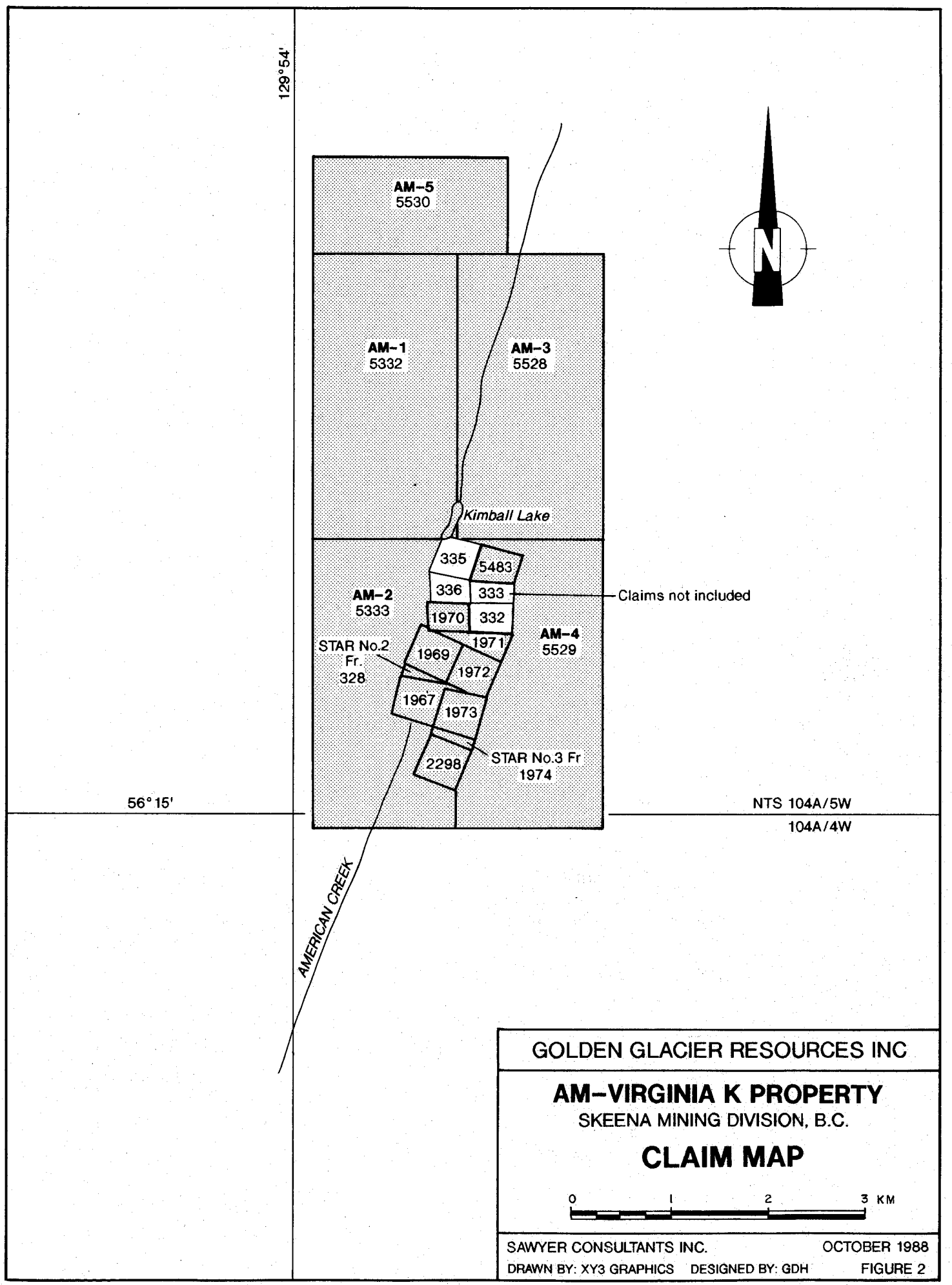
Table 1

Reverted Crown Grants	Lot No.	Record No.	Expiry Date
Virginia K No. 1	5810	2298	May 27, 1991
Virginia K No. 2	5812	1973	Jan. 14, 1989
Virginia K No. 3	5816	1972	Jan. 14, 1989
Virginia K Fraction No. 3	5817	1971	Jan. 14, 1989
Virginia K Extension No. 1	5822	5483	Aug. 18, 1991
Virginia K Extension No. 4	5819	1970	Jan. 14, 1992
Virginia K Extension No. 5	5815	1969	Jan. 14, 1989
Virginia K Extension No. 6	5813	1967	Jan. 14, 1989
Star No. 2 Fraction	5814	328	Oct. 1, 1989
Star No. 3 Fraction	5811	1974	Jan. 14, 1989
Modified Grid Claims	**No. of Units**	**Record No.**	**Expiry Date**
AM-1	18	5332	Apr. 22, 1992
AM-2	18	5333	Apr. 22, 1992
AM-3	18	5528	Sept. 26, 1989
AM-4	18	5529	Sept. 26, 1989
AM-5	8	5530	Sept. 26, 1989

LOCATION AND ACCESS

The AM - Virginia K property is located on the headwaters of American Creek, a south-flowing tributary of Bear River and lies about 42 air kilometres north of the town of Stewart, B.C. The property is centred on latitude 56°17'N and longitude 129°53'W, shown on topographic map NTS 104A/5.

The claims cover both sides of American Creek and are roughly centred on Kimball Lake, a small Lake on American Creek. The Virginia K Reverted Crown Grants lie on the east side of American Creek south of Kimball Lake, the old Moonlight prospect lies west of the creek to the west of Kimball Lake.


129°54'
AM-5
5530
AM-1
5332
AM-3
5528
Kimball Lake
335
5483
336
333
Claims not included
AM-2
5333
1970
332
AM-4
5529
1971
STAR No.2
Fr.
328
1969
1972
1967
1973
STAR No.3 Fr
1974
2298
56°15'
NTS 104A/5W
104A/4W
AMERICAN CREEK
N
GOLDEN GLACIER RESOURCES INC
AM-VIRGINIA K PROPERTY
SKEENA MINING DIVISION, B.C.
CLAIM MAP
0
1
2
3 KM
SAWYER CONSULTANTS INC.
OCTOBER 1988
DRAWN BY: XY3 GRAPHICS
DESIGNED BY: GDH
FIGURE 2

Access to the property at present is by helicopter from Stewart, B.C. A pack-horse trail some 17 kilometres long was constructed to the Virginia K and Moonlight properties in the early 1930s from the Bear River, but has long since fallen into disrepair and disuse. The retreat of the American Creek glacier over the past 20 years has opened up a possible surface access route along a series of fault controlled benches and ridges on the west side of American Creek. Several areas on this route may require rock work, there has been no ground evaluation of the route to this time.

PHYSIOGRAPHY

The property is located in the Boundary Ranges of the Coast Mountain Physiographic terrane. Extensive permanent snowfields and glaciers cover much of the higher ground. The mountains are up to 8,500 feet (3,000 metres) high, the valley sides are steep to precipitous reflecting recent emergence from mountain glaciation. A hanging glacier flowing off Bear River Ridge, about 9 miles (14 kilometres) south of the property, occupied the floor of the valley up to 50 years ago, causing problems of access to the early workers on the property. The American Creek glacier as it was known, has since retreated up the valley side and presently terminates at about 4,500 feet (1,400 metres) elevation, as a perched glacier.

The valley of American Creek is steep-sided, with elevations on the property ranging from 3,000 feet (914 metres) at Kimball Lake, to more than 6,500 feet (1,900 metres) along the ridges. The topography on the west side of American Creek near the headwaters is more subdued with a number of benches and ridges locally marked by small patches of scrubby spruce occupying areas away from avalanche trails and snow chutes.

The weather is typical of the northern Coast Mountains with heavy winter snowfall and associated extreme avalanche and snowslide danger. The summers are generally cool and wet with snow occurring on the mountains in any month of the summer. The lower slopes on the property are partially snow free in mid August, snowfall commences in late September and starts accumulating by mid to late October.

The property is available for surface exploration work from mid August until mid October each year, this is dependent on the previous winter's snow pack and the rate of snow melt in the spring and early summer. Large patches of snow can remain all year in some locations.

HISTORY AND PREVIOUS WORK

The mineralized showings at the head of American Creek were discovered by D.D. Kimball in 1929, the Excelsior Prospecting Syndicate was formed in 1930 to explore the showings at both the Virginia K and the Moonlight properties. A pack-horse trail was completed to the properties in 1932.

Exploration work continued on both properties to 1935 when limited mining was carried out on the Virginia K claims. Discoveries of

spectacular pockets of native gold were made on the Moonlight property in 1936 and 1937, with underground development carried out from 1938 through 1939. The Great North Mining Company carried out trenching and x-ray diamond drilling on the Moonlight group of claims in 1955. Trail work was completed and a cabin erected on the access trail and beside the workings on the Moonlight vein.

The Virginia K Group was explored by diamond drilling in 1956, when Canex Exploration Ltd. optioned the property. Frontier Exploration Inc. carried out further prospecting, trenching and sampling of the Moonlight vein area in 1966. In 1979 Tournigan Mining Exploration Ltd. carried out mapping and sampling of the Moonlight vein and reconnaissance mapping of the surrounding area.

In 1980 Komody Resources Ltd. acquired the Reverted Crown Grants on the Virginia K property and during the course of exploration work a high grade vein was discovered. A 1,500 lb. bulk sample, averaging 182 ounces per ton silver, was mined and shipped to the smelter.

Komody Resources Ltd. consolidated the Moonlight and adjoining Bugnello claims under the same ownership as the Virginia K property in 1981, carrying out some limited exploration each year. The Moonlight vein was leased for high-grading in 1984, and it was reported that further spectacular finds of arborescent gold were made by the lessors.

In 1986 the AM-1 and AM-2 modified grid claims were staked to cover the lapsed Moonlight and Bugnello claims. The property comprising the Virginia K Group of Reverted Crown Grants and the AM-1&2 claims was acquired under option by Square Gold Exploration Inc. A program of geological mapping, prospecting and sampling was carried out over the Moonlight and Bugnello mineral occurrences on the west side of American Creek, where several veins carrying gold and silver mineralization were discovered to the north of the old Moonlight vein. Additional modified grid claims were staked, the AM-3, AM-4 and AM-5, totalling 44 units, a Reverted Crown Grant was acquired, and added to the Joint Venture property.

The results of the 1986 program were sufficiently encouraging for recommendations to be made for a program of trenching and sampling on the new vein discoveries, and for additional geochemical soil sampling and geological mapping. During August 1987 a 12 foot x 16 foot cabin was constructed near the mineralized vein showings on a bench about 1,200 feet (365 metres) above creek level. An extensive program of trenching and sampling was carried out over the newly discovered mineralized veins, as well as some geological mapping and geochemical soil sampling on the AM-3 and AM-4 claims. The program was terminated by heavy snow in early October 1987.

The 1987 program outlined two gold/silver bearing veins in some detail, the veins are up to 3.0 feet (0.9 metres) wide and were traced over 300 feet to 400 feet (90 metres to 120 metres) along strike. Mineralization consists of quartz-siderite veins carrying sphalerite, galena and chalcopyrite. A program of diamond drilling was recommended to test the down dip extensions of the veins.

GEOLOGY

Regional Geology

The Stewart area is underlain by a north to northwest trending assemblage of upper Triassic to lower Jurassic volcanic and sedimentary rocks of the Hazelton Group occurring in an island arc complex, capped by middle Jurassic marine basin turbidites of the Bowser Lake Group on the east. The sub-aerial volcanic pile is constructed of differentiated andesitic to dacitic calc-alkaline volcanics with interbedded sedimentary facies. Variations in the volcanic facies mapped by recent workers in the area indicate that volcanic vents and palaeotopographic highs were centred at Mount Dilworth and at Lay Lake on Bear River Ridge lying west of the AM-Virgina K property. It is likely that other volcanic centres were located nearby.

The stratovolcano of the island arc complex was underlain by a coeval, epizonal subsidiary magma chamber at a depth of about 2 kilometres. Late stage magmatic, bimodal feldspar-porphyry feeder dykes and volcanic rocks cut up through the entire andesitic sequence and were extruded at the surface. The exposed coeval intrusives are the Texas Creek batholith and the Summit Lake stock, the dyke phase of the Texas Creek batholith is known as the Premier Porphyry in the mining camps.

A younger intrusive suite, the Hyder Quartz Monzonite of middle Eocene age, outcrops in the Stewart area, including a batholithic phase as well as several minor plugs and a widespread dyke phase termed the Hyder Dykes. These Tertiary intrusives lie within the eastern margins of the Coast Plutonic Complex while the smaller stocks and dykes have been considered satellites of the Complex.

The Stewart area lies near the boundary of the Cordilleran Intermontane Belt and the Coast Plutonic Belt. The major structural deformation of the area may be related to plate tectonics and collision, the volcanics were deformed along major northerly trending fold axes and later intruded by stocks and batholiths of granitic rocks. Later deformation and faulting was accompanied by granitic intrusions during the early Tertiary.

The mineral deposits of the Stewart area were responsible for much of the past economic activity in the area and account for most of the present activity. The mineral deposits have been the focus of ongoing studies by provincial and federal Geological Surveys, such as Alldrick (1982-1988), and Anderson (1983-1988). The majority of the deposits consist of precious metal veins, which are late stage to post-intrusive epithermal veins emplaced in the andesitic to dacitic host rocks of the upper Triassic to lower Jurassic stratovolcanic complex of the Hazelton Group. The veins are spatially related to the coeval Texas Creek Granodiorite stocks.

A second system of silver-rich galena-sphalerite-freibergite veins in the area appears to be related to the intrusion of Eocene-age biotite-granodiorite stocks and dykes of the Hyder Quartz Monzonite.

Local Geology

The AM - Virginia K property covers the headwaters of American Creek north of Kimball Lake. The property is underlain by a north-northwest trending assemblage of Hazelton Group volcanic and sedimentary units deformed along major northerly trending fold axes. The northern section of American Creek follows the course of a major fault trending about 014°, while further south the creek lies near the axial plane of the major American Creek anticlinal structure which trends north-northwest.

The claims are underlain by the faulted core of the American Creek anticlinorium, exposing the lowest units of the Hazelton Group along the creek. The units consist of dark grey to black argillites associated with interbedded limestone units on the Virginia K group of Reverted Crown Grants. On the west side of the creek the basal argillite unit is succeeded upwards by interbedded siltstones and argillites. The siltstones contain some Bouma sequences and represent a turbidite facies of sedimentation. This unit is succeeded upward on the west side of the valley by an assemblage of green and maroon fragmental volcanics including volcanic tuffs, agglomerates and volcanic flow rocks.

The anticlinorium was much affected by faulting, the major north trending fault underlying the claim block crosses the axis of the anticlinorium obliquely, and apparent axial plane faults or shears strike parallel to the fold axes. The majority of these northerly trending strike slip or axial plane faults do not appear to have had much displacement but some have acted as the focus for a series of major faults roughly paralleling the main American Creek fault zone. The faults have also acted as zones of weakness for emplacement of the intrusive dykes evident on the west side of the valley and for the associated zones of silicification and carbonate alteration.

A series of roughly parallel east-west faults strike across the anticlinorium and the major north-south fault zones. The east-west faults are believed to be later than the major north-south faults and are certainly later than the westerly dipping quartz carbonate veins and vein systems. The two fault systems appear to have had a block faulting effect on the stratigraphic units underlying the property, more detailed surface mapping will be required to determine the size and extent of the fault blocks.

The mineralization of interest occurs with quartz, quartz siderite and quartz calcite veins within zones of alteration in volcanic tuffs underlying the AM-1 claim on the northwest portion of the property. The quartz veins were discovered along strike from the Moonlight vein during the late 1930s, and were known as the Bugnello showings. Three x-ray drill holes were put down in 1955 on a quartz carbonate vein within the present area of interest, the holes were all drilled to the west.

Reconnaissance geological mapping and sampling during the 1986 program discovered a series of west dipping quartz and quartz carbonate veins in the general area of the old Bugnello showings. The 1987 exploration program of geological mapping, drilling and blasting of trenches and sampling of the exposed mineral occurrences on these veins successfully outlined, in some detail, two gold/silver bearing quartz veins up to 3.0

feet (0.9 metres) wide and from 300 feet to 400 feet (90 metres to 120 metres) along strike. The veins disappear under talus to the north and appear to weaken or have been cut off by faulting to the south.

The mineralization occurs as pyrite, sphalerite, galena and chalcopyrite within quartz carbonate veins, in a zone of silicification and carbonate alteration apparently related to intrusive dykes. The veins are vuggy in part with crystalline quartz and sulphides occurring within the vugs. Mineral relationships and structure within the veins indicate there was more than one episode of emplacement. The veins are heavily manganese stained and surface oxidation of sulphides has occurred. The carbonate occurring in the quartz carbonate veins is light brown in colour, usually crystalline and has been identified as siderite, an iron carbonate. The zones of buff weathering alteration within the area of interest had been considered due to silicification and some carbonatization of the original volcanic tuffs, however the primary alteration mineral has been identified as ankerite and occurs with some silicification. Ankerite is an iron manganese carbonate and this may be the source of the manganese staining within the oxidized zone.

There were several episodes of quartz veining in the area, ranging from tectonic gash veins of limited extent to quite large veins of bull quartz related to metamorphism, and quartz to quartz carbonate veins with variable strike and dip. The quartz siderite veins of economic interest within the main area of the Bugnello showing are north-south striking and dip to the west at moderate angles. Surface expressions of these westerly dipping quartz veins has shown the veins pinching and swelling along strike to widths of over 3.0 feet (1.0 metre) with crosscutting by later east-west striking quartz veins. The majority of the veins occur within altered volcanic tuffs but similar veins have been noted within the siltstone/argillite sequences.

A highly altered dyke of fine grained granodiorite occurs west of the main exposure of Vein No. 1, with extensive disseminated pyrite mineralization. Further south the granodiorite dyke can be seen to dip moderately west and contains a west dipping quartz carbonate vein up to 2.0 feet (0.6 metres) in width cutting obliquely across the dyke. We are unaware whether this vein was sampled during the 1987 program but it demonstrates that the westerly dipping quartz carbonate veins postdate the intrusive granodiorite dykes.

1988 DRILL PROGRAM

A diamond drilling program totalling 1496 feet (456 metres) in six holes, drilled from three set-ups, was carried out on the AM-1 claim of the AM - Virginia K Group of claims. The drill program was designed to test the down dip extensions of two gold/silver bearing quartz veins delineated by the 1987 program of trenching and sampling. The area of the quartz veins was discovered during the 1986 exploration program and consists of an area of alteration cut by a series of westerly dipping quartz carbonate siderite veins carrying interesting values in gold and silver. The drill program was recommended in the Report on the AM 1 and 2 and Virginia K Group of claims

for Glacier Resources Inc. by J.W. Murton and Associates dated November 20, 1987.

The AM - Virginia K property was visited on July 30, 1988, but the program had to be delayed because of the heavy snow cover remaining from the winter. The program was postponed and was initiated on 18th August 1988. The drill equipment and personnel were moved onto the property on 21st August 1988, diamond drilling commenced on 22nd August 1988.

The area recommended for drill testing is located at about 4,200 feet (1,300 metres) elevation and because of the remaining snow cover the first drill station had to be located further south than proposed. The drill station, Set-up No. 1, was located at Station 2+66N 0+92E.

Two holes were drilled from Set-up No. 1 on an azimuth of 090° and dip of -50° and -60°. The two drill holes intercepted strongly altered fragmental volcanics and tuffs as well as relatively unaltered fragmental volcanics and maroon hematitic volcanic tuffs. Interbedded siltstones and argillites were intercepted at depth with obvious shear or fault controlled contacts. The geology is shown on the Drill Cross Sections, Figure 4.

Drill Set-up No. 2 was located close to the recommended location, sufficient snow had melted off in three days to permit the building of the set-up. The set-up was located at 3+55N 0+95E, two holes were drilled on azimuths of 085° and dips of -50° and -70°. Both drill holes intercepted a series of quartz carbonate veins down dip from the surface exposures trenched and sampled in the 1987 program. The geology is shown on Figure 5, Cross Section of the Drill Holes.

Drill Set-up No. 3 was located at 3+40N 1+96E and was designed to test Vein No. 2 to depth. DDH 88-5 was drilled at -50° on an azimuth of 110° and was collared in siltstones and argillites, entering altered volcanic tuffs and crystal tuffs at 115.0' (35.0m) which continued to 180.5' (55.0m). Interbedded siltstones and argillites were intercepted to the end of the hole at 193.0' (58.8m). The drill hole details are illustrated in Figure 6.

DDH 88-6 was drilled at -50° but on an azimuth of 080°, and was collared in siltstone and argillite, entering altered volcanics at 69.0' (21.0m), continuing to 190.0' (58.0m). Interbedded siltstones and argillite were intercepted to the end of the hole at 198.0' (60.3m). The drill hole details are shown in Figure 7.

The diamond drill program was carried out by Len's Drilling Ltd. of Princeton, B.C., using a Hydracore drill rig and utilizing BQ wireline drill tools. The drill core was logged, sampled and split at the drill site using a Longyear wheel type core splitter.

Split samples were bagged, tagged and delivered to Bondar-Clegg & Company Ltd. of North Vancouver, B.C. The samples were fire assayed for gold and silver with screening for metallics carried out on the total sample pulverized to 150 mesh. The -150 mesh material was fire assayed using one assay ton aliquots. Copper, lead and zinc were assayed normally by wet chemical methodology.

The drill and personnel were mobilized to the property on 21st and 22nd August 1988 using Vancouver Island helicopters based at Stewart, B.C. Bell 205B and Bell 206B helicopters were used for mobilization. The Bell 205B has a lift capacity of some 3,500 lbs. at sea level and moved the drill equipment, camp and groceries to the property in five sling loads.

The personnel were demobilized from the camp on 2nd and 3rd September 1988, using a Bell 206B helicopter. The drill and equipment as well as the drill camp were demobilized to Stewart on 5th September 1988.

DISCUSSION OF RESULTS

The results of the 1988 diamond drill program to test the two quartz veins delineated by surface exploration in the 1987 program are disappointing in that the grades in the quartz carbonate veins were significantly lower than the grades returned on surface samples. The drill program was successful in intercepting several quartz carbonate veins which were not previously known from surface exploration. The drilling has also provided much more information on the structure of the property by showing the effect of faulting and shearing on the stratigraphic and structural relationship of the volcanic tuffs and agglomerates to the siltstone/argillite sequences. It now appears that north-south faulting has played an important part in breaking the western limb of the American Creek anticlinorium into segments or blocks, which have been broken further into fault blocks by the strong east-west shearing and faulting observed in the 1987 program.

The 1988 program has shown the quartz carbonate veins to be continuous down dip from the surface exposures, and that the veins pinch and swell down dip as well as along the strike. The alteration as shown by the drilling is more extensive than expected from surface exploration, the type of alteration is rather different from the silicification and carbonatization indicated by surface mapping. The alteration is predominantly ankeritic, with ankerite occurring as the principal carbonate in the altered volcanic tuffs. The carbonate occurring in the quartz carbonate veins is mainly siderite with lesser calcite, while calcite appears to be associated with the vuggy, late stage veining. The mineralization in the westerly dipping quartz siderite veins hosting the gold/silver values consists of pyrite, sphalerite, galena and chalcopyrite as well as silver bearing minerals, not observed during the core logging.

CONCLUSIONS AND RECOMMENDATIONS

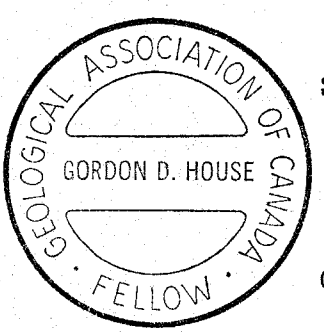
The 1988 diamond drill program on the AM - Virginia K property has confirmed the presence of gold/silver bearing quartz-carbonate-siderite veins to depth. The veins are associated with complex zones of ankeritic carbonatization and silicification of fragmental volcanics and volcanic tuffs, apparently related to late stage intrusive dykes of Tertiary age. These dykes are superimposed on earlier intrusive dykes related to the complex structural features of the area. These intrusive and structural relationships are complicated by later east-west faulting of the major north-south fault systems along the American Creek anticlinorium.

The results of the drill program are encouraging and show that the property has the potential to host significant gold/silver mineralization in a series of quartz carbonate veins related to late stage intrusive events overprinting earlier episodes of mineralization. The late stage epithermal events are believed related to the Hyder intrusive suite of Tertiary age, the earlier mineralization was associated with the Texas Creek batholith and the subvolcanic Premier Porphyry intrusive dykes.

We recommend that a program of detailed surface exploration, mapping and sampling be carried out on the property, in order to delineate structures. We recommend that further diamond drilling be undertaken once the surface mapping program has outlined the structural controls and the locations of the important mineralized quartz carbonate veins are known. We would strongly recommend that the drill set-ups be prepared in advance of the commencement of the drilling program, in order to avoid delays and problems in locating drill set-ups.

The snow pack on the property and in the area should be monitored from July onwards in order to allow the surface exploration to commence as soon as the major part of the snow pack has thawed. The limited field season available on the property may result in the Phase II program being delayed until the following season.

Respectfully submitted,



SAWYER CONSULTANTS INC.

Gordon D. House, M.S., F.G.A.C.

STATEMENT OF COSTS INCURRED

1988 EXPENDITURES

Labour

Geology, Engineering, Supervision and Report (July 29 to 30, 1988, Aug. 17 to Sept. 5, 1988, and Oct. 23 to Nov. 3, 1988)	$13,656.59
Diamond Drilling - 1,495 feet BQ	41,807.91

Consumables

Helicopter Charter	13,743.75
Travel, Food, Accommodation (Aug. 17 to 21, 1988, Sept. 3 to 5, 1988)	1,790.09
Expediting Services, Radios (Aug. 18 to Sept. 3, 1988)	726.09
Assaying (76 samples, assayed for Au, Ag, Cu, Pb, Zn, screened for metallics)	3,762.00
Report preparation, secretarial, etc.	1,775.88
Total Expenditures	**$77,262.31**

GEOLOGICAL ASSOCIATION OF CANADA
GORDON D. HOUSE
FELLOW

SAWYER CONSULTANTS INC.

Gordon D. House, M.S., F.G.A.C.

CERTIFICATE OF QUALIFICATIONS

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

1. That I am a Consulting Geologist and President of Sawyer Consultants Inc., with business office at Suite #701, 525 Seymour Street, Vancouver, British Columbia, V6B 3H7.

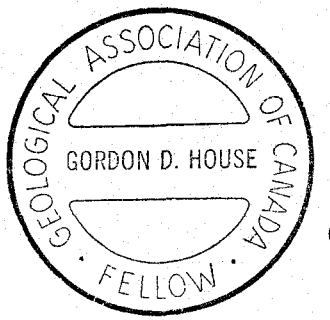
2. That I am a Graduate of Trinity College, Dublin, in 1961, with a B.A. in Honors Natural Science - Geology. I received a M.S. degree in Geology from the University of Alaska, Fairbanks, in 1980.

3. That I am a Member of the Institution of Mining and Metallurgy, London, since 1964, 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, Ontario, Nova Scotia, Alaska, Arizona, California, Nevada, Oregon, Idaho, and Mexico. I have undertaken professional visits to Germany, Australia, New Zealand, Fiji, and South Africa.

5. That the information, opinions and recommendations in this report are based on work carried out by me on the property from July 30, 1988 to September 3, 1988, on Reports on the property by J.W. Murton & Associates, on a review of the literature on the area, and on personal knowledge of the geology and mineral deposits of the area from work in the Stewart area since 1965.

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 Golden Glacier Resources Inc., or Fest Resources Inc., nor any interest in the shares or securities of Golden Glacier Resources Inc., or Fest Resources Inc., or any associated or affiliated companies, nor do I expect to receive any such interest.



Gordon D. House, M.S., F.G.A.C.

Dated at Vancouver, British Columbia this 15th day of November, 1988.

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APPENDIX I

Diamond Drill Logs 88-1 to 88-6 inclusive

COLLAR:	HOLE SURVEY		
Metric: 2+68N	METHOD: -		
0+93E	FOOTAGE	AZIMUTH	DIP
ELEVATION 4200' ASL	0	090°	-50°
CORE SIZE BQ			
LOGGED BY Gordon D. House			
DATE LOGGED Aug. 23-24, 1988			
MAP REFERENCE No. 104 A/5			

Diamond Drill Record

SAWYER CONSULTANTS INC.

COMPANY NAME GOLDEN GLACIER RESOURCES INC.
PROPERTY NAME American Creek/AM - Victoria-K
DRILLING CONTRACTOR Len's Drilling Ltd.
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE To test depth extension of surface veining

HOLE No. 88-1
CLAIM NAME No. AM-1
COMMENCED Aug. 22, 1988
FINISHED Aug. 24, 1988
FINAL DEPTH 303.0' 92.35m
PROJECT No.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	No.							
0 0	1.8m 6.0'	0.9m 3.0'	Casing.											
1.8m 6.0'	5.5m 18.0'	3.05m 10.0'	Bleached, very light green coloured, porcellaneous, fine grained,											
			altered, fragmental, volcanic, much disseminated pyrite giving											
			speckled appearance, quartz carbonate veining at from 30° to 60°											
			to core axis, mostly narrow to 5-10 mm, very fine quartz stringer											
			stockwork throughout.											
			6.0'-8.0' - oxidized, leached quartz vein, vuggy at 30° to core											
			axis.											
			8.0'-12.0' - very pale green speckled porcellaneous altered											
			volcanic, much disseminated pyrite to 7%, series quartz carbonate											
			veinlets to ½" at 8.5', 10.0', 11.0', 11.5', rust on fractures.											
			12.0'-15.0' - slightly silicified, bleached with quartz carbonate											
			veins carrying sphalerite, galena, pyrite, much disseminated											
			pyrite to 10%, veins at from 30° to 45° to core axis.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 23-24, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
1.8m 6.0'	5.5m 18.0'	(cont.)	15.0'-18.0' - slightly coarser grained, fine quartz stringers at					
			angles, 1-3 mm, disseminated pyrite to 10%. 15.1' - 1" quartz					
			vein, minor carbonate, at 60° to core axis, barren. 16.0' - barren					
			½" quartz vein at 45° to core axis. 17.0' - ½" quartz carbonate					
			vein at 80° to core axis, galena, sphalerite, honey coloured to					
			near black sphalerite. 17.8' - ½" quartz vein.					
5.5m 18.0'	9.0m 29.5'	3.5m 11.5'	Silicified, quartz veined shear zone at 10°-15° to core axis, in					
			bleached, altered, fragmental volcanic, alteration decreasing to					
			29.5', texture fine grained, porcellaneous to coarser, darker					
			coloured - from very pale green-brown to light green, quartz					
			stringer veins at medium-high angles to core axis, disseminated					
			pyrite decreasing to 29.5'.					
			18.5'-20.0' - healed shear zone, oxidized leached sulphides,					
			quartz veined, on shears at 5° to 10° to core axis, light brown					
			effervescent siderite/ankerite carbonate on vein margins, minor					
			disseminated pyrite to L5%.					
			20.0'-26.0' - fine grained, porcellaneous light green-brown,					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 23-24, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
5.5m 18.0'	9.0m 29.5'	(cont.)	disseminated pyrite to 5%, quartz veins at 20.5' at 60° to core					
			axis, at 21.4' at 80° to core axis - 1" quartz - barren, at 22.5'					
			at 30° to core axis, at 23.5' at 30° to core axis - all barren.					
			26.0'-27.0' - healed shear - quartz carbonate veined at 30° to					
			core axis, - cross fracture at 70° to core axis puts jog in vein					
			to 20° to core axis - barren.					
			27.0'-29.5' - medium green fragmental volcanics, andesites, tuffa-					
			ceous matrix, cut by quartz carbonate stringers at 70° to core					
			axis. Minor disseminated pyrite fragments decrease in size to					
			29.5', alteration very slight from 27.0' on.					
9.0m 29.5'	12.5m 41.0'	3.3m 11.0'	Dark green, fine-medium grained fragmental volcanic, tuffaceous					
			in part, bleached, pyritic fragments containing to 20% disseminated					
			pyrite, much quartz stringers, generally at high angles from 50°-75°					
			to core axis.					
			33.0'-34.0' - quartz stringers at 40° to core axis, healed breccia					
			zone, quartz stockwork stringer zone, minor disseminated pyrite					
			associated.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 23-24, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
9.0m 29.5'	12.5m 41.0'	(cont.)	37.0'-39.0' - tuffaceous andesite, fragments to ¼"-½" only in					
			very fine matrix, several parallel quartz stringers ½" thick, at					
			30° to core axis.					
12.5m 41.0'	13.6m 44.5'	1.1m 3.5'	Bleached, altered, partly silicified kaolinized fragmental volcanic					
			fragments perfectly preserved, shear zone 42.5'-43.3' with quartz					
			carbonate veining at 45° to core axis, minor quartz veining with					
			sideritic carbonate and black manganese? stringers.					
			42.0'-43.3' - shear zone at 40°-45° to core axis, quartz ankerite/					
			siderite vein to 2.5" at 42.5'.					
			44.0' - contact between fine grained tuff and coarser lapilli tuff.					
13.6m 44.5'	18.7m 61.5'	5.2m 17.0'	Medium-dark green, medium grained fragmental volcanic tuff, lapilli					
			tuff to fragments to several inches across, quartz veined, breccia					
			zones, healed quartz carbonate stringers, variable disseminated					
			pyrite.					
			44.5'-50.0' - coarse fragmental tuff/volcanic, slight bleaching of					
			some fragments, much disseminated pyrite in fragments.					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
13.6m 44.5'	18.7m 61.5'	(cont.)	50.0'-55.0' - brecciated shear zone, quartz carbonate stringers to					
			¼" at 20° to core axis, much disseminated pyrite - to 10% but					
			stringer at 5°-10° to core axis from 51.0'-53.0', quartz vein at					
			55.0' at 30° to core axis, rusty.					
			58.0'-59.0' - shear, brecciated, quartz carbonate veins/stringers					
			at 60° to core axis, kaolinized? gougey clay.					
			59.0'-61.5' - bleached/altered fragmental tuff, brecciated, quartz					
			carbonate stringers at 50°-65° to core axis. Shear/quartz carbonate					
			vein at 30° to core axis - cuts off breccia zone.					
18.7m 61.5'	22.8m 75.0'	4.4m 16.0'	Green fragmental volcanics, tuff, andesite fragments, cut by series					
			quartz carbonate veins, altered bleached breccia zone with quartz					
			carbonate veining at from 20°-30° to core axis, disseminated pyrite.					
			63.0' - 2" barren quartz carbonate vein at 80° to core axis,					
			similar at 63.5'.					
			63.5'-64.0' - bleached altered fragmentmental volcanics, dissemi-					
			nated pyrite.					
			64.0'-67.0' - healed shear zone, disseminated pyrite in volcanics,					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
18.7m 61.5'	22.8m 75.0'	(cont.)	quartz carbonate vein to 6" at 40° to core axis, cut by quartz					
			carbonate veins to ½" at 80° to core axis.					
			66.0' - shear plane, quartz carbonate vein, at 30° to core axis.					
			70.0' - 2" quartz carbonate vein at 20° to core axis in fragmental					
			volcanics.					
			72.0'-72.5' - large cubic blebs of pyrite to ¼" in matrix,					
			tuffaceous, of fragmental volcanics.					
			73.0' - quartz carbonate vein at 20° to core axis, pyrite stringer					
			at 85° to core axis.					
22.8m 75.0'	30.5m 100.0'	7.6m 25.0'	Medium to dark green fragmental volcanics, quartz carbonate					
			stringers and veins, bleached, altered brecciated zones,					
			hematitic - maroon coloured matrix in part, variable disseminated					
			pyrite.					
			75.0'-75.5' - quartz carbonate vein, barren, sheared chloritic					
			volcanic material incorporated in part.					
			75.5'-79.5' - fragmental volcanics, disseminated pyrite, blebs to					
			1/8", quartz carbonate vein at 78.5' at 45° to core axis.					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
22.8m 75.0'	30.5m 100.0'	(cont.)	79.5'-80.5' - bleached altered fragmental volcanics, shear, quartz					
			carbonate veining at 25° to core axis, breccia filling yellow					
			carbonate at 79.8'-80.0'. Footwall contact at 75° to core axis.					
			80.0'-80.2' - pale red, maroon coloured alteration to fragmental					
			volcanics.					
			83.0'-85.5' - bleached, altered fragmental volcanics, disseminated					
			pyrite cut by quartz carbonate veins at 75° and 20°. 83.0' - ½"					
			vein at 75°.					
			84.7'-85.0' - brecciated fragmental volcanics, red/maroon hematitic					
			alteration breccia zone with quartz carbonate veining at 75° to					
			core axis.					
			88.0'-89.0' - narrow quartz carbonate veins at 80° to core axis.					
			90.0' - quartz carbonate vein at 15° to core axis.					
			92.0' - quartz carbonate vein at 30° to core axis.					
			95.0' - quartz carbonate vein at 85° to core axis.					
			99.0' - quartz carbonate vein at 85° to core axis.					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
30.5m 100.0'	36.0m 118.0'	5.3m 17.5'	Dark green, fine grained, fragmental volcanics, much quartz					
			stringers at 70° to core axis, disseminated pyrite, barren quartz					
			carbonate veins, becoming bleached altered, quartz veined and					
			broken ground.					
			100.0'-109.0' - dark green fragmental volcanics, quartz stringers					
			at 70° to core axis throughout, very minor pyrite, occasional blebs					
			and stringers, tuff layers or fragments at 106.0'. Slightly					
			porphyritic - relict feldspar porphyries from 105.0'-108.0',					
			suggestion of feldspathization from 107.0'-109.0'.					
			109.0'-110.5' - lighter green fragmental volcanics, quartz					
			carbonate shear at 109.0' at 25° to core axis, becoming more					
			bleached, altered to 110.5', increased pyrite content.					
			110.5'-111.2' - large barren quartz carbonate vein at 70° to core					
			axis, selvedge on footwall.					
			111.2'-116.0' - broken, medium green fragmental volcanics, quartz					
			stringers and veins at 60°-70° to core axis, quartz vein, vuggy					
			at 114.5', barren.					
			116.0'-118.0' - becoming bleached to very light green-brown,					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
30.5m 100.0'	36.0m 118.0'	(cont.)	porcellaneous, relict fragmental/tuffaceous texture, increased					
			pyrite, quartz carbonate veins at 85° to core axis at 117.0', and					
			117.5'.					
36.0m 118.0'	42.8m 140.5'	6.4m 21.0'	Bleached, altered, fine grained volcanic tuff, quartz carbonate					
			veined, broken ground, clay gouge in part, healed shear with					
			quartz carbonate - siderite veins, much sheared and quartz stringer					
			filled dark green dyke? - very broken and rusty planes, 10% quartz					
			carbonate filled breccia shear zone, to dark green fragmental					
			volcanics.					
			118.0'-124.5' - shear zone, brecciated, altered, clay gouge and					
			breccia at 119.5' and 123.0' at 60° to core axis, broken ground					
			between with clay filled thin fractures, very bleached, leached					
			quartz carbonate stockwork - pyrite only at 123.5'-124.5'.					
			124.5'-128.5' - light green, fine grained, volcanic tuff, slightly					
			altered quartz stringers, broken ground 128.0'-128.5'.					
			128.5'-134.0' - dark green, fractured, quartz stringers, fragmental					
			volcanics.					

Diamond Drill Record

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HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
36.0m 118.0	42.8m 140.5	(cont.)	134.0'-135.0' - quartz carbonate filled breccia zone, barren.					
			135.0'-140.5' - dark green fragmental volcanics, fragments to 3"-4"					
			across in fine grained tuffaceous matrix, disseminated pyrite,					
			minor quartz carbonate stringers at higher angles to core axis.					
42.8m 140.5	50.6m 166.0	7.6m 25.0'	Dark green fragmental volcanics, light green tuffaceous volcanics,					
			quartz carbonate veins and stringer zones - healed shears, shear					
			breccia zones.					
			140.5'-143.0' - medium green fragmental volcanics, quartz carbonate					
			vein at 70° to core axis at 142.0'.					
			144.0'-145.0' - healed shear filled quartz carbonate stringers and					
			included sheared country rock at 40° to core axis, much disseminated					
			pyrite - to 10%, lapilli tuff.					
			145.0'-148.0' - fragment size increasing, increased quartz carbonate					
			stringers at 70° to core axis.					
			148.0' - 4" quartz carbonate vein at 30° to core axis, irregular					
			contacts.					
			148.5'-151.5' - quartz carbonate stringered zone - shear zone? at					

Diamond Drill Record

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HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
42.8m 140.5'	50.6m 166.0'	(cont.)	30° to core axis in fine grained tuffaceous volcanics, stringer					
			zone at 151.5' at 70° to core axis.					
			151.5'-155.0' - light green fragmental volcanic, tuffaceous,					
			angular fragments to 3", much coarse disseminated pyrite.					
			155.0'-161.0' - light green, fine grained tuffaceous volcanics, to					
			lapilli tuff, disseminated pyrite.					
			161.0'-163.0' - shear zone, brecciated, rounded by fragments,					
			black crushed matrix, pyritic, shear planes at 45° to core axis.					
50.6m 166.0'	57.3m 188.0'	6.7m 22.0'	Pale grey-green shear zone, sheared brecciated quartz carbonate					
			veined and altered zone, planes at 30°-40° to core axis, dissemi-					
			nated pyrite, and stringers, almost total replacement with					
			quartz-ankerite-carbonate.					
			166.0'-177.0' - pale green-brown sheared brecciated and quartz					
			carbonate stringer/vein replacement zone, carbonatized, dissemi-					
			nated pyrite, planes at 30°-40° to core axis, healed brecciated					
			shear zone.					
			177.0'-187.0' - light grey-green, fine grained tuffaceous volcanics,					

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HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
50.6m 166.0'	57.3m 188.0'	(cont.)	disseminated and stringer pyrite, quartz carbonate stringers at					
			50° to core axis, healed breccia.					
			187.0'-188.0' - tuff layer at 20° to core axis, undulating contact,					
			to 3" thick.					
57.3m 188.0'	66.4m 218.0'	9.1m 30.0'	Light green-brown, fine grained, bleached, altered volcanic tuff,					
			porcellaneous, silicified and carbonatized, quartz carbonate					
			veins and stringers, tuffaceous layers, brecciated zones, dissemi-					
			nated pyrite gives speckled appearance in part, feldspathic					
			alteration in part.					
			188.0'-193.0' - pale brown, bleached, fine grained tuff, relic and					
			carbonatized, shear planes at 30° to core axis, quartz veins at					
			40° to core axis at 188.5', 190.0' and 191.5', pyrite.					
			193.0'-196.0' - darker to grey tuff, brecciated bands at 5°-10° to					
			core axis, with fragments of fine grained tuff, pyrite, healed					
			shear. 194.0'-195.0' - quartz carbonate veining parallel at 50°-60°					
			to core axis.					
			196.0'-212.0' - similar light pale brown, bleached, fine grained					

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HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
57.3m 188.0'	66.4m 218.0'	(cont.)	tuff, silicified and carbonatized, disseminated pyrite, diffuse					
			boundaries to quartz carbonate veins and stringers, - at 197.0'					
			at 80° to core axis, at 200.0' at 70° to core axis, at 203.0',					
			205.0', 206.5', 209.0', 210.0' - narrow veins at 50° to 70° to					
			core axis.					
			212.0'-218.0' - feldspar porphyry fragments, in fine grained					
			volcanic tuff, slightly darker brown-green colour, diffuse					
			boundaries to quartz carbonate veins at 213.0', 213.6', 215.0' and					
			217.0' - veins at 35° to core axis, almost appears as quartz					
			ankerite replacement from 214.0'-216.0'.					
66.4m 218.0	70.0m 229.6	3.6m 11.7'	Black unaltered volcanic tuffs, and dark grey siltstone, shear					
			zone, quartz carbonate veining, mineralized quartz-siderite?-					
			ankerite? veins, at 30° to core axis galena, sphalerite, chalco-					
			pyrite, pyrite, manganese stain, footwall gouge to altered volcanic					
			tuffs.					
			218.0'-219.0' - sheared, brecciated, altered, bleached, fragmental					
			volcanic, quartz carbonate veins, stringers and breccia filling					

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HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn
66.4m 218.0'	70.0m 229.6'	(cont.)	at 30° to core axis, pyritic.	66.4m 218.0'	66.7m 219.0'	1.0'						
			219.0'-219.4' - slightly altered black lapilli tuff, dark brown,	66.7m 219.0'	67.3m 221.0'	2.0'						
			shear planes at 45°, footwall quartz carbonate vein to 3".									
			219.4'-221.5' - black lapilli tuff, sheared, brecciated, quartz									
			carbonate, brecciated fragments in shear breccia, planes at 35° to									
			core axis, disseminated pyrite, blebs pyrite.									
			221.5'-222.1' - sheared, brecciated, black tuff and band bleached	67.3m 221.0'	67.6m 222.0'	1.0'						
			altered tuff, planes at 30° to core axis - cut and offset 2 mm by									
			fractures at right angles to 30° planes and at 50° to core axis,									
			disseminated pyrite.									
			222.1'-222.8' - brecciated light brown-buff quartz carbonate	67.6m 222.0'	67.9m 223.0'	1.0'						
			vein, shear planes with gouged black tuff, graphitic, large vein									
			bleb pyrite with chalcopyrite at 35° to core axis at 221.4',									
			at 221.6' regular buff-brown carbonate vein to 1", at 30° to core									
			axis, black graphitic? sheared tuff on planes, vein margins at 30°	67.9m 223.0'	68.6m 225.0'	2.0'						
			to core axis, veins/blebs pyrite and chalcopyrite plus pyrite/									
			chalcopyrite mixed, minor galena, sphalerite noted.									
			222.8'-224.8' - broken, quartz buff carbonate veined, dark grey									

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 23-24, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
66.4m 218.0'	70.0m 229.6'	(cont.)	siltstone, sedimentary appearance, rounded - subrounded grains to					
			1-2 mm may have volcanic component but not obvious, pyrite/chalco-					
			pyrite associated quartz carbonate veins.					
			224.8'-229.6' - dark grey siltstone, brecciated and healed quartz					
			carbonate stringers and fracture fillings at 50°-70° to core axis,					
			minor disseminated pyrite.					
70.0m 229.6'	73.9m 242.6'	3.9m 13.0'	Light buff-brown, fine grained, porcellaneous, bleached, altered,					
			fragmental volcanics, silicified, carbonatized, diffuse boundaries					
			to quartz veins at 65°-70° to core axis, disseminated pyrite gives					
			speckled appearance.					
			229.6' - gouge/shear plane at 50° to core axis, sheared contact.					
			241.5'-242.6' - brecciated, shear planes with black graphitic					
			slickensides at 35° to core axis.					
73.9m 242.6'	76.2m 250.0'	2.25m 7.4'	Dark grey to black argillite, much disseminated pyrite, brecciated					
			and sheared, broken ground and gouge, carbonate - quartz veined,					
			carbonatized weakly.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 23-24, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
73.9m 242.6'	76.2m 250.0'	(cont.)	242.6'-246.0' - broken ground, black graphitic-looking slickensides					
			on fractured argillite, disseminated pyrite.					
			246.5'-247.5' - black clay gouge, brecciated argillite fragments,					
			planes at 40° to core axis, carbonatized, weakly effervescent.					
			248.5'-248.6' - carbonate vein, minor quartz associated, at 65° to					
			core axis.					
76.2m 250.0'	79.6m 261.0'	3.4m 11.0'	Light pale greenish-brown buff, bleached, silicified volcanic?,					
			intrusive dyke?, no relict texture, ghost lathes of feldspar?					
			micas? amphiboles?, disseminated pyrite gives slight speckled					
			appearance.					
			250.0' - contact between black argillite, slightly fractured and					
			healed and quartz veined, bleached, altered? volcanic? intrusive?,					
			contact sharp at 60° to core axis.					
			250.0'-261.0' - pale buff, porcellaneous, bleached, no texture,					
			volcanic? intrusive?, quartz veins, diffuse at from 50° to 70° to					
			core axis.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 23-24, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
79.6m 261.0'	80.0m 262.5'	0.46m 1.5'	Black, fractured siltstone, brecciated, quartz carbonate veins at					
			60° to core axis, rusty planes.					
80.0m 262.5'	82.7m 271.5'	2.7m 9.0'	Light brown-buff, porcellaneous, bleached, altered volcanic?					
			intrusive?, no relict textures, diffuse quartz veins, at 30°-50°					
			to core axis, brecciated black siltstone/argillite, shear bounded.					
			262.5'-267.0' - bleached, silicified, altered volcanic?, diffuse					
			quartz vein stockwork.					
			267.0'-267.1' - brecciated, black siltstone with quartz vein at 70°					
			to core axis.					
			267.1'-268.0' - silicified, brecciated, bleached, altered					
			volcanics?, diffuse quartz seams at 70° to core axis and at 30° to					
			core axis.					
			268.0'-271.5' - bleached, altered volcanics, schist texture very					
			faint and looks tuffaceous, lapilli tuff?, suggestion of felds-					
			pathization.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 23-24, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek

HOLE No. 88-1

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
82.7m 271.5'	92.3m 303.0'	9.9m 32.5'	Dark grey siltstone, fine grained, rounded to sub-rounded grains					
			1 mm to 2 mm maximum, no bedding noted, black, dense, fine grained					
			argillite.					
			271.5'-273.4' - dark grey siltstone, contact at 271.5' at 70° to					
			core axis, at 271.7' a shear, quartz carbonate filled, stringers					
			at 40° to core axis.					
			273.4'-277.5' - black, dense, fine grained argillite, disseminated					
			pyrite.					
			277.5' - contact to dark grey siltstone, at 5° to core axis,					
			fragments black argillite incorporated in top 1"-2" of siltstone -					
			suggestion of inverted beds?					
			277.5'-303.0' - dark grey siltstone, may be a volcanic component,					
			uniform grain size. 290.5'-291.0' - black argillite band to 40°					
			to core axis.					
			92.3m 303.0' - end of hole.					

GEOLOGICAL ASSOCIATION OF CANADA
GORDON D. HOUSE
FELLOW

COLLAR:	HOLE SURVEY		
Metric: 2+68N	METHOD: -		
0+93.5E	FOOTAGE	AZIMUTH	DIP
ELEVATION 4200' ASL	0	090°	-59°
CORE SIZE BQ			
LOGGED BY Gordon D. House			
DATE LOGGED Aug. 25-26, 1988			
MAP REFERENCE No. 104 A/5			

Diamond Drill Record

SAWYER CONSULTANTS INC.

COMPANY NAME GOLDEN GLACIER RESOURCES INC.
PROPERTY NAME American Creek - AM-1
DRILLING CONTRACTOR Len's Drilling Ltd.
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE To test depth extension and attitude of vein intersected in DDH 88-1

HOLE No. 88-2
CLAIM NAME/No. AM-1
COMMENCED Aug. 24, 1988
FINISHED Aug. 25, 1988
FINAL DEPTH 298.0' 90.8m
PROJECT No.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
0 0	1.8m 6.0'	-	Casing.					
1.8m 6.0'	8.5m 28.0'	6.4m 21.0'	Pale buff-brown, bleached, altered, volcanic tuff, no relict					
			texture, sheared, brecciated quartz carbonate veining, sulphides,					
			associated galena, sphalerite, chalcopyrite, much disseminated					
			pyrite giving speckled appearance (pyrite may be after mafics) -					
			light coloured tuff, may be felsic tuff, rhyolite-dacite tuff,					
			slightly altered, but lack of texture indicates highly altered					
			fragmental tuff.					
			6.0'-8.5' - pale buff "speckled" tuff, much disseminated pyrite,					
			narrow quartz stringers at 70° to core axis, oxidized material					
			on fractures.					
			8.5'-10.3' - shear zone, quartz carbonate veins at 40° to 45°	2.6m 8.5'	2.9m 9.5'	1.0'		
			to core axis, at 8.7' a 2" vein with sulphides, galena, sphalerite,	2.9m 9.5'	3.2m 10.5'	1.0'		
			minor chalcopyrite.	3.2m 10.5'	3.8m 12.5'	2.0'		

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 25-26, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
1.8m 6.0'	8.5m 28.0'	(cont.)	10.3'-11.0' - quartz carbonate healed breccia zone, minor sulphides.											
			11.0'-13.0' - slight green colouration, bleached fragments,											
			"speckled", buff tuff in fine grained, light pale green matrix,											
			quartz veins to ½" at 12.0' and 12.5', associated sulphides,											
			galena, sphalerite, minor disseminated pyrite.											
			13.0'-19.0' - pale green buff, speckled tuff, becomes finer											
			grained from 16.5', quartz carbonate veins at 14.5', no sulphides;											
			16.5'-17.5' - series narrow quartz stringers at 75° to core axis;											
			18.0'-19.0' - series sulphide-bearing veins, quartz stringers,	5.5m 18.0'	5.8m 19.0'	1.0'								
			with galena, sphalerite.											
			19.0'-26.0' - healed shear breccia zone, broken, bleached, pale											
			green altered volcanic, quartz carbonate veining at 80° to core	6.1m 20.0'	6.7m 22.0'	2.0'								
			axis at 19.5'-20.0', 21.5'-22.0' - quartz carbonate vein at 35°	6.7m 22.0'	7.3m 24.0'	2.0'								
			to core axis with siderite, minor sphalerite, galena;	7.3m 24.0'	7.9m 26.0'	2.0'								
			22.5' - quartz carbonate vein at 85° to core axis; 23.0' - quartz	7.9m 26.0'	8.5m 28.0'	2.0'								
			carbonate vein at 30° to core axis; 25.5'-26.0' - quartz carbonate											
			veining at 45° to core axis.											
			26.0'-28.0' - speckled tuff, cut by quartz carbonate sulphide											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 25-26, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
1.8m 6.0'	8.5m 28.0'	(cont.)	stringers/veins at 60° to 70° to core axis, healed shear veined					
			quartz carbonate at 28.0' at 50° to core axis.					
8.5m 28.0'	11.9m 39.0'	3.35m 11.0'	Pale green, slightly altered, fragmental tuff, texture distinct,					
			angular to sub-rounded fragments, darker band/dyke?, more mafic					
			massive volcanics, much veined quartz carbonate at 40° to 60° to					
			core axis, pale green fragmental volcanics.					
			28.0'-33.0' - pale green fragmental volcanics, slightly altered,					
			distinct texture fragments, quartz carbonate veining from 29.0'-					
			31.0' at 30° to core axis.					
			33.0'-37.0' - darker, fine grained to 1 mm, tuff/siltstone,					
			blebs pyrite at 35.5', cut quartz carbonate veins at 60° to					
			core axis.					
			37.0'-39.0' - pale green fragmental volcanic, distinct fragments.					
11.9m 39.0'	19.8m 65.0'	7.9m 26.0'	Healed shear breccia zone, brecciated dark volcanics and					
			fragmental volcanics, light green fragmental volcanics, andesites,					
			minor quartz carbonate veining, disseminated pyrite, dark green					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 25-26, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	No.							
11.9m 39.0'	19.8m 65.0'	(cont.)	fragmental volcanics, large quartz carbonate veining - barren,											
			to lighter coloured fragmental volcanics - bleaching, in hanging-											
			wall shear breccia zone.											
			39.0'-45.0' - healed shear zone, brecciated fragmental volcanics											
			and dark, fine grained tuff, much veined quartz carbonate stringers											
			and veins at 60° to core axis, but quartz vein stockwork from											
			44.0'-45.0', quartz carbonate vein at 39.0'-40.0' at 25° to 30° to											
			core axis, much oxide + carbonate/siderite, brecciated volcanics,											
			much disseminated pyrite.											
			45.0'-48.0' - fine grained, pale green, tuffaceous volcanics, no											
			fragments.											
			48.0'-60.0' - medium green, fragmental volcanics, very minor											
			disseminated pyrite, quartz carbonate veins at 51.0', 54.0' and											
			55.5' at 60° to core axis.											
			60.0'-61.0' - large quartz carbonate vein at 25° to core axis,											
			minor pyrite.											
			61.0'-62.0' - bleaching of pale green volcanics, quartz carbonate											
			stringers, at 30° to core axis.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

COLLAR:		HOLE SURVEY		
Metric:	3+60N	METHOD: -		
	0+95E	FOOTAGE	AZIMUTH	DIP
ELEVATION	4210' ASL	0	085°	-70°
CORE SIZE	BQ			
LOGGED BY	Gordon D. House			
DATE LOGGED	Aug. 29-30, 1988			
MAP REFERENCE No.	104 A/5			

COMPANY NAME: GOLDEN GLACIER RESOURCES INC.
PROPERTY NAME: American Creek - AM-1
DRILLING CONTRACTOR: Len's Drilling Ltd.
ASSAYER: Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE: To test down dip extensions of surface veining

HOLE No.: 88-4
CLAIM NAME/No.: AM-1
COMMENCED: Aug. 28, 1988
FINISHED: Aug. 29, 1988
FINAL DEPTH: 251.0' 76.5m
PROJECT No.:

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
0 0	3.35m 11.0'		Casing.					
3.35m 11.0'	9.75m 32.0'	5.03m 16.5'	Quartz carbonate veined, pale green to buff, silicified, altered					
			volcanic tuff at collar.					
			11.0'-17.0' - boulders dark green volcanic.					
			17.0'-18.0' - quartz carbonate siderite veined, pale green tuff	5.2m 17.0'	5.5m 18.0'	1.0'		
			at 45° to core axis, galena, sphalerite, chalcopyrite, pyrite.					
			20.0'-20.5' - quartz carbonate siderite vein at 45° to core axis,	5.9m 19.5'	6.2m 20.5'	1.0'		
			minor sulphides.					
			22.0'-23.0' - brecciated, pale green, altered tuff, vuggy quartz	6.7m 22.0'	7.0m 23.0'	1.0'		
			vein at 22.0' and at 23.0' at 80° to core axis, with sulphides					
			galena, sphalerite, chalcopyrite, disseminated.					
			23.0'-32.0' - very bleached, buff-brown volcanic tuff, no relic					
			textures, quartz carbonate stringers at 25°-30° to core axis,					
			at 30.0' and 32.0', disseminated pyrite.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
9.75m 32.0'	14.9m 49.0'	5.2m 17.0'	Medium green coloured fragmental tuff, less alteration, fragments											
			visible.											
			33.0'-35.0' - quartz carbonate veinlets at 25°-30° to core axis.											
			47.5'-49.0' - quartz carbonate siderite vein at 30°-40° to core											
			axis, veins coalesce, much disseminated pyrite, no economic											
			sulphides.											
14.9m 49.0'	28.04m 92.0'	13.1m 43.0'	Pale green to buff, siliceous altered volcanic tuffs, no relict											
			textures, zones of brecciation, shearing and quartz carbonate											
			siderite - sulphide veining, veins with diffuse boundaries in part,											
			disseminated pyrite in part.											
			49.0'-59.0' - pale buff-green, very altered tuff at 85° to core											
			axis, quartz carbonate stringer at 30° to core axis at 57.0'.											
			59.0'-60.7' - quartz carbonate siderite vein filled shear, quartz	18.0m 59.0'	18.5m 60.7'	1.7'								
			carbonate centre, banded vein, galena, sphalerite, chalcopyrite.											
			60.7'-66.5' - similar altered buff, quartz carbonate siderite											
			veins at 61.6' at 30° to core axis, 62.5' and 63.5' at 80° to core											
			axis.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
14.9m 49.0'	28.04m 92.0'	(cont.)	66.5'-70.0' - shear zone, breccia zone, quartz carbonate siderite											
			healed veins at 75° to 80° to core axis, minor disseminated pyrite,											
			no economic sulphides noted, barren vein.											
			70.0' - vuggy quartz vein at 85° to core axis, barren.											
			71.5' - 2" quartz vein at 85° to core axis, barren.											
			73.0' - two parallel quartz veins to ½" at 85° to core axis,											
			barren except for pyrite.											
			75.0' - quartz vein at 85° to core axis, barren.											
			80.0' - quartz carbonate siderite vein at 80° to core axis,											
			pyrite only.											
			84.0'-86.0' - quartz carbonate siderite filled shear zone,	25.6m 84.0'	26.2m 86.0'	2.0'								
			veins at 80° to core axis with sulphides, sphalerite, galena,	26.2m 86.0'	26.8m 88.0'	2.0'								
			pyrite.	26.8m 88.0'	27.4m 90.0'	2.0'								
			86.0'-88.0' - quartz carbonate siderite vein to 7" at 75° to core											
			axis, minor galena, sphalerite.											
			88.0' - pale green, siliceous altered tuff, disseminated pyrite.											
			88.0'-90.0' - shear quartz carbonate siderite vein at 30° to core											
			axis, stringer with galena, sphalerite.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
14.9m 49.0'	28.04m 92.0'	(cont.)	90.5' - black/grey carbonate vein at 30° to core axis.											
28.04m 92.0'	30.2m 99.0'	2.1m 7.0'	Darker grey-green and buff, sheared volcanics, quartz carbonate											
			stringer zone, brecciated.											
			92.0'-93.0' - brecciated quartz carbonate siderite minor galena,											
			very minor sphalerite.											
			93.0'-99.0' - similar sheared, dark grey and buff, altered	29.2m 96.0'	29.8m 98.0'	2.0'								
			volcanics, planes at 30° to core axis, minor disseminated pyrite.											
30.2m 99.0'	35.1m 115.0'	4.9m 16.0'	Pale green, silicified altered tuff, quartz carbonate filled											
			shearing at 102.0', 107.0' and 109.0' - at 25° to core axis.											
35.1m 115.0'	40.5m 133.0'	5.5m 18.0'	Black sheared argillite, fragments pale green tuff incorporated,											
			whole with planes at 30° to 40° to core axis, bands of pale green,											
			altered, brecciated tuff with quartz carbonate veining.											
			115.0'-120.0' - mixed black argillite and pale green tuff breccia,											
			lineation at 30° to core axis, quartz carbonate siderite veins at											
			116.0' - chalcopyrite blebs.	35.35m 116.0'	35.7m 117.0'	1.0'								

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
35.1m 115.0'	40.5m 133.0'	(cont.)	120.0'-123.5' - pale green volcanic tuff, altered, brecciated,											
			quartz carbonate veining; 121.0'-121.5' - quartz carbonate,	36.75m 120.6'	37.06m 121.6'	1.0'								
			siderite vein at 75° to core axis, chalcopyrite blebs.											
			123.5'-128.5' - black, brecciated, sheared argillite, fragments											
			dark grey siltstone and altered tuff, quartz carbonate - siderite											
			veins at 30° to core axis - pyrite only.											
			128.5'-132.0' - quartz carbonate filled breccia zone, planes	39.2m 128.5'	39.6m 130.0'	1.5'								
			at 75° to core axis, with quartz carbonate siderite veins at 80°	39.6m 130.0'	40.2m 132.0'	2.0'								
			to core axis at 129.0', disseminated, and blebs sphalerite, galena,											
			chalcopyrite, blebs chalcopyrite to ½" x ¼". 131.5' - quartz											
			carbonate siderite veins, much chalcopyrite, associated bronze											
			brown crystalline pyrrhotite?, non-magnetic, pyrrhotite colour.											
40.5m 133.0'	41.5m 136.0'	0.9m 3.0'	Massive quartz carbonate - siderite vein, hangingwall contact	40.5m 133.0'	41.5m 136.0'	3.0'								
			at 70° to core axis, footwall contact at 60° to core axis.											
			134.0'-135.0' - siderite vein at 40° footwall and 80° hangingwall,											
			much chalcopyrite, associated siderite veins within vein system.											
Note:	No more mineralization for sampling to 251.0'.													

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
41.5m 136.0'	43.6m 143.0'	2.1m 7.0'	Black sheared argillite, disseminated pyrite, cut by a quartz					
			stringer at high angles to core axis, quartz carbonate siderite					
			narrow vein at 138.2' at 20° to core axis, no sulphides, at 140.2'					
			another quartz siderite vein at 70° to core axis - no sulphides.					
43.6m 143.0'	46.9m 154.0'	3.4m 11.0'	Dark grey siltstone, black argillite - banded in part, cut by					
			quartz carbonate stringers at medium to high angles to core axis.					
			At 144.0' narrow ½" band black argillite in grey siltstone at					
			25° to core axis.					
			146.0'-146.8' - brecciated, pale green - buff, altered tuff,					
			quartz carbonate veined, hangingwall at 30° to core axis, footwall					
			contact at 70° to core axis, a horst block.					
			148.0'-149.0' - vuggy quartz carbonate vein, in sheared argillite.					
			151.2' - quartz vein, 1", at 80° to core axis.					
46.9m 154.0'	51.4m 168.5	4.4m 14.5'	Pale green to buff, silicified altered volcanic tuff, hangingwall					
			contact with black argillite at 40° to core axis, footwall contact					
			to sheared and quartz veined grey siltstone at 40° to core axis,					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
46.9m 154.0'	51.4m 168.5'	(cont.)	quartz stringers, quartz carbonate veins, siderite stringers and					
			sulphide stringers.					
			155.8'-156.0' - quartz carbonate vein at 70° to core axis, no					
			sulphides, minor pyrite.					
			156.5'-157.5' - thin 3 mm stringer siderite at 70° to core axis,					
			sulphide stringers to 2 mm at 70° and 30° to core axis, sphalerite,					
			chalcopyrite with pyrite in stringers, 2 or 4 only.					
			160.0'-161.0' - quartz carbonate vein, diffuse boundaries, at 30°					
			to core axis.					
			164.0' - banded quartz vein, black to dark grey carbonate on walls,					
			quartz centre, at 30° to core axis.					
			165.0'-166.0' - quartz carbonate vein at 65° to core axis, altered					
			wall rock with feldspar/carbonate blebs, no sulphides except pyrite					
			noted.					
			168.0'-168.5' - black bounded quartz vein at 5° to core axis, cut					
			at 168.5' by banded, black, carbonate bordered, quartz carbonate					
			vein, 3/4" at 40° to core axis.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
51.4m 168.5'	65.2m 214.0'	13.8m 45.5'	Dark grey siltstone, black siliceous argillite, quartz tension					
			gash veining, quartz carbonate veining, banded argillite in part.					
			168.5'-175.0' - dark grey siltstone, uniform texture and grain					
			size of approx. 1 mm to 2 mm.					
			175.0'-177.0' - black brecciated argillite, quartz and quartz					
			carbonate veins at 25° to 70° to core axis.					
			177.0'-198.0' - dark grey siltstone, brecciated and fractured					
			with quartz veining and quartz carbonate veining, bands of black					
			argillite, very brecciated, fractured at 179.0', 185.0', 187.0',					
			188.5' - quartz carbonate veined at 30° to 40° to core axis.					
			182.5'-184.0' - black argillite/siltstone, brecciated fracture					
			zone, planes at 30° to core axis, healed quartz carbonate.					
			185.0' and 189.5' - quartz carbonate siderite veins - no sulphides.					
			191.0'-198.0' - black argillite with quartz carbonate stringers					
			at low angles to core axis, fractured and brecciated.					
			198.0'-200.0' - dark grey siltstone.					
			200.0'-206.0' - black banded argillite, coarser silty bands at 25°					
			to core axis, bedding?					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
51.4m 168.5'	65.2m 214.0'	(cont.)	206.0'-214.0' - dark grey, siltstone, very minor quartz stringer.					
65.2m 214.0'	68.6m 225.0'	3.3m 11.0'	Brecciated and fractured dark grey siltstone, black argillite					
			interbanded, much quartz carbonate veining and breccia filling,					
			disseminated pyrite, no economic sulphides noted.					
			215.0'-216.0' - large zone quartz carbonate filling of brecciated					
			area.					
			217.5'-218.5' - quartz carbonate filled breccia zone, breccia					
			fragments of dark argillite.					
			221.2'-222.0' - quartz carbonate veins at 30° to core axis.					
68.6m 225.0'	70.7m 232.0'	2.1m 7.0'	Interbanded grey siltstone and black argillite, fractured, quartz					
			stringers, planes and stringers at 30°-40° to core axis.					
70.7m 232.0'	75.9m 249.0'	5.2m 17.0'	Dark grey siltstone with bands black argillite, quartz carbonate					
			filled breccia and fracture zones, disseminated pyrite.					
			232.0'-233.0' - quartz carbonate vein at 45° to core axis, no					
			sulphides.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 29-30, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-4

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
70.7m 232.0'	75.9m 249.0'	(cont.)	236.0' - quartz carbonate banded vein at 70° to core axis.					
75.9m 249.0'	76.5m 251.0'	0.6m 2.0'	Fracture shear zone in dark grey siltstone, quartz carbonate vein at 35° to core axis to 250.2', cut by shear in black argillite, brecciated and quartz carbonate healed, graphitic shear planes at 80° to core axis, minor disseminated sphalerite, galena noted in healed shear from 250.5'.					
			76.5m 251.0' - end of hole.					

GEOLOGICAL ASSOCIATION OF CANADA
GORDON D. HOUSE
FELLOW

COLLAR:	HOLE SURVEY		
Metric: 3+42N	METHOD: -		
1+97E	FOOTAGE	AZIMUTH	DIP
ELEVATION 4100' ASL	0	110°	-50°
CORE SIZE BQ			
LOGGED BY Gordon D. House			
DATE LOGGED Aug.31-Sept.1, 1988			
MAP REFERENCE No. 104 A/5			

Diamond Drill Record

SAWYER CONSULTANTS INC.

COMPANY NAME GOLDEN GLACIER RESOURCES INC.
PROPERTY NAME American Creek - AM-1
DRILLING CONTRACTOR Len's Drilling Ltd.
ASSAYER Bondar-Clegg & Company ltd.
PURPOSE OF HOLE To test down dip extension of surface veining at 3+50N 2+26E

HOLE No. 88-5
CLAIM NAME/No. AM-1
COMMENCED Aug. 30, 1988
FINISHED Aug. 31, 1988
FINAL DEPTH 193.0'58.8m
PROJECT No.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	No.							
0 0	1.5m 5.0'	-	Casing. No recovery.											
1.5m 5.0'	3.9m 13.0'	2.4m 8.0'	Dark grey siltstone, black argillite with quartz stringers.											
			5.0'-7.0' - rusty, oxidized, grey siltstone.											
			7.0'-8.0' - black argillite, carbonate vein at contact at 7.0'											
			at 45° to core axis, grey quartz carbonate fracture filling.											
			8.0'-13.0' - grey siltstone, coarser grained, to 3-4 mm - grains											
			angular, black argillite included.											
3.9m 13.0'	20.9m 68.7'	16.8m 55.0'	Dark grey siltstone, layered/bedded in part, banded black											
			argillite, minor quartz carbonate stringers, black argillite,											
			breccia zones with quartz carbonate filling, very minor dissemi-											
			nated pyrite, slightly carbonatized, black banded argillite from											
			17.0'-22.0', banding at 75° to core axis.											
			22.0'-29.0' - black argillite. 28.0'-29.0' - quartz carbonate											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 31 - Sept. 1, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
3.9m 13.0'	20.9m 68.7	(cont.)	stringer/veined, at 20° to core axis.					
			34.0'-34.8' - quartz carbonate vein, at 20° to core axis, breccia					
			fragments argillite included.					
			37.0'-45.0' - black argillite, bands siltstone, planes at 35°-45°					
			to core axis.					
			45.0'-48.0' - dark argillaceous fine grained siltstone.					
			48.0'-49.0' - brecciated zone, contact from argillite to siltstone,					
			contact at 80° to core axis, carbonate veined.					
			49.0'-68.7' - dark grey siltstone, uniform composition, no					
			layering evident; 61.8'-61.9' - shear, carbonate vein at 80° to					
			core axis; 62.0'-63.0' - quartz carbonate vein at 15° to core axis.					
20.9m 68.7	23.7m 78.0	2.8m 9.3'	Contact at 68.7' to pale green, bleached, silicified, altered tuff,					
			crystals tuff, with narrow quartz stringer at 15° to core axis					
			cut off by contact, stringer carries galena, sphalerite and chalco-					
			pyrite in minor amounts, disseminated pyrite in tuff, none in grey					
			siltstone above contact, contact at approx. 80° to core axis,					
			an irregular wavy contact - appears erosional since no tuff					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 27-29, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
9.4m 31.0'	16.1m 53.0'	(cont.)	of feldspar laths, sericite alteration more common, as is carboni-									
			zation, much disseminated pyrite; at 41.0' carbonate stockwork									
			of stringers, quartz carbonate veins at 80° to core axis at									
			44.8' + 45.5'.									
			46.5'-47.0' - breccia zone, darker stringers - pyrite?									
			47.0'-53.0' - altered bleached dyke - contact to volcanic tuff									
			obscured by alteration, much brecciated and healed quartz carbonate									
			veins/stringers, disseminated pyrite, blebs chalcopyrite in	14.9m 49.0'	15.4m 50.5'	1.5'						
			quartz carbonate veins at 50.0', sericite crystals noted increasing.									
16.1m 53.0'	26.9m 88.5'	10.8m 35.5'	Pale green to buff, bleached volcanic tuff, silicified - slightly									
			carbonatized, very faint relict textures indicate fine grained									
			to fragmental volcanic tuff, quartz carbonate veining and quartz									
			carbonate filled breccia zones, disseminated pyrite, galena,									
			sphalerite and chalcopyrite, associated quartz carbonate veins.									
			53.0'-54.5' - quartz carbonate vein at 35° to core axis, oxidized									
			fracture, mostly at 5° to core axis, and carbonate stringers,	16.15m 53.0'	16.6m 54.5'	1.5'						
			sphalerite, chalcopyrite, 54.5' vein at 80° to core axis.									

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 27-29, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
16.1m 53.0'	26.9m 88.5'	(cont.)	55.0' - quartz stringer with bleb chalcopyrite.											
			58.5'-59.5' - quartz carbonate/siderite vein, at 85° to core axis,	17.8m 58.5'	18.1m 59.5'	1.0'								
			parallel series veins - multiple veins, banded, late stage vuggy	18.1m 59.5'	18.6m 61.0'	1.5'								
			quartz vein with quartz crystals into carbonate filled vug,											
			pyrite, chalcopyrite, galena, sphalerite.											
			59.5'-62.0' - series quartz carbonate veins, at 60.3' at 70° to											
			core axis, with sulphides associated, sphalerite, galena.											
			63.0'-67.0' - series parallel quartz carbonate/siderite veins at	19.2m 63.0'	19.96m 65.5'	2.5'								
			80° to core axis, at 64.5'-64.7' at 85° to core axis, at 65.5'-	19.96m 65.5'	20.4m 67.0'	1.5'								
			65.7' at 75° to core axis, associated sulphides, pyrite, chalco-	20.4m 67.0'	20.7m 68.0'	1.0'								
			pyrite, sphalerite, galena.	20.7m 68.0'	21.3m 70.0'	2.0'								
			67.0'-76.0' - pale green, altered, bleached crystal tuff,	21.3m 70.0'	21.9m 72.0'	2.0'								
			crystals to 10 mm, disseminated pyrite, quartz carbonate siderite											
			veining at 80° to core axis at 67.9'-68.0', 68.4'-68.6', 68.7',											
			68.8', 69.1', 69.7', 70.2', 70.5', 75.3', 75.8', veins and quartz											
			siderite replacement zones/breccia filling carry sulphides,											
			sphalerite, galena, especially from 67.0'-72.0'.											
			76.0'-79.0' - massive quartz carbonate-siderite veins, veins at											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 27-29, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
16.1m 53.0'	28.9m 88.5'	(cont.)	76.5'-77.8', 77.0'-77.8', 78.1'-79.6' - all with blebs and dis-	23.16m 76.0'	23.46m 77.0'	1.0'								
			seminated sphalerite, galena, chalcopyrite.	23.46m 77.0'	23.8m 78.0'	1.0'								
			79.0'-86.0' - pale green, silicified, altered crystal tuff.	23.8m 78.0'	24.1m 79.0'	1.0'								
			86.0'-88.5' - brecciated, pale green crystal tuff, quartz											
			carbonate siderite, vein from 86.0'-86.8' - sulphides.	26.2m 86.0'	26.5m 87.0'	1.0'								
26.9m 88.5'	30.02m 98.5'	3.04m 10.0'	Pale green, altered, bleached tuff, mixed with dark grey, fine											
			grained, shaley sediments, sediments with fragments rounded of											
			bleached tuff, quartz carbonate veining.											
			88.5'-90.0' - mixed grey, fine grained tuff/shale and altered,											
			brecciated, bleached tuff, tuff fragments, rounded in "shale".											
			90.0'-92.0' - pale green, altered tuff, disseminated pyrite,											
			rough lineation at 30° to core axis. 90.5' - quartz carbonate vein.											
			92.0'-93.5' - sheared, brecciated black shale with 40% brecciated											
			pale green tuff fragments, much disseminated pyrite.											
			93.5'-94.5' - pale green, altered tuff crystal, pyrite.											
			94.5'-98.5' - mixed pale green tuff, brecciated and dark grey/											
			black shale, shear/lineation planes at 45°-50° to core axis,											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 27-29, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn
26.9m 88.5'	30.02m 98.5'	(cont.)	disseminated pyrite.									
30.02m 98.5'	42.4m 139.0'	12.2m 40.0'	Pale green altered tuff, volcanic tuff mainly, brecciated and quartz carbonate veining in part, becoming more competent, brecciated and fractured, oxidized fractures to 138.0'.									
			98.5'-102.5' - brecciated, pale green tuff, disseminated pyrite, altered, minor stringers quartz carbonate at high angles.									
			102.5'-104.5' - major quartz carbonate vein, brecciated quartz carbonate veining, siderite, minor quartz on walls of vein, late stage vuggy quartz, sulphides to centre, galena, sphalerite, chalcopyrite, hangingwall planes at 70° to core axis, as is centre shear gouge, footwall contact at 70° to core axis at 103.8', brecciated tuff and quartz carbonate to footwall, contact at 104.5' at 80° to core axis.	31.2m 102.5'	31.7m 104.0'	1.5'						
				31.7m 104.0'	32.0m 105.0'	1.0'						
			104.5'-109.0' - altered tuff, quartz carbonate siderite veins at high angles to core axis 75°-80°, disseminated pyrite, galena, sphalerite, associated quartz carbonate veining, minor disseminated sulphides.									

Diamond Drill Record

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PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
30.02m 98.5'	42.4m 139.0'	(cont.)	109.0'-113.0' - broken, altered, pale green, crystal tuff, minor											
			quartz carbonate veining, minor sulphides.											
			113.0'-114.0' - parallel quartz carbonate siderite veins, galena,	34.4m 113.0'	34.7m 114.0'	1.0'								
			sphalerite, chalcopyrite, pyrite at 45° to core axis, banded,											
			horst of altered tuff.											
			114.0'-126.0' - altered tuff, pale green, silicified, occasional											
			stringer quartz and black sulphides, in part galena, sphalerite,											
			plus minor disseminated sulphides.											
			126.0'-130.0' - brecciated, quartz carbonate veined, stringer	38.4m 126.0'	39.0m 128.0'	2.0'								
			zone, sulphides, galena, sphalerite, chalcopyrite.	39.0m 128.0'	39.6m 130.0'	2.0'								
			131.5'-132.5' - quartz carbonate siderite vein to 1.5" at 25°											
			to core axis, galena, sphalerite, chalcopyrite.	40.0m 131.5'	40.4m 132.5'	1.0'								
			132.5'-136.5' - similar tuff, minor stringers quartz carbonate											
			with sphalerite, galena, disseminated pyrite.											
			136.5'-137.0' - fractured breccia zone, rusty.											
			137.5' - narrow band black shale, gougey.											
			138.5'-139.0' - broken ground, contact to black siliceous shale,											
			quartz veined at 80° to core axis.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
42.4m 139.0'	45.1m 148.0'	2.1m 7.0'	Broken ground, broken dark grey siltstone and black argillite,											
			much quartz veined at 80° to core axis, solid core with quartz											
			carbonate vein, oxidized at 30° to core axis, rest broken rusty											
			ground.											
45.1m 148.0'	51.2m 168.0'	4.9m 16.0'	Dark grey siltstone, minor black shale bands, 154.0'-156.5', and											
			165.0'-166.5', altered volcanic tuff, pale green, quartz veined											
			to end vein at 168.0' - except for black shale/quartz fragment											
			breccia - lost core on both sides, altered tuff "horst" of 1.0',											
			sheared black shale, disseminated pyrite throughout shale/											
			argillite. 167.0'-168.0' - chalcopyrite disseminated in shear.											
51.2m 168.0'	54.3m 178.0'	2.3m 7.5'	Broken ground, black argillite, grey siltstone layers, dissemi-	50.9m 167.0'	51.2m 168.0'	1.0'								
			nated pyrite and pyrite stringers, sheared - planes at approx. 30°											
			to core axis, horst of 1.0' of tuff, altered, within black											
			argillite shears.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 27-29, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
54.3m 178.0'	57.3m 188.0'	3.04m 10.0'	Banded black argillite, graded bands with coarse layers carrying					
			much pyrite, grading indicates "right way up", sheared green tuff.					
			178.0'-179.0' - sheared green altered tuff, quartz veins,					
			brecciated, planes at 20° to core axis.					
			179.0'-188.0' - banded black argillite, graded beds from 1" to 3"					
			in bedding at 45° to core axis, quartz veined. 187.5' - contact					
			to altered, pale green volcanic tuff, at 25° to core axis.					
57.3m 188.0'	62.8m 206.0'	5.5m 18.0'	Pale green, silicified, altered tuff, relict textures in part					
			indicates crystal tuff crystals to 5-10 mm across, quartz					
			carbonate veins, breccia zones with quartz carbonate alteration,					
			sulphides - galena, sphalerite, associated disseminated pyrite					
			throughout.					
			188.5'-189.5' - rusty quartz carbonate vein, 1", at 25° to core					
			axis, pyrite only.					
			194.0'-195.0' - quartz carbonate vein at 45° to core axis,					
			pyrite only.					
			196.0'-197.0' - quartz carbonate siderite vein, at about 35° to					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
57.3m 188.0'	62.8m 206.0'	(cont.)	core axis, diffuse borders, carries galena, sphalerite, pyrite,											
			no chalcopyrite noted.											
			201.0'-202.0' - quartz carbonate vein at 15°-20° to core axis,	61.3m 201.0'	61.6m 202.0'	1.0'								
			blue colouration, galena.	61.6m 202.0'	62.2m 204.0'	2.0'								
			202.0'-204.0' - siliceous, altered, pale green tuff, disseminated											
			pyrite and galena - oxide galena on crystals - white lead oxide.											
			206.0' - contact with black argillite at 80° to core axis.											
62.8m 206.0	67.7m 222.0	4.9m 16.0'	Black argillite, quartz veined in part, and dark grey siltstone,											
			brecciated and quartz veined quartz carbonate, veined in part.											
			212.0'-215.5' - quartz carbonate vein at 30° to core axis,											
			black argillite, breccia fragments included, pyrite only.											
67.7m 222.0	71.6m 235.0'	4.6m 15.0'	Dark grey siltstone, disseminated pyrite, minor quartz stringers,	67.8m 222.5	68.1m 223.5	1.0'								
			quartz carbonate vein with sulphides.	68.1m 223.5	68.6m 225.0	1.5'								
			222.5'-223.5' - vuggy, quartz carbonate siderite vein, banded and											
			brecciated, sulphide vein at 85° to core axis, galena, sphalerite,											
			pyrite.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 27-29, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
67.7m 222.0'	71.6m 235.0'	(cont.)	223.5'-225.0' - breccia zone, quartz carbonate siderite stringers.					
71.6m 235.0'	77.1m 253.0'	5.5m 18.0'	Dark grey siltstone, quartz carbonate stringers, black argillite,					
			disseminated pyrite.					
			235.0'-238.0' - black argillite.					
			246.0'-246.5' - quartz carbonate stringer, sphalerite, pyrite.					
			252.0'-253.0' - quartz stringer veins, at 30° to core axis.					
			77.1m 253.0' - end of hole.					

GEOLOGICAL ASSOCIATION OF CANADA
GORDON D. HOUSE
FELLOW

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Certificate of Analysis

REPORT: V88-07419.4 (COMPLETE)

REFERENCE INFO:

CLIENT: GOLDEN GLACIER RESOURCES INC.
PROJECT: GLACIER

SUBMITTED BY: G. HOUSE
DATE PRINTED: 21-SEP-88

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	WT-150 -150 Pulp Weight	76	0.1 G		
2	WT+150 +150 Pulp Weight	76	0.01 G		
3	Au-150 Avg Gold in -150	76	0.002 OPT		Fire Assay
4	Au+150 Gold in +150 mesh	76	0.001 MG		Fire Assay
5	Au TOT Au in total sample	76	0.002 OPT		Fire Assay
6	Ag-150 Avg Silver in -150	76	0.01 OPT		Fire Assay
7	Ag+150 Silver in +150 mesh	76	0.01 MG		Fire Assay
8	Ag Tot Ag in total sample.	76	0.02 OPT		Fire Assay
9	Cu Copper	76	0.01 PCT		Atomic Absorption
10	Pb Lead	76	0.01 PCT		Atomic Absorption
11	Zn Zinc	76	0.01 PCT		Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	76	2 -150	76	ASSAY PREP	76

REPORT COPIES TO: GOLDEN GLACIER RES. INC.
SAWYER CONSULTANTS INC.

INVOICE TO: GOLDEN GLACIER RES. INC.
SAWYER CONSULTANTS INC.

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SAWYER CONSULTANTS INC.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
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BONDAR-CLEGG

Certificate of Analysis

REPORT: V88-07419.4 | PROJECT: GLACIER | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	WT-150 G	WT+150 G	Au-150 OPT	Au+150 MG	Au TOT OPT	Ag-150 OPT	Ag+150 MG	Ag Tot OPT	Cu PCT	Pb PCT	Zn PCT
D2 39326		317.4	21.62	0.007	0.010	0.007	0.04	0.01	0.04	0.01	<0.01	<0.01
D2 39327		286.7	23.24	0.002	0.005	0.002	0.20	0.11	0.20	0.03	<0.01	<0.01
D2 39328		280.3	28.55	0.005	0.008	0.005	0.26	0.20	0.25	0.02	0.02	0.05
D2 39329		325.0	13.82	0.172	0.121	0.175	4.11	0.90	4.02	0.80	0.14	0.09
D2 39330		279.7	22.32	0.004	<0.002	0.004	0.24	0.07	0.23	0.04	0.02	0.16
D2 39331		287.4	14.20	0.002	0.010	0.003	0.05	0.01	0.05	<0.01	0.04	0.09
D2 39332		311.9	17.56	0.002	0.010	0.003	0.07	0.01	0.07	0.01	0.02	0.10
D2 39333		317.6	32.30	0.004	<0.002	0.004	0.11	0.02	0.10	0.03	0.02	0.08
D2 39334		271.5	17.91	<0.002	0.010	<0.002	0.07	0.01	0.07	<0.01	0.12	0.16
D2 39335		288.0	32.46	0.006	0.023	0.007	0.15	0.07	0.14	<0.01	0.08	0.23
D2 39336		285.6	21.95	0.003	0.004	0.003	0.25	0.24	0.25	0.01	0.06	0.25
D2 39337		286.9	28.74	<0.002	<0.002	<0.002	0.13	0.06	0.12	<0.01	0.06	0.36
D2 39338		272.8	32.79	<0.002	0.010	<0.002	<0.02	0.01	<0.02	<0.01	<0.01	<0.01
D2 39339		294.8	20.99	<0.002	<0.002	<0.002	0.04	0.03	0.04	<0.01	0.01	0.03
D2 39340		314.7	27.34	<0.002	0.010	<0.002	<0.02	0.01	<0.02	<0.01	<0.01	<0.01
D2 39341		208.3	20.99	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01
D2 39342		273.8	26.11	0.045	0.058	0.047	2.63	1.25	2.52	0.23	0.11	0.13
D2 39343		332.4	28.07	<0.002	<0.002	<0.002	0.05	0.02	0.05	<0.01	<0.01	0.11
D2 39345		304.4	21.31	<0.002	<0.002	<0.002	0.08	0.02	0.08	<0.01	0.06	0.49
D2 39346		333.7	23.44	0.012	0.009	0.012	0.64	0.04	0.60	0.07	0.22	0.18
D2 39347		272.6	29.92	0.002	0.010	0.002	0.03	0.01	0.03	<0.01	0.02	0.07
D2 39348		280.7	33.24	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01
D2 39349		289.2	24.58	<0.002	0.005	<0.002	0.15	0.03	0.14	<0.01	0.01	0.04
D2 39350		291.3	24.92	<0.002	0.010	<0.002	0.04	0.01	0.04	<0.01	0.01	0.19
D2 65826		300.1	28.32	0.003	0.010	0.004	0.09	0.01	0.08	0.01	0.01	0.11
D2 65827		283.3	31.40	<0.002	<0.002	<0.002	0.03	0.06	0.03	<0.01	0.01	0.11
D2 65828		283.9	25.72	<0.002	<0.002	<0.002	0.03	0.07	0.03	<0.01	0.01	0.03
D2 65829		282.6	18.93	0.002	0.010	0.003	0.03	0.01	0.03	<0.01	0.02	0.19
D2 65830		303.1	18.36	<0.002	<0.002	<0.002	0.04	<0.02	0.04	0.01	<0.01	0.01
D2 65831		291.7	21.90	0.009	0.031	0.011	0.38	0.13	0.37	0.29	0.02	0.17
D2 65832		305.7	21.91	0.097	0.125	0.102	3.68	1.60	3.58	0.57	0.07	0.10
D2 65833		302.3	16.16	0.002	<0.002	0.002	0.09	0.03	0.09	0.01	0.01	0.02
D2 65834		319.1	24.14	<0.002	0.010	<0.002	0.13	0.01	0.12	<0.01	0.04	0.20
D2 65835		301.2	21.67	0.029	0.033	0.030	1.29	0.80	1.28	0.08	0.62	0.01
D2 65836		314.8	21.07	<0.002	<0.002	<0.002	0.14	0.03	0.13	0.01	0.02	0.06
D2 65837		289.7	27.95	0.044	0.018	0.042	0.19	0.05	0.18	0.02	0.04	0.20
D2 65838		303.4	18.65	<0.002	<0.002	<0.002	0.02	<0.02	<0.02	<0.01	<0.01	<0.01
D2 65839		299.4	25.48	<0.002	0.010	<0.002	0.06	0.01	0.06	<0.01	0.06	0.18
D2 65840		303.1	18.93	<0.002	<0.002	<0.002	0.06	0.05	0.06	<0.01	0.09	0.20
D2 65841		292.2	20.78	<0.002	<0.002	<0.002	0.04	<0.02	0.04	0.03	0.01	0.02

Registered Assayer, Province of British Columbia

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Certificate of Analysis

REPORT: V88-07419.4 | PROJECT: GLACIER | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	WT-150 G	WT+150 G	Au-150 OPT	Au+150 MG	Au TOT OPT	Ag-150 OPT	Ag+150 MG	Ag Tot OPT	Cu PCT	Pb PCT	Zn PCT
D2 65842		299.8	24.35	<0.002	0.010	<0.002	<0.02	0.01	<0.02	<0.01	<0.01	<0.01
D2 65843		296.1	35.60	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01
D2 65844		317.2	16.07	0.032	0.028	0.033	0.42	0.11	0.41	0.02	0.10	0.50
D2 65845		295.4	21.34	0.002	0.002	0.002	0.12	0.10	0.12	<0.01	0.04	0.06
D2 65846		301.8	11.21	0.013	0.010	0.013	0.08	0.01	0.08	<0.01	0.07	0.15
D2 65847		318.4	16.13	0.021	0.006	0.021	0.25	0.07	0.24	<0.01	0.33	1.30
D2 65848		296.1	19.60	0.005	0.010	0.006	0.19	0.01	0.18	<0.01	0.26	0.56
D2 65849		339.3	10.44	0.025	0.034	0.027	0.56	0.09	0.55	0.21	0.04	0.13
D2 65850		340.9	20.23	0.005	0.010	0.006	0.10	0.01	0.09	0.01	0.06	0.12
D2 89011		307.8	25.93	0.002	0.002	0.002	0.22	0.09	0.21	0.04	0.01	0.10
D2 89012		312.4	22.11	<0.002	<0.002	<0.002	0.06	<0.02	0.06	0.01	<0.01	0.01
D2 89013		320.4	18.78	<0.002	<0.002	<0.002	0.06	<0.02	0.06	0.01	0.08	0.04
D2 89026		310.3	17.76	<0.002	<0.002	<0.002	0.03	<0.02	0.03	<0.01	<0.01	0.07
D2 89027		311.0	18.35	0.003	0.010	0.004	0.14	0.01	0.13	<0.01	0.07	0.39
D2 89028		322.9	14.23	<0.002	<0.002	<0.002	0.51	0.29	0.51	0.01	0.02	0.04
D2 89029		304.5	20.56	0.007	0.020	0.008	0.20	0.07	0.19	0.03	0.06	0.52
D2 89030		304.0	14.11	0.002	0.006	0.002	3.81	9.52	4.51	0.03	0.04	0.34
D2 89031		308.7	25.45	0.161	0.225	0.168	0.74	0.64	0.74	0.31	0.20	0.02
D2 89032		301.0	11.37	0.082	0.050	0.084	1.48	1.32	1.55	0.26	0.10	0.15
D2 89033		356.7	14.58	0.138	0.233	0.151	14.38	27.08	15.94	0.40	0.06	0.01
D2 89034		303.9	11.56	<0.002	0.006	<0.002	0.19	0.10	0.19	0.02	0.02	0.03
D2 89035		337.4	14.59	<0.002	<0.002	<0.002	0.17	0.04	0.17	0.01	0.13	0.42
D2 89036		307.5	14.09	<0.002	0.010	<0.002	0.04	0.01	0.04	<0.01	0.04	0.08
D2 89037		300.8	17.80	<0.002	0.010	<0.002	<0.02	0.01	<0.02	<0.01	0.01	0.01
D2 89038		328.7	27.13	<0.002	0.010	<0.002	0.02	0.01	<0.02	<0.01	0.01	0.01
D2 89039		292.0	21.48	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.01	0.01	0.03
D2 89040		324.0	26.32	<0.002	<0.002	<0.002	0.08	0.17	0.09	<0.01	0.10	0.18
D2 89041		328.5	17.06	<0.002	<0.002	<0.002	0.05	<0.02	0.05	<0.01	<0.01	<0.01
D2 89042		298.7	14.30	<0.002	0.010	<0.002	0.05	0.01	0.05	<0.01	0.03	0.06
D2 89043		302.4	27.51	<0.002	<0.002	<0.002	0.06	<0.02	0.06	<0.01	0.04	0.05
D2 89044		316.8	16.56	<0.002	<0.002	<0.002	0.06	<0.02	0.06	0.01	0.02	0.06
D2 89045		329.1	25.07	<0.002	<0.002	<0.002	0.07	<0.02	0.07	0.01	0.04	0.13
D2 89046		318.7	24.00	<0.002	<0.002	<0.002	0.05	0.02	0.05	0.01	0.03	0.08
D2 89047		318.5	20.50	0.002	<0.002	0.002	0.08	0.02	0.08	0.01	0.10	0.20
D2 89049		304.9	21.30	<0.002	0.002	<0.002	0.06	0.04	0.06	<0.01	0.04	0.05
D2 89050		336.3	25.00	<0.002	<0.002	<0.002	0.04	<0.02	0.04	0.01	0.01	0.02

Registered Assayer, Province of British Columbia

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED: Aug. 31 - Sept. 1, 1988
COMPANY NAME: Golden Glacier Resources Inc.
PROPERTY NAME: American Creek - AM-1

HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
20.9m 68.7'	23.7m 78.0'	(cont.)	fragments in siltstone, volcanic tuff with darker green crystals,					
			diffuse, and high relief, light brown/blue alteration crystals					
			becoming more common - sericite?, very narrow stringers of					
			carbonate at 65° to core axis, bleached margins to stringers					
			from 76.5'.					
23.7m 78.0'	25.3m 83.0'	1.5m 5.0'	Pale green altered tuff, silicified, carbonatization in part, minor					
			disseminated pyrite, very fractured - oxidized, rusty, discoloured -					
			oxidized sulphides or carbonate?, fractures at 40° to core axis,					
			some apparently with stringers quartz carbonate but rusty weather-					
			ing occurs.					
25.3m 83.0'	30.6m 100.3'	5.3m 17.3'	Volcanic tuffs, part altered, part unaltered, silicified crystal					
			tuff.					
			83.0'-84.2' - dark green "unaltered" tuff, alteration front at 83.6'					
			at 70° to core axis.					
			84.2'-87.6' - pale green, altered, silicified crystal tuff,					
			alteration front at 84.2' at 30° to core axis.					

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
25.3m 83.0'	30.6m 100.3'	(cont.)	84.2'-87.6' - minor disseminated pyrite.					
			87.6' - alteration contact at 35° to core axis, coincident with					
			rusty, oxidized quartz carbonate vein/shear at 35° to core axis.					
			87.6'-100.3' - dark green, silicic, crystal tuff, crystals to					
			5 mm, feldspar, irregular dark green, diffuse crystals - had					
			considered a dyke but alteration margins indicate as a crystal					
			tuff, relatively homogeneous, increasing minor pyrite, dissemi-					
			nated and high relief sericite alteration. 100.0'-100.3' - becomes					
			bleached, pale green and pyritic to contact with fine grained					
			siltstone - contact at 35°-40° to core axis, irregular.					
30.6m 100.3'	32.2m 105.5'	1.6m 5.2'	Dark grey, fine grained siltstone, very minor disseminated pyrite.					
			101.5' - quartz carbonate vein at 75° to core axis, 1" thick, no					
			sulphides, with 0.3' of black argillite, brecciated, with argillite					
			fragments in siltstone from 101.7' to 102.1'.					
			103.0'-104.0' - black argillite fragments in siltstone.					

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HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
32.2m 105.5'	32.9m 108.0'	0.8m 2.5'	Shear/fracture zone, brecciated siltstone and black argillite - contacts at 80° to core axis cut by carbonate veins at 40° to 30° to core axis, minor disseminated pyrite.					
32.9m 108.0'	33.7m 110.5'	0.8m 2.5'	Black argillite, faint banding at 20° to core axis, graded bedding.					
33.7m 110.5'	35.0m 114.8'	1.3m 4.3'	Dark grey, fine grained siltstone, contact at 110.5' at 25° to core axis.					
35.0m 114.8'	37.3m 122.5'	2.3m 7.7'	Medium green, altered, silicified crystal tuff, contact at 114.8' at 45° to core axis, quartz carbonate vein at 116.5' at 70° to core axis, no sulphides.					
37.3m 122.5'	38.2m 125.5'	0.9m 3.0'	Pale green, altered, silicified tuff, no relict texture discernible, diffuse quartz stringers.					
38.2m 125.5'	42.3m 139.0'	4.1m 13.5'	Pale green crystal tuff, altered, silicified, increased feldspar crystals from 125.5' - to 5 mm across in crystalline fragment					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn
38.2m 125.5'	42.3m 139.0'	(cont.)	matrix/groundmass, stringers and veins quartz and quartz carbonate,									
			several veins with minor siderite, galena, sphalerite, chalco-									
			pyrite associated several vein and in quartz carbonate breccia									
			filling.									
			125.5'-126.1' - feldspar crystalized tuff, increased disseminated									
			pyrite.									
			126.1'-126.2' - quartz carbonate veinlet, ½", at 85° to core axis,									
			chalcopyrite in carbonate, rim of siderite.									
			126.2'-128.0' - minor veinlets sphalerite, galena at various									
			angles to core axis.	38.4m 126.0'	33.8m 127.5'	1.5'						
			128.0'-129.0' - quartz carbonate - ankerite veins, at 80° to	38.8m 127.5'	39.3m 129.0'	1.5'						
			core axis at 128.6' and at 20° to core axis at 128.5' where									
			another vein at 80° to core axis cuts it off, vuggy quartz,									
			sphalerite, galena, minor chalcopyrite.									
			129.0'-130.5' - broken pale green tuff, less feldspar crystal,									
			no sulphides.									
			130.5'-132.5' - contact to feldspar rich tuff at 65° to core	39.8m 130.5'	40.4m 132.5'	2.0'						
			axis, stringers at 80° to core axis with sphalerite, galena.									

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
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HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
38.2m 125.5'	42.3m 139.0'	(cont.)	131.0' - 1" vuggy, quartz carbonate vein, sheared margins, at											
			85° to core axis, rusty oxidized sphalerite?, fractures at 60°											
			to core axis to 132.5' rusty oxidized, also stringers quartz with											
			sphalerite, galena to 132.5'.											
			133.2'-134.0' - brecciated, quartz veins at 70° to core axis,											
			barren.											
			134.0'-136.0' - pale green altered tuff, stringers/veinlets with	40.8m 134.0'	41.4m 136.0'	2.0'								
			sphalerite, galena at 45°-55° to core axis.											
			138.0'-139.0' - fractures at 70° to core axis, much oxidized,											
			rusty.											
42.3m 139.0'	43.9m 144.0'	1.5m 5.0'	Darker green, less bleached, similar tuff, feldspar crystal											
			noticeable.											
43.9m 144.0'	47.2m 155.0'	3.3m 11.0'	Pale green, bleached crystal tuff, quartz stringers and quartz											
			carbonate veins, less bleached sections.											
			146.3'-146.5' - quartz carbonate veins at 85° to core axis and	44.2m 145.0'	44.8m 147.0'	2.0'								
			40° to core axis, intersect outside plane of core, sphalerite											

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PROPERTY NAME American Creek - AM-1

HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn
43.9m 144.0'	47.2m 155.0'	(cont.)	galena in veins.									
			153.0'-155.0' - stringers with sphalerite, galena and dark specks	46.6m 153.0'	47.2m 155.0'	2.0'						
			in matrix, suspect as disseminated sphalerite galena, minor to									
			very minor disseminated pyrite.									
47.2m 155.0'	48.1m 158.0'	0.6m 2.0'	Broken ground, brecciated, fractured, sheared, rusty oxidized									
			altered tuff and black argillite, relict quartz vein at 30° to									
			core axis, tuff argillite contact at 80° to core axis.									
48.1m 158.0'	48.8m 160.0'	0.6m 2.0'	Pale green altered tuff, feldspar crystals prominent, stringers	48.2m 158.0'	48.8m 160.0'	2.0'						
			and veins quartz and quartz carbonate with sphalerite, galena,									
			disseminated sphalerite in part in tuff - remnant stringers									
			subsequently altered?, quartz carbonate siderite vein at 50° to									
			core axis at 158.2', 1" thick, stringer with sphalerite, galena									
			at 158.5' at 25° to core axis, vein at 159.0' with galena,									
			sphalerite at 70° to core axis.									

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-5

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
48.8m 160.0'	52.7m 173.0'	2.1m 7.0'	Pale-medium green altered tuff, fractured, soft gougy fractures					
			at 75°-80° to core axis, feldspar crystals noticeable but diffuse					
			outlines.					
52.7m 173.0'	54.9m 180.0'	2.1m 7.0'	Pale green, bleached, altered, silicified tuff, crystal tuff - but					
			crystal outlines diffuse and obscured, minor disseminated pyrite.					
			173.0'-174.0' - brecciated ground.					
			178.0'-179.0' - rusty oxidized fractures, disseminated sulphides.					
54.9m 180.0'	58.8m 193.0'	3.9m 13.0'	Sheared breccia zone, black argillite and altered tuff intermixed,					
			dark grey siltstone, quartz stringers, black argillite bands,					
			coarser grey siltstone bands to end of hole at 193.0'.					
			58.8m 193.0' - end of hole.					

GEOLOGICAL ASSOCIATION OF CANADA
GORDON D. HOUSE
FELLOW

Diamond Drill Record

SAWYER CONSULTANTS INC.

COLLAR:	HOLE SURVEY		
Metric: 3+42N	METHOD: -		
1+97E	FOOTAGE	AZIMUTH	DIP
ELEVATION 4100' ASL	0	080°	-50°
CORE SIZE BQ			
LOGGED BY Gordon D. House			
DATE LOGGED Sept. 1-2, 1988			
MAP REFERENCE No. 104 A/5			

COMPANY NAME GOLDEN GLACIER RESOURCES INC.
PROPERTY NAME American Creek - AM-1
DRILLING CONTRACTOR Len's Drilling Ltd.
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE To test down dip extension of surface vein systems

HOLE No. 88-6
CLAIM NAME/No. AM-1
COMMENCED Aug. 31, 1988
FINISHED Sept. 2, 1988
FINAL DEPTH 198.0' 60.3m
PROJECT No.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	No.							
0 0	0.9m 3.0'		Casing.											
0.9m 3.0'	20.4m 67.0'	19.5m 64.0'	Dark grey siltstone, fine grained, coarser bands, suggestion of rhythmic sedimentation, Bouma sequence? turbidites?, 2.5' graded bed, black argillite bands with minor disseminated pyrite, rip-up argillite clasts noted, brecciated fracture zones, shear zones, quartz carbonate and quartz veining and stringers, minor to very minor disseminated pyrite.											
			3.0'-8.0' - rusty, oxidized fractures.											
			10.5'-13.3' - graded bed sequence from dark argillite band to coarse siltstone/sandstone at 13.3' contact at 50°, fragments black argillite in bottom 1.0' - rip-up clasts.											
			15.7'-16.2' - large rip-up clasts argillite in sandstone matrix, contact at 50° to core axis.											
			23.0'-26.0' - black argillite band, brecciated zone quartz											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Sept. 1-2, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
0.9m 3.0'	20.4m 67.0'	(cont.)	carbonate, healed from 23.2'-24.2', no attitudes.					
			30.0'-32.5' - black argillite, breccia zone, quartz carbonate					
			veined, minor pyrite.					
			37.5'-38.1' - quartz carbonate vein, stringer zone, at 65° to					
			core axis, minor disseminated pyrite.					
			40.0'-45.0' - grey siltstone with large, to 6", black argillite					
			fragments.					
			45.0'-47.0' - banded argillite, bands at 20°-25° to core axis.					
			47.0'-53.0' - siltstone with large argillite fragments up to 6"					
			long.					
			53.0'-58.5' - grey siltstone, homogeneous.					
			58.5'-60.5' - black argillite, minor disseminated pyrite, quartz					
			carbonate vein at 15° to core axis, no sulphides.					
20.4m 67.0'	26.7m 87.5'	6.2m 20.5'	Dark green, altered, silicified crystal tuff, diffuse relict					
			texture; vague crystal outlines, minor disseminated pyrite,					
			slight carbonatization, stringers quartz and quartz carbonate.					
			72.0'-73.6' - shear zone, quartz carbonate vein at 15° to core axis.					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
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HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
20.4m 67.0'	26.7m 87.5'	(cont.)	84.2'-84.8' and 86.8'-87.1' - altered bleached halo to ½" in wall rock beside quartz carbonate stringers.					
26.7m 87.5'	29.9m 98.0'	3.5m 11.5'	Bleached, altered, crystal tuff, quartz carbonate siderite vein - 4" wide, grey siltstone and argillite - brecciated in part, bleached, altered, silicified crystal tuff quartz veins, rusted, oxidized fracture at 5° to 10° to core axis. 87.5'-88.7' - bleached crystal tuff, narrow stringers at 25° to 30° to core axis, minor sphalerite, galena associated. 88.7'-89.1' - quartz carbonate siderite vein at 85° to core axis, breccia fragments, black argillite incorporated. 89.1'-91.3' - grey siltstone, quartz stringers, black argillite to footwall contact at 20° to core axis. 91.3'-94.0' - bleached, altered, silicified crystal tuff, quartz vein ½" at 20° to core axis at 93.5'. 94.0'-98.0' - fracture at 5° to core axis in darker green crystal tuff, rusty oxidation/weathering to 1" from fracture.					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn
29.9m 98.0'	42.9m 140.8'	13.0m 42.8'	Altered, silicified, volcanic crystal tuff, bands of fine grained crystal tuff, feldspar rich crystal tuff, zones fracturing with rusty oxidation, quartz and quartz carbonate stringers and veins, breccia zones with quartz carbonate siderite veining. 98.0'-103.5' - medium green, silicified, altered crystalline tuff, indistinct texture. 103.5'-112.0' - more altered tuff, more bleached after a quartz stringer at 75° to core axis at 103.5'; quartz carbonate fracture filling at from 25° to 35° to core axis at 104.2'-105.0'; minor pyrite. 112.0'-122.0' - pale green, altered, silicified tuff, increased feldspar content, more noticeable feldspar crystals in crystal tuff. 122.0'-125.5' - fracture zone, rusty oxidation from fractures into wall rock - from 123.0' there are narrow veinlets and stringers quartz carbonate with sphalerite and galena in bleached, altered tuff. 125.5'-129.5' - quartz carbonate stringers, stockwork with										
				37.4m 123.0'	38.2m 125.5'	2.5'						
				38.2m 125.5'	38.9m 127.5'	2.0'						
				38.9m 127.5'	39.5m 129.5'	2.0'						

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 25-26, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
11.9m 39.0'	19.8m 65.0'	(cont.)	63.0'-65.0' - irregular fracture shear, rusty, oxidized, altered					
			tuff.					
19.8m 65.0'	21.6m 71.0'	1.8m 6.0'	Shear breccia zone, bleached, altered, fragmental volcanics, much					
			fractured, oxidized, rusty planes, quartz carbonate veining and					
			breccia filling.					
			65.0'-68.5' - shear planes, fractures at 30° to core axis, much					
			bleached, altered, fragmental volcanics, quartz carbonate vein at					
			85° to core axis at 65.5'; 65.5'-67.0' - breccia with quartz					
			carbonate matrix, very bleached, fragmental volcanics;					
			68.0' - oxidized, rusty shear plane at 40° to core axis, bleached					
			wall rock.					
21.6m 71.0'	32.6m 107.0'	11.0m 36.0'	Fragmental volcanics, pale green to dark green to black, fragments					
			from lapilli to almost cobble size, shear zones with quartz					
			carbonate stringers/veins, quartz carbonate veining.					
			71.0'-81.0' - pale to medium green fragmental volcanics, increasing					
			fragment size to 81.0', quartz carbonate veining at 71.0', 72.0',					

Diamond Drill Record

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
21.6m 71.0'	32.6m 107.0	(cont.)	74.0', 79.5' at 75° to 80° to core axis, minor disseminated pyrite					
			in volcanics, increased amounts adjacent to quartz carbonate veins					
			and stringers.					
			81.0'-82.5' - shear zone, quartz carbonate stringers at 30° to 35°					
			to core axis over 2.5', darker colour fragmental volcanics.					
			82.5'-86.0' - dark coloured fragmental volcanics, much quartz					
			carbonate veining/stringers at 60° to 70° to core axis.					
			86.0'-97.0' - medium green fragmental volcanics, less quartz					
			carbonate veining except from 92.0' to 95.0' where irregular					
			quartz carbonate stringer from 25° to 40° to core axis; 95.5' - 5"					
			quartz carbonate vein at 40° to core axis, gouge associated.					
			97.0'-107.0' - dark green fragmental volcanics; reddish-maroon					
			hematite alteration becoming more noticeable from 100.0', quartz					
			carbonate veins at 80° to core axis, at 97.0', and at 98.0'					
			brecciated slightly, red hematite alteration, quartz carbonate					
			veins at 75° to core axis at 102.2', red hematite alteration in					
			footwall fragmental volcanics, quartz carbonate vein at 45° to					
			core axis at 107.0'.					

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COMPANY NAME Golden Glacier Resources Inc.
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HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	No.							
32.6m 107.0'	37.2m 122.0'	4.6m 15.0'	Fragmental volcanics, red-maroon hematitic alteration, shear											
			zone - fault gouge - oxidized, rusty alteration associated,											
			minor quartz carbonate veining, all generally at 45° to core axis.											
			108.7'-111.0' - bleached, oxidized shear zone, rust, planes with											
			quartz carbonate veining at 45° to core axis, brecciated from											
			109.5'-110.2' with quartz carbonate matrix/vein at 25° to core											
			axis.											
			111.0'-114.2' - red hematitic alteration in matrix of fragmental											
			volcanics.											
			114.2' - quartz carbonate vein to ½" at 45° to core axis.											
			114.2'-122.0' - fragmental volcanics, minor disseminated pyrite,											
			increasing red hematite alteration to 122.0'.											
37.2m 122.0'	40.2m 132.0'	3.0m 10.0'	Fragmental volcanics, sheared, red hematite alteration of fragments											
			in part, quartz carbonate veins, much disseminated pyrite, blebs											
			to ¼".											
			122.0'-123.5' - red hematite altered fragments, fine grained green											
			matrix, quartz carbonate veins at 20° to core axis at 122.5',											

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HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
37.2m 122.0'	40.2m 132.0'	(cont.)	brecciated with red hematite, altered fragments and quartz					
			carbonate filling/veins at 20°-45° to core axis, from 122.5'-					
			123.5' - much disseminated pyrite blebs.					
			123.5'-130.0' - similar fragmental tuff, red hematite alteration					
			fragments, quartz-pyrite stringers sub-parallel to core axis to 5°					
			to core axis from 123.0'-128.0', quartz carbonate stringers at 75°					
			to core axis, 130.0'-132.0' - much disseminated pyrite blebs.					
			-					
40.2m 132.0'	46.6m 153.0'	6.4m 21.0'	Dark green fragmental volcanics, fragments to 6" across, sub-					
			angular to angular in coarser sizes, shear zone at 40° to core					
			axis with quartz carbonate veining, bleached, altered zone					
			associated breccia/shear zone, less coarse fragmental volcanics					
			with red hematite alteration of matrix, much disseminated pyrite					
			throughout.					
			132.0' - 2" quartz carbonate vein at 25° to core axis; 132.0'-					
			136.5' - fragmental volcanics, green, disseminated blebs pyrite.					
			136.5'-141.0' - sheared, dark green fragmental volcanics, altered,					
			kaolinized? quartz carbonate veins/stringers throughout from 20°					

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HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
40.2m 132.0'	46.6m 153.0'	(cont.)	to 35° to core axis.					
			141.0'-143.0' - bleached alteration zone around quartz carbonate					
			vein at 45° to core axis, relect texture preserved.					
			143.0'-153.0' - dark green fragmental volcanics, red hematite					
			alteration in part, coarse fragments, quartz carbonate veins at					
			145.5' and 151.5' at 30° to core axis.					
46.6m 153.0'	55.2m 181.0'	8.5m 28.0'	Dark green to pale green fragmental volcanics, disseminated pyrite					
			throughout, quartz carbonate veins and stringer zones.					
			153.5'-156.5' - zone quartz carbonate veins at 35° to core axis,					
			at 153.5'-154.5' with quartz carbonate veins/stringers at 5°-20°					
			to core axis to 156.5' where cut off by quartz carbonate vein at					
			85° to core axis, blebs pyrite disseminated throughout.					
			159.0'-161.0' - lapilli tuff layering at 60° to core axis, actually					
			healed breccia zone.					
			161.0'-181.0' - medium green fragmental volcanics, fragments to 2",					
			associated volcanic fragments in fine grained green matrix, much					
			disseminated pyrite and blebs pyrite associated with quartz					

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HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
46.6m 153.0'	55.2m 181.0'	(cont.)	carbonate veins, which occur at 165.0', 166.0', 167.5', 175.5',					
			178.0', 180.0' - all at 25° to 35° to core axis.					
55.2m 181.0'	56.4m 185.0'	1.2m 4.0'	Bleached altered zone, brecciated shear, quartz carbonate veining					
			at 35° to 40° to core axis, disseminated pyrite.					
56.4m 185.0'	71.3m 234.0'	14.9m 49.0'	Pale green to dark green fragmental volcanics, tuffs, altered in					
			part, bleached, porcellaneous in part, quartz carbonate veining,					
			breccia zones, shear zones, disseminated pyrite and healed shears.					
			185.0'-191.0' - dark green volcanic tuff, quartz carbonate					
			stringers/shears at 30° to core axis, from 185.0'-186.5' non-frag-					
			mental tuff.					
			191.0'-198.0' - altered, brecciated, porphyry dyke rock, altered					
			but relict feldspar - pyroxene porphyroblasts "ghosts" throughout,					
			silicified, much veined + broken quartz carbonate veins at 191.5'					
			at 80°, at 193.5' at 70° + 35°, at 194.0' at 80°, at 195.0'-196.0'					
			series at 75°, at 197.0' and 198.0' at 80° and cut by 20° stringer,					
			disseminated pyrite and incipient feldspathization.					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
56.4m 185.0	71.3m 234.0	(cont.)	198.0'-199.5' - parallel 4" & 6" quartz carbonate veins at 30°					
			to core axis.					
			199.5'-201.2' - quartz carbonate veined porphyry dyke, brecciated					
			and altered to 201.2', stringers at 80° to core axis, silicified.					
			201.2'-203.0' - bleached, altered, volcanic tuff, buff-brown colour					
			brecciated quartz carbonate veining at 5° and 20°, healing breccia					
			shear, chalcopyrite in quartz carbonate vein at 201.5'.					
			203.0'-213.0' - bleached, altered, brecciated tuff, silicified,					
			disseminated pyrite, stringers quartz carbonate and pyrite, carbon-					
			atized to 213.0', veins/stringers at 30° and 80° to core axis.					
			213.0'-234.0' - bleached, buff-brown, altered tuff, brecciated and					
			quartz carbonate veined, stringers, generally at 80° and 30° to					
			core axis. 217.0'-220.0' - buff-brown, fine grained porcellaneous					
			altered tuffs, quartz pyrite stringers at 30° to core axis - quartz					
			vein at 80° to core axis at 218.0'. 220.0'-227.0' - pale green-					
			buff altered volcanic tuff, diffuse boundaries to quartz carbonate					
			veins at 80° to core axis. 227.0'-234.0' - pale green-buff tuff,					
			less veining. 1.0' shear at 227.0' at 45° to core axis, quartz					

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HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
56.4m 185.0'	71.3m 234.0'	(cont.)	pyrite stringers at 30° to core axis.					
71.3m 234.0'	76.05m 249.5'	4.4m 14.5'	Pale green, buff-brown, porcellaneous, bleached, altered tuff,					
			major breccia zone, very brecciated - silicified, healed quartz					
			very strongly silicified, almost replacement tuff fragments, very					
			broken, brecciated, major quartz veins at 70° to core axis.					
			234.0'-246.0' - buff coloured, very strongly silicified breccia					
			zone, disseminated pyrite, quartz veining, + breccia matrix, quartz					
			veins at 235.6' at 80° to core axis, at 237.0' at 70° to core axis,					
			from 237.0'-238.0' at 20° to core axis, and at 70° to core axis					
			at 238.0', at 239.0'-239.5' at 70° to core axis, at 241.0' and					
			242.2' at 75° to core axis with much diffuse stringers.					
			246.0'-249.5' - pale green-buff, porcellaneous, highly silicified					
			tuff, disseminated pyrite, much shattered tuff breccia fragments,					
			quartz veining, diffuse, generally at 65°-80° to core axis.					
76.05m 249.5'	80.6m 264.5'	4.26m 14.0'	Black, sheared, brecciated argillite with mafic quartz carbonate					
			veining, horsts of buff-brown-green, porcellaneous, bleached tuff,					

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COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
76.05m 249.5'	80.6m 264.5'	(cont.)	very brecciated and silicified, dark grey, fine grained siltstone, quartz veining, disseminated pyrite.									
			249.5'-251.0' - black, sheared argillite with breccia fragments of bleached tuff, contact at 249.5' at 40° to core axis, shear planes of breccia fragments at same angle to core axis as far as 251.0'.									
			251.0'-252.0' - massive quartz carbonate vein, incorporating argillite fragments along shear planes, slickensides at 40° to core axis, some disseminated pyrite, last 0.2' to 252.0' is black gouge, clay, mud with quartz fragments.	76.5m 251.0'	76.8m 252.0'	1.0'						
			252.0'-253.0' - change to dark grey siltstone, fine grained - no attitudes, minor quartz carbonate stringers at 50° to core axis at 252.2'.									
			253.0'-257.6' - dark grey siltstone, very broken from 253.0'-254.5', from 257.4'-257.6' is black argillite with quartz fragments, contact at 257.4' to grey siltstone at 55° to core axis, contact at 257.6' to bleached tuff at 80° to core axis.									
			257.6'-260.5' - bleached, altered buff-brown tuff, silicified, contact at 260.5' at 60° to core axis, sharp.									

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HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
76.05m 249.5'	80.6m 264.5'	(cont.)	260.5'-264.5' - dark grey siltstone, 0.2' black argillite at 260.5',					
			and from 261.5'-264.5' with quartz carbonate veins at 80° to core					
			axis at 262.3', quartz stringers at 70° to core axis from 262.5'-					
			264.5'.					
80.6m 264.5'	83.8m 275.0'	3.35m 11.0'	Dark grey siltstone, disseminated pyrite, quartz stringers at high					
			angles to core axis, black argillite partings to 0.1' to 0.2',					
			gouge in part, broken ground - sheared to 275.0'.					
			267.0'-267.2' - black argillite parting at 75° to core axis.					
			270.0'-270.3' - black argillite parting at 70° to core axis,					
			sheared and now black clay gouge, appears graphitic.					
			271.0'-272.2' - black argillite, parting at 70° to core axis.					
			273.0'-274.5' - broken ground, grey siltstone.					
			274.5'-275.0' - black sheared argillite, gouge, graphitic, pyrite.					
83.8m 275.0'	86.25m 283.0'	1.8m 6.0'	Brecciated quartz carbonate vein, black shale/argillite/graphite					
			partings, at high angles, hangingwall contact at 70° to core axis,					
			very broken ground, pebbly "marbles" to grey siltstone, very					

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HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
83.8m 275.0'	86.25m 283.0'	(cont.)	broken in part.									
			275.0'-277.0' - quartz carbonate vein, minor disseminated pyrite.	83.8m 275.0'	84.12m 276.0'	1.0'						
			277.0'-281.5' - broken ground up pebbles, quartz carbonate vein	84.12m 276.0'	84.4m 277.0'	1.0'						
			material.									
			281.5'-283.0' - dark grey siltstone, broken.									
86.25m 283.0'	89.3m 293.0'	2.3m 7.5'	Black, brecciated argillite, quartz-siderite-carbonate vein with									
			sulphides - pyrite, chalcopyrite, minor galena, broken vein									
			material, dark grey siltstone, broken in part, minor quartz									
			stringers.									
			283.0'-289.0' - 3.5' recovered, at 283.0' - 6" broken black	86.4m 283.5'	86.7m 284.5'	1.0'						
			argillite, siliceous, sheared, then 2.0' solid core, upper 6" in	86.7m 284.5'	87.0m 285.5'	1.0'						
			quartz siderite - carbonate vein with hangingwall sheared black									
			argillite with quartz fragment, quartz siderite vein at 50° to									
			core axis, - 0.35' thick - true width banded, vuggy quartz siderite									
			vein, vein pyrite with abundant chalcopyrite at 50° to core axis,									
			speck galena noted. 285.9'-289.0' - about 2.0' broken ground,									
			grey siltstone, fractured.									

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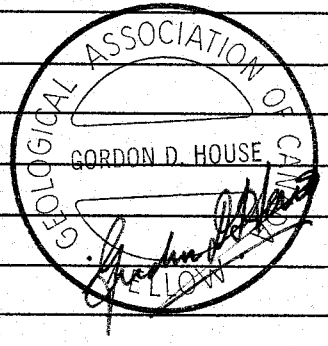
PROPERTY NAME American Creek - AM-1

HOLE No. 88-2

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
86.25m 283.0'	89.3m 293.0'	(cont.)	289.0'-293.0' - dark grey siltstone, less broken, quartz carbonate					
			vein at 291.0' at 60° to core axis.					
89.3m 293.0'	90.8m 298.0'	1.5m 5.0'	Dark grey siltstone, solid core, quartz carbonate veins at 294.0'					
			at 45° to core axis and at 296.0' and 297.5' at 50° to core axis.					
			90.8m 298.0' - end of hole.					



Diamond Drill Record

SAWYER CONSULTANTS INC.

COLLAR:	HOLE SURVEY		
Metric: 3+60N	METHOD: -		
0+95E	FOOTAGE	AZIMUTH	DIP
ELEVATION 4210' ASL	0	085°	-50°
CORE SIZE BQ			
LOGGED BY Gordon D. House			
DATE LOGGED Aug. 27-29, 1988			
MAP REFERENCE No. 104 A/5			

COMPANY NAME GOLDEN GLACIER RESOURCES INC.
PROPERTY NAME American Creek - AM-1
DRILLING CONTRACTOR Len's Drilling Ltd.
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE To test depth extension of surface veins

HOLE No. 88-3
CLAIM NAME/No. AM-1
COMMENCED Aug. 26, 1988
FINISHED Aug. 28, 1988
FINAL DEPTH 253.0' 77.1m
PROJECT No.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
0 0	4.9m 16.0'		Casing, 1½' boulder cored.					
4.9m 16.0'	9.4m 31.0'	4.6m 15.0'	Fine grained, pale green-buff, altered, bleached tuff, dissemi-					
			nated pyrite, quartz carbonate veining, surface oxidation along					
			fractures to 25.0', quartz carbonate veining at 30° to core					
			axis, quartz carbonate stringers.					
			16.0'-20.5' - fractured surface oxidation, discolouration of					
			carbonate to brown-rust, quartz carbonate vein to ½" at 19.5',					
			disseminated pyrite throughout.					
			20.5'-23.5' - pale green colouration, fine grained, more quartz	7.0m 23.0'	7.62m 25.0'	2.0'		
			carbonate/siderite veins at 20.5' at 40° to core axis, at 23.2'	7.62m 25.0'	7.92m 26.0'	1.0'		
			at 40° to core axis + 23.5', pyrite, galena, sphalerite, minor					
			chalcopyrite.					
			23.5'-23.8' - quartz carbonate brecciated vein at 40° to core					
			axis, pyrite stringers, minor sphalerite, galena.					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Aug. 27-29, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-3

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
~~4.3m~~ 16.0'	~~9.4m~~ 31.0'	(cont.)	23.8'-24.2' - brecciated, pale green volcanic, altered pyrite.					
			24.2'-24.8' - quartz siderite vein at 40° to core axis, two					
			parallel veins, blebs galena, sphalerite and chalcopyrite in quartz.					
			25.1' + 25.7' - narrow quartz carbonate vein at 80° to core axis.					
			26.8'-26.9' - quartz carbonate, brecciated vein at 80° to core axis.					
~~9.4m~~ 31.0'	~~16.1m~~ 53.0'	~~6.7m~~ 22.0'	Medium to dark green volcanic tuff, fragmental in part, bleached					
			in part, much disseminated pyrite, quartz carbonate veins and					
			stringers throughout, carbonatized.					
			31.0'-36.0' - medum green, altered volcanic tuff, disseminated					
			pyrite, contorted quartz stringers, minor sericite alteration,					
			breccia zone at 31.5', 4".					
			36.0'-38.0' - buff-brown, bleached alteration, quartz carbonate					
			vein at 36.5' at 30° to core axis, minor sphalerite, pyrite.					
			36.8'-37.2' - series of quartz healed fractures at 30° to core					
			axis, pyrite filled, also black gouge.					
			38.0'-46.5' - darker green, altered mafic dyke, relict altered					
			mafic mineral crystal shapes - dark green-black, ghost texture					

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Sept. 1-2, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn
29.9m 98.0'	42.9m 140.8'	(cont.)	sphalerite, galena and minor chalcopyrite - all at from 30°-50° to									
			core axis.									
			129.5'-130.0' - breccia zone, fracture zone - rusty, oxidized,									
			weathered.									
			130.0'-131.0' - very broken, oxidized, rusty zone, brecciated,									
			gouge and mud, sulphides leached - fractures at approx. 45° to									
			core axis.									
			131.0'-132.5' - quartz carbonate siderite veins at 80° to core									
			axis, vuggy, sulphides, sphalerite, galena partly oxidized and									
			leached.	39.9m 131.0'	40.5m 133.0'	2.0'						
			133.0'-140.0' - bleached, fine grained tuff, silicified, narrow	40.5m 133.0'	41.1m 135.0'	2.0'						
			quartz carbonate or quartz siderite stringers veins - stockwork,	41.1m 135.0'	41.8m 137.0'	2.0'						
			with sphalerite, galena and minor chalcopyrite - all from 75° to									
			90° to core axis - from 137.0'-138.0' band of fragmental tuff,									
			fragments to 25 mm - bleached, no veining or sulphides.									
			138.0'-140.0' - quartz carbonate siderite stringers at 65°-75°	42.2m 138.5'	43.3m 142.0'	3.5'						
			to core axis.									

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Sept. 1-2, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
42.9m 140.0'	43.3m 142.0'	0.6m 2.0'	Brecciated shear fracture zone, quartz carbonate veined at 85°											
			to core axis on hangingwall contact, quartz carbonate siderite vein											
			to 2" at 80° to core axis, chalcopyrite.											
43.3m 142.0'	46.9m 154.0'	3.04m 10.0'	Dark grey siltstone, black argillite, quartz stringers at 80° to											
			core axis to 145.0'.											
			146.0'-148.0' - brecciated black argillite, broken ground.											
			149.0'-150.0' - quartz carbonate veining at 80° to core axis,	45.4m 149.0'	45.7m 150.0'	1.0'								
			to ½", with galena, sphalerite.											
			150.0'-154.0' - black argillite, very broken, fractured, quartz											
			carbonate vein at 153.2' at 75° to core axis, 2" width, lost core.											
46.9m 154.0'	47.7m 156.4'	0.7m 2.4'	Dark grey siltstone, clay gouge at 154.0', quartz carbonate											
			stringers at 50° to core axis at 155.8', contact to altered											
			volcanics at 156.4' at 30° to core axis.											
47.7m 156.4'	48.5m 159.0'	0.8m 2.6'	Pale green, silicified altered tuff, quartz stringers at 30° to											
			core axis at 158.0', minor disseminated pyrite.											

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Sept. 1-2, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn
48.5m 159.0'	49.07m 161.0'	0.45m 1.5'	Dark grey siltstone, to black fractured argillite, from 161.0' -									
			quartz carbonate vein ½" at 65° to core axis then black argillite									
			with quartz carbonate vein and stringers at 25°-30° to core axis.									
49.07m 161.0'	49.9m 164.0'	0.9m 3.0'	Pale green, altered tuff, increased content feldspar crystals,									
			diffuse borders, minor disseminated pyrite, contact at 161.0'									
			to black argillite at 50° to core axis.									
49.9m 164.0'	53.0m 174.0'	3.04m 10.0'	Pale green altered tuff, increased carbonatization noted, quartz									
			carbonate stringers at 30° to core axis with bleached alteration									
			halo to ½", from 164.0' to 165.0', then series quartz veins at									
			45° to core axis, bleached halos, minor disseminated pyrite.									
			165.0'-168.0' - fractured, altered tuff, quartz carbonate filling									
			at 166.0'-167.5'.									
			168.0'-171.5' - narrow stringers quartz and quartz carbonate	51.2m 168.0'	51.8m 170.0'	2.0'						
			with sulphides, sphalerite, galena, at 171.5 oxidized quartz	51.8m 170.0'	52.4m 172.0'	2.0'						
			carbonate siderite vein, ½", with sphalerite, chalcopyrite.	52.4m 172.0'	53.0m 174.0'	2.0'						
			171.5'-174.0' - similar, stringers quartz carbonate with									

Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Sept. 1-2, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS Au	Ag	Cu	Pb	Zn		
49.9m 164.0'	53.0m 174.0'	(cont.)	sphalerite, chalcopyrite.											
53.0m 174.0'	53.9m 177.0'	0.9m 3.0'	Black argillite, banded - graded bedding with pyrite crystals											
			at base beds in coarser silt - sandstone sizes, banding at 25°											
			to core axis.											
53.9m 177.0'	55.0m 180.5'	1.1m 3.5'	Dark grey siltstone, fractured in part, minor quartz carbonate											
			stringers.											
55.0m 180.5'	55.6m 182.5'	0.6m 2.0'	Quartz carbonate veins at 80°-85° to core axis, galena, sphalerite,											
			minor chalcopyrite vein at 180.5'-180.7' and 181.7'-182.0',	55.0m 180.5'	55.6m 182.5'	2.0'								
			quartz stringers at 20° to core axis between.											
55.6m 182.5'	57.3m 188.0'	1.8m 6.0'	Dark grey siltstone, black argillite band at 185.0'-185.5' at											
			30° to core axis.											
57.3m 188.0'	57.9m 190.0'	0.6m 2.0'	Quartz carbonate veins at 25° to 30° to core axis in grey silt-											
			stone, minor disseminated pyrite, quartz stringers.											

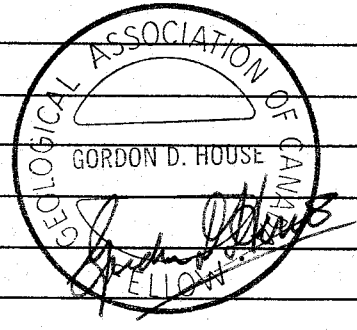
Diamond Drill Record

SAWYER CONSULTANTS INC.

DATE LOGGED Sept. 1-2, 1988
COMPANY NAME Golden Glacier Resources Inc.
PROPERTY NAME American Creek - AM-1

HOLE No. 88-6

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE No.	ASSAYS
57.9m 190.0'	60.3m 198.0'	2.4m 8.0'	Dark grey siltstone, uniform composition and size, at 193.5' and					
			194.5' are quartz stringer veins at 20° to core axis, no sulphides.					
			60.3m 198.0' - end of hole.					



APPENDIX II

Copy of Petrographic Report

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
A.L. LITTLEJOHN, M.Sc. Geologist
JEFF HARRIS, Ph.D. Geologist

P.O. BOX 39
8887 NASH STREET
FORT LANGLEY, B.C.
VOX 1JO

PHONE (604) 888-1323

Report for: Gordon House,
Sawyer Consultants Inc.,
701-525 Seymour St.,
Vancouver, B.C.
V6B 3H7

Invoice 7688

October 12th, 1988

Samples:

Two drill core samples, numbered 88GH-G1 and G2, for sectioning and petrographic examination. The samples were prepared as polished thin sections.

Summary:

Sample G1 is an intensely altered, fine-grained, andesitic volcanic - possibly a tuff. It is now composed largely of ankeritic carbonate and sericite. It contains sparse, disseminated pyrite.

Sample G2 is of vein aspect, and consists of an aggregate of sparry siderite with accessory quartz. Minor sulfides are principally chalcopyrite, as tiny, microfracture-controlled threads and specks in the siderite. Traces of several other sulfides are associated, and the assemblage includes fine-grained (10 - 15 microns) native gold or electrum.

Individual petrographic descriptions are attached.

J.F. Harris Ph.D.

(phone: 929-5867)

Sample 88GH-G1 CARBONATED VOLCANIC (TUFF?)

DDH 88-1-105'

Estimated mode

Felsitic plagioclase	25
Chlorite	10
Sericite	12
Quartz	1
Carbonate	50
Sphene) Rutile)	1
Pyrite	1

This sample is a very fine-grained, intensely altered rock of uncertain origin.

It is composed of minutely fine-grained, felsitic material (plagioclase) with varying proportions of intergrown chlorite, in intimate, patchy intergrowth with diffuse, wispy sericite and micritic carbonate.

The distribution of these components defines a small-scale, crypto-fragmental or relict porphyritic texture which suggests probable origin of the rock as a volcanic - possibly an andesitic tuff. Coarser fragmental features (brecciation?) are weakly distinguishable in the etched cut-off block.

Accessory rutile and leucoxene form irregular wisps and scattered clumps.

The rock is cut by a few more or less diffuse, thread-like segregations of slightly coarser carbonate.

Sulfides consist of sparse, randomly disseminated, individual grains of euhedral pyrite, 0.05 - 0.3mm in size. These appear homogenous, but for rare, minute inclusions of rutile and silicate matrix. The pyrite grains are typically fringed by fibrous, cherty quartz.

No accessory sulfides or gold were seen.

The pervasive carbonate in this rock was found, by XRD, to consist of ankerite. A few of the more clearly defined veinlets are reactive to dilute acid, and are presumably calcitic.

Sample GH88-G2 SPARRY SIDERITE WITH MINOR SULFIDES

DDH-88-7-135'

Estimated mode

Quartz	8
Siderite	90
Calcite	1
Chalcopyrite	1
Galena	trace
Tetrahedrite	trace
Pyrite	trace
Sphalerite	trace
Gold	trace

This sample consists essentially of a coarse, anhedral aggregate of sparry, pale brown carbonate. Grain size ranges up to 3 or 4mm.

The carbonate was identified by XRD scan as siderite.

Accessory quartz forms interstitial pockets, and occasional veinlets and/or intergranular fillings, in the siderite aggregate.

A minor phase of a different carbonate also forms hairline veinlets, sometimes associated with the quartz. This is reactive to dilute acid, and is presumably calcite.

The sample contains sparsely scattered sulfides. These are principally chalcopyrite, sometimes with associated tiny inclusions or intergrowths of galena and tetrahedrite. Rare sphalerite is also seen.

The chalcopyrite forms grains and pockets 10 microns to 1mm or more in size, clearly controlled by the same micro-fracture network that defines the hairline calcite and quartz threads. The sulfides sometimes form segments of these same veinlets.

Pyrite occurs as occasional small groups of tiny subhedral grains, moulded around by chalcopyrite, and sometimes having inclusions of galena.

Two instances of native gold (or electrum) were seen. One is a 15 micron inclusion in chalcopyrite moulded onto pyrite, and the other is a 10 micron bleb within pyrite.

APPENDIX III

Assay Summary Sheets
and
Copy of Certificate of Analysis

Project Name: American Creek, AM - Victoria K **Month** **Year**

Company: Golden Glacier Resources Inc. August 1988

Assay No.	D.D.H. No.	Footage	Width	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
39326	88-1	218.0'-219.0'	1.0'	0.007	0.04	0.01	<0.01	<0.01
39327		219.0'-221.0'	2.0'	0.002	0.20	0.03	<0.01	<0.01
39328		221.0'-222.0'	1.0'	0.005	0.25	0.02	0.02	0.05
39329		222.0'-223.0'	1.0'	0.175	4.02	0.80	0.14	0.09
39330		223.0'-225.0'	2.0'	0.004	0.23	0.04	0.02	0.16

5 Samples
Bondar-Clegg Report V88-07419.4

Note: Drill core stored adjacent to drill site.

Project Name: American Creek AM-1 Month Year

Company: Golden Glacier Resources Inc. August 1988

Assay No.	D.D.H. No.	Footage	Width	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
39331	88-2	8.5'-9.5'	1.0'	0.003	0.05	<0.01	0.04	0.09
39332		9.5'-10.5'	1.0'	0.003	0.07	0.01	0.02	0.10
39333		10.5'-12.5'	2.0'	0.004	0.10	0.03	0.02	0.08
39334		18.0'-19.0'	1.0'	<0.002	0.07	<0.01	0.12	0.16
39335		20.0'-22.0'	2.0'	0.007	0.14	<0.01	0.08	0.23
39336		22.0'-24.0'	2.0'	0.003	0.25	0.01	0.06	0.25
39337		24.0'-26.0'	2.0'	<0.002	0.12	<0.01	0.06	0.36
39338		26.0'-28.0'	2.0'	<0.002	<0.02	<0.01	<0.01	<0.01
39339		251.0'-252.0'	1.0'	<0.002	0.04	<0.01	0.01	0.03
39340		275.0'-276.0'	1.0'	<0.002	<0.02	<0.01	<0.01	<0.01
39341		276.0'-277.0'	1.0'	<0.002	<0.02	<0.01	<0.01	<0.01
39342		283.5'-284.5'	1.0'	0.047	2.52	0.23	0.11	0.13
30343		284.5'-285.5'	1.0'	<0.002	0.05	<0.01	<0.01	0.11

13 Samples
Bondar-Clegg Report V88-07419.4

Note: Drill core stored adjacent to drill site.

Project Name: American Creek AM-1 Month Year

Company: Golden Glacier Resources Inc. August 1988

Assay No.	D.D.H. No.	Footage	Width	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
39345	88-3	23.0'-25.0'	2.0'	<0.002	0.08	<0.01	0.06	0.49
39346		25.0'-26.0'	1.0'	0.012	0.60	0.07	0.22	0.18
39347		49.0'-50.5'	1.5'	0.002	0.03	<0.01	0.02	0.07
39348		53.0'-54.5'	1.5'	<0.002	<0.02	<0.01	<0.01	<0.01
39349		58.5'-59.5'	1.0'	<0.002	0.14	<0.01	0.01	0.04
39350		59.5'-61.0'	1.5'	<0.002	0.04	<0.01	0.01	0.19
65826		63.0'-65.5'	2.5'	0.004	0.08	0.01	0.01	0.11
65827		65.5'-67.0'	1.5'	<0.002	0.03	<0.01	0.01	0.11
65828		67.0'-68.0'	1.0'	<0.002	0.03	<0.01	0.01	0.03
65829		68.0'-70.0'	2.0'	0.003	0.03	<0.01	0.02	0.19
65830		70.0'-72.0'	2.0'	<0.002	0.04	0.01	<0.01	0.01
65831		76.0'-77.0'	1.0'	0.011	0.37	0.29	0.02	0.17
65832		77.0'-78.0'	1.0'	0.102	3.58	0.57	0.07	0.10
65833		78.0'-79.0'	1.0'	0.002	0.09	0.01	0.01	0.02
65834		86.0'-87.0'	1.0'	<0.002	0.12	<0.01	0.04	0.20
65835		102.5'-104.0'	1.5'	0.030	1.28	0.08	0.62	0.01
65836		104.0'-105.0'	1.0'	<0.002	0.13	0.01	0.02	0.06
65837		113.0'-114.0'	1.0'	0.042	0.18	0.02	0.04	0.20
65838		126.0'-128.0'	2.0'	<0.002	<0.02	<0.01	<0.01	<0.01
65839		128.0'-130.0'	2.0'	<0.002	0.06	<0.01	0.06	0.18
65840		131.5'-132.5'	1.0'	<0.002	0.06	<0.01	0.09	0.20
65841		167.0'-168.0'	1.0'	<0.002	0.04	0.03	0.01	0.02
65842		201.0'-202.0'	1.0'	<0.002	<0.02	<0.01	<0.01	<0.01
65843		202.0'-204.0'	2.0'	<0.002	<0.02	<0.01	<0.01	<0.01
65844		222.5'-223.5'	1.0'	0.033	0.41	0.02	0.10	0.50
65845		223.5'-225.0'	1.5'	0.002	0.12	<0.01	0.04	0.06

26 Samples
Bondar-Clegg Report V88-07419.4

Note: Drill core stored adjacent to drill site.

Project Name: American Creek AM-1 Month Year

Company: Golden Glacier Resources Inc. August 1988

Assay No.	D.D.H. No.	Footage	Width	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
65846	88-4	17.0'-18.0'	1.0'	0.013	0.08	<0.01	0.07	0.15
65847		19.5'-20.5'	1.0'	0.021	0.24	<0.01	0.33	1.30
65848		22.0'-23.0'	1.0'	0.006	0.18	<0.01	0.26	0.56
65849		59.0'-60.7'	1.7'	0.027	0.55	0.21	0.04	0.13
65850		84.0'-86.0'	2.0'	0.006	0.09	0.01	0.06	0.12
89026		86.0'-88.0'	2.0'	<0.002	0.03	<0.01	<0.01	0.07
89027		88.0'-90.0'	2.0'	0.004	0.13	<0.01	0.07	0.39
89028		96.0'-98.0'	2.0'	<0.002	0.51	0.01	0.02	0.04
89029		116.0'-117.0'	1.0'	0.008	0.19	0.03	0.06	0.52
89030		120.6'-121.6'	1.0'	0.002	4.51	0.03	0.04	0.34
89031		128.5'-130.0'	1.5'	0.168	0.74	0.31	0.20	0.02
89032		130.0'-132.0'	2.0'	0.084	1.55	0.26	0.10	0.15
89033		133.0'-136.0'	3.0'	0.151	15.94	0.40	0.06	0.01

13 Samples
Bondar-Clegg Report V88-07419.4

Note: Drill core stored adjacent to drill site.

Project Name: American Creek AM-1 Month Year

Company: Golden Glacier Resources Inc. August 1988

Assay No.	D.D.H. No.	Footage	Width	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
89034	88-5	126.0'-127.5'	1.5'	<0.002	0.19	0.02	0.02	0.03
89035		127.5'-129.0'	1.5'	<0.002	0.17	0.01	0.13	0.42
89036		130.5'-132.5'	2.0'	<0.002	0.04	<0.01	0.04	0.08
89037		134.0'-136.0'	2.0'	<0.002	<0.02	<0.01	0.01	0.01
89038		145.0'-147.0'	2.0'	<0.002	<0.02	<0.01	0.01	0.01
89039		153.0'-155.0'	2.0'	<0.002	<0.02	<0.01	0.01	0.03
89040		158.0'=160.0'	2.0'	<0.002	0.09	<0.01	0.10	0.18

7 Samples
Bondar-Clegg Report V88-0719.4

Note: Drill core stored adjacent to drill site.

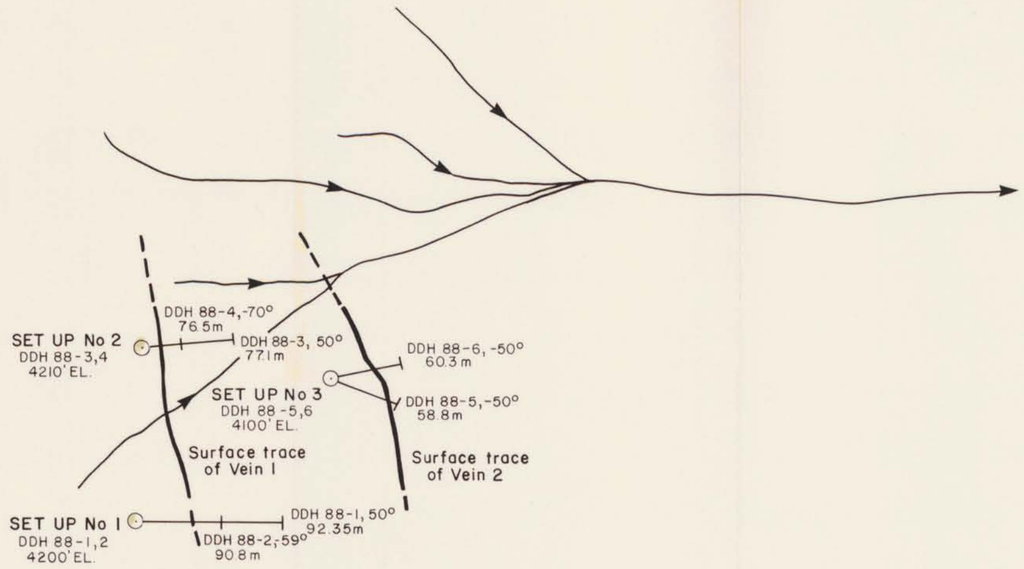
Project Name: American Creek AM-1 Month Year

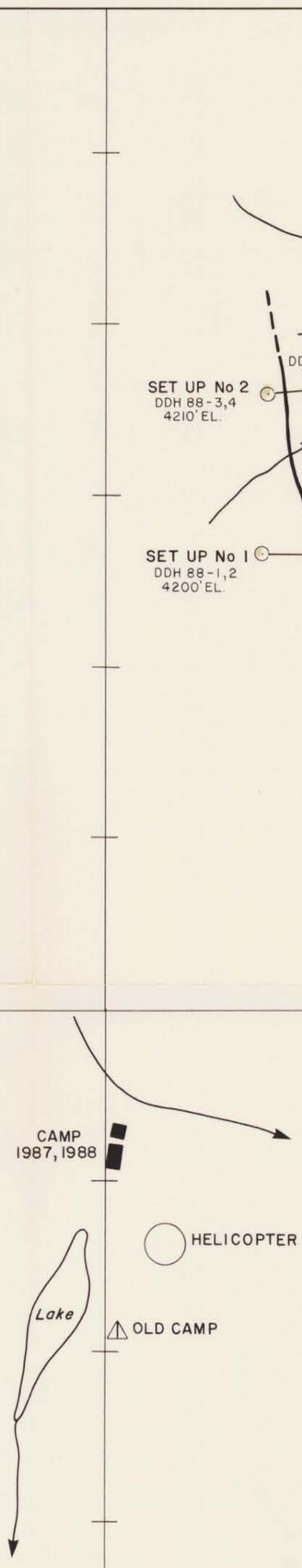
Company: Golden Glacier Resources Inc. August 1988

Assay No.	D.D.H. No.	Footage	Width	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
89041	88-6	123.0'-125.5'	2.5'	<0.002	0.05	<0.01	<0.01	<0.01
89042		125.5'-127.5'	2.0'	<0.002	0.05	<0.01	0.03	0.06
89043		127.5'-129.5'	2.0'	<0.002	0.06	<0.01	0.04	0.05
89044		131.0'-133.0'	2.0'	<0.002	0.06	0.01	0.02	0.06
89045		133.0'-135.0'	2.0'	<0.002	0.07	0.01	0.04	0.13
89046		135.0'-137.0'	2.0'	<0.002	0.05	0.01	0.03	0.08
89047		138.5'-142.5'	3.5'	0.002	0.08	0.01	0.10	0.20
89049		149.0'-150.0'	1.0'	<0.002	0.06	<0.01	0.04	0.05
89850		168.0'-170.0'	2.0'	<0.002	0.04	0.01	0.01	0.02
89011		170.0'-172.0'	2.0'	0.002	0.21	0.04	0.01	0.10
89012		172.0'-174.0'	2.0'	<0.002	0.06	0.01	<0.01	0.01
89013		180.5'-182.5'	2.0'	<0.002	0.06	0.01	0.08	0.04

12 Samples
Bondar-Clegg Report V88-07419.4

Note: Drill core stored adjacent to drill site.





5 + 00 N
4 + 00 N
3 + 00 N
2 + 00 N
1 + 00 N
0 + 00 N
1 + 00 S
2 + 00 S
3 + 00 S
4 + 00 S
5 + 00 S

LEGEND

DDH 88-1;50°
92.35m — Diamond drill hole, horizontal trace
dip angle, final depth

Surface trace of vein
(after Murton 1987)

Creek

AM-1
3N — Claim identification post

TO ACCOMPANY REPORT BY
GORDON D. HOUSE, M.S., F.G.A.C.
DATED: Nov. 15th, 1988

GOLDEN GLACIER RESOURCES INC.

AM-VIRGINIA K PROPERTY
SKEENA MINING DIVISION, B.C.

DRILL LOCATION PLAN

0 50 100 150 200 Metres

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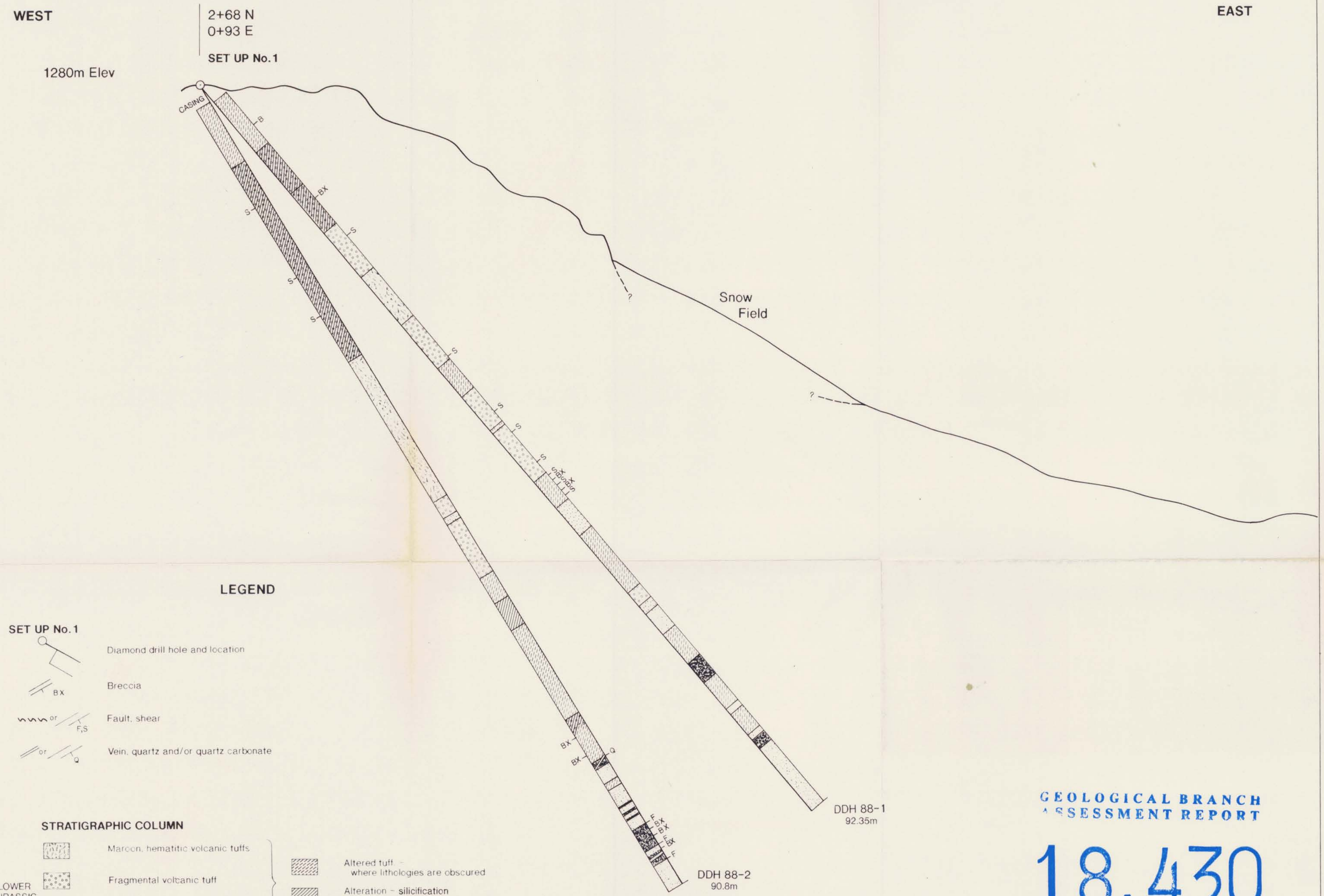
DRAWN BY: XY3 GRAPHICS — DESIGNED BY: GDH — FIGURE 3



LEGEND

SET UP No.1

Diamond drill hole and location

Breccia (BX)

Fault, shear (F,S)

Vein, quartz and/or quartz carbonate (Q)

STRATIGRAPHIC COLUMN

LOWER JURASSIC
- Maroon, hematitic volcanic tuffs
- Fragmental volcanic tuff
- Lapilli tuff
- Crystal tuff

Altered tuff - where lithologies are obscured

Alteration - silicification carbonatization ankeritic alteration

UPPER TRIASSIC
- Siltstone
- Argillite

(Sometimes interbedded)

INTRUSIVE ROCKS

LOWER JURASSIC — Granodiorite, quartz monzonite - Hyder intrusives, Portland Canal dyke swarms

EOCENE — Dykes, porhyritic andesite - dacite } maybe { Correlative to "Premier Porphyry"

GEOLOGICAL ASSOCIATION OF CANADA
GORDON D. HOUSE
FELLOW

TO ACCOMPANY REPORT BY
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DATED: Nov. 15th, 1988.

GOLDEN GLACIER RESOURCES INC

AM-VIRGINIA K PROPERTY
SKEENA MINING DIVISION B.C.

DRILL SET UP No.1 - DDH 88-1,2
CROSS SECTION ON 090°
GEOLOGY

0 5 10 15 20 Metres
Hor. & Ver.

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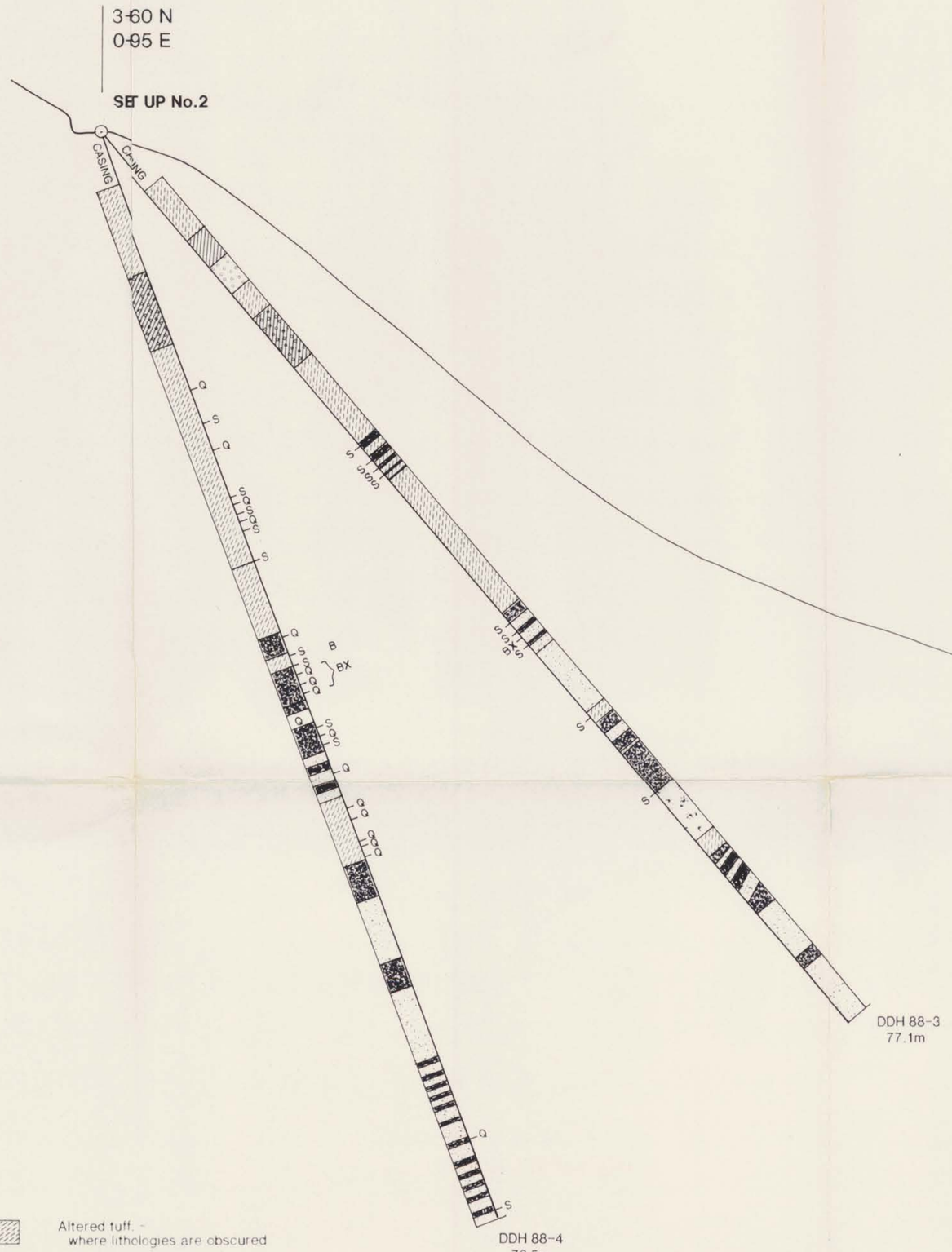
DRAWN BY: XY3 GRAPHICS — DESIGNED BY: GDH — FIGURE 4

WEST

EAST



LEGEND

SET UP No.1

Diamond drill hole and location

BX — Breccia

or F,S — Fault, shear

or Q — Vein, quartz and/or quartz carbonate

STRATIGRAPHIC COLUMN

LOWER JURASSIC

- Maroon, hematitic volcanic tuffs
- Fragmental volcanic tuff
- Lapilli tuff
- Crystal tuff

Altered tuff, - where lithologies are obscured

Alteration - silicification carbonatization ankeritic alteration

UPPER TRIASSIC

- Siltstone
- Argillite

(Sometimes interbedded)

INTRUSIVE ROCKS

LOWER JURASSIC — Granodiorite, quartz monzonite - Hyder intrusives, Portland Canal dyke swarms

EOCENE — Dykes, porhyritic andesite - dacite } maybe { Correlative to "Premier Porphyry"

GEOLOGICAL ASSOCIATION OF CANADA
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DATED: Nov. 15th, 1988

GOLDEN GLACIER RESOURCES INC.

AM-VIRGINIA K PROPERTY

SKEENA MINING DIVISION, B.C.

DRILL SET UP No.2 - DDH 88-3,4

CROSS SECTION ON 085°

GEOLOGY

0 5 10 15 20 Metres
Hor. & Ver.

SAWYER CONSULTANTS INC. — OCTOBER 1988

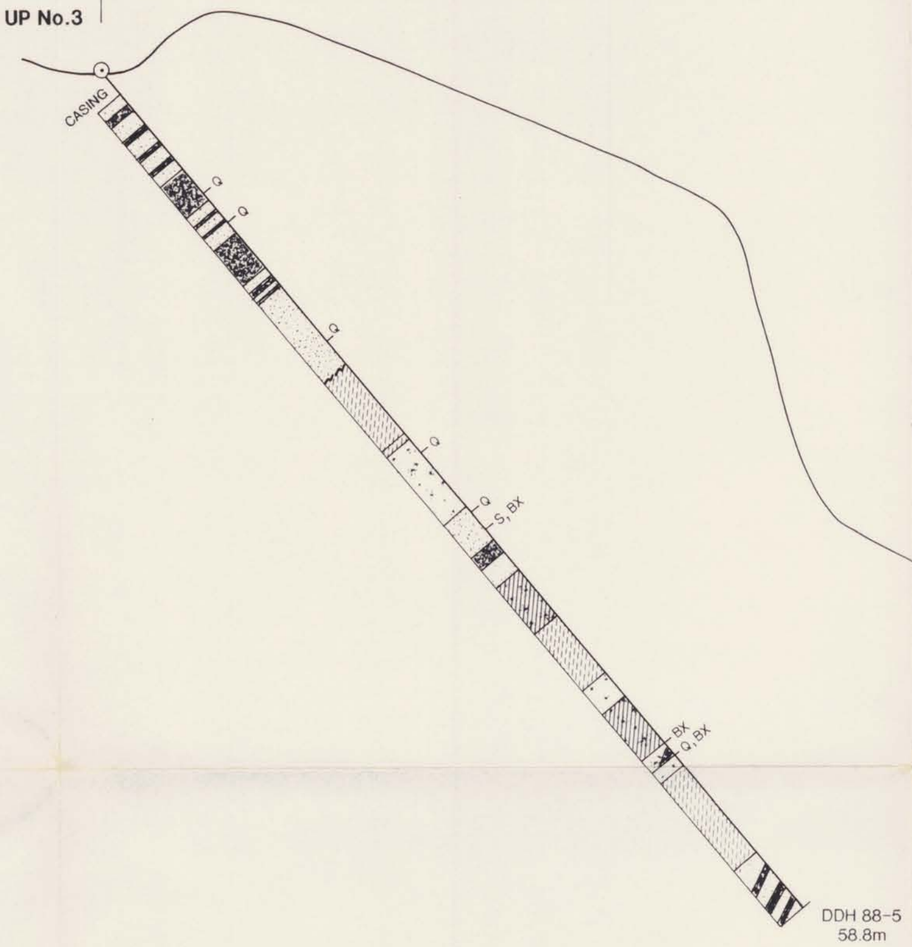
DRAWN BY: XY3 GRAPHICS — DESIGNED BY: GDH — FIGURE 5

WEST

EAST

3+42 N
1+97 E

SET UP No.3



DDH 88-5
58.8m

LEGEND

SET UP No.1 — Diamond drill hole and location

BX — Breccia

or F,S — Fault, shear

or Q — Vein, quartz and/or quartz carbonate

STRATIGRAPHIC COLUMN

LOWER JURASSIC
- Maroon, hematitic volcanic tuffs
- Fragmental volcanic tuff
- Lapilli tuff
- Crystal tuff

Altered tuff, - where lithologies are obscured

Alteration - silicification, carbonatization, ankeritic alteration

UPPER TRIASSIC
- Siltstone (Sometimes interbedded)
- Argillite

INTRUSIVE ROCKS

LOWER JURASSIC — Granodiorite, quartz monzonite - Hyder intrusives, Portland Canal dyke swarms

EOCENE — Dykes, porhyritic andesite - dacite } maybe { Correlative to "Premier Porphyry"

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,430

GOLDEN GLACIER RESOURCES INC

AM-VIRGINIA K PROPERTY
SKEENA MINING DIVISION, B.C.

DRILL SET UP No.3 - DDH 88-5
CROSS SECTION ON 110°
GEOLOGY

0 5 10 15 20 Metres
Hor. & Ver.

GEOLOGICAL ASSOCIATION OF CANADA
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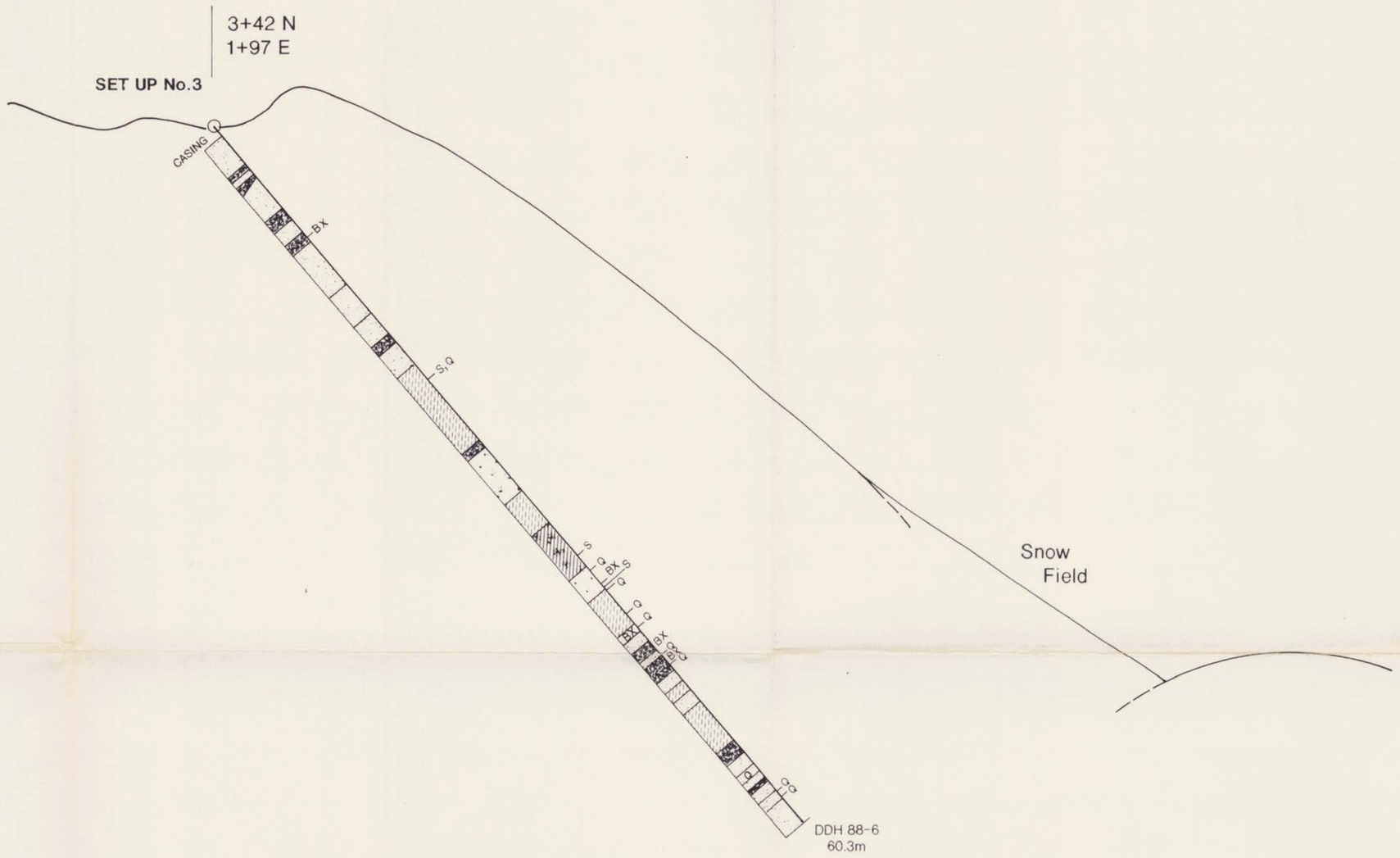
SAWYER CONSULTANTS INC. OCTOBER 1988
DRAWN BY XY3 GRAPHICS DESIGNED BY GDH FIGURE 6

WEST

EAST



LEGEND

SET UP No.1 — Diamond drill hole and location

BX — Breccia

or F,S — Fault, shear

or Q — Vein, quartz and/or quartz carbonate

STRATIGRAPHIC COLUMN

LOWER JURASSIC

- Maroon, hematitic volcanic tuffs
- Fragmental volcanic tuff
- Lapilli tuff
- Crystal tuff

Altered tuff - where lithologies are obscured

Alteration - **silicification** carbonatization ankeritic alteration

UPPER TRIASSIC

- Siltstone (Sometimes interbedded)
- Argillite

INTRUSIVE ROCKS

LOWER JURASSIC — Granodiorite, quartz monzonite - Hyder intrusives, Portland Canal dyke swarms

EOCENE — Dykes, porhyritic andesite - dacite } maybe { Correlative to "Premier Porphyry"

TO ACCOMPANY REPORT BY
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DATED: Nov. 15th, 1988.

GOLDEN GLACIER RESOURCES INC

AM-VIRGINIA K PROPERTY

SKEENA MINING DIVISION, B.C.

DRILL SET UP No.3 - DDH 88-6

CROSS SECTION ON 080°

GEOLOGY

0 5 10 15 20 Metres
Hor. & Ver.

SAWYER CONSULTANTS INC. — OCTOBER 1988

DRAWN BY: XY3 GRAPHICS — DESIGNED BY: GDH — FIGURE 7