NEW MILLENNIUM
MINING LTD.

1996 CLAIM ASSESSMENT REPORT

Core, Reverse Circulation, Auger Drilling, and Camp Access Road Upgrade

on the

Dublin Gulch Property

MAYO MINING DISTRICT

LOCATED

350 KM NORTH OF WHITEHORSE
40 KM NORTHEAST OF MAYO
YUKON

CENTERED ON

THE CONFLUENCE OF HAGGART CREEK AND DUBLIN GULCH

AT

UTM 458,000 E and 7,100,500 N
NTS 106D/04, 105M/13

OWNER/OPERATOR
NEW MILLENNIUM MINING LTD.

REPORT BY

MIKE SIEB

DATE: March 20, 1996

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 30,100.

M. Burke

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

SUMMARY

The Dublin Gulch Property (NTS 106D/04, 105M/13) is located in the Mayo Mining District approximately 350 km north of Whitehorse and 40 km northeast of Mayo, Yukon. The claim groups are centered on the confluence of Haggart Creek and Dublin Gulch, at approximate geographic coordinates 64°02'N latitude and 135°50'W longitude or UTM 458 000 E and 7 100 500 N.

The Dublin Gulch Claims are 100% owned by New Millennium Mining Ltd., a wholly owned susidiary of First Dynasty Mines Ltd. The Dublin Gulch Property is composed of 988 claims, 10 leases, and 1 crown grant; covering approximately 160 km^2.

The Dublin Gulch property is underlain by deformed Upper Proterozoic to Lower Cambrian clastic rocks of the Hyland Group that have been intruded by Cretaceous age Tombstone suite stocks, dykes and sills. Alteration and gold-tungsten mineralization are directly associated with these intrusions.

The property was first explored in 1991 for intrusive-hosted, bulk mineable, gold mineralization similar to the Fort Knox deposit in Alaska. Zones with sheeted quartz veins containing gold and bismuth occur parallel to the trend of the Dublin Gulch Stock along its northwestern side. To date the Eagle, Olive and Shamrock zones have been identified along a northeast trend. The Steiner Zone, an under explored zone containing similar mineralization, occurs in an apophyses to the stock to the north. Only the Eagle Zone has had sufficient work to quantify its resource potential. All current gold reserves/resources are within this zone.

Gold occurs in veins as native gold liberated in gangue or associated with bismuth minerals. Grains are relatively large, with an average size of 120-150 microns (Honea, 1993). Sample intervals of 1.5m (5 feet) typically grade between 0.8 to 2.0 g/T (0.023-0.058 opt) Au in the ore zone.

Alteration and mineralization in the Eagle Zone are a direct result of the intrusion, subsequent cooling, and associated fluids of the Dublin Gulch Stock. The character of the alteration and mineralization changed over time, reflecting the different chemistry and temperature regimes, as the system cooled. The environment gradually shifted from a predominantly k-spar to a sericite alteration regime, while sulphide mineralization increased and gold-bismuth deposition decreased.

The 1996 Claim Assessment work entailed exploration drilling on the South Limb Western Extension of the Eagle Zone, geotechnical drilling at the Eagle Pup mine waste rock storage area (MWRSA), monitoring well installation at the proposed heap leach pad area (HLPA), clay deposit exploration auger holes for pad liner silt borrow material near gill gulch, and camp access road upgrading with the installation of a culvert.

Hole 96-207R was drilled to test the western extension of the South Limb Zone on section 459825E. Only 16 samples (19%) graded >0.5g/T Au with the entire length of the hole averaging 0.38g/T Au. This result indicates the cessation or narrowing of the South Limb ore zone on this section.

There were 3 geotechnical holes (96-241C to 243C) drilled in the Eagle Pup MWRSA and sediment pond. Geotechnical analysis identified that foundations constructed on the bedrock will be appropriate for these structures. The 3 holes also indicated a low economic potential under the proposed Eagle Pup MWRSA and sediment pond.

Hole 96-244R was drilled just south-east of the proposed Heap Leach Pad (HLP) and a monitoring well was installed. Groundwater levels were discovered to be approximately 17 m deep beneath the topographic divide between Bawn Bay and Ray Gulches where hole 96-244R is located. In addition 28 samples (85%) assayed below the detection limit of 0.03g/T Au, thereby indicating very low economic potential in the area of hole 96-244R.

Nineteen auger holes (TH96-01 to TH96-05 and GT96-38 to GT96-51) were drilled around Gill Gulch to test the clay's suitability for use as silt liner borrow material for the proposed heap leach pad. The silt was determined to be acceptable silt liner borrow material for the proposed heap leach pad.

TABLE OF CONTENTS

SUMMARY i
TABLE OF CONTENTS ii
LIST OF TABLES iii
LIST OF FIGURES iii
LIST OF APPENDICES iii

1.0 INTRODUCTION 1

1.1 PROPERTY STATUS 1
1.2 EXPLORATION HISTORY 2
1.3 CAMP 5
1.4 PERSONNEL 6

SECTION 2.0 GEOLOGY 7

2.1 REGIONAL GEOLOGY 7
2.2 PROPERTY GEOLOGY 8
2.2.1 Lithology 8
2.2.2 Alteration and Mineralization 9
2.2.3 Structure 10
2.3 EAGLE ZONE GEOLOGY AND MINERALIZATION 10
2.3.1 Lithology 11
2.3.2 Alteration and Mineralization 12
2.3.3 Structure 13
2.3.4 Occurrence of Gold 14
2.3.5 Rock Geochemistry 14
2.4 GENETIC MODEL 17
2.4.1 Geometry of the Eagle Zone 18

3.0 1996 ASSESSMENT WORK 19

3.1 EAGLE ZONE SOUTH-LIMB WESTERN EXTENSION EXPLORATION DRILLING 22
3.2 OPEN PIT AREA INFRASTRUCTURE GEOTECHNICAL DRILLING 23
3.3 HEAP LEACH PAD AREA MONITORING WELL DRILLING 23
3.5 GILL GULCH CLAY DEPOSIT AUGER DRILLING 24

4.0 CONCLUSIONS 25

5.0 CERTIFICATE OF QUALIFICATIONS 26

6.0 REFERENCES: 27

LIST OF TABLES

TABLE	1.1	NMML Personnel	6
TABLE	2.1	Eagle Zone Subdivisions by Target	11
TABLE	2.2	Whole Rock Composition	16
TABLE	2.3	Elemental Abundance	16
TABLE	3.1	1996 Claim Assessment Drilling Breakdown	20
TABLE	3.2	1996 Claim Assessment Drillhole Locations	21
TABLE	3.3	1996 Open Pit Area Drill Breakdown	21

LIST OF FIGURES

FIG.	1.1	Dublin Gulch Location Map
FIG.	1.2	1: 50,000 Claim Map
FIG.	1.3	1: 25,000 Legal Survey Boundary and Proposed Infrastructure
FIG.	2.1	1:2,000,000 Regional Geology
FIG.	2.2	1: 100,000 Granitic Intrusions And Mineral Zones
FIG.	2.3	Eagle Zone Plan View with Subdivisions by Target
FIG.	2.4	Eagle Zone Genetic Summary
FIG.	2.5	Idealized Eagle Zone Cross-Section
FIG.	3.1	Claim Assessment Location Index
FIG.	3.2	Hole 96-207R Hole Location
FIG.	3.3	Hole 96-241C To 243C Hole Locations
FIG.	3.4	Hole 96-244R Hole Location
FIG.	3.5	Clay Auger Drilling Hole Locations
FIG.	3.6	Camp Access Road Culvert Installation Location

LIST OF APPENDICES

APPENDIX	I	Claim List + Claim Assessment Costs
APPENDIX	II	Hole 96-207R Geological Drill Log + Au Assay Results
APPENDIX	III	Holes 96-241C to 96-243C Geological and Geotechnical Drill Logs + Au Assay Results
APPENDIX	IV	Hole 96-244R Geological Drill Logs + Au Assay Results
APPENDIX	V	Clay Deposit Exploration Auger Drill Hole Logs

1.0 INTRODUCTION

The Dublin Gulch Property (NTS 106D/04, 105M/13) is located in the Mayo Mining District approximately 350 km north of Whitehorse and 40 km northeast of Mayo, Yukon (Fig 1.1).

The claim groups are centered on the confluence of Haggart Creek and Dublin Gulch, at approximate geographic coordinates 64°02'N latitude and 135°50'W longitude or UTM 458,000 E and 7,100,500 N. The area is characterized by rolling hills with steeper slopes in Ray Gulch and westerly from the main granitic pluton. Local elevations range from 800m at the confluence of Haggart Creek and Dublin Gulch to 1650m at the summit of Potato Hills. Lower elevations are covered with dense black spruce forest which thin to buckbrush and sub-alpine vegetation at higher elevations.

The property is currently accessible by road in the summer. A well paved highway extends 550km from Whitehorse to Mayo, a well graded gravel road continues for 35km on Highway 2 (the Silver Trail) and 46km on the South McQuesten Road to camp. The last 25km on the South McQuesten Road consists of a secondary gravel road that can be fairly arduous in early spring.

The Dublin Gulch basin is located in an area characterized by moderate annual precipitation totals and extreme variations in temperature. Average annual precipitation in the basin ranges from approximately 375mm at the mouth to 600mm at higher elevations, with July being the wettest month. Approximately one-half of the annual precipitation falls as snow, with daily temperatures below freezing from October through April. Average monthly temperatures range from a low of approximately -23°C in January to a high of approximately 13°C in July, with temperature extremes ranging from -60°C to +35°C.

1.1 PROPERTY STATUS

The Dublin Gulch Claims are 100% owned by New Millennium Mining Ltd., a wholly owned subsidiary of First Dynasty Mines Ltd. The Dublin Gulch Claim Group is composed of 988 claims, 10 leases, and 1 crown grant (Fig 1.2); covering approximately 160 km^2. The current claim holdings are listed in Appendix I of this report.

A Legal Survey was performed on the claims underlying the proposed open pit, heap leach pad, and ancillary infrastructure; by Underhill (Professional Land Surveyors) of Whitehorse; with the intention of bringing the core set of claims to lease. The area covered is approximately 20-25 km^2 (Fig. 1.3).

1.2 EXPLORATION HISTORY

1895	First placer gold discovered on Haggart Creek below Dublin Gulch
1898	First placer gold reported on Dublin Gulch
1901	First lode claims staked, Dublin Lode and North Star, on which a 14m adit was driven by 1904.
1904	Scheelite discovered in the Dublin Gulch placers.
1908	Two adits driven on the Stewart-Catto group and Victoria claim; the first 38 m long and off the vein and the second a 600m crosscut with 23 m of drifting on the vein. On the Olive claim a 21 m adit driven, the last meter of which was on a vein. Cassiterite identified as a placer mineral.
1909	Trenching and pitting performed on the Shamrock group, while an 8 m shaft was sunk on the Blue Lead group.
1938	T. Mckay and A.H. Martin prospected with pits and shallow shafts on the Olive claim group and later sold the claims to Treadwell Yukon Ltd., which performed more trenching.
1943	Lode tin-tourmaline-quartz veins discovered on Tin Dome. Geological Survey of Canada discovered lode sources of scheelite in Ray Gulch.
1961-1964	Exploration of the Peso and Rex veins located 5-7 km southwest of Dublin Gulch outlined approximately 140,000 tonnes at a grade of 716 g/T Ag and 3.7% Pb in discontinuous branching veins.
1970	Canex-Placer conducted an extensive Au-Ag geochemical soil survey to aid in their search for a stockwork tungsten deposit associated with the Dublin Gulch Stock.
1971	Canex-Placer drilled 3 holes and cut 20 bulldozer trenches to test low grade quartz-scheelite vein systems. The prominent gold soil anomalies in the headwaters of Eagle and Suttle gulches were ignored.
1973	Ron Holway begins placer mining gravels in Dublin Gulch.
1977	Queenstake Resources Ltd. staked the Mar claims to cover tungsten bearing skarns in the Ray Gulch area. A small mapping and sampling program was conducted.
1978	Canada Tungsten Mining Corp. optioned the Mar claims from Queenstake Resources and the D.G. claims from G. Dickson. Aerial photography, geologic mapping, and soil sampling were carried out. Two adits on the Victoria and Cabin veins were opened up and sampled.

1979 Canada Tungsten carried out further geological mapping and soil sampling. A total of 2,420m (7,946 feet) of drilling, in 21 holes, was performed on the tungsten skarn zone area of the Mar claims. On the placer claims a 2,000 yard per day jig plant was set up and operated for two months. The plant was tuned by processing tungsten and gold bearing tailings.

1980 Canada Tungsten drilled 65 NQ holes for a total of 11,315m (37,123 feet), in the tungsten skarn zone, and outlined a resource of 5.4 million tonnes grading 0.82% WO_3. The arsenopyrite-gold vein systems in the metamorphics were trenched, mapped, and sampled. Twenty-five bulldozer trenches were dug in the tungsten zone and 74 bulldozer and excavator trenches were dug on the gold vein system. Two new gold bearing shear systems were discovered in the bedrock exposed by placer mining in the Dublin Gulch creek bed. Placer operations continued 24 hours per day, however plant and grade problems resulted in poor recoveries.

1981 Canada Tungsten carried out regional geologic mapping, heavy mineral sampling and some trenching. The placer operations continued.

1982 Canada Tungsten conducted geologic mapping of skarn zones in the southeast corner of the claim block and west of Potato Hills. Trenching by bulldozer was done in both areas and 738m (2,422 feet) of NQ core were drilled in 3 holes east of Ray Gulch. Detailed mapping and EM surveys were conducted over the gold bearing shear zones in Dublin Creek. The placer operations continued at a reduced level. Exploration RC drilling was done and the continuation of the Dublin Gulch channel was found. Total reported placer gold production for Dublin Gulch from 1898-1982 is approximately 17,500 ounces. The gold is reported to have a fineness of 860 to 923 (Debicki, 1983).

1983 No lode exploration. Stripping commenced on the Dublin Gulch channel extension.

1984-1985 The jig plant was mothballed and a Derocker and conventional sluice system was implemented. A substantial operating profit was realized.

1986 Canada Tungsten returned claims covering the gold vein system to Queenstake Resources and Gordon Dickson. Claims covering the Mar Tungsten zone were returned to Queenstake. Queenstake Resources drilled 4 NQ core holes for a total of 705m (2,314 feet) on the Victoria and Catto veins.

1987 Canada Tungsten continued to mine the Dublin Gulch channel until season end and then returned the placer claims to Queenstake resources. Queenstake optioned the Mar gold vein property to Can Pro Development. Can Pro excavated two small trenches in the area of the Eagle and Scarp veins. Gold was found in fractures in the underlying granodiorite.

1988 Queenstake leased the placer claims to Ron Holway. Can Pro drilled 4 holes totaling 653m (2,142 feet) on the Victoria, Catto and Cabin veins.

1989 Can Pro conducted trenching in the intrusive rocks in the Eagle Pup area. Ron Holway continued placer mining on Dublin Gulch.

1990 No lode exploration. Ron Holway continued placer mining on Dublin Gulch with a reported production of 2,815 ounces of gold for 1989-1990. Ron Holway continues to placer mine along Dublin and Haggart Creeks to the current date.

1991 H-6000 Holdings performed a literary search to find a property with characteristics similar to the intrusive-hosted, low-grade, sheeted quartz vein Fort Knox gold deposit near Fairbanks, Alaska. Dublin Gulch fit the assigned criteria. Queenstake Resources and Can Pro Development optioned the Mar Gold and Mar Tungsten properties to H-6000 Holdings. Ivanhoe Goldfields (formerly H-6000 Holdings) conducted a program consisting of 2km of bulldozer trenching in 5 trenches and 921 channel samples. Amax gold Inc. entered into a joint venture with Ivanhoe to earn a 50% interest. In August 1991, Amax completed 16 HQ-NQ core drillholes totaling 2,410m (7,909 feet).

1992 Amax drilled 46 RC holes totaling 5,651m (18,540 feet) and conducted an extensive sampling, mapping, and property evaluation. Late in 1992 Amax decided not to renew the option agreement and the property was returned to Ivanhoe.

1993 Ivanhoe conducted detailed geologic mapping, 250m of trenching, soil sampling, geophysics, baseline environmental monitoring, mineralogical/metallurgical studies, and drilled 10 RC holes totaling 2,078m (6,817 feet). An inferred and potential resource of 98.6 million tonnes grading 1.19 g/T Au (0.035 opt) was calculated for the Eagle Zone.

1994 Aurum Geological Consultants performed a soil auger sampling program to test areas along the projected extension of the Eagle Zone.

1995 First Dynasty Mines Ltd. (FDM) acquired the Dublin Gulch property through the acquisition of Ivanhoe Goldfields and subsequently undertook a major drilling program to outline a core resource/reserve on the Eagle Zone. 8,347m. (27,400 feet) of RC drilling in 40 holes, 4,480m. (14,700 feet) of HQ diamond drilling in 34 holes, and 1,038m (3,400 feet) of PQ diamond drilling for metallurgical testing in 5 holes; for a total of 13,865m. (45,500) in 79 holes were drilled. 8,500 samples were taken for gold assay and ICP analysis. Engineering, environmental, and metallurgical studies were conducted. Public and governmental consultations are still ongoing.

1996 First Dynasty Mines Ltd. formed New Millennium Mining Ltd. (NMML) as a wholly owned subsidiary with the Dublin Gulch and the Clear Creek

properties in its project portfolio. NMML drilled 5,399m (17,712ft) of HQ core in 54 holes consisting of exploration/definition, metallurgical, condemnation, geotechnical oriented and non-oriented drilling; 5,271m (17,293ft) of reverse circulation in 37 exploration/definition holes; 797m (2,614ft) of auger and reverse circulation drilling in 33 water wells; 189m (621ft) of auger drilling in 19 clay deposit exploration holes; for a total of 11,655m (38,239ft) in 143 holes. 7,130 samples (includes gold standards) were taken for gold assay. A total of 460 metres of trenching, 229 geotechnical testpits, 700 soil samples, and a legal survey of the critical claims on the property was completed.

1.3 CAMP

The exploration field season at Dublin Gulch commenced on April 9, 1996 when the first group of New Millennium Mining Ltd. personnel started setting up camp. There was approximately 1 to 2 feet of snow in camp with no visible melt in the creeks.

In addition, the area had suffered a severe winter resulting in approximately 5 to 15 feet of ice buildup in the surrounding creeks and streams. The last vestiges of ice in the creek beds were still observed in July.

The camp is located on a level gravel plateau approximately 15 metres above the elevation of Haggart Creek at the confluence with Dublin Gulch. On average the camp contained approximately 30 people, throughout the summer season.

The camp consisted of three year-round buildings (the office, cook shack, and one crew shack), two trailers (Midnight Sun Drilling), two Weatherhavens (Advanced Drilling), one coreshack (12'x24' plasticized and tarped, frame and floor), one Clothes Dry (12'x16', tarped frame and floor), one Men's Dry (12'x16' insulated tent, frame, and floor), one Women's Dry (12'x16' insulated tent, frame, and floor), one First Aid Room (10'x12' insulated tent, frame, and floor), one Tool Shack (12'x12' walled and tarped), five crew tents (12'x16' insulated tents, frames, and floors), and two uninsulated alumninum framed tents.

The camp contained all the basic amenities. The tents and buildings were heated by propane or diesel stoves and the coreshack by an air-tight wood stove. The electricity was supplied from a 35 KW diesel generator and the water was pumped from a new sixty foot deep water well drilled earlier this year by Midnight Sun Drilling. Each Dry contained one shower equipped with hot and cold water. In addition, a washer and dryer were installed in the Men's Dry.

Of historical note, the cook shack used to be the old Mayo Airport office transported out to Dublin Gulch in a previous year.

1.4 PERSONNEL

The 23 personnel employed by NMML on the Dublin Gulch Project in 1996 are shown in Table 1.1. Six of the employees are Na-cho Nyäk Dun (NND*) members.

Table 1.1: NMML Personnel

EMPLOYEE	TITLE	ORIGIN
Hans Smit	Project Manager	Telkwa, BC
Mike Sieb	Project Geologist	Vancouver, BC
Rob Simpson	Geologist	Vancouver, BC
Lisette Gourdine	Geologist	Vancouver, BC
Leilah Tate	Geologist	Squamish, BC
Sally Howson	Environmental Coordinator	Vancouver, BC
Terri Maloof	Geologist, Master's Thesis	Vancouver, BC
Don Finlayson	Mining Technologist/Surveyor	Vancouver, BC
Lori Kamlah	Geological Assistant	Vancouver, BC
Steve Buyck*	Environmental + Field Assistant	Mayo, YT
Roni Muench	Cook	Victoria, BC
Beverly Brown	Assistant Cook, First Aider	Calgary, AB
Cheryl McCrea	Temporary Replacement Cook	Telkwa, BC
Hope Norris	Temporary Replacement Cook	Vancouver, BC
Philippe Lemire	Camp Manager	Vancouver, BC
Marvin Hager*	Assistant Camp Manager	Mayo, YT
Connie Buyck*	Data Entry	Mayo, YT
Bradley Handy	Field Assistant	Mayo, YT
Shawn Germaine*	Field Assistant	Mayo, YT
Dwayne Christie	Field Assistant	Victoria, BC
Robin Brown*	Field Assistant	Mayo, YT
Sheldon Blanchard*	Field Assistant	Mayo, YT
Diane Loik	Field Assistant, BCIT Student	Vancouver, BC

SECTION 2.0 GEOLOGY

2.1 REGIONAL GEOLOGY

The Dublin Gulch - Mayo area lies northeast of the Tintina Trench (Fig. 2.1). It is underlain by deformed Upper Proterozoic to Mississippian clastic rocks of the Selwyn Basin that occur in laterally extensive northward directed thrust sheets formed by Early Cretaceous deformation.

Regionally, there are three main thrust sheets. The easternmost, Dawson Thrust, juxtaposes clastic-dominated Selwyn Basin strata in its hangingwall to the southwest against carbonate-dominated continental shelf strata of the Mackenzie Platform to the northeast (Abbott, 1993). The central Tombstone Thrust has Mississippian Keno Hill Quartzite and Upper Devonian to Mississippian Earn Group rocks in its hangingwall. Triassic mafic intrusions intrude earlier rocks in this structural sheet (Roots and Murphy, 1992). The westernmost Robert Service Thrust typically adjoins Upper Proterozoic to Lower Cambrian Hyland Group rocks and Mississippian Keno Hill Quartzite. The Dublin Gulch area is situated in the eastern Hyland Group hangingwall of this thrust. These rocks are passive continental margin sediments composed of mudstone, siltstone, quartzite, phyllite, schist and minor carbonate. To the west of the Dublin Gulch area, Cambrian to Devonian continental margin sediments overlie the Hyland Group (Murphy et al., 1993).

Deformation related to the thrusting resulted in the widespread development of foliation, and phyllitic to schistose fabric is common. A series of regional scale gentle folds deformed this foliation. One of these folds, the McQueston anticline, trends down the McQueston River valley, south of the Dublin Gulch area. It strikes northeast-southwest, has a steep dipping axial plane, and plunges shallowly to the southwest.

After this deformational event, the Selwyn Basin clastic rocks were intruded by Cretaceous aged intrusions which range from syenite to granodiorite in composition. Age dating (Murphy and Heon, 1994; Murphy and Mortensen 1995) has defined three intrusive events in the region: the Selwyn suite (98-104 ma), the Tombstone suite (92-94 ma) and the McQueston suite (64 ma).

There are numerous mineral deposits and occurrences associated with the Cretaceous intrusions. Mineralization is generally vein, shear, or skarn related. Gold, silver, tungsten, lead and zinc are the main economic minerals present.

Common accessories are tin, arsenic and antimony. The most significant producer in the area is the United Keno Hill mine, located 20 km east of Dublin Gulch, which produced over 200 million ounces of silver.

Regionally, the Tombstone Suite of intrusions appears to be the primary source for intrusive-hosted gold deposits. The Fort Knox deposit near Fairbanks, Alaska is hosted by a similar age intrusion.

Placer gold occurs in a number of creeks in the Dublin Gulch area. Recorded production in the Mayo Mining District, since records were first kept in 1978, is 111,000 ounces.

2.2 PROPERTY GEOLOGY

The Dublin Gulch property is underlain by deformed Upper Proterozoic to Lower Cambrian clastic rocks of the Hyland Group that have been intruded by Cretaceous age Tombstone suite stocks, dykes and sills. Alteration and gold-tungsten mineralization are directly associated with the intrusions.

2.2.1 Lithology

The Hyland Group is composed of intercalated deformed quartzites and phyllites, with minor schists and carbonates. A stratigraphic sequence has not been determined for the property. Lithological descriptions of the meta-sediments are primarily based on work in the Mar Tungsten area (Orssich, 1982, 1981).

The quartzites are buff to grey and range in composition from almost entirely quartz to quartz-feldspar +/- laminations of muscovite or sericite. Grains are generally 1-2 mm in size, but can be up to 1 cm in size. Beds are one centimetre to locally several metres in thickness.

Phyllites range from light green - grey quartz-muscovite-sericite rocks to dark grey - black quartz-muscovite-graphite rocks. Graphite varies from 1% to 3% of the rock and very seldom up to as much as 10%. A foliated dark green quartz-chlorite variety occurs locally.

Discontinuous lenses of carbonate occur to the south and east of the Dublin Gulch Stock. They contain varying amounts of quartz and carbonaceous material.

The meta-sedimentary rocks have been intruded by Cretaceous stocks, dykes and sills of quartz monzonite to quartz diorite composition. The largest of these intrusions is the Dublin Gulch Stock (Fig. 2.2), an elongated body oriented at 070 degrees. It is up to 5.5 km by 2.0 km in dimension and is very similar in composition and texture throughout.

The stock is a medium grey colored, medium grained, granodiorite. It is comprised of phenocrysts of plagioclase, quartz, K-spar, biotite and rare amphibole in a fine grained groundmass dominated by K-feldspar, quartz and plagioclase. Accessory minerals include muscovite, calcite, titanite, allanite, apatite, and zircon.

Intrusive contacts are sharp but irregular. Contacts vary between steep, crosscutting foliation in the meta-sediments, to shallow southwest dipping, parallel to foliation. In places, the foliation is rotated parallel to the intrusive contact. The granodiorite frequently penetrates the meta-sediments as dykes and sills close to its contacts.

The granodiorite is cut by minor late dykes. Rare narrow intrusive breccia dykes were observed. Jim Mortensen of the University of British Columbia, has recently calculated an age of 92.8 +/- 0.5 ma (personal communication) for the Dublin Gulch stock based on U-Pb analysis on titanites.

2.2.2 Alteration and Mineralization

Alteration and mineralization on the property are related to the Cretaceous intrusions. There is a well-developed metamorphic halo around the Dublin Gulch Stock (Fig. 2.2). Sedimentary rocks have been hornfelsed and the development of biotite +/- andalusite is common. This results in interlayered quartzite and biotite phyllite (to schist). In calcareous beds, skarn development occurred, especially in the Ray Gulch area on the southeast side of the intrusion. Wollastonite-quartz, pyroxene-scheelite, and quartz-amphibole skarns have been noted.

In addition to placer gold, there are five general types of mineralization associated with the Dublin Gulch Stock and related intrusions:

- Sheeted, low-sulphide quartz veins within the intrusion, containing gold and bismuth ('Fort Knox' style of mineralization).
- Pyroxene-scheelite skarn zones, notably the Mar Tungsten Deposit on the southeast side of the stock, which contains an estimated resource of 5.4 million tonnes grading 0.82% WO_3.
- Structurally controlled, auriferous quartz-arsenopyrite veins within both the intrusion and surrounding sediments, especially proximal to the northern contact.
- Cassiterite in a tourmalized breccia zone on 'Tin Dome', situated north of Dublin Gulch.
- High silver quartz-sulphide veins (e.g., Peso Silver and Rex) found distal to, but on trend with, the stock.

The property was first explored, in 1991, for intrusive-hosted, bulk mineable, gold mineralization similar to the Fort Knox deposit in Alaska. Zones with sheeted quartz veins containing gold and bismuth occur parallel to the trend of the Dublin Gulch Stock along its northwestern side. To date the Eagle, Olive and Shamrock zones have been identified along a northeast trend. The Steiner Zone, an under explored zone containing similar

mineralization, occurs in an apophyses to the stock to the north. Only the Eagle Zone has had sufficient work to quantify its resource potential. All current gold reserves/resources are within this zone.

The Mar Tungsten deposit hosts a substantial tungsten resource in skarn lenses. Some of the tungsten mineralization may be potentially mined by open pit methods. While this deposit is not economical at this time, it may become so if the price of tungsten changes.

A number of the structurally controlled veins have been explored for both gold and silver, but none have been found to be economical. The tin occurrence, while of interest, is not economically significant.

2.2.3 Structure

A pervasive fabric resulting from Cretaceous thrusting is observed on the property. The foliation dips shallowly to moderately northwest to southwest in the area surrounding the Dublin Gulch Stock. In areas that have been hornfelsed, this foliation is no longer a plane of weakness due to the regrowth of minerals. Small scale folds related to both the thrusting and later gentle folding occurs.

Fault types include bedding plane or low angle faults related to the development of the foliation and steeply dipping structures subparallel to the Dublin Gulch Stock (northeasterly). Steep dipping east-west and north-south zones with broken rock and gouge underlie some of the creek valleys and side gullies on the property. Movement along these structures has not been documented. The east-west (to east-northeast) structures sometimes contain auriferous quartz-sulphide veins.

2.3 EAGLE ZONE GEOLOGY AND MINERALIZATION

The Eagle Zone is located near the western end of the Dublin Gulch Stock. Mineralization occurs proximal to the sediment/intrusive contact consisting of subparallel veins hosted within, and less commonly by sediments adjoining, the intrusive. The zone has been defined for a strike length of 800 metres and is up to 350 metres wide. Table 2.1 shows the Eagle Zone subdivided by target area. The Eagle Zone is a continuous zone of mineralization with the subdivisions signifying the purpose for drilling rather than separate discrete zones (Fig. 2.3). The zone is still open along strike to the west and down dip.

Table 2.1: Eagle Zone Subdivisions

Eagle Zone Subdivision	Easting Range	Comments
Main Zone	460100E - 460350E	
Main Zone High Grade	460175E - 460275E	Between 7099200N and 275N
Northern Extension	460125E - 460225E	North of 7099500N
Eagle Zone East	460350E - 460475E	
Northern Limb	459900E - 460100E	
Northern Limb Western Extension	459675E - 459900E	Open to the West
Southern Limb	459900E - 460100E	
Southern Limb Western Extension	459850E - 459900E	

The primary purpose for drilling on the Main Eagle, East End, North Limb, and South Limb Zones was to convert 1995 inferred resource blocks into the indicated category for the 1996 resource calculation. The secondary purpose was to drill south (180° Az.) to map the gold grade in a second direction to prove continuity and dispell notions of north drilling directional bias.

The Main Eagle High Grade Zone was drilled to prove continuity of previously drilled, extensive high grade intersections and therefore remove artificially imposed restrictions implemented in the 1995 resource calculation. This zone also possesses the potential for a high grade starter pit to assist in the mine cash flow estimate.

The Northern, Eastern, North-Limb Western, and South-Limb Western Extension Zones were drilled to extend and increase the resource of the Eagle Zone ore body.

2.3.1 Lithology

There are essentially only two lithological units encountered in the Eagle Zone area, granodiorite of the Dublin Gulch Stock, described under property geology, and hornfelsed meta-sediments. By the Eagle Zone, the southern intrusive contact is steep north to northwest dipping. The north contact is moderate dipping with local steep dipping sections and northeast of the zone, the contact is generally steep dipping. Changes in the contact orientation, combined with topographic effects, result in an abrupt narrowing in the surface expression of the contact near the eastern end of the Eagle Zone.

The meta-sediments are composed of two basic units. The quartzites are partly feldspathic and very weak to moderately foliated depending on the varying amounts of sericite +/- biotite +/- chlorite. The phyllites are well-foliated compact aggregates of biotite and sericite intercalated with irregular lenses of quartz(ite) up to 10cm. Contact

metamorphism commonly results in radiating <1cm porphyroblasts of andalusite +/- feldspar oriented within the plane of foliation. The meta-sediments contain low (0 - 0.25%) amounts of calcite and sulphides (trace to 0.1%). Although the meta-sediments are dark grey to black in color, graphite is a minor constituent.

The granodiorite was broken into three categories for metallurgical and environmental studies based on varying mineralogy, sulphide content, and physical characteristics. The three classifications are: relatively unaltered, sericite altered (described below), and weathered. Weathering is concentrated around fault and broken rock zones and is very variable to depth. It ranges from less than 10m from surface to over 180 metres. Sediments, and granodiorite capped by sediments, show less weathering development than granodiorite which outcrops.

A few minor dykes were observed, including rare narrow aplite dykes and a fine grained plagioclase rich dyke up to 12 m wide. This unit was noted in four drillholes on section 60075E and in one drillhole on 60325E.

2.3.2 Alteration and Mineralization

The alteration in the Eagle Zone was observed to be generally subtle and restricted to the vein selvages which are often less than 5mm wide. The changes in mineral assemblages occur both laterally along the veins and outwards from the vein wall. These variations were thought to be the result of the interaction of the mineralizing fluid with the wallrock rather than simple cooling (April 9, 1996 report "Dublin Gulch Eagle Zone, Yukon Territory, Summary of Alteration"). The observed veins were characterized by quartz ± K-spar ± (carbonate ± chlorite) with selvages of K-spar grading outwards to sericite ± chlorite (green to blue) ± carbonate to chlorite (blue) to fresh host rock. Variation in chlorite composition is broadly related to vein proximity. Green birefringent chlorite occurs near and within veins, blue birefringent is dominant away from the veins, and no chlorite occurs in unaltered material.

Alteration and mineralization in the Eagle Zone are a direct result of the intrusion, subsequent cooling, and associated fluids of the Dublin Gulch Stock. The character of the alteration and mineralization changed over time, reflecting the different chemistry and temperature regimes, as the system cooled (Figure 2.4). Earliest mineralization ranges from hairline fracture fill to wallrock impregnations up to several centimetres wide. They consist of K-feldspar +/- quartz +/- albite to quartz + K-feldspar veins with very weak alteration or narrow (<2 cm) feldspar +/- quartz +/- sericite selvages. This stage is characterized by gold-bismuth deposition, low sulphide mineralization, and the absence of wallrock fabric.

The earlier veins grade into quartz +/- K-feldspar +/- minor ankerite possessing distinctive sericite selvages, lower Au+Bi precipitation, and more abundant but still low sulphide

content (arsenopyrite, pyrite-pyrrhotite). Proximal to veins, plagioclase phenocrysts are altered to sericite and plagioclase in the groundmass is altered to sericite or replaced by K-feldspar +/- quartz +/- ankerite. Biotite is altered to muscovite - sericite - Ti-oxide or chlorite - muscovite - ankerite - Ti-oxide. Alteration selvages may contain minor disseminated sulphides. Narrow zones of deformation occur along selvages.

Late alteration and mineralization are characterized by up to 30 metre wide zones of sericite alteration, very little gold deposition, and up to 1% sulphide in the wallrock. Plagioclase is altered to sericite-calcite/ankerite, biotite is altered to muscovite-sericite-Ti oxide, and K-feldspars are partially replaced by calcite. Brittle deformation and narrow cataclasite zones are commonly associated.

The most common sulphides, in decreasing relative abundance, are: pyrrhotite, pyrite, arsenopyrite, and chalcopyrite. Minor zones of sphalerite - galena - arsenopyrite - pyrite - chalcopyrite mineralization were observed. These zones are always encountered within structures, and contain both deformed and undeformed sulphides, indicating emplacement contemporaneous with late deformation.

Carbonate occurs as an alteration product of feldspars, and in late fractures and veinlets. In the Eagle Zone, relatively unaltered granodiorite has an average carbonate content of 1.5%, while strongly sericite altered zones contain 4% carbonate on average. Scanning electron microscope analysis shows that most carbonate is calcite.

Weak montmorillonite alteration of feldspars is occasionally observed. Whether this is due to hydrothermal alteration of feldspars, or weathering of weakly sericite altered feldspars is uncertain. However, areas of strong clay alteration centered around structures are presumed to be the result of weathering and not hydrothermal alteration. These areas are not abundant.

2.3.3 Structure

Much of the structure within the deposit developed contemporaneous with the alteration and mineralization. Veins strike from 060° to 085° and dip -60° to -58° to the south. They range in size from less than 1 mm to rarely greater than 10 cm, but are most commonly 0.5 to 1.0 cm wide. Vein densities range from less than one per metre to locally greater than 15 per metre, with an average of 3 to 5 per metre in the ore zone. While individual veins dip to the south, concentrated zones of veining dip steeply to moderately north, subparallel to the intrusive contacts.

Narrow foliated zones occur along some vein selvages. Brittle deformation, weak brecciation and narrow zones of cataclasite developed during late stages of alteration. They are generally at a shallow angle to earlier veins, and frequently deform them. In

general, this deformation was somewhat more east-west trending than earlier mineralization.

Late structures include steep east dipping narrow fault zones and post alteration movement on structures subparallel to the ore zones. No major faults have been identified in the Eagle Zone, but minor faults with a maximum 25 metre dip slope movement (south side down) have been correlated across sections.

The most common joint set orientations are: 000°/62°E, 072°/84°SE, 126°/83°SW, and 333°/72°NE.

2.3.4 Occurrence of Gold

Gold occurs in veins as native gold liberated in gangue or associated with bismuth minerals. Grains are relatively large, with an average size of 120-150 microns (Honea, 1993). Lesser amounts of small (<20 micron) gold particles appear encapsulated in arsenopyrite. Individual veins grade in the range of 10-30 g/T (0.29-0.87 opt) Au, however sample intervals of 1.5m (5 feet), encompassing both the vein and granodiorite host material, typically grade between 0.8 to 2.0 g/T (0.023-0.058 opt) Au in the ore zone. Silver values are generally lower than gold values.

A chemical and shape analysis (John Knight; April 10, 1996. "Report on the Mineralogy of Gold Particles from the Dublin Gulch area, Yukon Territory) of gold particles from 4 samples in the Dublin Gulch area and a partial literature review revealed that the area appears to have an unusually complex gold distribution history with numerous sources and unusual dispersion patterns. The fineness of the gold recovered varies from 700 to nearly 1000 with Hg present to <1 wt% in most samples.

It appears that the composition signature of a very high fineness for the Eagle Zone (>950) is not only distinctive for this zone but is also typical for this type of deposit, which may allow for the location of additional similar-type deposits.

Gold of the fineness of the Eagle Zone sample (980) is not common in the placers. However, assuming that the deposit signature is broadened to ≥900 fine in the placers, it is tentatively concluded that about a quarter to a third of the gold in Dublin Gulch and most of the gold in Haggart Creek possesses this signature.

2.3.5 Rock Geochemistry

All 1995 samples from drilling were subjected to both a gold assay and multi-element ICP analysis. The elemental variation in the system was observed to be minor and erratic with no apparent patterns outlined. In addition, the 8,500 ICP samples procured in the 1995

drilling were believed to already be a significant database. Therefore, no multi-element ICP analysis was performed for the 1996 Eagle Zone drilling.

In 1996, all samples collected from outside the Eagle Zone were subjected to both a gold assay and multi-element ICP analysis.

A total of 84 whole rock analyses, including both major constituents and certain trace elements, were performed on selected samples.

The ICP results confirm the overall low level of mineralization in the deposit. Table 2.2 compares the average abundance of several elements, commonly associated with mineralization within the granodiorite in the area of the Eagle Zone (6451 samples), with average crustal abundance. The table illustrates that the main elemental enrichments are Au, As, Bi and Sb. Lesser enrichments of W, Ag, Mo, Pb, Cd, and Zn occur.

There is no enrichment in Cu on average, though minor Cu mineralization has been noted. The generally low Cu content (only two samples have more than 1000 ppm Cu and <2% have >100 ppm Cu) is distinct. Mo is never more than 100 ppm in any sample. The Eagle Zone mineralization, while porphyry intrusive-hosted, is very different from the Cu-Mo porphyries more commonly found in the cordillera.

There is a very strong correlation between Au and Bi and a strong correlation between Ag, Cd, Pb, Sb and Zn. However there is only very weak or no correlation between Au and Bi with these other elements. The ICP data supports the observations from core that gold and bismuth occur in veins early in the mineralizing event, while the other elements were deposited in a later event.

The abundance of Ag and base metals increase in sericite-altered granodiorite. Sphalerite and galena +/- arsenopyrite have been observed in late structures.

Visually, arsenopyrite is observed with both gold and base metals in the quartz veins. The ICP data corroborates this observation by revealing a weak arsenopyrite correlation with Au and Bi, as well as the other elements. Therefore, arsenopyrite is believed to be present throughout the mineralizing event.

Both Mo and W appear to occur independent of other elements, although some molybdenum was observed with gold in veins.

Whole rock analysis of the intrusive (Table 2.3) indicates a typical composition for a granodiorite, except for slightly lower Na_2O in the Eagle Zone area. The Na_2O content decreases from outside the Eagle Zone, to unaltered granodiorite within the zone, to sericite altered granodiorite. In conjunction, there is an increase in loss-on-ignition (LOI). This is likely due to the development of sericite +/- clays in the Eagle Zone.

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

WHOLE ROCK AND ICP AVERAGES

Table 2.2: Whole Rock Composition

Rock Type	Alteration	Total (%) Sulphur	Whole Rock (%)												Low Level Whole Rock (ppm)					
			Al_2O_3	CaO	Cr_2O_3	Fe_2O_3	K_2O	MgO	MnO	Na_2O	P_2O_5	SiO_2	TiO_2	LOI	Total	Ba	Nb	Rb	Sr	Zr	Y
Eagle Zone Area			averages from 138 samples																		
Granodiorite	unaltered	0.18	13.84	3.10	0.02	3.68	4.74	1.41	0.03	1.91	0.12	66.63	0.51	3.07	99.07	1523	10	179	403	178	11
Granodiorite	sericite	0.33	13.54	2.91	0.02	3.65	4.79	1.24	0.05	1.43	0.12	66.91	0.49	3.94	99.08	1393	11	181	311	180	11
Granodiorite	weathered	0.03	14.42	2.72	0.02	3.56	4.97	1.39	0.03	1.99	0.13	66.81	0.55	2.52	99.10	1659	10	188	378	192	13
Metasediments		0.06	14.96	1.28	0.03	4.81	4.07	1.44	0.04	1.14	0.08	68.35	0.64	2.40	99.24	886	11	169	123	191	18
East Side of Dublin Gulch Stock			average of 3 samples																		
Granodiorite	unaltered	n/a	15.37	3.64	0.02	3.61	4.38	1.51	0.04	2.75	0.14	66.71	0.56	0.47	99.22	1686	20	163	497	190	20

Table 2.3: Comparison of Elemental Abundance in the Eagle Zone Granodiorite with Crustal Averages

Granodiorite Composition based on 6451 ICP analysis

	ICP Data (ug/g)										
	Au (ug/g)	Ag	As	Bi	Cd	Cu	Mo	Pb	Sb	W	Zn
Granodiorite	0.80	0.40	333	19	0.74	34	7	50	11	15	117
Crustal Average	0.004	0.07	1.8	0.2	0.2	55	1.5	13	0.2	1.5	70
(X increase)	200	6	185	95	4	1	5	4	55	10	2

Total sulfur increases with sericite alteration, although the total is still low (average 0.33%). Weathered granodiorite has less total sulfur due to the removal of sulphides. Whole rock analysis does not show any other distinct compositional changes with alteration of the granodiorite and does not highlight the overall low degree of alteration associated with the mineralization.

The sediments are quartz rich, and have similar composition to the granodiorite, although they have somewhat lower CaO, K_2O, Na_2O, P_2O_5, Ba and Sr content and slightly higher Fe_2O_3 content.

2.4 GENETIC MODEL

The main presumption of this genetic model is that the Dublin Gulch Stock was the gold source, or active parent, for the Eagle Zone deposit. This theory is supported by the common association of similar Tombstone intrusions with gold mineralization elsewhere, regardless of country rocks.

Therefore, earliest k-spar alteration and low sulphide, high gold-bismuth, mineralization were essentially formed by magmatic fluids. These fluids were presumably derived from differentiation in the solidifying central part of the magma, and emplaced in what must have been the more solidified granodiorite near the extremity of the intrusion. Since the fluids were only slightly differentiated from the rock that it was intruding, little alteration occured.

As the magma cooled, and hydrothermal systems developed, the chemistry of the fluids changed over time (Fig 2.4).

The environment gradually shifted from a predominantly k-spar to a sericite alteration regime. This transition can be observed by quartz veins with k-spar selvages, k-spar selvages exhibiting sericite overprinting, and veins possessing only sericite selvages. Sulphide mineralization increased, and gold-bismuth deposition decreased.

At this stage, the fluids are no longer in equilibrium with the surrounding rock. The sericite alteration does not remain confined to the vein selvages, but becomes stronger and more widespread. Contemporaneous with these changes in alteration, there was an increase in deformation and base metal sulphides.

However, the intensity of the alteration is still weak compared to most large gold systems, with no major mobilization of metals occurring.

2.4.1 Geometry of the Eagle Zone

The Intrusive stock, at the Eagle Zone, is at its most constrictive point. In the Eagle Zone; quartz veining and related Au-Bi mineralization exhibit a distinct affinity with the contact between the Dublin Gulch Stock and the surrounding metasediments. Fig 2.5 shows an idealized, pre-erosional, cross-section across the Eagle Zone at the intrusives most narrow point. The sheeted quartz veins form a stacked inverted-horshoe. The two limbs of the horshoe follow the hangingwall and footwall metasediment contact with the major concentration of veining occurring in the apex of the intrusion.

The gold mineralization is mainly restricted to within the granodiorite, with minor penetration into the capping metasediments. Larger isolated gold-bearing quartz veins occur sporadically within the metasediments.

Early alteration occurs in planar parallel structures, restrained as vein selvages. Later pervasive alteration retains the overall geometry, but forms more expansive alteration fronts, somewhat removed from the apex.

The most constrictive point of the intrusive, forms the core of the ore body and exhibits the greatest concentration of veining. To the west, as the intrusive widens at surface to 200-250m, the tendency of the veining to follow the metasedimentary contact causes the ore zone to bifurcate. The western-extension northern ore limb follows the hangingwall metasedimentary contact and the western-extension southern limb mirrors the footwall contact. To the east, the surface expression of the intrusive widens abruptly and has a significant affect on the ore zone. The ore zone continues to follow the footwall contact, but quickly narrows and becomes sub-economic. The northern hangingwall metasedimentary contact disappears as does the ore zone in this area.

3.0 1996 ASSESSMENT WORK

The reverse circulation drilling was performed by Midnight Sun Ltd. of Whitehorse, YT, which employed a T450-H Schramm air rotary drill with a 750 CFM/300 PSI compressor mounted on a Cat 235 undercarriage for the Eagle Zone exploration holes. Related equipment included a skidder, 1-ton flat deck, Hiab, and a parts trailer.

The skidder was employed to shuttle fuel and water to the drill. The fuel was transported in a 500 gallon metal container from a larger fuel tank near camp and the water in a ~1,000 gallon metal container from a sump in Eagle Pup located at the first major switchback (970m elev.). If the water supply at this location was not sufficient, it was obtained lower down in Dublin Gulch.

The reverse circulation monitoring well hole was performed by a T685-H Schramm air rotary drill with a 1000 CFM/500 PSI compressor mounted on a tandem forward 9000. A second vehicle was employed to transport and hold all the drill rods.

The diamond drilling was performed by Advanced Drilling Ltd. of Vancouver, BC, which employed a long stroke Model 200 Superdrill. In addition, Advanced operated a D6 Caterpillar bulldozer for the drill moves. The bulldozer was slightly underpowered for some of the steeper or longer moves and assistance was provided from Dublin Gulch Mining Ltd.'s D9 Caterpillar bulldozer.

Two water pumps in series were required to supply the drill. The first pump was located on Dublin Gulch adjacent to the old Can Tung camp at an elevation of 875m. A 1.4km metal water line, running up Eagle Pup, connected the first pump to a sump in Eagle Pup at an elevation of 1,090m, near hole 92-024R. At this location a second pump drew the water from the sump and transported it, via metal pipe, for another 150m up to the main road at an elevation of 1,150m. At this point, the metal pipe was connected to a rubber hose water-line to convey the water the remaining distance to the drill. The majority of the holes required <1km of rubber line, with the maximum length ever needed equal to approximately 1.3 km.

During freezing conditions up to four coil heaters, spaced along the length of the metal water line, were required to keep the water flowing.

The 1996 claim assessment drilling is summarized in Table 3.1

Table 3.1: 1996 Claim assessment Drilling Breakdown

	Holes	Metres	Feet
CORE			
Geotechnical	3	127.1	417
RC			
Exploration	1	131.7	432
Monitoring Wells	1	50.3	165
	2	182.0	597
Auger			
Clay Deposit	19	182.6	599
96 TOTAL:	**24**	**491.7**	**1,213**

A total of 3 HQ geotechnical core holes, 2 reverse circulation (RC) holes, and 19 clay deposit exploration auger holes were drilled for assessment on the Dublin Gulch Project in 1996 totalling 491.7 metres.

The three HQ core holes were utilized for geotechnical assessment and condemnation of the Mine Waste Rock Storage Area (MWRSA). The geotechnical holes were drillled from August 14 to 16 and cost a total of $ 11,067 averaging $87/m ($26.5/ft); excluding room & board, assay costs, and pad building.

The two RC holes were utilized for exploration drilling (96-207R) on the Eagle Zone and monitoring well drilling (96-244R) in the proposed Heap Leach Pad Area (HLPA). Hole 96-207R was drilled on June 17-18,1996 and cost $ 9,285 and hole 96-244R was drilled on July 30,1996 and cost $ 5,678; excluding room & board, assay costs, and pad building.

The clay deposit exploration holes were drilled by Trashell Placer Mining Ltd. from Edmonton, Alberta, a small placer outfit operating in neighbouring Gill Gulch; a tributary west of Haggart Creek and just south of the confluence with Dublin Gulch. The location for the clay deposit exploration drilling program was situated on their placer claims, bordering Gill Gulch to the north and south. They possessed their own auger drill and requested the contract to perform the clay deposit auger drilling program.

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

1996 CLAIM ASSESSMENT
DRILLHOLE LOCATIONS

20/03/97

TABLE 3.2

DRILLED HOLE #	SECTION or REFERENCE	CLAIM	NORTHING	EASTING	ELEVATION	AZ.	DIP	DRILLED		DATE	
								Metres	Feet	Started	Ended
EAGLE ZONE EXPLORATION REVERSE CIRCULATION DRILLING											
207R	59825	SMOKY 52	7,099,181.404	459,822.342	1,056.405	180	-50	131.7	432.0	17/06/96	18/06/96
MWRSA GEOTECHNICAL DIAMOND DRILLING											
241C	GT96-12	D.G. 52	7,100,787.762	459,862.880	902.571		-90	34.7	114	14/08/96	15/08/96
242C	GT96-13	D.G. 52	7,100,822.801	459,864.637	904.146		-90	36.3	119	15/08/96	15/08/96
243C	GT96-11	D.G. 46	7,100,810.918	460,200.376	995.655		-90	56.1	184	16/08/96	16/08/96
HLPA MONITORING WELL RC DRILLING											
244R	MW96-01	MAR 5	7,100,789.248	463,851.957	1,397.671		-90	50.3	165	30/07/96	30/07/96
GILL GULCH CLAY-DEPOSIT AUGER DRILLING											
TH96-01	458,110	SMOKY 7	7,100,207.583	458,110.127	793.508		-90	12.2	40	30/06/96	30/06/96
TH96-02	458,083	SMOKY 7	7,100,250.360	458,082.942	797.198		-90	9.1	30	30/06/96	30/06/96
TH96-03	458,099	SMOKY 7	7,100,334.615	458,099.152	795.851		-90	7.6	25	30/06/96	30/06/96
TH96-04	458,139	SMOKY 7	7,100,275.600	458,138.932	788.570		-90	7.6	25	01/07/96	01/07/96
TH96-05	458,070	SMOKY 7	7,100,212.442	458,069.943	798.029		-90	12.2	40	01/07/96	01/07/96
GT96-38	458,059	SMOKY 99F	7,100,128.972	458,058.995	790.666		-90	15.2	50	09/08/96	09/08/96
GT96-39	457,928	SMOKY 99F	7,100,132.873	457,928.010	805.735		-90	9.1	30	09/08/96	09/08/96
GT96-40	457,914	SMOKY 99F	7,100,178.856	457,914.313	813.770		-90	9.1	30	10/08/96	10/08/96
GT96-41	457,990	SMOKY 7	7,100,230.421	457,990.367	810.322		-90	4.6	15	10/08/96	10/08/96
GT96-42	458,020	SMOKY 7	7,100,233.198	458,019.913	806.566		-90	4.6	15	10/08/96	10/08/96
GT96-43	458,003	SMOKY 99F	7,100,203.098	458,003.203	801.819		-90	7.6	25	10/08/96	10/08/96
GT96-44	458,073	SMOKY 7	7,100,181.000	458,072.900	795.482		-90	6.1	20	12/08/96	12/08/96
GT96-45	458,054	SMOKY 99F	7,100,082.000	458,053.800	787.272		-90	9.1	30	11/08/96	11/08/96
GT96-46	458,097	SMOKY 7	7,100,127.444	458,096.748	790.038		-90	12.2	40	11/08/96	11/08/96
GT96-47	458,032	SMOKY 99F	7,100,131.120	458,032.472	791.539		-90	9.1	30	12/08/96	12/08/96
GT96-48	458,042	SMOKY 99F	7,100,044.000	458,042.000	799.398		-90	12.2	40	15/08/96	15/08/96
GT96-49	458,081	SMOKY 99F	7,100,036.000	458,081.000	794.575		-90	10.7	35	15/08/96	15/08/96
GT96-50	458,118	SMOKY 99F	7,100,031.000	458,117.900	789.909		-90	15.2	50	17/08/96	17/08/96
GT96-51	458,144	SMOKY 99F	7,099,975.000	458,144.400	790.769		-90	15.5	51	17/08/96	17/08/96

Trashell was provided with an initial contract to drill 5 clay deposit exploration holes. Trashell's performance was very satisfactory, drilling the 5 holes (TH96-01 to 05) in 2 days, averaging 24.3m/day. A second phase program was awarded to Trashell consisting of 14 holes (GT96-38 to 51), which were drilled between Aug. 9-17. Trashell averaged 20.1m/day.

The Camp Access Road upgrade was performed by Dublin Gulch Mining Ltd. approximately 4.7km south of the New Millennium Mining Ltd. exploration camp. The culvert was installed on September 11 utilizing a Caterpillar D10 bulldozer and a 988 loader. The road required final grading on September 16 and 17 with the use of a Caterpillar D9 bulldozer and a 988 loader. The total cost of the upgrade equaled $3,570.

Table 3.2 provides a drill location summary for the 1996 drill program, Figures 3.1 to 3.6 show the locations of the work applied to assessment, and Appendix 1 includes the cost summaries.

3.1 EAGLE ZONE SOUTH-LIMB WESTERN EXTENSION EXPLORATION DRILLING

Hole 96-207R was drilled to test the western extension of the South Limb Zone on section 459825E. The hole was oriented south at a -50° dip and drilled to a depth of 131.7m (432ft). The geological log and Au assays are in Appendix II of this report. Eighty-five continuous 1.524m (5 foot) samples were collected from a 1.5-131.1m (5-430ft) depth and no significant gold mineralized zone was intersected. Only 16 samples (19%) graded >0.5g/T Au with the greatest individual assay grading 4.51g/T Au. The entire length of the hole averaged 0.38g/T Au. This is an anomalous gold zone, but definitely not economically significant.

Hole 96-207R drill results indicate the cessation or narrowing of the South Limb ore zone on this section.

3.2 OPEN PIT AREA INFRASTRUCTURE GEOTECHNICAL DRILLING

There were 3 geotechnical holes drilled for claim assessment in the area surrounding the Eagle Zone proposed open pit location totaling 127.1m (417ft). The three holes are shown in Table 3.3.

Table 3.3: 1996 Claim Assessment Open Pit Area Drill Breakdown

DRILLED HOLE #	HOLE REFERENCE	DRILLED Metres	Feet
Eagle Pup Waste Pile			
243C	GT96-11	56.1	184
Eagle Pup Sediment Pond			
241C	GT96-12	34.7	114
242C	GT96-13	36.3	119

One hole (96-243C) was drilled in the Eagle Pup Mine Waste Rock Storage Area (MWRSA) site and two hole were drilled in the Eagle Pup Sediment Pond Area. The geological logs, geotechnical logs, and assay results are in Appendix III of this report.

Sitka Corp. reported in their 1996 report entitled, "*Dublin Gulch Project, Field Investigation Data Report*" that foundations constructed on the bedrock will be appropriate for these structures.

The three holes were also utilized to test the economic potential under the proposed infrastructure. Twenty-six select samples were collected with 19 samples (73%) assaying below the detection limit of 0.03g/T Au and the highest vaue recorded grading 0.18g/T Au.

The 3 holes have successfully indicated the low economic potential under the proposed Eagle Pup MWRSA and sediment pond.

3.3 HEAP LEACH PAD AREA MONITORING WELL DRILLING

The heap leach pad site sits at about 1300 m to 1420 m elevation in the upper catchment area of Bawn Bay Gulch, a tributary of Dublin Gulch. It is situated on the ridge between Bawn Bay Gulch, Ray Gulch and the Potato Hills and is bordered by relatively steep bedrock slopes.

Most of the pad is located on granodiorite; only the easterly fringe is on metasediment rock. The granodiorite has been affected by varying degrees of weathering. The effects commonly extend to 80 to 100 m depth, but lack continuity.

The hole 96-244R monitoring well was installed just south-east of the proposed Heap Leach Pad (HLP) and encountered metasediments from the drill collar to the end of the hole at a depth of 50.3m (165ft). Groundwater levels were monitored frequently and falling head slug tests were carried out.

The water table beneath the leach pad area is relatively shallow, more-or-less replicating the shape of the topography. It is generally less than 8 m in depth, but is about 17 m deep beneath the topographic divide between Bawn Bay and Ray Gulches where hole 96-244R is located.

The complete methodology, analysis, and results can be found in GeoViro Engineering Ltd., October 1996, "*Hydrology Characterization and Assessment, the Dublin Gulch Project, Yukon*".

Thirty-three continuous 1.524m (5 foot) samples were collected from the drill collar to the end of the hole. Twenty-eight samples (85%) assayed below the detection limit of 0.03g/T Au with the highest value recorded grading 0.17g/T Au, thereby indicating very low economic potential in the area of hole 96-244R. Appendix IV contains the geological log and Au assay results for hole 96-244R.

3.5 GILL GULCH CLAY DEPOSIT AUGER DRILLING

Nineteen Gill Gulch clay deposit auger holes (TH96-01 to TH96-05 and GT96-38 to GT96-51) were drilled by Trashell Mining Ltd., under direct supervision of Sitka Corp., to test the clay's suitability for use as silt liner borrow material for the proposed heap leach pad. A total of 182.6m (599ft) was drilled.

Samples were visually described in the laboratory and water content tests were run. Atterberg limits were determined on selected silty or clayey samples. Particle size distributions (TH96-01, 02, 05, GT96-38, 39, and 42), sieve analyses and hydrometer tests were determined. In addition moisture-density relationships and permeability were measured. Appendix V contains the soil test hole logs for the 19 auger holes.

The silt was determined to be acceptable silt liner borrow material for the proposed heap leach pad. The complete field investigation results are presented in the *October 1996, Sitka Corp. "Laboratory TestingData Report, Dublin Gulch Project*". The laboratory testing was conducted by Golder Associates Ltd., in Burnaby, British Columbia.

4.0 CONCLUSIONS

A total of 3 HQ geotechnical core holes, 2 reverse circulation (RC) holes, and 19 clay deposit exploration auger holes were drilled for assessment on the Dublin Gulch Project in 1996.

Hole 96-207R was drilled to test the western extension of the South Limb Zone on section 459825E. Only 16 samples (19%) graded >0.5g/T Au with the entire length of the hole averaging 0.38g/T Au. This result indicates the cessation or narrowing of the South Limb ore zone on this section.

There were 3 geotechnical holes (96-241C to 243C) drilled in the Eagle Pup MWRSA and sediment pond. Geotechnical analysis identified that foundations constructed on the bedrock will be appropriate for these structures. The 3 holes also indicated a low economic potential under the proposed Eagle Pup MWRSA and sediment pond.

Hole 96-244R was drilled just south-east of the proposed Heap Leach Pad (HLP) and a monitoring well was installed. Groundwater levels were discovered to be approximately 17 m deep beneath the topographic divide between Bawn Bay and Ray Gulches where hole 96-244R is located. In addition 28 samples (85%) assayed below the detection limit of 0.03g/T Au, thereby indicating very low economic potential in the area of hole 96-244R.

Nineteen auger holes (TH96-01 to TH96-05 and GT96-38 to GT96-51) were drilled around Gill Gulch to test the clay's suitability for use as silt liner borrow material for the proposed heap leach pad. The silt was determined to be acceptable silt liner borrow material for the proposed heap leach pad.

5.0 CERTIFICATE OF QUALIFICATIONS

I, Mike Sieb, of #1701 - 1050 Burrard St., Vancouver, BC, do hereby certify that:

1. I have studied geology at Concordia University, Montreal, Quebec, and received a Bachelor of Science degree with a Specialization in Geology, in the spring of 1987.

2. I have continuously practiced my profession in Quebec, Ontario, British Columbia, the Yukon, and Mexico since graduation; except for the time allotted for further studies.

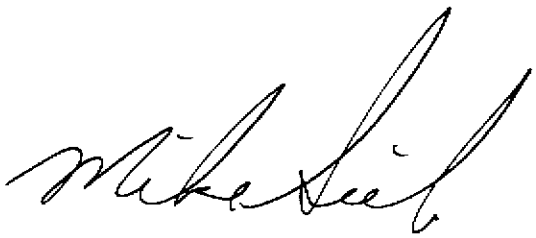
3. I have worked on the Dublin Gulch Project, Mayo, Yukon since June 1995.

4. I have studied business administration at the University of British Colombia (UBC), Vancouver, BC and received a Masters of Business Administration (MBA) in the summer of 1994.

5. I am currently employed by New Millennium Mining Ltd., Stanford Place 2, 7979 East Tufts Avenue, Suite 410, Denver, Colorado, 80237, USA.

6. The statements in this report are based on drill core, drill chips, office compilation, and external consultant reports. I have personally conducted, supervised, or reviewed the work described in this report.

Dated at Vancouver this 20th day of March, 1997.



Mike Sieb, BSc. MBA

6.0 REFERENCES:

Abbott, J.G., 1993. Revised Stratigraphy and New Exploration Targets in the Hart River Area, Southeastern Ogilvie, Yukon. Yukon Exploration and Geology, 1992; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 13-23.

Debicki, R.L., (editor), 1983. Yukon Placer Mining Industry 1978-1982. Exploration and Geological Services, Northern Affairs Program, Indian and Northern Affairs Canada, Yukon, 203p.

GeoViro, "Hydrological Characterization and Assessment, Dublin Gulch Gold Project", October 1996.

Greer, Sheila; October 1995. "Archaeological and Historical Sites Impact Assessment Dublin Gulch Mine Property Final Report". Prepared for Hallam Knight Piésold Ltd.

Hallam Knight Piésold report, "Dublin Gulch Project, Initial Environmental Evaluation , Executive Summary", dated March 1996.

Hallam Knight Piésold report, "Dublin Gulch Project, Initial Environmental Evaluation , Volume I, Development Plan", dated March 1996.

Hallam Knight Piésold report, "Dublin Gulch Project, Initial Environmental Evaluation , Volume II, Environmental Setting", dated March 1996.

Hallam Knight Piésold report, "Dublin Gulch Project, Initial Environmental Evaluation , Volume III, Environmental Mitigation and Impact Assessment", dated March 1996.

Hallam Knight Piésold report, "Dublin Gulch Project, Initial Environmental Evaluation , Volume IV, Community and Regional Socioeconomic Impact Assessment", dated March 1996.

Hallam Knight Piésold report, "Dublin Gulch Project, Initial Environmental Evaluation , Addendum, Volume I", dated December 1996.

Kappes, Cassiday & Associates; "Laboratory Report of Metallurgical & Environmental Studies, Dublin Gulch Project, Yukon Territory". April 1996; Prepared for First Dynasty Mines Ltd.

Knight, John; April 10, 1996. "Report on the Mineralogy of Gold Particles from the Dublin Gulch area, Yukon Territory".

Knight Piésold report, "Report on Evaluation of Heap Leach Facility Alternatives, REF. NO. 1882/1" revised October 6, 1995.

Knight Piésold report, "Report on 1995 Geotechnical Investigations For Four Potential Heap Leach Facility Type Alternatives, REF. NO. 1882/2" dated xx, 1996.

Knight Piésold report, "Report on Feasibility Design of Open Pit Slopes, REF. NO. 1882/3" dated January 16, 1996.

Knight Piésold report, "Report on Feasibility Design of Heap Leach Pad and Associated Structures, REF. NO. 1882/4" dated February 7, 1996.

Knight Piésold report, "Report on Feasibility Design of the Mine Waste Rock Storage Area, REF. NO. 1882/5" dated February 12, 1996.

Murphy, D.C., Mortensen, J.K., and Bevier, M.L, 1995. U-Pb and K-Ar Geochronology of Cretaceous and Tertiary Intrusions, Western Selwyn Basin, and Implications for the Structural and Metallogenic Evolution of Central Yukon. Geological Association of Canada, Program and Abstracts, V.20, p.A-74.

Murphy, D.C., Heon, D., and Hunt, J., 1993. Geology of the Clear Creek Map Area, Yukon (NTS 115/114). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-1.

Murphy, D.C., and Heon, D., 1994. Geology and Mineral Occurrences of Sprague Creek Map Area (NTS 115P/15), Western Selwyn Basin. Yukon Exploration and Geology 1993; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 29-46.

Orssich, C.N., 1981. Geology of the Dublin Gulch Tungsten Skarn Deposits, Yukon Territory. Unpublished B.Sc. Thesis, Carleton University, Ottawa.

Orssich, C.N., 1982. Dublin Gulch, Mayo Mining District, 1982 Exploration Program. Unpublished private company report.

Roots, C.F., and Murphy, D.C., 1992. Geology of the Mayo Map Area, Yukon (NTS 105M). Geological Survey of Canada, Open File 2843.

Sieb, M., "1995 Exploration on the Dublin Gulch Property", February 20, 1996. Unpublished private company report.

Sitka Corp., "Laboratory Testing Data Report, Dublin Gulch Project", October 1996.

Sitka Corp., "Field Investigation Data Report, Dublin Gulch Project", November 1996.

Sitka Corp., "Draft Design Criteria Report", 1996a.

Sitka Corp., "Dublin Gulch Project Open Pit Geotechnical Design", 1996.

Thompson, Anne J.B.; April 9, 1996. "Dublin Gulch (Eagle Zone), Yukon Territory, Summary of Alteration". PetraScience Consultants Inc.

1996 ASSESSMENT REPORT

FIGURES

Dublin Gulch Location Map

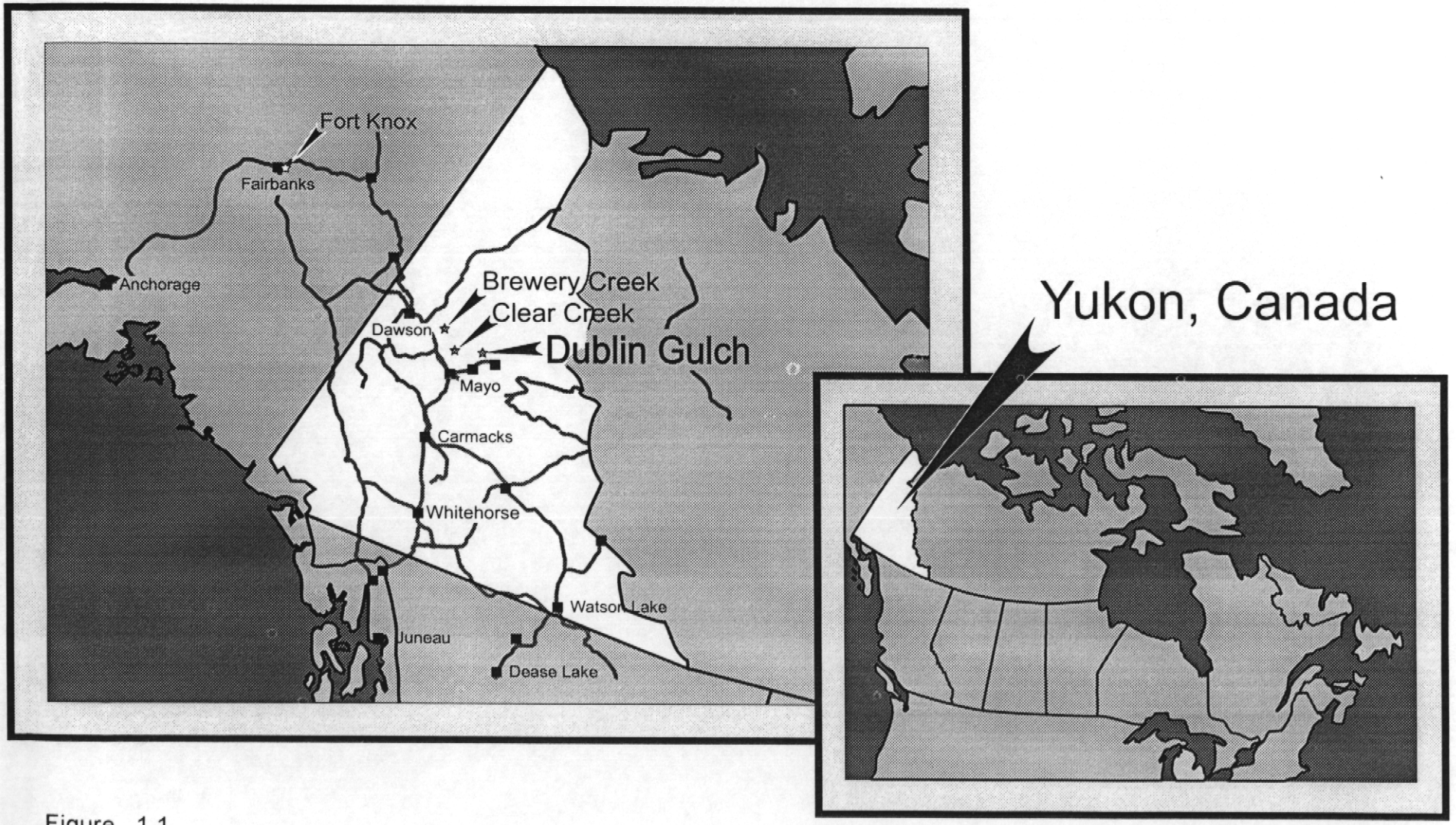
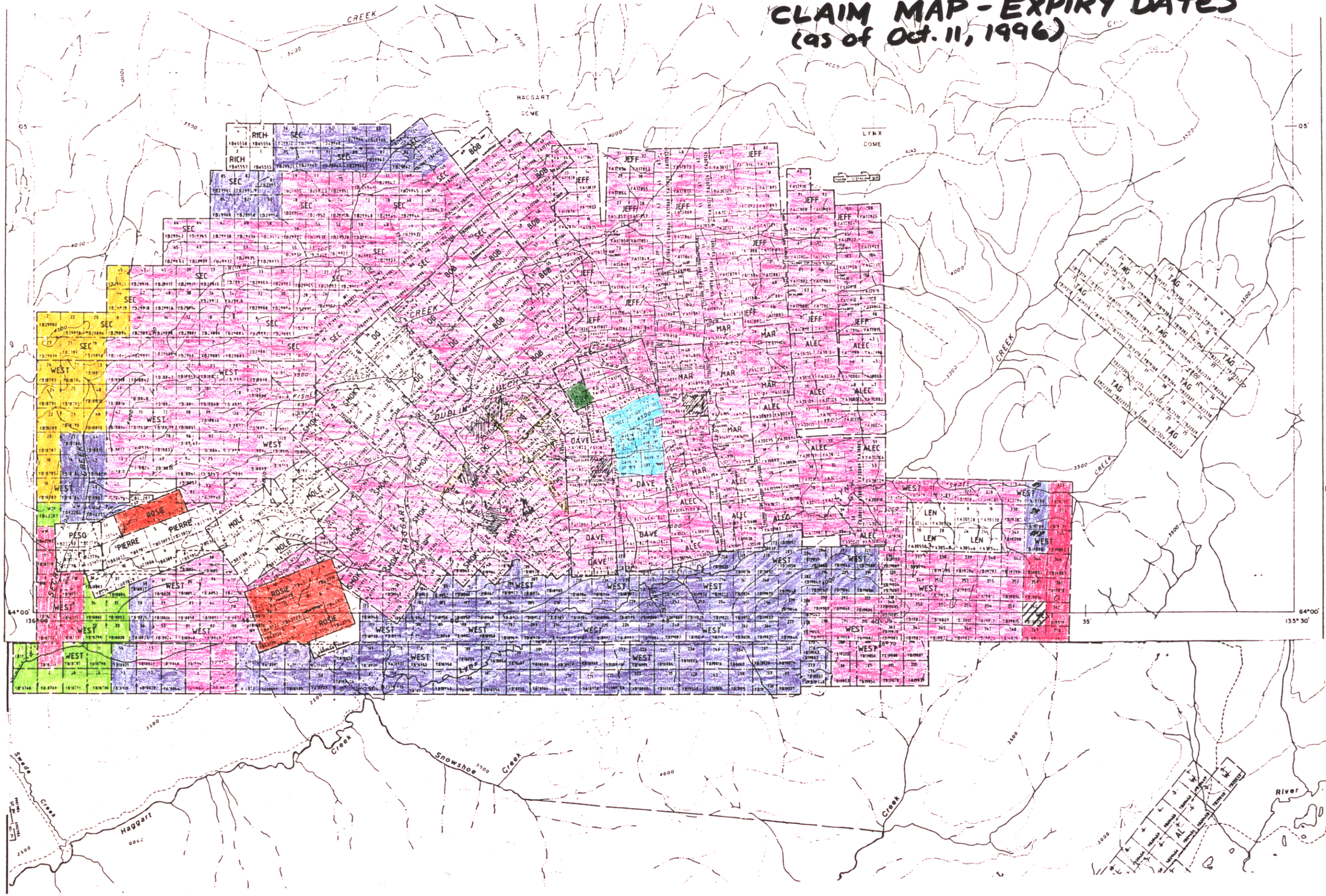


Figure 1.1

DUBLIN GULCH PROPERTY
CLAIM MAP - EXPIRY DATES
(as of Oct. 11, 1996)

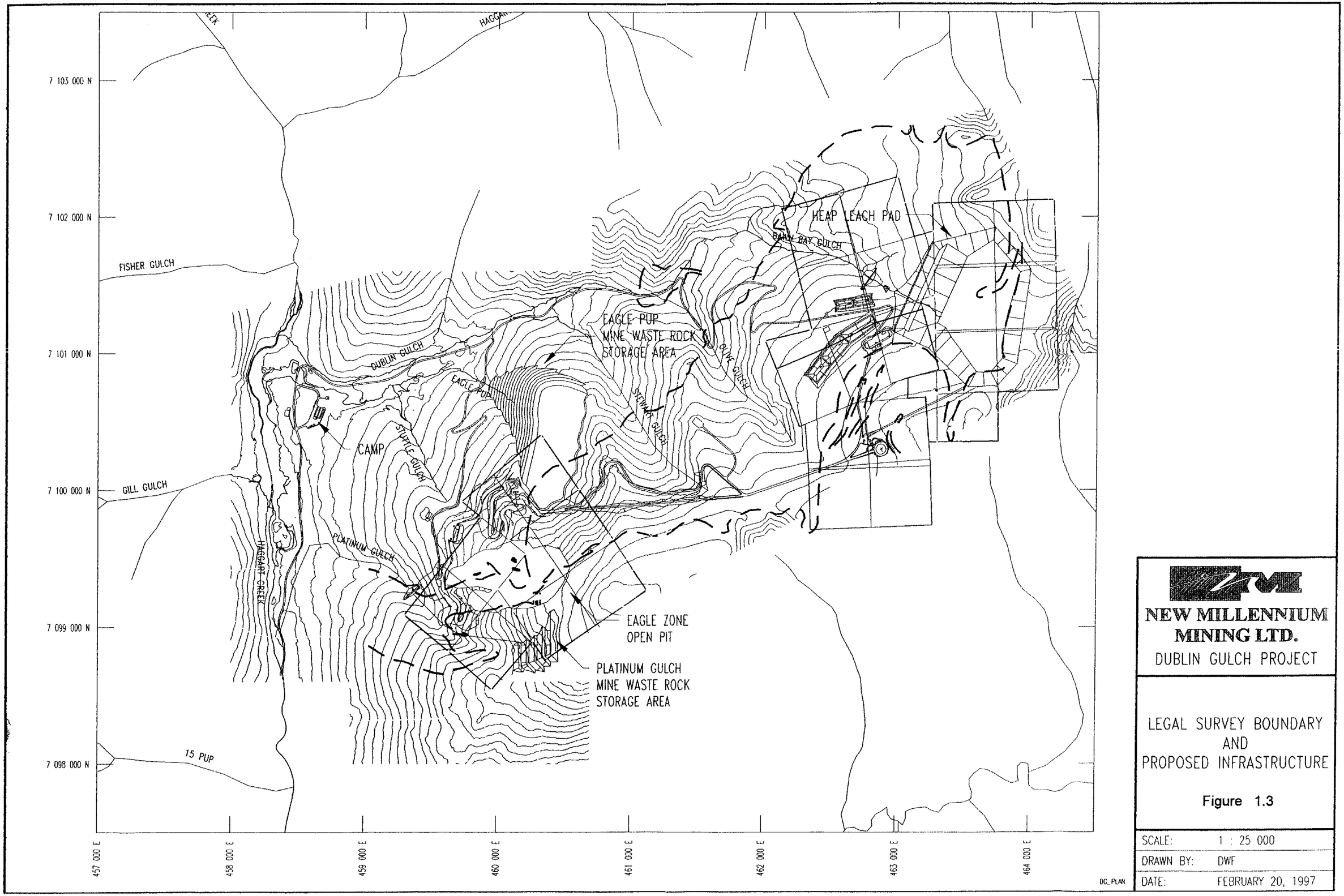


Oct. 1, 1997
Oct. 1, 1998
Oct. 1, 1999
JAN. 1, 2000
Oct. 1, 2000
Oct. 14, 2000
Oct. 1, 2001
JAN 31, 2011

/// relocate next year

093619

Figure 1.2



NEW MILLENNIUM MINING LTD.

DUBLIN GULCH PROJECT

LEGAL SURVEY BOUNDARY
AND
PROPOSED INFRASTRUCTURE

Figure 1.3

SCALE:	1 : 25 000
DRAWN BY:	DWF
DATE:	FEBRUARY 20, 1997

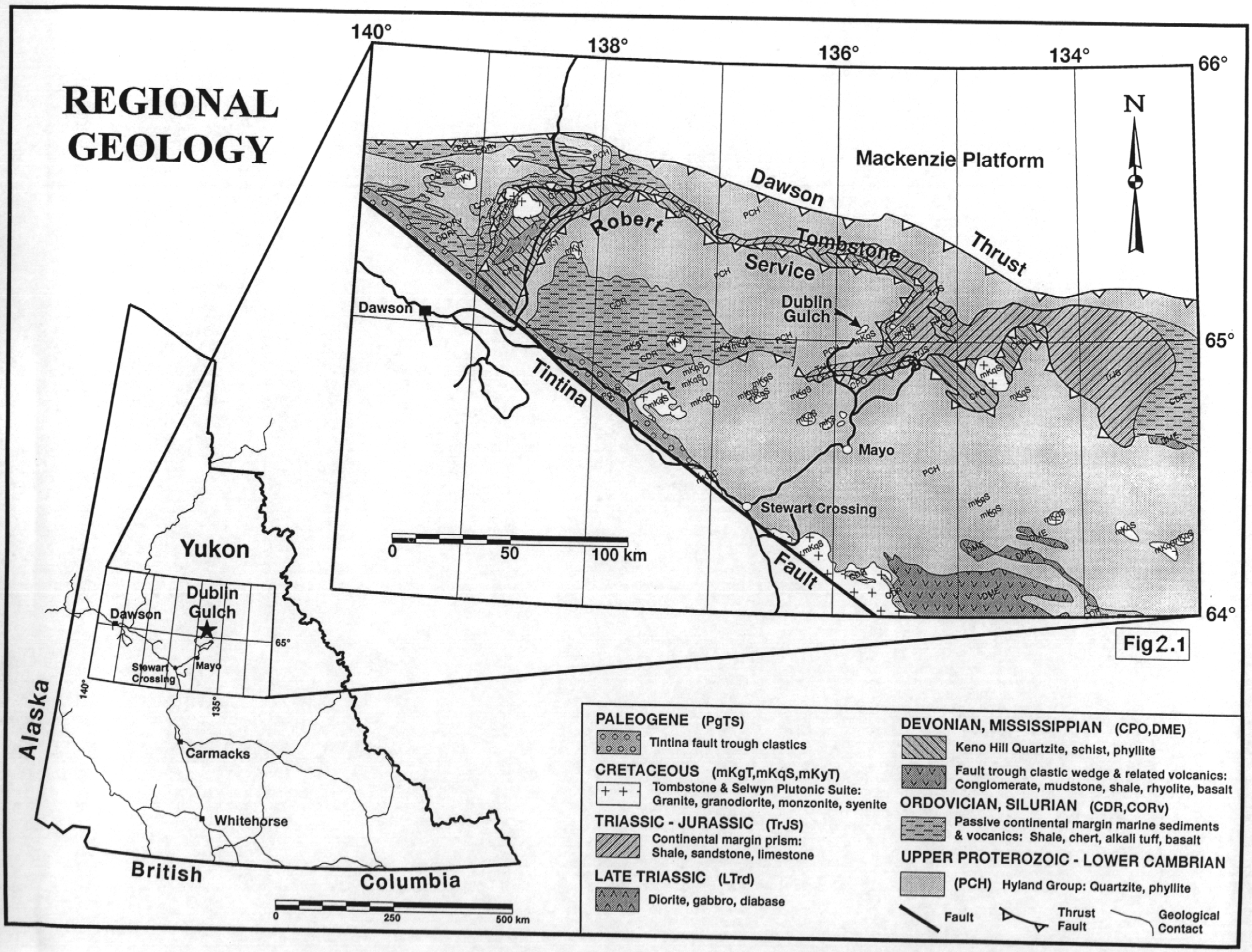

REGIONAL GEOLOGY
140°
138°
136°
134°
66°
65°
64°
N
Mackenzie Platform
Dawson
Robert
Tombstone
Service
Thrust
Dublin Gulch
Tintina
Mayo
Stewart Crossing
Fault
0
50
100 km
Yukon
Dawson
Dublin Gulch
65°
Stewart Crossing
Mayo
140°
135°
Carmacks
Whitehorse
Alaska
British
Columbia
0
250
500 km
PALEOGENE (PgTS)
Tintina fault trough clastics
CRETACEOUS (mKgT,mKqS,mKyT)
Tombstone & Selwyn Plutonic Suite: Granite, granodiorite, monzonite, syenite
TRIASSIC - JURASSIC (TrJS)
Continental margin prism: Shale, sandstone, limestone
LATE TRIASSIC (LTrd)
Diorite, gabbro, diabase
DEVONIAN, MISSISSIPPIAN (CPO,DME)
Keno Hill Quartzite, schist, phyllite
Fault trough clastic wedge & related volcanics: Conglomerate, mudstone, shale, rhyolite, basalt
ORDOVICIAN, SILURIAN (CDR,CORv)
Passive continental margin marine sediments & vocanics: Shale, chert, alkali tuff, basalt
UPPER PROTEROZOIC - LOWER CAMBRIAN
(PCH) Hyland Group: Quartzite, phyllite
Fault
Thrust Fault
Geological Contact

Fig 2.1

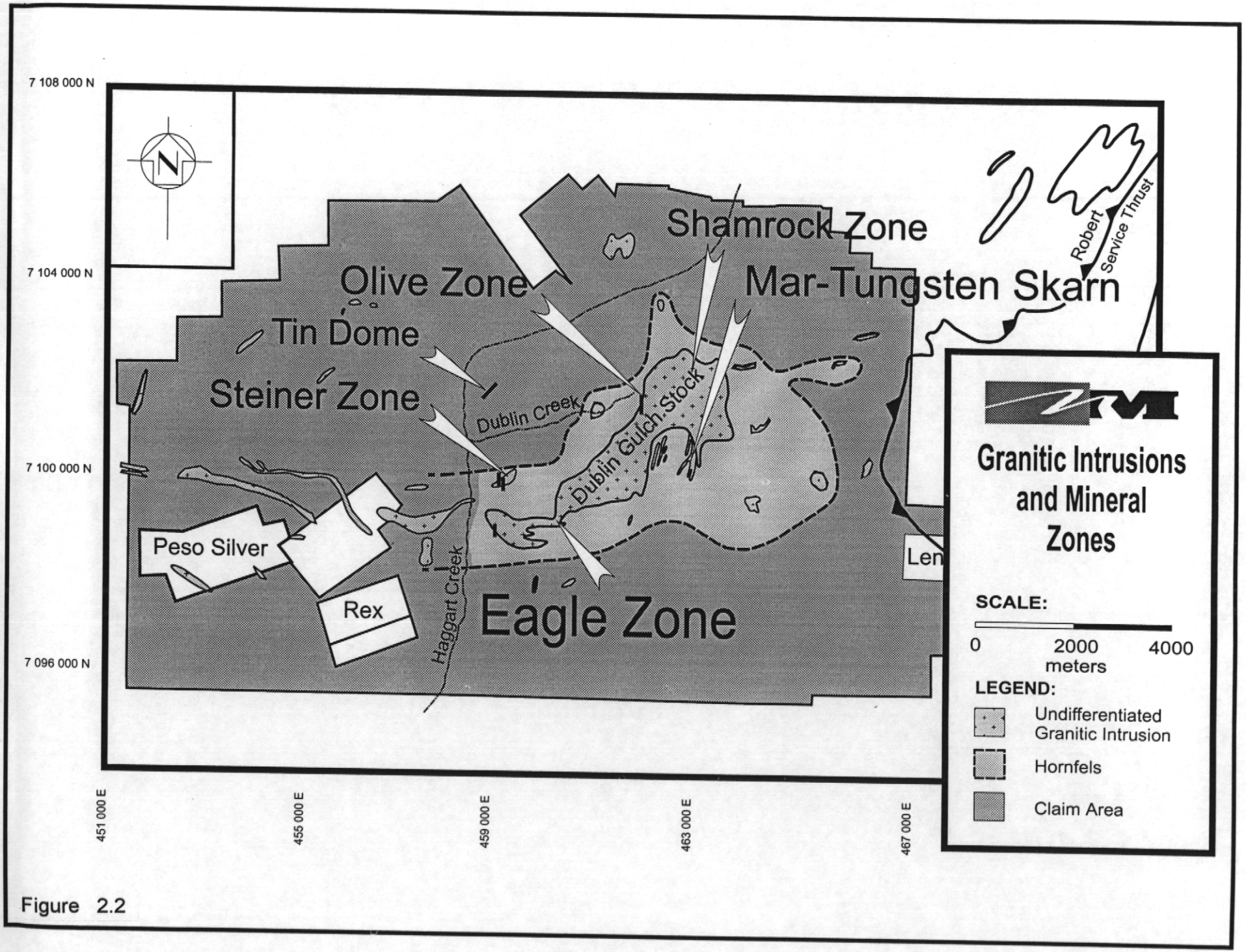

7 108 000 N
7 104 000 N
7 100 000 N
7 096 000 N
N
Olive Zone
Shamrock Zone
Mar-Tungsten Skarn
Robert Service Thrust
Tin Dome
Steiner Zone
Dublin Creek
Dublin Gulch Stock
Peso Silver
Rex
Haggart Creek
Eagle Zone
Len
Granitic Intrusions and Mineral Zones
SCALE:
0
2000
4000
meters
LEGEND:
Undifferentiated Granitic Intrusion
Hornfels
Claim Area
451 000 E
455 000 E
459 000 E
463 000 E
467 000 E

Figure 2.2

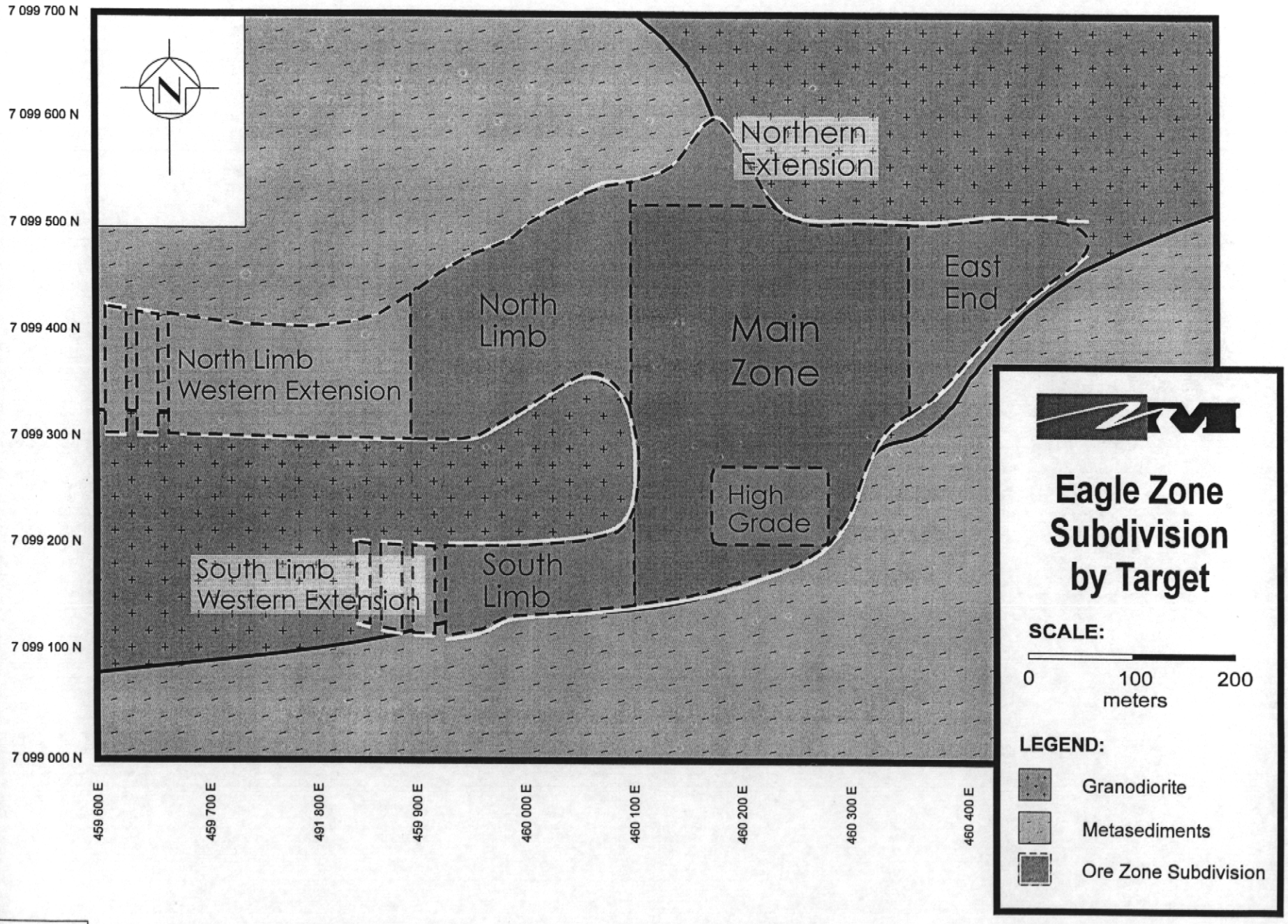

7 099 700 N
7 099 600 N
7 099 500 N
7 099 400 N
7 099 300 N
7 099 200 N
7 099 100 N
7 099 000 N
459 600 E
459 700 E
491 800 E
459 900 E
460 000 E
460 100 E
460 200 E
460 300 E
460 400 E
N
Northern Extension
East End
North Limb
Main Zone
North Limb Western Extension
High Grade
South Limb Western Extension
South Limb
ZRM
Eagle Zone Subdivision by Target
SCALE:
0
100
200
meters
LEGEND:
Granodiorite
Metasediments
Ore Zone Subdivision

Figure 2.3

EAGLE ZONE
GENETIC SUMMARY

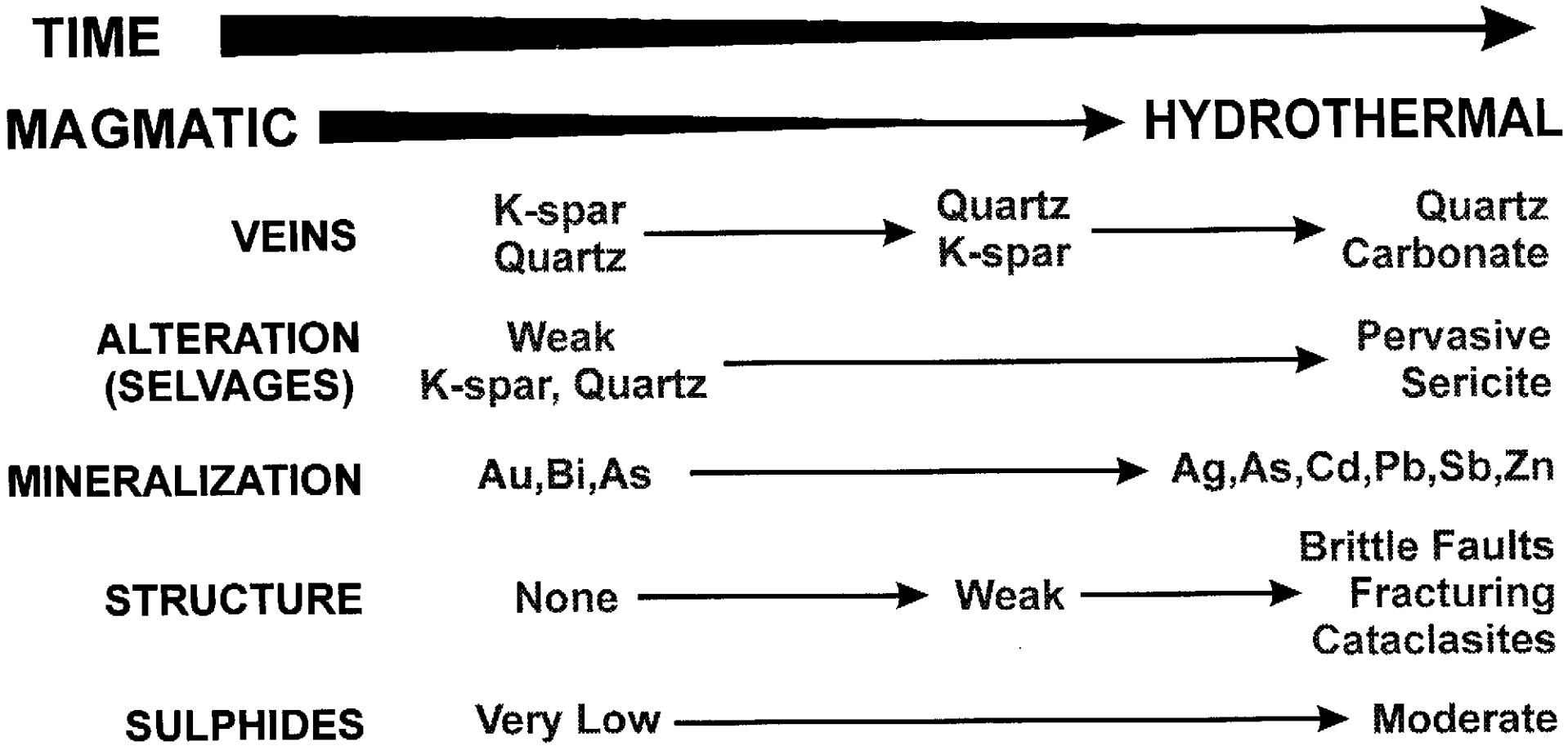


Figure 2.4

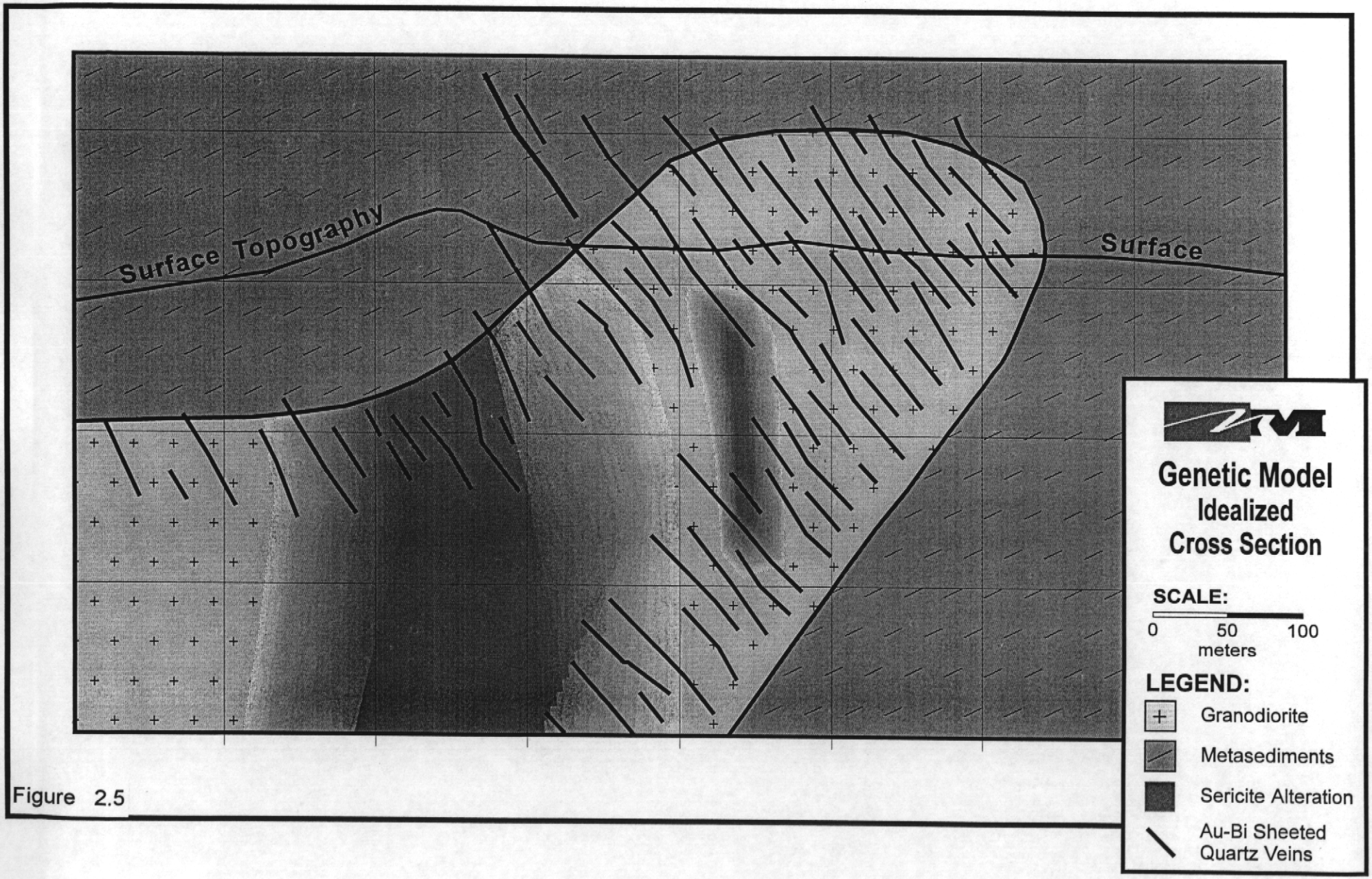

Surface Topography
Surface
Genetic Model
Idealized
Cross Section
SCALE:
0
50
100
meters
LEGEND:
Granodiorite
Metasediments
Sericite Alteration
Au-Bi Sheeted
Quartz Veins

Figure 2.5

HEAP LEACH PAD
MONITORING WELL DRILLING

MWRSA

EAGLE PUP
MINE WASTE ROCK
STORAGE AREA

CAMP

GILL GULCH
AUGER DRILLING

PLATINUM GULCH
MINE WASTE ROCK
STORAGE AREA

EAGLE ZONE
OPEN PIT

EAGLE ZONE
EXPLORATION DRILLING

ACCESS ROAD
CULVERT INSTALLATION

1996
CULVERT
INSTALLATION

BAWN BAY GULCH
DUBLIN GULCH
STEWART GULCH
EAGLE PUP
SKUNTZ GULCH
PLATINUM GULCH
15 PUP
CAMP ACCESS ROAD
HAGGART CREEK
LYNX CREEK

7 102 000 N
7 101 000 N
7 101 000 N
7 099 000 N
7 098 000 N
7 097 000 N
7 096 000 N

457 000 E
458 000 E
459 000 E
460 000 E
461 000 E
462 000 E
463 000 E
464 000 E
465 000 E

CLM_INDEX

N

LEGEND:

95-232A	AUGER DRILL HOLE NUMBER
95-135R	RC DRILL HOLE NUMBER
95-137C	DIAMOND DRILL HOLE NUMBER

SYMBOLS

- 1995 (AND PRIOR) DRILL HOLE LOCATION
- 1996 DRILL HOLE LOCATION
- TEST PIT LOCATION
- GEOLOGICAL CONTACT
- TRENCH

GEOLOGY

GRD	GRANODIORITE
META	META SEDIMENTS
SER	SERICITE ALTERATION
FeOx	WEATHERED ROCK
UNALTERED	UNALTERED / UNWEATHERED ROCK

NEW MILLENNIUM MINING LTD.

DUBLIN GULCH PROJECT

CLAIM ASSESSMENT LOCATION INDEX

Figure 3.1

SCALE:	1 : 30,000
DRAWN BY:	DWF
DATE:	FEBRUARY 12, 1997

7 100 800 N
7 099 600 N
7 099 400 N
7 099 200 N
7 099 000 N
7 098 800 N
7 098 600 N

459 200 E
459 400 E
459 600 E
459 800 E
460 000 E
460 200 E
460 400 E
460 600 E

THEFIELD

FUEL STN &
TRUCKSHOP/WHSE

SEDIMENT
CONTROL POND

PLATINUM GULCH

EAGLE ZONE
OPEN PIT

PLATINUM GULCH
MINE WASTE
ROCK STORAGE
AREA

96-207C

1723
1740
1741
1717
1725
1704
1606
1718
1610
1726
1727

SMOKY 1
SMOKY 2
SMOKY 3F
SMOKY 62
SMOKY 51
SMOKY 64
SMOKY 52
SMOKY 53
SMOKY 66
SMOKY 54
SMOKY 55
SMOKY 68
SMOKY 95F
96F

N

LEGEND:

95-232A	AUGER DRILL HOLE NUMBER
95-135R	RC DRILL HOLE NUMBER
95-137C	DIAMOND DRILL HOLE NUMBER

SYMBOLS

- 1995 (AND PRIOR) DRILL HOLE LOCATION
- 1996 DRILL HOLE LOCATION
- TEST PIT LOCATION
- GEOLOGICAL CONTACT
- TRENCH

GEOLOGY

GRD	GRANODIORITE
META	META SEDIMENTS
SER	SERICITE ALTERATION
FeOx	WEATHERED ROCK
UNALTERED	UNALTERED / UNWEATHERED ROCK

DG_PLAN

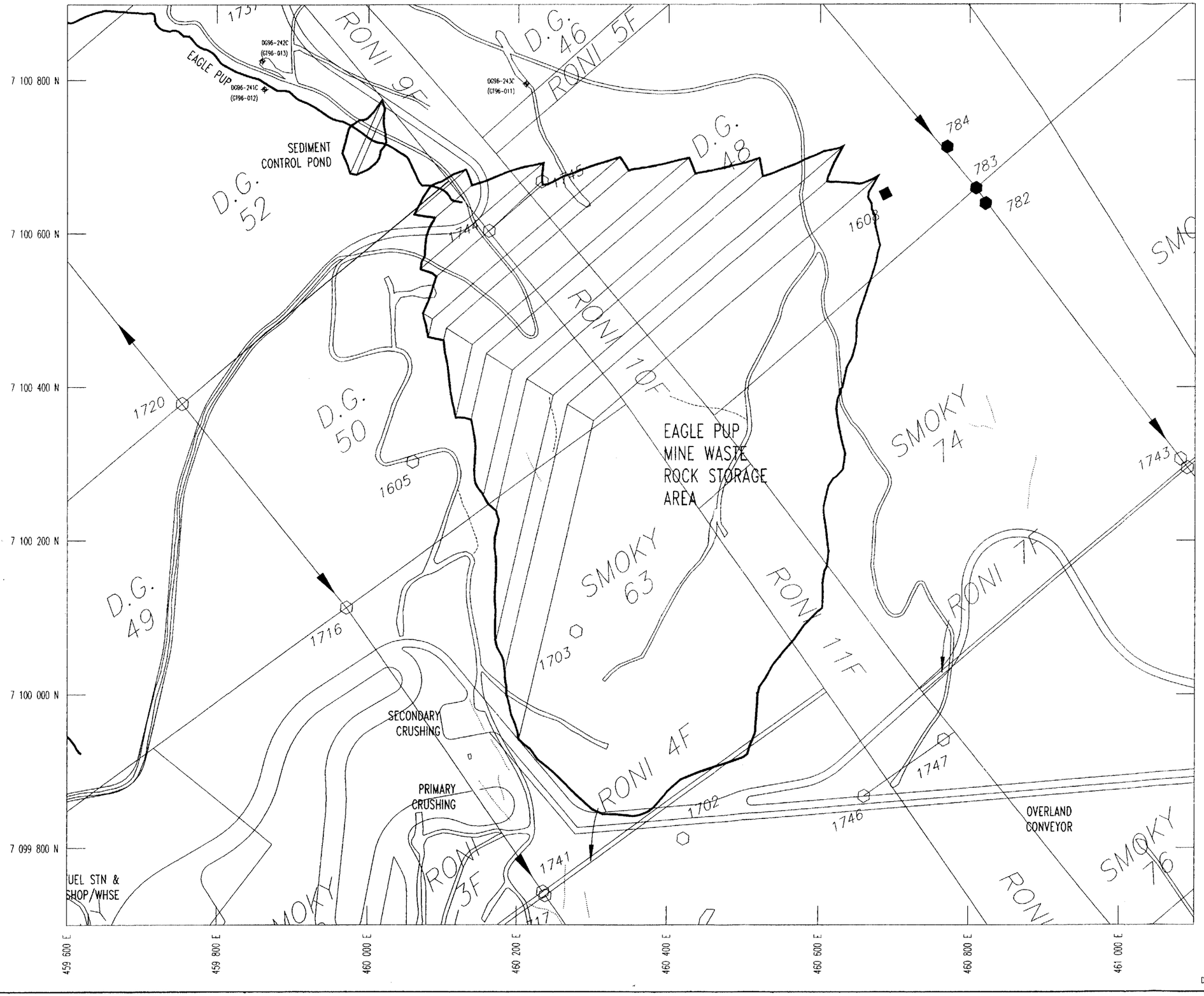
NEW MILLENNIUM MINING LTD.

DUBLIN GULCH PROJECT

CLAIM ASSESSMENT
EAGLE ZONE
SOUTH LIMB EXTENSION
EXPLORATION DRILLING
DG96-207R

Figure 3.2

SCALE:	1 : 5,000
DRAWN BY:	DWF
DATE:	FEBRUARY 12, 1997



LEGEND:

95-232A	AUGER DRILL HOLE NUMBER
95-135R	RC DRILL HOLE NUMBER
95-137C	DIAMOND DRILL HOLE NUMBER

SYMBOLS

	1995 (AND PRIOR) DRILL HOLE LOCATION
	1996 DRILL HOLE LOCATION
	TEST PIT LOCATION
- - -	GEOLOGICAL CONTACT
	TRENCH

GEOLOGY

GRD	GRANODIORITE
META	META SEDIMENTS
SER	SERICITE ALTERATION
FeOx	WEATHERED ROCK
UNALTERED	UNALTERED / UNWEATHERED ROCK

NEW MILLENNIUM MINING LTD.

DUBLIN GULCH PROJECT

CLAIM ASSESSMENT
GEOTECHNICAL DRILLING
(96-241C, 242C, & 243C)
EAGLE PUP
MINE WASTE ROCK
STORAGE AREA (MWRSA)

Figure 3.3

SCALE:	1 : 5,000
DRAWN BY:	DWF
DATE:	FEBRUARY 12, 1997

DG_PLAN

7 101 800 N
7 101 600 N
7 101 400 N
7 101 200 N
7 101 000 N
7 100 800 N

SEDIMENT CONTROL POND
POLISHING PONDS
R.D. 1
BAWN BAY GULCH
JEFF
MARY 4F
RD 10
RD 12
MAR 2
MAR 1
MARY 2F
MARY 1F
MAR 3
MAR 4
HEAP LEACH PAD
MAR 31F
MAR
LOT 1000
RD 9
LOT 1001
RD. 11
ADR/GENSETS
ASSAY LAB
REAGENT/FUEL
WATER TANK/OFFICES
MAR 6
MAR 5
MAR TUNGSTEN DEPOSIT
DAVE 26 F
DAVE 25 F
96-244R
(MW96-001)

462 600 E
462 800 E
463 000 E
463 200 E
463 400 E
463 600 E
463 800 E
464 000 E

DG_PLAN

LEGEND:

95-232A	AUGER DRILL HOLE NUMBER
95-135R	RC DRILL HOLE NUMBER
95-137C	DIAMOND DRILL HOLE NUMBER

SYMBOLS

	1995 (AND PRIOR) DRILL HOLE LOCATION
	1996 DRILL HOLE LOCATION
	TEST PIT LOCATION
	GEOLOGICAL CONTACT
	TRENCH

GEOLOGY

GRD	GRANODIORITE
META	META SEDIMENTS
SER	SERICITE ALTERATION
FeOx	WEATHERED ROCK
UNALTERED	UNALTERED / UNWEATHERED ROCK

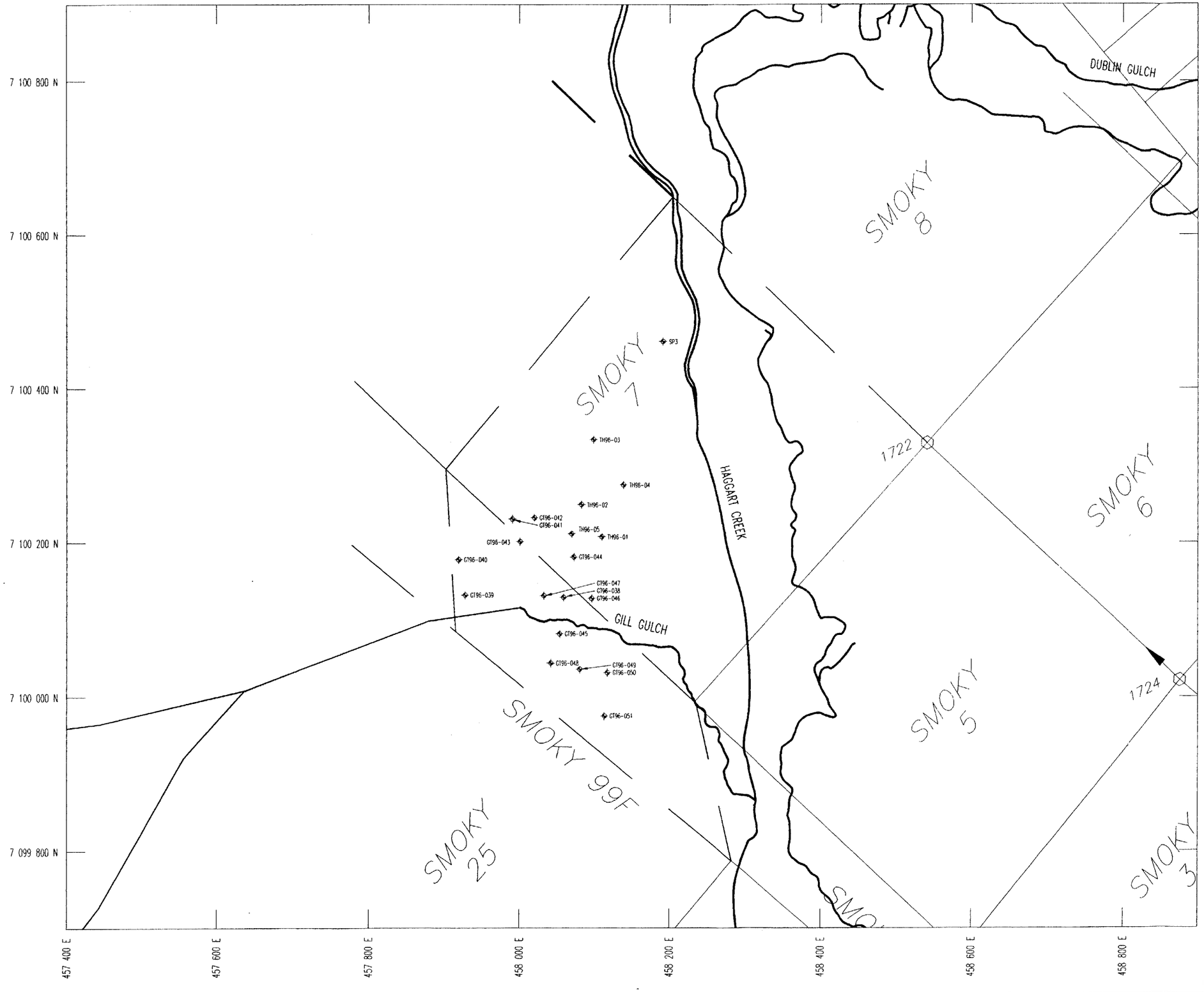
NEW MILLENNIUM MINING LTD.

DUBLIN GULCH PROJECT

CLAIM ASSESSMENT
MONITORING WELL DRILLING
DG96-244R (MW96-001)
POTATO HILLS AREA
PROPOSED HEAP LEACH
PAD AREA (HLPA)

Figure 3.4

SCALE:	1 : 5,000
DRAWN BY:	DWF
DATE:	FEBRUARY 12, 1997



LEGEND:

95-232A	AUGER DRILL HOLE NUMBER
95-135R	RC DRILL HOLE NUMBER
95-137C	DIAMOND DRILL HOLE NUMBER

SYMBOLS

	1995 (AND PRIOR) DRILL HOLE LOCATION
	1996 DRILL HOLE LOCATION
	TEST PIT LOCATION
	GEOLOGICAL CONTACT
	TRENCH

GEOLOGY

GRD	GRANODIORITE
META	META SEDIMENTS
SER	SERICITE ALTERATION
FeOx	WEATHERED ROCK
UNALTERED	UNALTERED / UNWEATHERED ROCK

NEW MILLENNIUM MINING LTD.

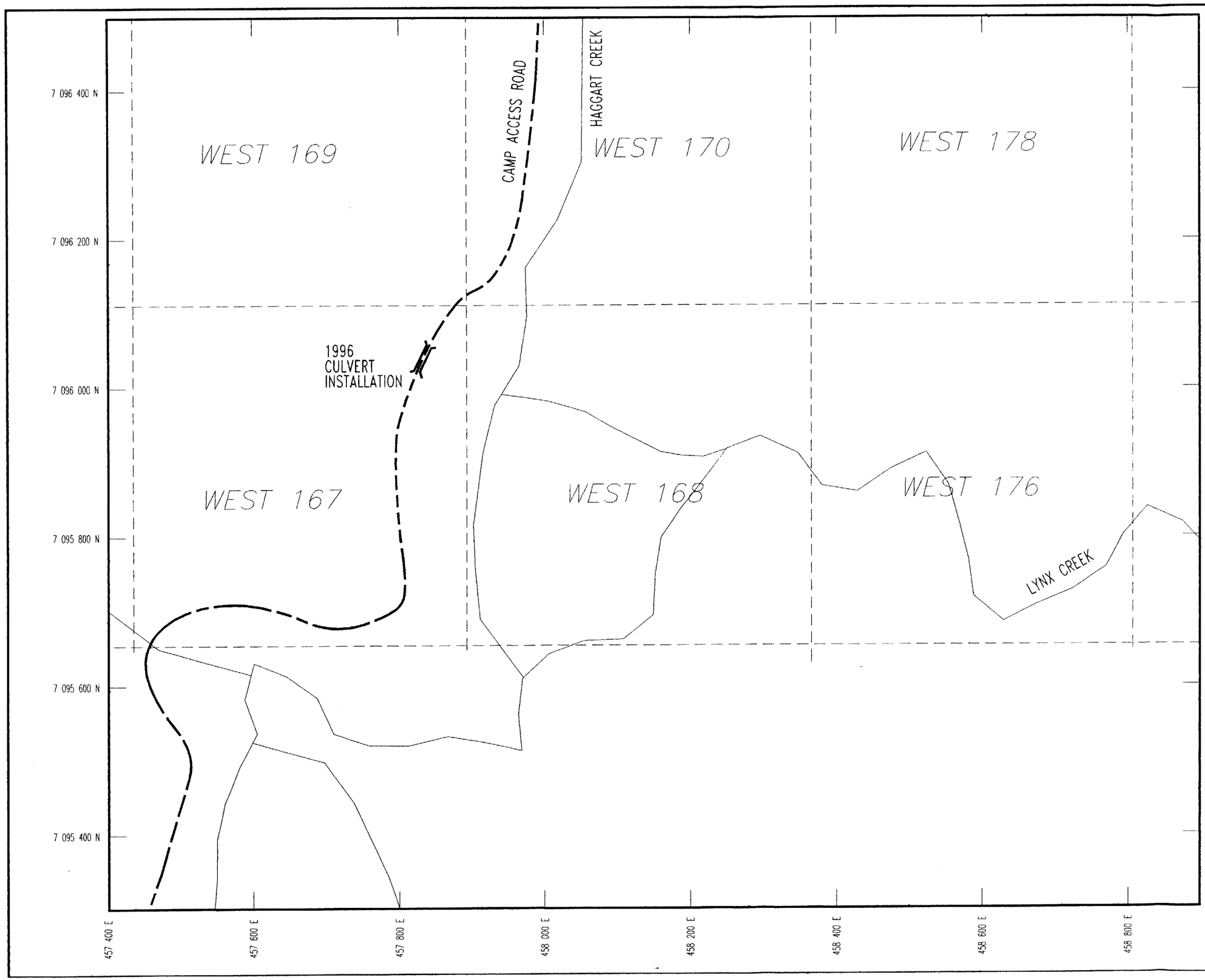
DUBLIN GULCH PROJECT

CLAIM ASSESSMENT
CLAY AUGER DRILLING
HOLE LOCATIONS
GILL GULCH

Figure 3.5

SCALE:	1 : 5,000
DRAWN BY:	DWF
DATE:	FEBRUARY 12, 1997

DG_PLAN



LEGEND:

95-232A	AUGER DRILL HOLE NUMBER
95-135R	RC DRILL HOLE NUMBER
95-137C	DIAMOND DRILL HOLE NUMBER

SYMBOLS

- 1995 (AND PRIOR) DRILL HOLE LOCATION
- 1996 DRILL HOLE LOCATION
- TEST PIT LOCATION
- GEOLOGICAL CONTACT
- TRENCH

GEOLOGY

GRD	GRANODIORITE
META	META SEDIMENTS
SER	SERICITE ALTERATION
FeOx	WEATHERED ROCK
UNALTERED	UNALTERED / UNWEATHERED ROCK

NEW MILLENNIUM MINING LTD.

DUBLIN GULCH PROJECT

CLAIM ASSESSMENT ACCESS ROAD UPGRADE CULVERT INSTALLATION

Figure 3.6

SCALE:	1 : 5,000
DRAWN BY:	DWF
DATE:	FEBRUARY 12, 1997

1996 ASSESSMENT REPORT

APPENDIX I

CLAIM LIST
+
ASSESSMENT COSTS

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

1996 CLAIM ASSESSMENT
COST OF DRILLING

DRILLED HOLE #	SECTION or REFERENCE	CLAIM	DATE Started	DATE Ended	# Days Drilling	Drilled Depth (ft)	Time Drill Cost[1]	Footage Drill Cost[2]	Total Cost
EAGLE ZONE EXPLORATION RC DRILLING									
207R	59825	SMOKY 52	17/06/96	18/06/96	2	432	$ 520	$ 8,764.80	**$ 9,284.80**
MWRSA GEOTECHNICAL DIAMOND DRILLING									
241C	GT96-12	D.G. 52	14/08/96	15/08/96	2	114		$ 3,025.56	**$ 3,025.56**
242C	GT96-13	D.G. 52	15/08/96	15/08/96	1	119		$ 3,158.26	**$ 3,158.26**
243C	GT96-11	D.G. 46	16/08/96	16/08/96	1	184		$ 4,883.36	**$ 4,883.36**
HLPA MONITORING WELL RC DRILLING									
244R	MW96-01	MAR 5	30/07/96	30/07/96	1	165	$ 4,895	$ 782.50	**$ 5,677.50**

DRILLED HOLE #	SECTION or REFERENCE	CLAIM	DATE Started	DATE Ended	# Hours Drilling	Drilled Depth (ft)	Time Drill Cost[3]	Footage Drill Cost[4]	Total Cost
GILL GULCH CLAY-DEPOSIT AUGER DRILLING									
TH96-01	458,110	SMOKY 7	30/06/96	30/06/96	5	45	$ 700	$ 135	$ 835
TH96-02	458,083	SMOKY 7	30/06/96	30/06/96	3	25	$ 420	$ 75	$ 495
TH96-03	458,099	SMOKY 7	30/06/96	30/06/96	2	30	$ 280	$ 90	$ 370
TH96-04	458,139	SMOKY 7	01/07/96	01/07/96	3	25	$ 420	$ 75	$ 495
TH96-05	458,070	SMOKY 7	01/07/96	01/07/96	4	40	$ 560	$ 120	$ 680
GT96-41	457,990	SMOKY 7	10/08/96	10/08/96	2	15	$ 280	$ 45	$ 325
GT96-42	458,020	SMOKY 7	10/08/96	10/08/96	2	15	$ 280	$ 45	$ 325
GT96-44	458,073	SMOKY 7	12/08/96	12/08/96	2	20	$ 280	$ 60	$ 340
GT96-46	458,097	SMOKY 7	11/08/96	11/08/96	5	40	$ 700	$ 120	$ 820
									$ 4,685
GT96-38	458,059	SMOKY 99F	09/08/96	09/08/96	6	50	$ 840	$ 150	$ 990
GT96-39	457,928	SMOKY 99F	09/08/96	09/08/96	3	30	$ 420	$ 90	$ 510
GT96-40	457,914	SMOKY 99F	10/08/96	10/08/96	2	30	$ 280	$ 90	$ 370
GT96-43	458,003	SMOKY 99F	10/08/96	10/08/96	2	25	$ 280	$ 75	$ 355
GT96-45	458,054	SMOKY 99F	11/08/96	11/08/96	2	30	$ 280	$ 90	$ 370
GT96-47	458,032	SMOKY 99F	12/08/96	12/08/96	3	30	$ 420	$ 90	$ 510
GT96-48	458,042	SMOKY 99F	15/08/96	15/08/96	6	40	$ 840	$ 120	$ 960
GT96-49	458,081	SMOKY 99F	15/08/96	15/08/96	4	35	$ 560	$ 105	$ 665
GT96-50	458,118	SMOKY 99F	17/08/96	17/08/96	6	50	$ 840	$ 150	$ 990
GT96-51	458,144	SMOKY 99F	17/08/96	17/08/96	4	25	$ 560	$ 75	$ 635
									$ 6,355

[1] Exploration drilling Rig time at $260 per hour
Monitoring drilling for rig ($260/hr), crew ($85/hr), service truck ($125/day), third man ($45/hr), air compressor ($100/day), and water truck ($250/day)

[2] a) Exploration RC drilling costs per foot

Odex	$ 39.35
(0-250ft)	$ 17.50
(250-500ft)	$ 21.60
(500-750ft)	$ 25.45
(750-1000ft)	$ 31.00

b) Monitoring Well RC costs per foot

Odex	$ 7.00
(0-250ft)	$ 4.50

c) Geotechnical drilling cost per foot
$ 26.54

[3] Auger drilling at $140 per hour

[4] Auger drilling at $3 per foot

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

1996 CLAIM ASSESSMENT
COST OF CULVERT INSTALLLATION

DUBLIN GULCH MINING LTD.
BOX 4372
WHITEHORSE, YT
Y1A 5C1

INVOICE: DGML96-08 & 09*

DUBLIN GULCH CAMP MAIN ACCESS ROAD WORK
Culvert Installation

Date	D10 Cat	D9 Cat	988 Loader
September. 11	8		3
September. 16			3
September. 17		2	2
TOTAL:	**8**	**2**	**8**

	$/Hr	Hrs	Total Cost
D10 Cat	240	8.0	1,920.00
D9 Cat	165	2.0	330.00
988 Loader	165	8.0	1,320.00

SUBTOTAL: $ 3,570.00

GST @ 7% $ 249.90

TOTAL: $ 3,819.90

*compilation of two Dublin Gulch Mining Ltd. invoices DGML96-08 and DGML96-09 submitted to New Millennium Mining Ltd. strictly pertaining to camp main access road culvert installation

DUBLIN GULCH PROJECT
1996 CLAIMS FILING RECORD

1. Claims due to expire 1996/10/01 as reflected in the Mining Recorders records but are shown to no longer exist after 1995 property survey: Bob 83 & 84, Jeff 116F, Smoky 55, 57, 79, 81-82, 103-104, 113-114

   These claims will be allowed to lapse this year at which time they will be taken off record.

2. Payment of cash in lieu of work ($105/claim) was intended to be paid for the West 360 claim, but payment did not reach the Mining Recorders office on October 1 so the claim was forfeited. The claim should be relocated / restaked during the 1997 field season.

3. Claim Worked: West 167
   Work Description: Site access road upgrading (culvert installation)
   Work $ Value: $3570.00
   Claims Renewed:
   West 29, 28, 2, 1, 3, 31, 30, 4, 5, 7, 33, 32, 6, 8, 9, 35, 34, 10, 11, 37, 36, 12
   W1F, 2F

   TOTAL: 11 claims renewed for 2 years = 11claims * $100/claim/yr * 2yr = $2200.00
   13 claims renewed for 1 year = 13 claims * $100/claim/yr * 1yr = $1300.00

4. Claim Worked: Mar 5
   Work Description: Geotech monitoring well MW96-001
   Work $ Value: $5677.50 (MSD July 30 invoce no. 002621)
   Claims Renewed:
   West 332 and West 331 & 343 (due to expire in 1997)

   TOTAL: 2 claims renewed for 4 years = 2 claims * $100/claim/yr * 4yrs = $800.00
   1 claim renewed for 5 years = 1claim * $100/claim/yr * 5yrs = $500.00

5. Claim Worked: Smoky 52
   Work Description: RC drilling 96-207R
   Work $ Value: $9284.80 (drill costs only)
   Claims Renewed:
   West 60, 58, 56, 54, 52, 53, 77 and 220

   TOTAL: 8 claims renewed for 5 years = 8 claims * $100/claim/yr * 5yrs = $4000.00

6. Claim Worked: Smoky 7
   Work Description: Auger drilling
   Work $ Value: $4685.00
   Claims Renewed:
   West 44, 21, 42, 19, 40, 17
   W 5F, 4F, 3F

   TOTAL: 9 claims for 5 years = 9 claims * $100/claim/yr * 5yrs = $4,500.00

7. Claim Worked: Smoky 99F
   Work Description: Auger drilling
   Work $ Value: $6355.00
   Claims Renewed:
   Sec 21, 23, 19, 22, 24, 45, 44, 18, 20
   West 16, 18, 20 48, 25, 24, 46, 23, 22, 50, 27, 26
   W 5F, 4F, 3F

   TOTAL: 21 claims renewed for 3 years = 21claims * $100/claim/yr * 3yrs = $6300.00

8. Claim Worked: DG 46
   Work Description: Geotechnical drilling GT96-011 (96-243)
   Work $ Value: GT96-011 (96-243C) = $4883.36 (footage costs only)
   Claims Renewed:
   Sec 80, 82, 84, 85, 83, 81, 95, 121, 122

   TOTAL: 9 claims renewed for 5 years = 9 claims * $100/claim/yr * 5yrs = $4500.00

9. Claim Worked: DG 52
   Work Description: Geotechnical drilling GT96-012 and 013 (96-242C & 241C)
   Work $ Value: GT96-012 (96-242C) = $3158.26
   GT96-013 (96-241C) = $3025.56
   Total: $6,183.82 (Note: these costs are footage only)
   Claims Renewed:
   Sec 89, 88, 87, 91, 92, 90, 93, 94, 96

   TOTAL: 9 claims renewed for 5 years = 9 claims * $100/claim/yr * 5yrs = $4500.00

This document prepared October 3 & 9, 1996 by Leilah Tate.

DUBLIN GULCH PROPERTY - QUARTZ CLAIMS

Claim Summary:	
988	Quartz claims
10	Leases (expire Jan. 31, 2011)
1	Crown Grant (expire Jan.1, 2000)
999	**Total number of claims**

Claims, leases and grants - ordered by expiry date:

Record	#	Claim Name	Expiry Date	Comments
YA	42988	ALEC 62F	October 1, 1995	fraction not located on claim map; allowed to lapse in 1995
YA	42982	JEFF 119F	October 1, 1995	surveyed - no longer exists; allowed to lapse in 1995
YA	43012	BOB 83F	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	43013	BOB 84F	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	42979	JEFF 116F	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	17976	SMOKY 55	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	17978	SMOKY 57	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	17992	SMOKY 79	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	17994	SMOKY 81	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	17995	SMOKY 82	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	43140	SMOKY 103F	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	43141	SMOKY 104F	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	43150	SMOKY 113F	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YA	43151	SMOKY 114F	October 1, 1996	surveyed - no longer exists; allowed to lapsein 1996
YB	42202	W 1F	October 1, 1997	
YB	18771	WEST 4	October 1, 1997	
YB	18772	WEST 5	October 1, 1997	
YB	18773	WEST 6	October 1, 1997	
YB	18774	WEST 7	October 1, 1997	
YB	18775	WEST 8	October 1, 1997	
YB	18776	WEST 9	October 1, 1997	
YB	18777	WEST 10	October 1, 1997	
YB	18778	WEST 11	October 1, 1997	
YB	18779	WEST 12	October 1, 1997	
YB	18963	WEST 196	October 1, 1997	surveyed - no longer exists; allow to lapse in 1997
YB	18964	WEST 197	October 1, 1997	surveyed - no longer exists; allow to lapse in 1997
YB	18976	WEST 209	October 1, 1997	surveyed - no longer exists; allow to lapse in 1997
YB	19038	WEST 271	October 1, 1997	staked over by Alec 9-12; allow to lapse in 1997
YB	19790	WEST 333	October 1, 1997	
YB	19791	WEST 334	October 1, 1997	
YB	19801	WEST 344	October 1, 1997	
YB	19802	WEST 345	October 1, 1997	
YB	19803	WEST 346	October 1, 1997	
YB	19816	WEST 359	October 1, 1997	
YB	19817	WEST 360	October 1, 1997	claim was forfeited - relocate during 1997 field program
YB	19818	WEST 361	October 1, 1997	
YB	19819	WEST 362	October 1, 1997	
YB	19826	WEST 369	October 1, 1997	
YB	19827	WEST 370	October 1, 1997	
YB	42203	W 2F	October 1, 1998	
YB	18768	WEST 1	October 1, 1998	
YB	18769	WEST 2	October 1, 1998	

Record	#	Claim Name	Expiry Date	Comments
YB	18770	WEST 3	October 1, 1998	
YB	18795	WEST 28	October 1, 1998	
YB	18796	WEST 29	October 1, 1998	
YB	18797	WEST 30	October 1, 1998	
YB	18798	WEST 31	October 1, 1998	
YB	18799	WEST 32	October 1, 1998	
YB	18800	WEST 33	October 1, 1998	
YB	18801	WEST 34	October 1, 1998	
YB	18802	WEST 35	October 1, 1998	
YB	18803	WEST 36	October 1, 1998	
YB	18804	WEST 37	October 1, 1998	
YB	29894	SEC 18	October 1, 1999	
YB	29895	SEC 19	October 1, 1999	
YB	29896	SEC 20	October 1, 1999	
YB	29897	SEC 21	October 1, 1999	
YB	29898	SEC 22	October 1, 1999	
YB	29899	SEC 23	October 1, 1999	
YB	29900	SEC 24	October 1, 1999	
YB	29920	SEC 44	October 1, 1999	
YB	29921	SEC 45	October 1, 1999	
YB	18783	WEST 16	October 1, 1999	
YB	18785	WEST 18	October 1, 1999	
YB	18787	WEST 20	October 1, 1999	
YB	18789	WEST 22	October 1, 1999	
YB	18790	WEST 23	October 1, 1999	
YB	18791	WEST 24	October 1, 1999	
YB	18792	WEST 25	October 1, 1999	
YB	18793	WEST 26	October 1, 1999	
YB	18794	WEST 27	October 1, 1999	
YB	18813	WEST 46	October 1, 1999	
YB	18815	WEST 48	October 1, 1999	
YB	18817	WEST 50	October 1, 1999	
GR	P1054	OLIVE CROWN GRANT	January 1, 2000	
YA	30048	ALEC 1	October 1, 2000	
YA	30049	ALEC 2	October 1, 2000	
YA	30050	ALEC 3	October 1, 2000	
YA	30051	ALEC 4	October 1, 2000	
YA	30052	ALEC 5	October 1, 2000	
YA	30053	ALEC 6	October 1, 2000	
YA	30054	ALEC 7	October 1, 2000	
YA	30055	ALEC 8	October 1, 2000	
YA	30088	ALEC 9	October 1, 2000	
YA	30089	ALEC 10	October 1, 2000	
YA	30090	ALEC 11	October 1, 2000	
YA	30091	ALEC 12	October 1, 2000	
YA	30092	ALEC 13	October 1, 2000	
YA	30093	ALEC 14	October 1, 2000	
YA	30094	ALEC 15	October 1, 2000	
YA	30095	ALEC 16	October 1, 2000	
YA	30096	ALEC 17	October 1, 2000	
YA	30097	ALEC 18	October 1, 2000	
YA	30098	ALEC 19	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	30099	ALEC 20	October 1, 2000	
YA	30100	ALEC 21	October 1, 2000	
YA	30101	ALEC 22	October 1, 2000	
YA	30102	ALEC 23	October 1, 2000	
YA	30103	ALEC 24	October 1, 2000	
YA	30104	ALEC 25	October 1, 2000	
YA	30105	ALEC 26	October 1, 2000	
YA	30106	ALEC 27	October 1, 2000	
YA	30107	ALEC 28	October 1, 2000	
YA	30108	ALEC 29	October 1, 2000	
YA	30109	ALEC 30	October 1, 2000	
YA	30110	ALEC 31	October 1, 2000	
YA	30111	ALEC 32	October 1, 2000	
YA	30112	ALEC 33	October 1, 2000	
YA	30113	ALEC 34	October 1, 2000	
YA	30114	ALEC 35	October 1, 2000	
YA	30115	ALEC 36	October 1, 2000	
YA	30116	ALEC 37	October 1, 2000	
YA	30117	ALEC 38	October 1, 2000	
YA	30118	ALEC 39	October 1, 2000	
YA	30119	ALEC 40	October 1, 2000	
YA	17996	ALEC 41	October 1, 2000	
YA	17997	ALEC 42	October 1, 2000	
YA	17998	ALEC 43	October 1, 2000	
YA	17999	ALEC 44	October 1, 2000	
YA	18000	ALEC 45	October 1, 2000	
YA	30001	ALEC 46	October 1, 2000	
YA	30002	ALEC 47	October 1, 2000	
YA	30003	ALEC 48	October 1, 2000	
YA	30004	ALEC 49	October 1, 2000	
YA	30005	ALEC 50	October 1, 2000	
YA	30006	ALEC 51	October 1, 2000	
YA	30007	ALEC 52	October 1, 2000	
YA	30008	ALEC 53	October 1, 2000	
YA	30009	ALEC 54	October 1, 2000	
YA	30010	ALEC 55	October 1, 2000	
YA	30011	ALEC 56	October 1, 2000	
YA	30012	ALEC 57	October 1, 2000	
YA	30013	ALEC 58	October 1, 2000	
YA	30014	ALEC 59	October 1, 2000	
YA	30015	ALEC 60	October 1, 2000	
YA	42989	ALEC 63F	October 1, 2000	
YA	42990	ALEC 64F	October 1, 2000	
YA	42991	ALEC 65F	October 1, 2000	
YA	42992	ALEC 66F	October 1, 2000	
YA	42993	ALEC 67F	October 1, 2000	
YA	43002	ALEC 76F	October 1, 2000	
YA	17729	BOB 1	October 1, 2000	
YA	17730	BOB 2	October 1, 2000	
YA	17731	BOB 3	October 1, 2000	
YA	17732	BOB 4	October 1, 2000	
YA	17733	BOB 5	October 1, 2000	
YA	17734	BOB 6	October 1, 2000	
YA	17735	BOB 7	October 1, 2000	
YA	17736	BOB 8	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	17737	BOB 9	October 1, 2000	
YA	17738	BOB 10	October 1, 2000	
YA	17739	BOB 11	October 1, 2000	
YA	17740	BOB 12	October 1, 2000	
YA	17741	BOB 13	October 1, 2000	
YA	17742	BOB 14	October 1, 2000	
YA	17743	BOB 15	October 1, 2000	
YA	17744	BOB 16	October 1, 2000	
YA	17745	BOB 17	October 1, 2000	
YA	17770	BOB 42	October 1, 2000	
YA	17771	BOB 43	October 1, 2000	
YA	17772	BOB 44	October 1, 2000	
YA	17773	BOB 45	October 1, 2000	
YA	17774	BOB 46	October 1, 2000	
YA	17775	BOB 47	October 1, 2000	
YA	17776	BOB 48	October 1, 2000	
YA	17777	BOB 49	October 1, 2000	
YA	17778	BOB 50	October 1, 2000	
YA	17779	BOB 51	October 1, 2000	
YA	17780	BOB 52	October 1, 2000	
YA	17781	BOB 53	October 1, 2000	
YA	17782	BOB 54	October 1, 2000	
YA	17783	BOB 55	October 1, 2000	
YA	17784	BOB 56	October 1, 2000	
YA	17785	BOB 57	October 1, 2000	
YA	17786	BOB 58	October 1, 2000	
YA	17787	BOB 59	October 1, 2000	
YA	17788	BOB 60	October 1, 2000	
YA	17789	BOB 61	October 1, 2000	
YA	17790	BOB 62	October 1, 2000	
YA	17791	BOB 63	October 1, 2000	
YA	17792	BOB 64	October 1, 2000	
YA	17793	BOB 65	October 1, 2000	
YA	17796	BOB 68	October 1, 2000	
YA	17797	BOB 69	October 1, 2000	
YA	17798	BOB 70	October 1, 2000	
YA	17799	BOB 71	October 1, 2000	
YA	17800	BOB 72	October 1, 2000	
YA	17801	BOB 73	October 1, 2000	
YA	43011	BOB 82F	October 1, 2000	
YA	43014	BOB 86F	October 1, 2000	
YA	17802	DAVE 1	October 1, 2000	
YA	17803	DAVE 2	October 1, 2000	
YA	17804	DAVE 3	October 1, 2000	
YA	17805	DAVE 4	October 1, 2000	
YA	17806	DAVE 5	October 1, 2000	
YA	17807	DAVE 6	October 1, 2000	
YA	17808	DAVE 7	October 1, 2000	
YA	17809	DAVE 8	October 1, 2000	
YA	17810	DAVE 9	October 1, 2000	
YA	17811	DAVE 10	October 1, 2000	
YA	17812	DAVE 11	October 1, 2000	
YA	17813	DAVE 12	October 1, 2000	
YA	17818	DAVE 17	October 1, 2000	
YA	17819	DAVE 18	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	17820	DAVE 19	October 1, 2000	
YA	17821	DAVE 20	October 1, 2000	
YA	17822	DAVE 21	October 1, 2000	
YA	17823	DAVE 22	October 1, 2000	
YA	17824	DAVE 23	October 1, 2000	
YA	17825	DAVE 24	October 1, 2000	
YA	42971	DAVE 26F	October 1, 2000	
YA	42974	DAVE 29F	October 1, 2000	
YA	42975	DAVE 30F	October 1, 2000	
YA	43015	DAVE 31F	October 1, 2000	
YA	43016	DAVE 32F	October 1, 2000	
YA	14944	DG 1	October 1, 2000	
YA	14945	DG 2	October 1, 2000	
YA	14946	DG 3	October 1, 2000	
YA	14947	DG 4	October 1, 2000	
YA	14948	DG 5	October 1, 2000	
YA	14949	DG 6	October 1, 2000	
YA	14978	DG 35	October 1, 2000	
YA	14979	DG 36	October 1, 2000	
YA	14980	DG 37	October 1, 2000	
YA	14981	DG 38	October 1, 2000	
YA	14982	DG 39	October 1, 2000	
YA	14983	DG 40	October 1, 2000	
YA	14984	DG 41	October 1, 2000	
YA	14985	DG 42	October 1, 2000	
YA	14986	DG 43	October 1, 2000	
YA	14987	DG 44	October 1, 2000	
YA	14988	DG 45	October 1, 2000	
YA	14989	DG 46	October 1, 2000	
YA	14990	DG 47	October 1, 2000	
YA	14991	DG 48	October 1, 2000	
YA	14992	DG 49	October 1, 2000	
YA	14993	DG 50	October 1, 2000	
YA	14994	DG 51	October 1, 2000	
YA	14995	DG 52	October 1, 2000	
YA	14996	DG 53	October 1, 2000	
YA	14997	DG 54	October 1, 2000	
YA	14998	DG 55	October 1, 2000	
YA	14999	DG 56	October 1, 2000	
YA	43036	DG 74F	October 1, 2000	
YA	43037	DG 75F	October 1, 2000	
YA	43038	DG 76F	October 1, 2000	
YA	43039	DG 77F	October 1, 2000	
YA	43040	DG 78F	October 1, 2000	
YA	43041	DG 79F	October 1, 2000	
YA	43042	DG 80F	October 1, 2000	
YA	43043	DG 81F	October 1, 2000	
YA	43044	DG 82F	October 1, 2000	
YA	43045	DG 83F	October 1, 2000	
YA	43046	DG 85F	October 1, 2000	
YA	43054	DG 93F	October 1, 2000	
YA	43055	DG 94F	October 1, 2000	
YA	43056	DG 95F	October 1, 2000	
YA	43057	DG 96F	October 1, 2000	
YA	43058	DG 97F	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	43059	DG 98F	October 1, 2000	
YA	43060	DG 99F	October 1, 2000	
YA	43061	DG 100F	October 1, 2000	
YA	43062	DG 101F	October 1, 2000	
YA	43063	DG 102F	October 1, 2000	
YA	43064	DG 103F	October 1, 2000	
YA	43065	DG 104F	October 1, 2000	
YA	43066	DG 105F	October 1, 2000	
YA	63884	FIJI 1F	October 1, 2000	
YA	3409	FIJI 2F	October 1, 2000	
YA	63886	FIJI 3F	October 1, 2000	
YA	63887	FIJI 4F	October 1, 2000	not on government printout dated 1996/08/05
YA	63888	FIJI 5F	October 1, 2000	
YA	63889	FIJI 6F	October 1, 2000	
YA	17826	JEFF 1	October 1, 2000	
YA	17827	JEFF 2	October 1, 2000	
YA	17828	JEFF 3	October 1, 2000	
YA	17829	JEFF 4	October 1, 2000	
YA	17830	JEFF 5	October 1, 2000	
YA	17831	JEFF 6	October 1, 2000	
YA	17832	JEFF 7	October 1, 2000	
YA	17833	JEFF 8	October 1, 2000	
YA	17834	JEFF 9	October 1, 2000	
YA	17835	JEFF 10	October 1, 2000	
YA	17836	JEFF 11	October 1, 2000	
YA	17837	JEFF 12	October 1, 2000	
YA	17838	JEFF 13	October 1, 2000	
YA	17839	JEFF 14	October 1, 2000	
YA	17840	JEFF 15	October 1, 2000	
YA	17841	JEFF 16	October 1, 2000	
YA	17842	JEFF 17	October 1, 2000	
YA	17843	JEFF 18	October 1, 2000	
YA	17844	JEFF 19	October 1, 2000	
YA	17845	JEFF 20	October 1, 2000	
YA	17846	JEFF 21	October 1, 2000	
YA	17847	JEFF 22	October 1, 2000	
YA	17848	JEFF 23	October 1, 2000	
YA	17849	JEFF 24	October 1, 2000	
YA	17850	JEFF 25	October 1, 2000	
YA	17851	JEFF 26	October 1, 2000	
YA	17852	JEFF 27	October 1, 2000	
YA	17853	JEFF 28	October 1, 2000	
YA	17854	JEFF 29	October 1, 2000	
YA	17855	JEFF 30	October 1, 2000	
YA	17856	JEFF 31	October 1, 2000	
YA	17857	JEFF 32	October 1, 2000	
YA	17858	JEFF 33	October 1, 2000	
YA	17859	JEFF 34	October 1, 2000	
YA	17860	JEFF 35	October 1, 2000	
YA	17861	JEFF 36	October 1, 2000	
YA	17862	JEFF 37	October 1, 2000	
YA	17863	JEFF 38	October 1, 2000	
YB	17864	JEFF 39	October 1, 2000	
YA	17865	JEFF 40	October 1, 2000	
YA	17866	JEFF 41	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	17867	JEFF 42	October 1, 2000	
YA	17868	JEFF 43	October 1, 2000	
YA	17869	JEFF 44	October 1, 2000	
YA	17870	JEFF 45	October 1, 2000	
YA	17871	JEFF 46	October 1, 2000	
YA	17872	JEFF 47	October 1, 2000	
YA	17873	JEFF 48	October 1, 2000	
YA	17874	JEFF 49	October 1, 2000	
YA	17875	JEFF 50	October 1, 2000	
YA	17876	JEFF 51	October 1, 2000	
YA	17877	JEFF 52	October 1, 2000	
YA	17878	JEFF 53	October 1, 2000	
YA	17879	JEFF 54	October 1, 2000	
YA	17880	JEFF 55	October 1, 2000	
YA	17881	JEFF 56	October 1, 2000	
YA	30120	JEFF 57	October 1, 2000	
YA	30121	JEFF 58	October 1, 2000	
YA	30122	JEFF 59	October 1, 2000	
YA	30123	JEFF 60	October 1, 2000	
YA	30124	JEFF 61	October 1, 2000	
YA	30125	JEFF 62	October 1, 2000	
YA	30126	JEFF 63	October 1, 2000	
YA	30127	JEFF 64	October 1, 2000	
YA	17882	JEFF 65	October 1, 2000	
YA	17883	JEFF 66	October 1, 2000	
YA	17884	JEFF 67	October 1, 2000	
YA	17885	JEFF 68	October 1, 2000	
YA	17886	JEFF 69	October 1, 2000	
YA	17887	JEFF 70	October 1, 2000	
YA	17888	JEFF 71	October 1, 2000	
YA	17889	JEFF 72	October 1, 2000	
YA	17890	JEFF 73	October 1, 2000	
YA	17891	JEFF 74	October 1, 2000	
YA	17892	JEFF 75	October 1, 2000	
YA	17893	JEFF 76	October 1, 2000	
YA	17894	JEFF 77	October 1, 2000	
YA	17895	JEFF 78	October 1, 2000	
YA	17896	JEFF 79	October 1, 2000	
YA	17897	JEFF 80	October 1, 2000	
YA	17898	JEFF 81	October 1, 2000	
YA	17899	JEFF 82	October 1, 2000	
YA	17900	JEFF 83	October 1, 2000	
YA	17901	JEFF 84	October 1, 2000	
YA	17902	JEFF 85	October 1, 2000	
YA	17903	JEFF 86	October 1, 2000	
YA	17904	JEFF 87	October 1, 2000	
YA	17905	JEFF 88	October 1, 2000	
YA	17906	JEFF 89	October 1, 2000	
YA	17907	JEFF 90	October 1, 2000	
YA	17908	JEFF 91	October 1, 2000	
YA	17909	JEFF 92	October 1, 2000	
YA	17910	JEFF 93	October 1, 2000	
YA	17914	JEFF 97	October 1, 2000	
YA	17915	JEFF 98	October 1, 2000	
YA	17916	JEFF 99	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	17917	JEFF 100	October 1, 2000	
YA	17918	JEFF 101	October 1, 2000	
YA	17919	JEFF 102	October 1, 2000	
YA	17920	JEFF 103	October 1, 2000	
YA	17921	JEFF 104	October 1, 2000	
YA	17922	JEFF 105	October 1, 2000	
YA	17923	JEFF 106	October 1, 2000	
YA	17924	JEFF 107	October 1, 2000	
YA	17925	JEFF 108	October 1, 2000	
YA	42976	JEFF 113F	October 1, 2000	
YA	42977	JEFF 114F	October 1, 2000	
YA	42978	JEFF 115F	October 1, 2000	
YA	3408	JEFF 117F	October 1, 2000	
YA	42981	JEFF 118F	October 1, 2000	
YA	42983	JEFF 120F	October 1, 2000	
YA	43069	JEFF 123F	October 1, 2000	
YA	43070	JEFF 124F	October 1, 2000	
YA	43071	JEFF 125F	October 1, 2000	
YA	43072	JEFF 126F	October 1, 2000	
YA	43073	JEFF 127F	October 1, 2000	
YA	43078	JEFF 132F	October 1, 2000	
YA	43079	JEFF 133F	October 1, 2000	
YA	43080	JEFF 134F	October 1, 2000	
YA	43081	JEFF 135F	October 1, 2000	
YA	43082	JEFF 137F	October 1, 2000	
YA	43083	JEFF 138F	October 1, 2000	
YA	43084	JEFF 139F	October 1, 2000	
YA	43085	JEFF 140F	October 1, 2000	
YA	43086	JEFF 141F	October 1, 2000	
YA	43087	JEFF 142F	October 1, 2000	
YA	43088	JEFF 143F	October 1, 2000	
YA	43096	JEFF 151F	October 1, 2000	
YA	43097	JEFF 152F	October 1, 2000	
YA	14896	MAR 1	October 1, 2000	
YA	14897	MAR 2	October 1, 2000	
YA	14898	MAR 3	October 1, 2000	
YA	14899	MAR 4	October 1, 2000	
YA	14900	MAR 5	October 1, 2000	
YA	14901	MAR 6	October 1, 2000	
YA	14902	MAR 7	October 1, 2000	
YA	14903	MAR 8	October 1, 2000	
YA	14904	MAR 9	October 1, 2000	
YA	14905	MAR 10	October 1, 2000	
YA	14906	MAR 11	October 1, 2000	
YA	14907	MAR 12	October 1, 2000	
YA	14908	MAR 13	October 1, 2000	
YA	14909	MAR 14	October 1, 2000	
YA	14910	MAR 15	October 1, 2000	
YA	14911	MAR 16	October 1, 2000	
YA	14912	MAR 17	October 1, 2000	
YA	14913	MAR 18	October 1, 2000	
YA	14914	MAR 19	October 1, 2000	
YB	14915	MAR 20	October 1, 2000	
YA	14916	MAR 21	October 1, 2000	
YA	14917	MAR 22	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	14918	MAR 23	October 1, 2000	
YA	14919	MAR 24	October 1, 2000	
YA	17104	MAR 25	October 1, 2000	not on government printout dated 1996/08/05
YA	17105	MAR 26	October 1, 2000	not on government printout dated 1996/08/05
YA	17106	MAR 27	October 1, 2000	
YA	17107	MAR 28	October 1, 2000	
YA	17108	MAR 29	October 1, 2000	
YA	17109	MAR 30	October 1, 2000	
YA	42984	MAR 31F	October 1, 2000	
YA	43100	MAR 32F	October 1, 2000	
YA	43101	MAR 33F	October 1, 2000	
YA	43102	MAR 34F	October 1, 2000	
YA	43103	MAR 35F	October 1, 2000	
YA	43104	MAR 36F	October 1, 2000	
YA	43105	MAR 37F	October 1, 2000	
YA	43106	MAR 38F	October 1, 2000	
YA	43107	MAR 39F	October 1, 2000	
YA	43108	MAR 40F	October 1, 2000	
YA	43109	MAR 41F	October 1, 2000	
YA	43110	MAR 42F	October 1, 2000	
YA	43111	MAR 43F	October 1, 2000	
YA	63876	MARY 1F	October 1, 2000	
YA	63877	MARY 2F	October 1, 2000	
YA	63878	MARY 3F	October 1, 2000	
YA	63879	MARY 4F	October 1, 2000	
YA	63880	MARY 5F	October 1, 2000	
YA	63881	MARY 6F	October 1, 2000	
YA	63882	MARY 7F	October 1, 2000	
YA	63883	MARY 8F	October 1, 2000	
YA	41649	MOLE 7	October 1, 2000	
YA	41650	MOLE 8	October 1, 2000	
YA	14651	MOLE 9	October 1, 2000	
YA	41652	MOLE 10	October 1, 2000	
YA	41653	MOLE 11	October 1, 2000	
YA	1393	R&D 1	October 1, 2000	
YA	1394	R&D 2	October 1, 2000	
YA	1395	R&D 3	October 1, 2000	
YA	1396	R&D 4	October 1, 2000	
YA	1397	R&D 5	October 1, 2000	
YA	1398	R&D 6	October 1, 2000	
YA	1399	R&D 7	October 1, 2000	
YA	1400	R&D 8	October 1, 2000	
YA	1402	R&D 10	October 1, 2000	
YA	1404	R&D 12	October 1, 2000	
YA	1406	R&D 14	October 1, 2000	
YA	1407	R&D 15	October 1, 2000	
YA	1408	R&D 16	October 1, 2000	
YB	64630	RONI 1F	October 1, 2000	
YB	64631	RONI 2F	October 1, 2000	
YB	64632	RONI 3F	October 1, 2000	
YB	64633	RONI 4F	October 1, 2000	
YB	64634	RONI 5F	October 1, 2000	
YB	64635	RONI 6F	October 1, 2000	
YB	64636	RONI 7F	October 1, 2000	
YB	64637	RONI 8F	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YB	64638	RONI 9F	October 1, 2000	
YB	64639	RONI 10F	October 1, 2000	
YB	64640	RONI 11F	October 1, 2000	
YB	64641	RONI 12F	October 1, 2000	
YB	64642	RONI 13F	October 1, 2000	
YB	64643	RONI 14F	October 1, 2000	
YB	29877	SEC 1	October 1, 2000	
YB	29878	SEC 2	October 1, 2000	
YB	29879	SEC 3	October 1, 2000	
YB	29880	SEC 4	October 1, 2000	
YB	29881	SEC 5	October 1, 2000	
YB	29882	SEC 6	October 1, 2000	
YB	29883	SEC 7	October 1, 2000	
YB	29884	SEC 8	October 1, 2000	
YB	29885	SEC 9	October 1, 2000	
YB	29886	SEC 10	October 1, 2000	
YB	29888	SEC 12	October 1, 2000	
YB	29889	SEC 13	October 1, 2000	
YB	29890	SEC 14	October 1, 2000	
YB	29891	SEC 15	October 1, 2000	
YB	29892	SEC 16	October 1, 2000	
YB	29893	SEC 17	October 1, 2000	
YB	29901	SEC 25	October 1, 2000	
YB	29902	SEC 26	October 1, 2000	
YB	29903	SEC 27	October 1, 2000	
YB	29904	SEC 28	October 1, 2000	
YB	29905	SEC 29	October 1, 2000	
YB	29906	SEC 30	October 1, 2000	
YB	29907	SEC 31	October 1, 2000	
YB	29908	SEC 32	October 1, 2000	
YB	29909	SEC 33	October 1, 2000	
YB	29910	SEC 34	October 1, 2000	
YB	29911	SEC 35	October 1, 2000	
YB	29912	SEC 36	October 1, 2000	
YB	29913	SEC 37	October 1, 2000	
YB	29914	SEC 38	October 1, 2000	
YB	29915	SEC 39	October 1, 2000	
YB	29916	SEC 40	October 1, 2000	
YB	29917	SEC 41	October 1, 2000	
YB	29918	SEC 42	October 1, 2000	
YB	29919	SEC 43	October 1, 2000	
YB	29922	SEC 46	October 1, 2000	
YB	29923	SEC 47	October 1, 2000	
YB	29924	SEC 48	October 1, 2000	
YB	29925	SEC 49	October 1, 2000	
YB	29926	SEC 50	October 1, 2000	
YB	29927	SEC 51	October 1, 2000	
YB	29928	SEC 52	October 1, 2000	
YB	29929	SEC 53	October 1, 2000	
YB	29930	SEC 54	October 1, 2000	
YB	29931	SEC 55	October 1, 2000	
YB	29932	SEC 56	October 1, 2000	
YB	29933	SEC 57	October 1, 2000	
YB	29934	SEC 58	October 1, 2000	
YB	29935	SEC 59	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YB	29936	SEC 60	October 1, 2000	
YB	29937	SEC 61	October 1, 2000	
YB	29938	SEC 62	October 1, 2000	
YB	29939	SEC 63	October 1, 2000	
YB	29940	SEC 64	October 1, 2000	
YB	29941	SEC 65	October 1, 2000	
YB	29942	SEC 66	October 1, 2000	
YB	29943	SEC 67	October 1, 2000	
YB	29944	SEC 68	October 1, 2000	
YB	29945	SEC 69	October 1, 2000	
YB	29946	SEC 70	October 1, 2000	
YB	29947	SEC 71	October 1, 2000	
YB	29948	SEC 72	October 1, 2000	
YB	29949	SEC 73	October 1, 2000	
YB	29950	SEC 74	October 1, 2000	
YB	29951	SEC 75	October 1, 2000	
YB	29952	SEC 76	October 1, 2000	
YB	29953	SEC 77	October 1, 2000	
YB	29954	SEC 78	October 1, 2000	
YB	29955	SEC 79	October 1, 2000	
YB	29973	SEC 97	October 1, 2000	
YB	29974	SEC 98	October 1, 2000	
YB	29975	SEC 99	October 1, 2000	
YB	29976	SEC 100	October 1, 2000	
YB	29977	SEC 101	October 1, 2000	
YB	29978	SEC 102	October 1, 2000	
YB	29979	SEC 103	October 1, 2000	
YB	29980	SEC 104	October 1, 2000	
YB	29981	SEC 105	October 1, 2000	
YB	29982	SEC 106	October 1, 2000	
YB	29983	SEC 107	October 1, 2000	
YB	29984	SEC 108	October 1, 2000	
YB	29985	SEC 109	October 1, 2000	
YB	29887	SEC 11	October 1, 2000	
YB	29986	SEC 110	October 1, 2000	
YB	29987	SEC 111	October 1, 2000	
YB	29988	SEC 112	October 1, 2000	
YB	29989	SEC 113	October 1, 2000	
YB	29990	SEC 114	October 1, 2000	
YB	29991	SEC 115	October 1, 2000	
YB	29992	SEC 116	October 1, 2000	
YB	29993	SEC 117	October 1, 2000	
YB	29994	SEC 118	October 1, 2000	
YB	29995	SEC 119	October 1, 2000	
YB	29996	SEC 120	October 1, 2000	
YA	17930	SMOKY 1	October 1, 2000	
YA	17931	SMOKY 2	October 1, 2000	
YA	17932	SMOKY 3	October 1, 2000	
YA	17933	SMOKY 4	October 1, 2000	
YA	17934	SMOKY 5	October 1, 2000	
YA	17935	SMOKY 6	October 1, 2000	
YA	17936	SMOKY 7	October 1, 2000	
YA	17937	SMOKY 8	October 1, 2000	
YA	17938	SMOKY 9	October 1, 2000	
YA	17939	SMOKY 10	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	17940	SMOKY 11	October 1, 2000	
YA	17941	SMOKY 12	October 1, 2000	
YA	17942	SMOKY 13	October 1, 2000	
YA	17943	SMOKY 14	October 1, 2000	
YA	17944	SMOKY 15	October 1, 2000	
YA	17945	SMOKY 16	October 1, 2000	
YA	17946	SMOKY 17	October 1, 2000	
YA	17947	SMOKY 18	October 1, 2000	
YA	17948	SMOKY 19	October 1, 2000	
YA	17949	SMOKY 20	October 1, 2000	
YA	17950	SMOKY 21	October 1, 2000	
YA	17951	SMOKY 22	October 1, 2000	
YA	17952	SMOKY 23	October 1, 2000	
YA	17953	SMOKY 24	October 1, 2000	
YA	17954	SMOKY 25	October 1, 2000	
YA	17955	SMOKY 26	October 1, 2000	
YA	17956	SMOKY 27	October 1, 2000	
YA	17957	SMOKY 28	October 1, 2000	
YA	17958	SMOKY 29	October 1, 2000	
YA	17959	SMOKY 30	October 1, 2000	
YA	17960	SMOKY 31	October 1, 2000	
YA	17961	SMOKY 32	October 1, 2000	
YA	17962	SMOKY 33	October 1, 2000	
YA	17963	SMOKY 34	October 1, 2000	
YA	17964	SMOKY 35	October 1, 2000	
YA	17965	SMOKY 36	October 1, 2000	
YA	17966	SMOKY 37	October 1, 2000	
YA	17967	SMOKY 38	October 1, 2000	
YA	17968	SMOKY 39	October 1, 2000	
YA	17969	SMOKY 40	October 1, 2000	
YA	17970	SMOKY 41	October 1, 2000	
YA	17971	SMOKY 42	October 1, 2000	
YA	17972	SMOKY 43	October 1, 2000	
YA	30072	SMOKY 44	October 1, 2000	
YA	30073	SMOKY 45	October 1, 2000	
YA	30074	SMOKY 46	October 1, 2000	
YA	30075	SMOKY 47	October 1, 2000	
YA	17973	SMOKY 48	October 1, 2000	
YA	17974	SMOKY 49	October 1, 2000	
YA	17975	SMOKY 50	October 1, 2000	
YA	30076	SMOKY 51	October 1, 2000	
YA	30077	SMOKY 52	October 1, 2000	
YA	30078	SMOKY 53	October 1, 2000	
YA	30079	SMOKY 54	October 1, 2000	
YA	17977	SMOKY 56	October 1, 2000	
YA	17979	SMOKY 58	October 1, 2000	
YA	17980	SMOKY 59	October 1, 2000	
YA	17981	SMOKY 60	October 1, 2000	
YA	30080	SMOKY 62	October 1, 2000	
YA	30081	SMOKY 63	October 1, 2000	
YA	30082	SMOKY 64	October 1, 2000	
YA	30083	SMOKY 65	October 1, 2000	
YA	17983	SMOKY 66	October 1, 2000	
YA	17984	SMOKY 67	October 1, 2000	
YA	17985	SMOKY 68	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YA	17986	SMOKY 69	October 1, 2000	
YA	17987	SMOKY 70	October 1, 2000	
YA	17988	SMOKY 71	October 1, 2000	
YA	17989	SMOKY 72	October 1, 2000	
YA	30084	SMOKY 74	October 1, 2000	
YA	30085	SMOKY 75	October 1, 2000	
YA	30086	SMOKY 76	October 1, 2000	
YA	30087	SMOKY 77	October 1, 2000	
YA	17991	SMOKY 78	October 1, 2000	
YA	17993	SMOKY 80	October 1, 2000	
YA	43120	SMOKY 83F	October 1, 2000	
YA	43121	SMOKY 84F	October 1, 2000	
YA	43122	SMOKY 85F	October 1, 2000	
YA	43123	SMOKY 86F	October 1, 2000	
YA	43124	SMOKY 87F	October 1, 2000	
YA	43125	SMOKY 88F	October 1, 2000	
YA	43126	SMOKY 89F	October 1, 2000	
YA	43127	SMOKY 90F	October 1, 2000	
YA	43128	SMOKY 91F	October 1, 2000	
YA	43129	SMOKY 92F	October 1, 2000	
YA	43130	SMOKY 93F	October 1, 2000	
YA	43131	SMOKY 94F	October 1, 2000	
YA	43132	SMOKY 95F	October 1, 2000	
YA	43133	SMOKY 96F	October 1, 2000	
YA	43134	SMOKY 97F	October 1, 2000	
YA	43135	SMOKY 98F	October 1, 2000	
YA	43136	SMOKY 99F	October 1, 2000	
YA	43137	SMOKY 100F	October 1, 2000	
YA	43138	SMOKY 101F	October 1, 2000	
YA	43139	SMOKY 102F	October 1, 2000	
YA	43144	SMOKY 107F	October 1, 2000	
YA	43145	SMOKY 108F	October 1, 2000	
YA	43146	SMOKY 109F	October 1, 2000	
YA	43147	SMOKY 110F	October 1, 2000	
YA	43148	SMOKY 111F	October 1, 2000	
YA	43149	SMOKY 112F	October 1, 2000	
YB	42207	W 6F	October 1, 2000	
YB	42208	W 7F	October 1, 2000	
YB	42209	W 8F	October 1, 2000	
YB	42210	W 9F	October 1, 2000	
YB	42211	W 10F	October 1, 2000	
YB	42212	W 11F	October 1, 2000	
YB	42213	W 12F	October 1, 2000	
YB	42214	W 13F	October 1, 2000	
YB	42215	W 14F	October 1, 2000	
YB	42216	W 15F	October 1, 2000	
YB	42217	W 16F	October 1, 2000	
YB	42218	W 18F	October 1, 2000	
YB	42219	W 19F	October 1, 2000	
YB	18808	WEST 41	October 1, 2000	
YB	18810	WEST 43	October 1, 2000	
YB	18812	WEST 45	October 1, 2000	
YB	18814	WEST 47	October 1, 2000	
YB	18816	WEST 49	October 1, 2000	
YB	18818	WEST 51	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YB	18822	WEST 55	October 1, 2000	
YB	18824	WEST 57	October 1, 2000	
YB	18826	WEST 59	October 1, 2000	
YB	18828	WEST 61	October 1, 2000	
YB	18834	WEST 67	October 1, 2000	
YB	18835	WEST 68	October 1, 2000	
YB	18836	WEST 69	October 1, 2000	
YB	18837	WEST 70	October 1, 2000	
YB	18838	WEST 71	October 1, 2000	
YB	18839	WEST 72	October 1, 2000	
YB	18840	WEST 73	October 1, 2000	
YB	18841	WEST 74	October 1, 2000	
YB	18842	WEST 75	October 1, 2000	
YB	18843	WEST 76	October 1, 2000	
YB	18845	WEST 78	October 1, 2000	
YB	18846	WEST 79	October 1, 2000	
YB	18847	WEST 80	October 1, 2000	
YB	18848	WEST 81	October 1, 2000	
YB	18849	WEST 82	October 1, 2000	
YB	18850	WEST 83	October 1, 2000	
YB	18851	WEST 84	October 1, 2000	
YB	18852	WEST 85	October 1, 2000	
YB	18853	WEST 86	October 1, 2000	
YB	18854	WEST 87	October 1, 2000	
YB	18855	WEST 88	October 1, 2000	
YB	18859	WEST 92	October 1, 2000	
YB	18860	WEST 93	October 1, 2000	
YB	18861	WEST 94	October 1, 2000	
YB	18862	WEST 95	October 1, 2000	
YB	18863	WEST 96	October 1, 2000	
YB	18864	WEST 97	October 1, 2000	
YB	18865	WEST 98	October 1, 2000	
YB	18866	WEST 99	October 1, 2000	
YB	18867	WEST 100	October 1, 2000	
YB	18868	WEST 101	October 1, 2000	
YB	18869	WEST 102	October 1, 2000	
YB	18870	WEST 103	October 1, 2000	
YB	18871	WEST 104	October 1, 2000	
YB	18873	WEST 106	October 1, 2000	
YB	18875	WEST 108	October 1, 2000	
YB	18876	WEST 109	October 1, 2000	
YB	18877	WEST 110	October 1, 2000	
YB	18878	WEST 111	October 1, 2000	
YB	18889	WEST 122	October 1, 2000	
YB	18890	WEST 123	October 1, 2000	
YB	18891	WEST 124	October 1, 2000	
YB	18892	WEST 125	October 1, 2000	
YB	18893	WEST 126	October 1, 2000	
YB	18894	WEST 127	October 1, 2000	
YB	18895	WEST 128	October 1, 2000	
YB	18896	WEST 129	October 1, 2000	
YB	18897	WEST 130	October 1, 2000	
YB	18898	WEST 131	October 1, 2000	
YB	18912	WEST 145	October 1, 2000	
YB	18913	WEST 146	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YB	18914	WEST 147	October 1, 2000	
YB	18915	WEST 148	October 1, 2000	
YB	18916	WEST 149	October 1, 2000	
YB	18917	WEST 150	October 1, 2000	
YB	18918	WEST 151	October 1, 2000	
YB	18919	WEST 152	October 1, 2000	
YB	18920	WEST 153	October 1, 2000	
YB	18921	WEST 154	October 1, 2000	
YB	18922	WEST 155	October 1, 2000	
YB	18933	WEST 166	October 1, 2000	
YB	19053	WEST 286	October 1, 2000	
YB	19054	WEST 287	October 1, 2000	
YB	19055	WEST 288	October 1, 2000	
YB	19056	WEST 289	October 1, 2000	
YB	19057	WEST 290	October 1, 2000	
YB	19058	WEST 291	October 1, 2000	
YB	19059	WEST 292	October 1, 2000	
YB	19060	WEST 293	October 1, 2000	
YB	19078	WEST 311	October 1, 2000	
YB	19079	WEST 312	October 1, 2000	
YB	19080	WEST 313	October 1, 2000	
YB	19081	WEST 314	October 1, 2000	
YB	19082	WEST 315	October 1, 2000	
YB	19083	WEST 316	October 1, 2000	
YB	19084	WEST 317	October 1, 2000	
YB	19085	WEST 318	October 1, 2000	
YB	19087	WEST 320	October 1, 2000	
YB	19089	WEST 322	October 1, 2000	
YB	19780	WEST 323	October 1, 2000	
YB	19781	WEST 324	October 1, 2000	
YB	19782	WEST 325	October 1, 2000	
YB	19783	WEST 326	October 1, 2000	
YB	19784	WEST 327	October 1, 2000	
YB	19785	WEST 328	October 1, 2000	
YB	19786	WEST 329	October 1, 2000	
YB	19787	WEST 330	October 1, 2000	
YB	19792	WEST 335	October 1, 2000	
YB	19793	WEST 336	October 1, 2000	
YB	19794	WEST 337	October 1, 2000	
YB	19795	WEST 338	October 1, 2000	
YB	19796	WEST 339	October 1, 2000	
YB	19797	WEST 340	October 1, 2000	
YB	19798	WEST 341	October 1, 2000	
YB	19799	WEST 342	October 1, 2000	
YB	19804	WEST 347	October 1, 2000	
YB	19805	WEST 348	October 1, 2000	
YB	19806	WEST 349	October 1, 2000	
YB	19807	WEST 350	October 1, 2000	
YB	19808	WEST 351	October 1, 2000	
YB	19809	WEST 352	October 1, 2000	
YB	19810	WEST 353	October 1, 2000	
YB	19811	WEST 354	October 1, 2000	
YB	19812	WEST 355	October 1, 2000	
YB	19813	WEST 356	October 1, 2000	
YB	19814	WEST 357	October 1, 2000	

Record	#	Claim Name	Expiry Date	Comments
YB	19815	WEST 358	October 1, 2000	
YB	19820	WEST 363	October 1, 2000	
YB	19821	WEST 364	October 1, 2000	
YB	19822	WEST 365	October 1, 2000	
YB	19823	WEST 366	October 1, 2000	
YB	19824	WEST 367	October 1, 2000	
YB	19825	WEST 368	October 1, 2000	
YB	43714	ROSIE 1	October 14, 2000	
YB	43715	ROSIE 2	October 14, 2000	
YB	43716	ROSIE 3	October 14, 2000	not on government printout dated 1996/08/05
YB	43717	ROSIE 4	October 14, 2000	
YB	43718	ROSIE 5	October 14, 2000	
YB	43719	ROSIE 6	October 14, 2000	
YB	43720	ROSIE 7	October 14, 2000	
YB	43721	ROSIE 8	October 14, 2000	
YB	43722	ROSIE 9	October 14, 2000	
YB	43723	ROSIE 10	October 14, 2000	
YB	43724	ROSIE 11	October 14, 2000	
YB	43725	ROSIE 12	October 14, 2000	not on government printout dated 1996/08/05
YB	43726	ROSIE 13	October 14, 2000	
YB	43727	ROSIE 14	October 14, 2000	
YB	43728	ROSIE 15	October 14, 2000	
YB	29956	SEC 80	October 1, 2001	
YB	29957	SEC 81	October 1, 2001	
YB	29958	SEC 82	October 1, 2001	
YB	29959	SEC 83	October 1, 2001	
YB	29960	SEC 84	October 1, 2001	
YB	29961	SEC 85	October 1, 2001	
YB	29962	SEC 86	October 1, 2001	
YB	29963	SEC 87	October 1, 2001	
YB	29964	SEC 88	October 1, 2001	
YB	29965	SEC 89	October 1, 2001	
YB	29966	SEC 90	October 1, 2001	
YB	29967	SEC 91	October 1, 2001	
YB	29968	SEC 92	October 1, 2001	
YB	29969	SEC 93	October 1, 2001	
YB	29970	SEC 94	October 1, 2001	
YB	29971	SEC 95	October 1, 2001	
YB	29972	SEC 96	October 1, 2001	
YB	29997	SEC 121	October 1, 2001	
YB	29998	SEC 122	October 1, 2001	
YB	29999	SEC 123	October 1, 2001	
YB	30000	SEC 124	October 1, 2001	
YB	42204	W 3F	October 1, 2001	
YB	42205	W 4F	October 1, 2001	
YB	42206	W 5F	October 1, 2001	
YB	18784	WEST 17	October 1, 2001	
YB	18786	WEST 19	October 1, 2001	
YB	18788	WEST 21	October 1, 2001	
YB	18807	WEST 40	October 1, 2001	
YB	18809	WEST 42	October 1, 2001	
YB	18811	WEST 44	October 1, 2001	
YB	18819	WEST 52	October 1, 2001	

Record	#	Claim Name	Expiry Date	Comments
YB	18820	WEST 53	October 1, 2001	
YB	18821	WEST 54	October 1, 2001	
YB	18823	WEST 56	October 1, 2001	
YB	18825	WEST 58	October 1, 2001	
YB	18827	WEST 60	October 1, 2001	
YB	18844	WEST 77	October 1, 2001	
YB	18872	WEST 105	October 1, 2001	
YB	18874	WEST 107	October 1, 2001	
YB	18899	WEST 132	October 1, 2001	
YB	18900	WEST 133	October 1, 2001	
YB	18901	WEST 134	October 1, 2001	
YB	18902	WEST 135	October 1, 2001	
YB	18923	WEST 156	October 1, 2001	
YB	18924	WEST 157	October 1, 2001	
YB	18925	WEST 158	October 1, 2001	
YB	18926	WEST 159	October 1, 2001	
YB	18927	WEST 160	October 1, 2001	
YB	18928	WEST 161	October 1, 2001	
YB	18934	WEST 167	October 1, 2001	
YB	18935	WEST 168	October 1, 2001	
YB	18936	WEST 169	October 1, 2001	
YB	18937	WEST 170	October 1, 2001	
YB	18938	WEST 171	October 1, 2001	
YB	18939	WEST 172	October 1, 2001	
YB	18940	WEST 173	October 1, 2001	
YB	18941	WEST 174	October 1, 2001	
YB	18942	WEST 175	October 1, 2001	
YB	18943	WEST 176	October 1, 2001	
YB	18944	WEST 177	October 1, 2001	
YB	18945	WEST 178	October 1, 2001	
YB	18946	WEST 179	October 1, 2001	
YB	18947	WEST 180	October 1, 2001	
YB	18948	WEST 181	October 1, 2001	
YB	18949	WEST 182	October 1, 2001	
YB	18950	WEST 183	October 1, 2001	
YB	18951	WEST 184	October 1, 2001	
YB	18952	WEST 185	October 1, 2001	
YB	18953	WEST 186	October 1, 2001	
YB	18954	WEST 187	October 1, 2001	
YB	18955	WEST 188	October 1, 2001	
YB	18956	WEST 189	October 1, 2001	
YB	18957	WEST 190	October 1, 2001	
YB	18958	WEST 191	October 1, 2001	
YB	18959	WEST 192	October 1, 2001	
YB	18960	WEST 193	October 1, 2001	
YB	18961	WEST 194	October 1, 2001	
YB	18962	WEST 195	October 1, 2001	
YB	18965	WEST 198	October 1, 2001	
YB	18966	WEST 199	October 1, 2001	
YB	18967	WEST 200	October 1, 2001	
YB	18968	WEST 201	October 1, 2001	
YB	18969	WEST 202	October 1, 2001	
YB	18970	WEST 203	October 1, 2001	
YB	18971	WEST 204	October 1, 2001	
YB	18972	WEST 205	October 1, 2001	

Record	#	Claim Name	Expiry Date	Comments
YB	18973	WEST 206	October 1, 2001	
YB	18974	WEST 207	October 1, 2001	
YB	18975	WEST 208	October 1, 2001	
YB	18977	WEST 210	October 1, 2001	
YB	18978	WEST 211	October 1, 2001	
YB	18979	WEST 212	October 1, 2001	
YB	18980	WEST 213	October 1, 2001	
YB	18981	WEST 214	October 1, 2001	
YB	18982	WEST 215	October 1, 2001	
YB	18983	WEST 216	October 1, 2001	
YB	18984	WEST 217	October 1, 2001	
YB	18985	WEST 218	October 1, 2001	
YB	18986	WEST 219	October 1, 2001	
YB	18987	WEST 220	October 1, 2001	
YB	18988	WEST 221	October 1, 2001	
YB	18989	WEST 222	October 1, 2001	
YB	18990	WEST 223	October 1, 2001	
YB	18991	WEST 224	October 1, 2001	
YB	18992	WEST 225	October 1, 2001	
YB	18993	WEST 226	October 1, 2001	
YB	18994	WEST 227	October 1, 2001	
YB	18995	WEST 228	October 1, 2001	
YB	18996	WEST 229	October 1, 2001	
YB	18997	WEST 230	October 1, 2001	
YB	18998	WEST 231	October 1, 2001	
YB	18999	WEST 232	October 1, 2001	
YB	19000	WEST 233	October 1, 2001	
YB	19001	WEST 234	October 1, 2001	
YB	19002	WEST 235	October 1, 2001	
YB	19003	WEST 236	October 1, 2001	
YB	19004	WEST 237	October 1, 2001	
YB	19005	WEST 238	October 1, 2001	
YB	19006	WEST 239	October 1, 2001	
YB	19007	WEST 240	October 1, 2001	
YB	19008	WEST 241	October 1, 2001	
YB	19009	WEST 242	October 1, 2001	
YB	19010	WEST 243	October 1, 2001	
YB	19011	WEST 244	October 1, 2001	
YB	19012	WEST 245	October 1, 2001	
YB	19013	WEST 246	October 1, 2001	
YB	19014	WEST 247	October 1, 2001	
YB	19015	WEST 248	October 1, 2001	
YB	19016	WEST 249	October 1, 2001	
YB	19017	WEST 250	October 1, 2001	
YB	19018	WEST 251	October 1, 2001	
YB	19019	WEST 252	October 1, 2001	
YB	19020	WEST 253	October 1, 2001	
YB	19021	WEST 254	October 1, 2001	
YB	19022	WEST 255	October 1, 2001	
YB	19023	WEST 256	October 1, 2001	
YB	19024	WEST 257	October 1, 2001	
YB	19025	WEST 258	October 1, 2001	
YB	19026	WEST 259	October 1, 2001	
YB	19027	WEST 260	October 1, 2001	
YB	19028	WEST 261	October 1, 2001	

Record	#	Claim Name	Expiry Date	Comments
YB	19029	WEST 262	October 1, 2001	
YB	19030	WEST 263	October 1, 2001	
YB	19031	WEST 264	October 1, 2001	
YB	19032	WEST 265	October 1, 2001	
YB	19033	WEST 266	October 1, 2001	
YB	19034	WEST 267	October 1, 2001	
YB	19035	WEST 268	October 1, 2001	
YB	19036	WEST 269	October 1, 2001	
YB	19037	WEST 270	October 1, 2001	
YB	19039	WEST 272	October 1, 2001	
YB	19040	WEST 273	October 1, 2001	
YB	19041	WEST 274	October 1, 2001	
YB	19042	WEST 275	October 1, 2001	
YB	19043	WEST 276	October 1, 2001	
YB	19044	WEST 277	October 1, 2001	
YB	19045	WEST 278	October 1, 2001	
YB	19046	WEST 279	October 1, 2001	
YB	19047	WEST 280	October 1, 2001	
YB	19048	WEST 281	October 1, 2001	
YB	19049	WEST 282	October 1, 2001	
YB	19050	WEST 283	October 1, 2001	
YB	19051	WEST 284	October 1, 2001	
YB	19052	WEST 285	October 1, 2001	
YB	19061	WEST 294	October 1, 2001	
YB	19062	WEST 295	October 1, 2001	
YB	19063	WEST 296	October 1, 2001	
YB	19064	WEST 297	October 1, 2001	
YB	19086	WEST 319	October 1, 2001	
YB	19088	WEST 321	October 1, 2001	
YB	19788	WEST 331	October 1, 2001	
YB	19789	WEST 332	October 1, 2001	
YB	19800	WEST 343	October 1, 2001	
YA	17814	DAVE 13 LEASE 3458	lease - January 31, 2011	
YA	17815	DAVE 14 LEASE 3459	lease - January 31, 2011	
YA	17816	DAVE 15 LEASE 3460	lease - January 31, 2011	
YA	17817	DAVE 16 LEASE 3461	lease - January 31, 2011	
YA	42970	DAVE 25F LEASE 3455	lease - January 31, 2011	
YA	42972	DAVE 27F LEASE 3456	lease - January 31, 2011	
YA	42973	DAVE 28F LEASE 3457	lease - January 31, 2011	
YA	1403	R&D 11 LEASE 3453	lease - January 31, 2011	
YA	1405	R&D 13 LEASE 3454	lease - January 31, 2011	
YA	1401	R&D 9 LEASE 3452	lease - January 31, 2011	

1996 ASSESSMENT REPORT

APPENDIX II

HOLE 207R

GEOLOGICAL DRILL LOG
+
AU ASSAY RESULTS

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-207R**
SECTION : **59825**

AZIMUTH : **180.0** NORTH : **7,099,181.4**
DIP : **-50.0** EAST : **459,822.3**
METERS : **131.7** ELEV. : **1,056.4**

1996 REVERSE CIRCULATION DRILL LOG

Sample	Type	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	1AT AA	Met 1	Met 2	Time	Lithology	Colour	Ser	Chl	Clay	Attn Oth	Int Oth	Mafic Int	Fe Ox	FeOx %	HCl Fines	Fines %	Vns %	Vein Color	Sx visual	Sx panned	Geological Comments	Water Flow	Add rod	Drill Comments
123910	RC	1.52	3.05	5	10	0.06			0.2	0:13	O/B																No smpl drilling thru log no recovery			No sample! 20' of casing & overburden
123911	RC	3.05	4.57	10	15	0.28			0.22	0:17	O/B	rusty brw						2	3	100			0.5	1			No fines - smpl to wet			
123912	RC	4.57	6.10	15	20	7.1			0.1	0:23	GRD	rusty brw						2	3	100			0.5	1			No fines - smpl to wet			
123913	RC	6.10	7.62	20	25	4.16			0.26	0:43	GRD	rusty gry						2	3	100		5					10% FeOx(4)		1	Used bit
123914	RC	7.62	9.14	25	30	6.04			0.16	0:45	GRD	rusty gry						2	3	100		5					Clay coated frags			
123915	std F								1.43																					
123916	RC	9.14	10.67	30	35	5.82			0.28	0:48	GRD	rusty gry			1			2	3	100		50	0.5	1			Clay coated frags			
123917	RC	10.67	12.19	35	40	10.58			0.17	0:51	GRD	brw gry	3		2				3	100		50	2.0	1			Heavy clay coating on frags			
123918	RC	12.19	13.72	40	45	7.3			0.16	1:02	GRD	rusty brw	3		1				4	100		60					Clay coated		1	
123919	RC	13.72	15.24	45	50	9.12			0.13	1:07	GRD	rusty brw						1	3	100		30					Heavy clay coating on frags			
123920	RC/rig	15.24	16.76	50	55	8			0.45	1:13	GRD	rusty gry						2	3	100		15	0.5	1			Clay coated frags			
123921	rig dupl	15.24	16.76	50	55	9.76			0.66																					
123922	RC	16.76	18.29	55	60	9.44			0.1	1:18	GRD	brw gry						1	2	100		80					Clay coated frags			
123923	RC	18.29	19.81	60	65	4.98			0.19	1:28	GRD	brw						1	3	100	3	80	0.5	1			Heavy clay coating on frags		1	Reverse circ. rod added at 1:30
123924	RC	19.81	21.34	65	70	11.58			0.4	1:36	GRD	rusty gry						1	3	100		80	10.0	1			Clay coated frags			
123925	blank								<.03																					
123926	RC	21.34	22.86	70	75	10.46			0.17	1:40	GRD	brw gry			2			1	3	95	2	70	0.5	1			Heavy clay coating on frags			
123927	RC	22.86	24.38	75	80	10.6			0.63	1:42	GRD	rusty brw						1	3	100		60					Clay coated frags, 40% FeOx(4)			
123928	RC	24.38	25.91	80	85	9.26			0.89	1:52	GRD	rusty wht							3	100		90	50.0	1			50% clay balls		1	
123929	RC	25.91	27.43	85	90	10.48			0.63	1:56	GRD	rusty gry						2	3	100	3	90	5.0	3			Clay coated frags			
123930	RC	27.43	28.96	90	95	9.86			0.25	2:01	GRD	lt brw rusty	2					2	3	100	3	35					Heavy clay coated frags			
123931	RC/lab	28.96	30.48	95	100	9.86			0.33	2:06	GRD	rusty gry	2					2	3	100	1	35					10% FeOx(4)			
123932	RC	30.48	32.00	100	105	9.96			0.34	2:16	GRD	gry rusty	1					2	2	100	3	30							1	
123933	RC	32.00	33.53	105	110	9.92			0.35	2:23	GRD	rusty gry	1					2	2	100	1	40	0.5	1			20% FeOx(3)			
123934	std A								0.43																					

HOLE : 96-207R

Sample	Type	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	1AT AA	Met 1	Met 2	Time	Lithology	Colour	Ser	Chl	Clay	Alln Oth	Int Oth	Mafic Int	Fe Ox	FeOx %	HCl Fines	Fines %	Vns %	Vein Color	Sx visual	Sx panned	Geological Comments	Water Flow	Add rod	Drill Comments
123935	RC	33.53	35.05	110	115	9.34			0.11	2:29	GRD	gry rusty						2	2	100	3	50	2.0	1						
123936	RC	35.05	36.58	115	120	10.14			0.15	2:37	GRD	rusty gry	3					2	3	100	2	30								
123937	RC	36.58	38.10	120	125	5.24			0.31	3:01	GRD	rusty gry						2	3	100	2	50	0.5	1				<5	1	Half smpl wet and 1/2 smpl dry; going to wet as rods are starting to silt in & bind
123938	RC	38.10	39.62	125	130	10.9			0.44	3:14	GRD	rusty gry	3					2	3	90			2.0	1				<5		
123939	RC	39.62	41.15	130	135	11.08			0.55	3:19	GRD	rusty gry						2	3	95			4.0	1				<5		
123940	RC	41.15	42.67	135	140	9.46			0.31	3:23	GRD	rusty gry						1	3	100			4.0	1			10% FeOx(4)	<5		
123941	RC	42.67	44.20	140	145	8.88			0.11	3:32	GRD	rusty gry/wht gry						2	3	100			10.0	3			H2O clay rich	<5	1	
123942	RC	44.20	45.72	145	150	11.02			0.41	3:35	GRD	rusty gry						2	3	100							H2O clay rich	<5		
123943	RC/rig	45.72	47.24	150	155	8.92			4.51	3:39	GRD	brw	3						3	100			0.5	1			H2O v. clay rich, 10% clay balls	<5		75% split taken - proportionally correct
123944	blank								<.03																					
123945	rig dupl	45.72	47.24	150	155	14.36			4.12																					
123946	RC	47.24	48.77	155	160	11.32			0.23	3:43	GRD	rusty gry						2	3	100			0.5	1			10% FeOx(3)	<5		
123947	RC	48.77	50.29	160	165	11.22			0.2	3:54	GRD	rusty gry/wht gry						2	2	75							40% qtzite	6	1	
123948	RC	50.29	51.82	165	170	8.1			0.17	3:58	GRD	rusty gry						2	2	100								<5		
123949	RC	51.82	53.34	170	175	10.96			0.15	4:04	GRD	rusty gry						2	2	100								<5		
123950	RC	53.34	54.86	175	180	10.08			0.57	4:13	GRD	rusty gry						2	2	100								<5		
123951	RC	54.86	56.39	180	185	10.74			0.12	4:28	GRD	rusty gry						2	2	100								<5	1	
123952	RC	56.39	57.91	185	190	7.24			0.36	4:33	GRD	rusty gry						2	3	100							H2O v. clay rich	<5		
123953	RC	57.91	59.44	190	195	9.38			<.07	4:37	GRD	rusty gry						2	2	100							20% FeOx(3)	<5		
123954	std E																													
123955	RC/lab	59.44	60.96	195	200	9.04			0.5	4:41	GRD	rusty gry						2	3	100			0.5	1				<5		
123956	RC	60.96	62.48	200	205	10.22			0.18	4:53	GRD	gry rusty						2	1	90								<5	1	
123957	RC	62.48	64.01	205	210	9.2			0.44	5:00	GRD	gry rusty						2	2	100			2.0	1			10% FeOx(3)	<5		
123958	RC	64.01	65.53	210	215	8.46			0.09	5:05	GRD	rusty gry						2	3	100			5.0	3				<5		
123959	RC	65.53	67.06	215	220	6.5			0.77	5:08	GRD	rusty grn brw		3					3	100			0.5	1			H2O orange rich clay	6		
123960	RC	67.06	68.58	220	225	10.16			2.32	5:22	GRD	lt rusty gry						2	2	100			2.0	1				6	1	
123961	RC	68.58	70.10	225	230	10.46			0.23	5:32	GRD	gry rusty						2	2	100			5.0	1				6		
123962	RC	70.10	71.63	230	235	9.5			0.11	5:42	GRD	rusty gry				cb	1	2	2	100			0.5	1			15% qtzite	<5		
123963	blank								<.03																					
123964	RC	71.63	73.15	235	240	10.08			0.52	5:50	GRD	rusty gry						2	3	90								<5		
123965	RC	73.15	74.68	240	245	8.46			0.4	6:05	GRD	rusty gry				cb	1	2	3	100			0.5	1				<5	1	
123966	RC	74.68	76.20	245	250	9.86			0.14	6:11	GRD	rusty gry						2	3	100							10% FeOx(4), H2O clay rich	<5		
123967	RC/rig	76.20	77.72	250	255	8.96			0.11	6:18	GRD	gry rusty						2	2	100							5% qtzite, H2O clay rich	<5		75% split taken - proportionally correct
123968	rig dupl	76.20	77.72	250	255	27.1			0.14																					
123969	RC	77.72	79.25	255	260	10.18			0.31	6:24	GRD	rusty						2	3	100							H2O clay rich	<5		

HOLE : 96-207R

Sample	Type	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	1AT AA	Met 1	Met 2	Time	Lithology	Colour	Ser	Chl	Clay	Altn Oth	Int Oth	Mafic Int	Fe Ox	FeOx %	HCl Fines	Fines %	Vns %	Vein Color	Sx visual	Sx panned	Geological Comments	Water Flow	Add rod	Drill Comments
123970	RC	79.25	80.77	260	265	8.08			0.08	6:37	GRD	rusty gry						2	2	100			0.5	1			30% FeOx(3)	<5	1	
123971	RC	80.77	82.30	265	270	9.02			0.1	6:41	GRD	rusty gry						2	2	100			0.5	1				<5		
123972	RC	82.30	83.82	270	275	6.94			<.07	6:47	GRD	rusty gry						2	2	90					tr.aspy			<5		
123973	std A								0.47																					
123974	RC	83.82	85.34	275	280	10.02			0.11	8:00	GRD	rusty gry				cb	1	2	2	100								5		Shift change - drilling starts up @7:57
123975	RC	85.34	86.87	280	285	8.5			<.07	8:11	GRD	rusty gry				cb	1	2	2	100			1.0	1				5	1	
123976	RC	86.87	88.39	285	290	6.9			0.23	8:16	GRD	rusty brw	4						3	100			1.0	1				5		
123977	RC	88.39	89.92	290	295	10.46			0.24	8:21	GRD	rusty gry brw		3		cb	1	2	1	95								5		
123978	RC/lab	89.92	91.44	295	300	9.44			0.1	8:25	GRD	rusty gry				cb	2	2	2	100			1.0	1				5		
123979	RC	91.44	92.96	300	305	9.42			0.17	8:32	GRD	lt rusty beige						2	2	90			1.0	1				5	1	
123980	RC	92.96	94.49	305	310	9.72			0.45	8:36	GRD	dk gry lt rusty				cb	1	2	2	100								5		
123981	RC	94.49	96.01	310	315	8.26			1.87	8:40	GRD	lt gry lt rusty				cb	1	2	2	80			1.0	1				5		
123982	blank								<.03																					
123983	RC	96.01	97.54	315	320	7.66			0.27	8:43	GRD	gry rusty				cb	1	2	2	85			1.0	2	tr. aspy			5		
123984	RC	97.54	99.06	320	325	8.38			0.19	8:53	GRD	rusty gry				cb	1	2	3	100								<5	1	
123985	RC	99.06	100.58	325	330	10.06			0.09	8:59	GRD	lt gry lt rusty				cb	1	2	2	90			2.0	2				<5		
123986	RC	100.58	102.11	330	335	10.12			1.43	9:02	25%qtz, 75%GRD	lt gry lt rusty				cb	1	2	2	90			25.0	1				<5		
123987	RC	102.11	103.63	335	340	10.7			0.26	9:09	GRD	rusty						2	3	100								<5		
123988	RC	103.63	105.16	340	345	6.56			0.14	9:16	GRD	gry lt rusty				cb	1	2	1	30								<5	1	O-ring in top driver changed
123989	RC	105.16	106.68	345	350	7.02			0.18	9:19	GRD	gry rusty				cb	1	2	1	90								<5		
123990	RC/rig	106.68	108.20	350	355	6.6			0.91	9:23	GRD	lt gry lt rusty				cb	1	2	1	60			1.0	2	tr. aspy		75% split completed	<5		75% split completed
123991	rig dupl	106.68	108.20	350	355	17.18			0.42																					
123992	std E																													
123993	RC	108.20	109.73	355	360	10.78			0.13	9:31	GRD	rusty gry				cb	1	2	2	100								<5		
123994	RC	109.73	111.25	360	365	11.88			0.12	9:41	GRD	gry rusty				cb	2	2	2	100								5	1	
123995	RC	111.25	112.78	365	370	11.74			0.51	9:45	GRD	gry rusty				cb	1	2	2	90			1.0	2				5		
123996	RC	112.78	114.30	370	375	10.12			0.8	9:52	GRD	lt rusty				cb	1	2	2	100			1.0	2				5		
123997	RC	114.30	115.82	375	380	11.92			0.6	9:57	GRD	lt gry lt rusty				cb	2	2	2	80			1.0	1				5		
123998	RC	115.82	117.35	380	385	15.78			0.27	10:14	GRD	rusty gry				cb	1	2	3	100			1.0	1				<5	1	
123999	RC	117.35	118.87	385	390	12.86			0.14	10:18	GRD	rusty gry				cb	1	2	2	90			1.0	2						
124000	RC	118.87	120.40	390	395	13.58			0.3	10:27	GRD	rusty gry				cb	1	2	2	90			1.0	2						
124001	RC/lab	120.40	121.92	395	400	12.46			0.19	10:35	GRD	lt gry lt rusty				cb	1	2	1	75			2.0	2						
124002	blank								<.03																					
124003	RC	121.92	123.44	400	405	12.28			0.27	10:50	GRD	lt gry lt rusty				cb	1	2	1	50			1.0	1					1	
124004	RC	123.44	124.97	405	410	9.56			0.12	10:59	90%metaseds, 10%qtz	lt gry	1			cb	1			0			10.0	2	tr. ser altn		10% qtz, 90% metased	10		
124005	RC	124.97	126.49	410	415	10.38			0.22	11:10	60%metaseds, 40%GRD	lt beige lt rusty				cb	1	2	2	80			1.0	1						
124006	RC	126.49	128.02	415	420	14.68			0.1	11:22	50%GRD, 50%metaseds	lt gry lt rusty				cb	1	2	1	60			1.0	2			50% GRD, 50% metased			

HOLE : 96-207R

Sample	Type	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	1AT AA	Met 1	Met 2	Time	Lithology	Colour	Ser	Chl	Clay	Altn Oth	Int Oth	Mafic Int	Fe Ox	FeOx %	HCl Fines	Fines %	Vns %	Vein Color	Sx visual	Sx panned	Geological Comments	Water Flow	Add rod	Drill Comments
124007	RC	128.02	129.54	420	425	11			0.18	11:42	70%GRD, 30%metaseds	gry lt rusty				cb	1	2	1	40			1.0	1			70%GRD, 30% metased		1	
124008	RC	129.54	131.06	425	430	10.36			0.11	12:06	80%metaseds, 20%GRD	gry brw lt rusty				cb	1	2	1	30			1.0	1			80% metased, 20% GRD			12:00 - checked w/ Mike Sieb re: mix of GRD;metased in samples - driller indicates he wants to go only one more rod - M. Sieb okays;
124009	RC	131.06	131.67	430	432																									Driller indicates he needs more water to continue and would have to send down for more - contacted M. Sieb, decosion is made to call the hole @432'

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : 96-207R
SECTION : 59825

AZIMUTH : 180.0 NORTH : 7,099,181.4
DIP : -50.0 EAST : 459,822.3
METERS : 131.7 ELEV. : 1,056.4

Sample	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	Fire Assay	Metallic1	Metallic2	Type	Cert. #
123910	1.5	3.1	5	10	0.06			0.2	RC	9 630 912
123911	3.1	4.6	10	15	0.28			0.22	RC	9 630 912
123912	4.6	6.1	15	20	7.1			0.1	RC	9 630 912
123913	6.1	7.6	20	25	4.16			0.26	RC	9 630 912
123914	7.6	9.1	25	30	6.04			0.16	RC	9 630 912
123915	0.0	0.0	0	0				1.43	std F	9 630 912
123916	9.1	10.7	30	35	5.82			0.28	RC	9 630 912
123917	10.7	12.2	35	40	10.58			0.17	RC	9 630 912
123918	12.2	13.7	40	45	7.3			0.16	RC	9 630 912
123919	13.7	15.2	45	50	9.12			0.13	RC	9 630 912
123920	15.2	16.8	50	55	8			0.45	RC/rig	9 630 912
123921	15.2	16.8	50	55	9.76			0.66	rig dupl	9 630 912
123922	16.8	18.3	55	60	9.44			0.1	RC	9 630 912
123923	18.3	19.8	60	65	4.98			0.19	RC	9 630 912
123924	19.8	21.3	65	70	11.58			0.4	RC	9 630 912
123925	0.0	0.0	0	0				<.03	blank	9 630 912
123926	21.3	22.9	70	75	10.46			0.17	RC	9 630 912
123927	22.9	24.4	75	80	10.6			0.63	RC	9 630 912
123928	24.4	25.9	80	85	9.26			0.89	RC	9 630 912
123929	25.9	27.4	85	90	10.48			0.63	RC	9 630 912
123930	27.4	29.0	90	95	9.86			0.25	RC	9 630 912
123931	29.0	30.5	95	100	9.86			0.33	RC/lab	9 630 912
123932	30.5	32.0	100	105	9.96			0.34	RC	9 630 912
123933	32.0	33.5	105	110	9.92			0.35	RC	9 630 912
123934	0.0	0.0	0	0				0.43	std A	9 630 912
123935	33.5	35.1	110	115	9.34			0.11	RC	9 630 912
123936	35.1	36.6	115	120	10.14			0.15	RC	9 630 912
123937	36.6	38.1	120	125	5.24			0.31	RC	9 630 912
123938	38.1	39.6	125	130	10.9			0.44	RC	9 630 912
123939	39.6	41.2	130	135	11.08			0.55	RC	9 630 912
123940	41.2	42.7	135	140	9.46			0.31	RC	9 630 912
123941	42.7	44.2	140	145	8.88			0.11	RC	9 630 912
123942	44.2	45.7	145	150	11.02			0.41	RC	9 630 912
123943	45.7	47.2	150	155	8.92			4.51	RC/rig	9 630 912
123944	0.0	0.0	0	0				<.03	blank	9 630 912
123945	45.7	47.2	150	155	14.36			4.12	rig dupl	9 630 912
123946	47.2	48.8	155	160	11.32			0.23	RC	9 630 912
123947	48.8	50.3	160	165	11.22			0.2	RC	9 630 912
123948	50.3	51.8	165	170	8.1			0.17	RC	9 630 912
123949	51.8	53.3	170	175	10.96			0.15	RC	9 630 912
123950	53.3	54.9	175	180	10.08			0.57	RC	9 630 912
123951	54.9	56.4	180	185	10.74			0.12	RC	9 630 912
123952	56.4	57.9	185	190	7.24			0.36	RC	9 630 912
123953	57.9	59.4	190	195	9.38			<.07	RC	9 630 912
123954	0.0	0.0	0	0					std E	
123955	59.4	61.0	195	200	9.04			0.5	RC/lab	9 630 912
123956	61.0	62.5	200	205	10.22			0.18	RC	9 630 912
123957	62.5	64.0	205	210	9.2			0.44	RC	9 630 912
123958	64.0	65.5	210	215	8.46			0.09	RC	9 630 912

HOLE : 96-207R

Sample	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	Fire Assay	Metallic1	Metallic2	Type	Cert. #
123959	65.5	67.1	215	220	6.5			0.77	RC	9 630 912
123960	67.1	68.6	220	225	10.16			2.32	RC	9 630 912
123961	68.6	70.1	225	230	10.46			0.23	RC	9 630 912
123962	70.1	71.6	230	235	9.5			0.11	RC	9 630 912
123963	0.0	0.0	0	0				<.03	blank	9 630 912
123964	71.6	73.2	235	240	10.08			0.52	RC	9 630 912
123965	73.2	74.7	240	245	8.46			0.4	RC	9 630 912
123966	74.7	76.2	245	250	9.86			0.14	RC	9 630 912
123967	76.2	77.7	250	255	8.96			0.11	RC/rig	9 630 912
123968	76.2	77.7	250	255	27.1			0.14	rig dupl	9 630 912
123969	77.7	79.3	255	260	10.18			0.31	RC	9 630 912
123970	79.3	80.8	260	265	8.08			0.08	RC	9 630 912
123971	80.8	82.3	265	270	9.02			0.1	RC	9 630 912
123972	82.3	83.8	270	275	6.94			<.07	RC	9 630 912
123973	0.0	0.0	0	0				0.47	std A	9 630 912
123974	83.8	85.3	275	280	10.02			0.11	RC	9 630 912
123975	85.3	86.9	280	285	8.5			<.07	RC	9 630 912
123976	86.9	88.4	285	290	6.9			0.23	RC	9 630 912
123977	88.4	89.9	290	295	10.46			0.24	RC	9 630 912
123978	89.9	91.4	295	300	9.44			0.1	RC/lab	9 630 912
123979	91.4	93.0	300	305	9.42			0.17	RC	9 630 912
123980	93.0	94.5	305	310	9.72			0.45	RC	9 630 912
123981	94.5	96.0	310	315	8.26			1.87	RC	9 630 912
123982	0.0	0.0	0	0				<.03	blank	9 630 912
123983	96.0	97.5	315	320	7.66			0.27	RC	9 630 912
123984	97.5	99.1	320	325	8.38			0.19	RC	9 630 912
123985	99.1	100.6	325	330	10.06			0.09	RC	9 630 912
123986	100.6	102.1	330	335	10.12			1.43	RC	9 630 912
123987	102.1	103.6	335	340	10.7			0.26	RC	9 630 912
123988	103.6	105.2	340	345	6.56			0.14	RC	9 630 912
123989	105.2	106.7	345	350	7.02			0.18	RC	9 630 912
123990	106.7	108.2	350	355	6.6			0.91	RC/rig	9 630 912
123991	106.7	108.2	350	355	17.18			0.42	rig dupl	9 630 912
123992	0.0	0.0	0	0					std E	
123993	108.2	109.7	355	360	10.78			0.13	RC	9 630 912
123994	109.7	111.3	360	365	11.88			0.12	RC	9 630 912
123995	111.3	112.8	365	370	11.74			0.51	RC	9 630 912
123996	112.8	114.3	370	375	10.12			0.8	RC	9 630 912
123997	114.3	115.8	375	380	11.92			0.6	RC	9 630 912
123998	115.8	117.4	380	385	15.78			0.27	RC	9 630 912
123999	117.4	118.9	385	390	12.86			0.14	RC	9 630 912
124000	118.9	120.4	390	395	13.58			0.3	RC	9 630 912
124001	120.4	121.9	395	400	12.46			0.19	RC/lab	9 630 912
124002	0.0	0.0	0	0				<.03	blank	9 630 912
124003	121.9	123.4	400	405	12.28			0.27	RC	9 630 912
124004	123.4	125.0	405	410	9.56			0.12	RC	9 630 912
124005	125.0	126.5	410	415	10.38			0.22	RC	9 630 912
124006	126.5	128.0	415	420	14.68			0.1	RC	9 630 912
124007	128.0	129.5	420	425	11			0.18	RC	9 630 912
124008	129.5	131.1	425	430	10.36			0.11	RC	9 630 912
124009	131.1	131.7	430	432					RC	

1996 ASSESSMENT REPORT

APPENDIX III

HOLES 96-241C TO 243C

GEOLOGICAL AND GEOTECHNICAL
DRILL LOGS
+
AU ASSAY RESULTS

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-241C**
SECTION : **GT96-12**

AZIMUTH :
DIP : **-90.0**
METERS : **34.7**
NORTH : **7,100,787.8**
EAST : **459,862.9**
ELEV. : **902.6**

Logged By : L. Gourdine

Unit	From (m)	To (m)	Lithology	Heading	Capsule	Description
A	0.00	10.40	CASING	STRUC	34' casing w/ OB	**LITH:** 60% medg GRD, 30% bio/qtz schist, 10% qtzite **STRUC:** 100% v BC, sub-rounded, 80% core loss **WX:** FeOx 1-3 **VNING:** No visible vning **ALTN:** No pervasive altn **LC:** Gradational to more competent core
A	10.40	34.75	BQAH SCHIST	LITH	Rare vning, FeOx(0)	**LITH:** 60-70% fg blk bio xls, 15-20% gry/blue andalusite xls, 10-25% gry/wht qtz as blebs, laminations and seats **ALTN:** No pervasive altn **WX:** FeOx 0 **VNING:** Rare vning < 1vn/4-5m, wht/gry qtz w/ < 1% sx **STRUC:** 80% wkly BC 20% mod BC, preferential frac'g along foln, mod fol'd at 50-60° to CA, 10% core loss
B	13.30	16.80		STRUC	Ser(2-3), 55% core loss	10% rbl w/ 90% strong BC
C	15.24	16.76		STRUC		Smpl 113133M; DAP 13.3 - 16.8 except 30% core loss
C	19.60	20.00		STRUC		Smpl 113134M
B	21.90	25.40		ALTN	Qtzite, Ser (3), Chl (1) ?	Lt grn colour, w/ py found along folia margin and within rock fabric, ~2 vns/m, wht qtz 60-70° to CA w/ 0.1% py; smpl 113135M - 21.80-22.86; smpl 113136M - 22.86-24.38; smpl 113137M - 24.38-25.91
B	26.70	27.60		LITH	90cm wkly bx'd BQAH w/ 5-10% clay	Wkly ser along qtz/feldspar blebs
B	27.60	28.70		STRUC	1.15m core loss	
B	28.70	34.00		ALTN	Selective ser (1-2)	Preferential altn along bio folia
C	28.96	30.45		VN		Smpl 113138M; smpl of 6.9cm qtz vn, 60° to CA, no visible sx
A	34.75	34.75	E.O.H.			

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-241C**
SECTION : GT96-12

AZIMUTH :
DIP : **-90.0**
METERS : **34.7**
NORTH : **7,100,787.8**
EAST : **459,862.9**
ELEV. : **902.6**

Logged By: **L. Gourdine**

1996 CORE HOLE VEIN SUMMARY

From (m)	To (m)	Sample #	Type	1AT AA	Met. 1	Met. 2	Lithology	Colour	Fe Ox	Ser	Chl	Clay	Cb	Altn Oth	Int	# Vns	Vn Type	Max Vn	Tot Vns	Maj Ang	Min Ang	Max Selv	Selv Altn	Int	Ox. State	Py %	Po %	Cpy %	Aspy %	BiS %	Sph %	Mo %	VG %	Oth Sx	FeOx %	Scor %	BIO %	Oth Ox
10.67	12.19						BQAHsch	Blk-white banded																														
12.19	13.72						BQAHsch	Blk-white banded																																
13.72	15.24						BQAHsch	Blk-white banded	3																																
15.24	16.76	113133	core	0.05			BQAHsch	Blk-white banded	2							1	1	0.9	0.9	60					0				0.2										
16.76	18.29						BQAHsch	Blk-white banded																																
18.29	19.81						BQAHsch	Blk-white banded								1	1	2.2	2.2						0	0.1				0.1									
19.60	20.00	113134	core	<.03			BQAHsch	Blk-white banded																																
19.81	21.34						BQAHsch	Blk-white banded								1	1	0.9	0.9	60					0				0.2										
21.34	22.86						BQAHsch	Blk-white banded		2	1																													
21.80	22.86	113135	core	<.03			Qtzite	pale green																																
22.86	24.38	113136	core	<.03			Qtzite	pale green		3	1					6	2	0.7	3.0	60	70				0	0.1												
24.38	25.91	113137	core	<.03			Qtzite	pale green		3	1					1	1	0.3	0.3	70					0	0.1												
25.91	27.43						BQAHsch	Blk/White banded		1		2				1	1	6.0	6.0						1	0.1												
27.43	28.96						BQAHsch	Blk/White banded																																
28.96	30.48						BQAHsch	Blk/White banded		1						1	1	6.9	6.9	60					0													
28.96	30.45	113138	core	<.03			BQAHsch	Blk/White banded																																
30.48	32.00						BQAHsch	Blk/White banded		2																														
32.00	33.53						BQAHsch	Blk/White banded		2																														
33.53	34.75						BQAHsch	Blk/White banded																																

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-241C**
SECTION : GT96-12

AZIMUTH :
DIP : -90.0
METERS : 34.7
NORTH : 7,100,787.8
EAST : 459,862.9
ELEV. : 902.6

Logged By : D. Loik

1996 GEOTECHNICAL LOG

From (m)	To (m)	Length (m)	Reco (m)	very %	RQD (m)	RQD %	Max (m)	Min (m)	Hard -ness	Degree o f Breakage	Degree of Wx	Major Angle	Minor Angle	# Joints	Joint Roughnes	Joint Filling	Fabric Type	Fabric Angle	Fabric Planes	Comments
0.00	4.27	4.27	0.36	8 %	0.00	0 %	0.06	0		5	MW					Fx/Cb/Qtz				Overburden, only rbl + brkn rock recovered, sand
4.27	5.79	1.52	0.26	17 %	0.11	7 %	0.11	0		5	MW					Fx/Cb				Overburden, only rbl + brkn rock recovered, sand
5.79	7.32	1.52	0.49	32 %	0.00	0 %	0.04	0		5	SW					Fx/Cb				Overburden, only rbl + brkn rock recovered, sand
7.32	8.84	1.52	0.43	28 %	0.00	0 %	0.04	0		5	SW					Fx/Cb/Qtz				Overburden, rbl + brkn rock
8.84	10.36	1.52	0.65	43 %	0.00	0 %	0.07	0	2		MW	64		29	P,S	Fx/Cb/Chl/Se/tr.Cl	SCH	56	7	Bedrock @ 33'20cm rbl @ top of run - followed by metased
10.36	11.89	1.52	1.07	70 %	0.00	0 %	0.09	0	2	7	MW	71		34	P,S	Cb/Cl/Chl/Se	SCH	58	6	
11.89	13.41	1.52	1.36	89 %	0.33	22 %	0.23	0	2	9	SW	68	31	18	P,R	Cb/Chl/Qtz/Se/tr.Cl	SCH	62	5	Trace clay found
13.41	14.94	1.52	0.52	34 %	0.00	0 %	0.05	0	2	5	MW			14	I,R	Cb/Chl/Se				Core loss of 3'4"
14.94	16.46	1.52	1.09	72 %	0.33	22 %	0.22	0	2	9	MW	69		23	P,S	Cb/Chl/Qtz/Se/tr.Cl				20cm rbl @ top of run
16.46	17.98	1.52	1.22	80 %	0.49	32 %	0.14	0	2	10	MW	70	55	29	P,S	Cb/Chl/Se	SCH	51	12	1'core loss
17.98	19.51	1.52	1.45	95 %	0.52	34 %	0.19	0	2	10	MW	54		18	P,S	Cb/Chl/Se	SCH	55	12	
19.51	21.03	1.52	1.54	01 %	0.64	42 %	0.22	0	2	9	MW	62		19	P,S	Cb/Chl/Se/Qtz	SCH	57	11	
21.03	22.56	1.52	1.42	93 %	0.44	29 %	0.26	0	2	10	MW	57		23	P,S	Cb/Chl/Se/Qtz	SCH	59	11	
22.56	23.93	1.37	1.24	90 %	0.72	52 %	0.27	0	3	12	SW	54		12	P,S	Cb/Chl/Se/Qtz/tr.Cl				6" core loss
23.93	25.30	1.37	1.10	80 %	0.00	0 %	0.08	0	2	7	MW	71		9	P,S	Cb/Chl/Se/Qtz/tr.Cl				2x5cm finely crushed rock zns @ JN
25.30	26.97	1.68	1.26	75 %	0.20	12 %	0.20	0	2	7	MW	67		21	P,S	Cb/Chl/Se/Sx				Arsenopyrite
26.97	28.65	1.68	0.64	38 %	0.12	7 %	0.12	0	2	6	MW			10	I,R	Cb/Chl/Cl				Last 1' of run HW / gouge / sand
28.65	30.02	1.37	1.02	74 %	0.11	8 %	0.11	0	2	9	MW	74		23	C,S	Cb/Chl/Se/tr.Cl				
30.02	31.70	1.68	1.54	92 %	0.56	33 %	0.14	0	2	10	MW	74		23	C,S	Cb/Chl/Se/tr.Cl/Sx				Arsenopyrite found in some JNs
31.70	33.22	1.52	1.16	76 %	0.76	50 %	0.23	0	2	10	MW			17	C,S	Cb/Chl/Se/tr.Cl				
33.22	34.75	1.52	0.91	60 %	0.42	28 %	0.19	0	2	10	MW	57		12	P,S	Cb				10cm rbl @ top of run, 2' core loss

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-241C**
Geotech # : GT96-12

AZIMUTH :
DIP : **-90.0**
METERS : **34.7**
NORTH : **7,100,787.8**
EAST : **459,862.9**
ELEV. : **902.6**

Sample	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	Fire Assay	Metallic1	Metallic2	Type	Cert. #
113133	15.2	16.8	50	55		0.05			core	9 634 909
113134	19.6	20.0	64	66		<.03			core	9 634 909
113135	21.8	22.9	72	75		<.03			core	9 634 909
113136	22.9	24.4	75	80		<.03			core	9 634 909
113137	24.4	25.9	80	85		<.03			core	9 634 909
113138	29.0	30.5	95	100		<.03			core	9 634 909

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-242C**
SECTION : **GT96-13**

AZIMUTH :
DIP : **-90.0**
METERS : **36.3**
NORTH : **7,100,822.8**
EAST : **459,864.6**
ELEV. : **904.1**

Logged By : L. Gourdine

Unit	From (m)	To (m)	Lithology	Heading	Capsule	Description
A	0.00	4.60	CASING	STRUC	15'casing w/ OB- 88% core loss	**LITH:** 5% GRD, 95% qtzite **WX:** FeOx 1-4 **STRUC:** 85% sub-rounded, ≤ 6cm frags, 88% core loss **VNING:** No visible vning **ALTN:** No pervasive altn **LC:** BC contanct
A	4.60	12.20	BIO-QTZ-SCHIST	STRUC/WX	FeOx(3-4), 80% core loss	**LITH:** 80% Bio-qtz-schist, 15% qtzite, 5% qtz vning **STRUC:** 80% core loss, 100% str BC **WX:** FeOx 3-4 overall, 10% of frac surf FeOx 5 **VNING:** Evidence of qtz vning but cannot discern size and orientation due to BC **ALTN:** 5% w/ pervasive ser 3 altn **LC:** BC contact to competent core
A	12.20	18.00	BQAH SCHIST	STRUC	Selective ser(1-2), FeOx(0)	**LITH:** BQAH schist, 60% vfg blk bil, 20% wht to wht/gry qtz lenses & laminations, 20% vfg blue/gry andalusite xls **ALTN:** Selective ser 1-2 altn, altn exploiting bio folia **WX:** FeOx 0, no evidence of oxid **VNING:** ≤ 1 vn/m avg ~1.5-.5cm, wht qtz 60-80° to CA, ≤ 0.5% py and aspy visible **STRUC:** 5-10% core loss, mod to str fol'd 60-70° to CA, 80% wkly BC, 20% mod BC **LC:** Gradational
C	15.24	16.32		STRUC		Smpl 113139M; 1x5.2cm 60° to CA, 1x1.5cm 80° to CA
B	17.10	17.70		ALTN	Ser(4)	Lt gry colour, scratches very easily, 5-10% of bio xtls visible; Smpl# 113140. 17.0-17.70m - 1x1.6cm 70° to CA, 1x3.8cm 50° to CA & VG, 1x4 0.1cm 55° to CA, 1x2.0cm 45° to CA
A	18.00	36.27	BQAH SCHIST	STRUC/ALTN	Chl(2-3), Ser(0-2), FeOx(0)	**LITH:** BQAH schist DAP 12.2-18.0 except **ALTN:** Variance from chl 2-3 mixed w/ ser 0-2 altn in places, preferential chl altn along bio folia **WX:** FeOx 0, no evidence of oxid **VNING:** ≤ 1vn/m avg 2.0-5.0cm, wht to wht/gry qtz, ≤ 1% sx, 45-75° to CA **STRUC**: 5-10% core loss, mod to str fol'd 50-70° to CA, wkly BC
C	25.30	25.91		VN		Smpl 113141M; 15cm white qtz vn w/ wallrock, 45° to CA, no visible sx

HOLE : **96-242C**

Unit	From (m)	To (m)	Lithology	Heading	Capsule	Description
C	26.79	27.68		VN		Smpl 113142M; 1x2.5cm qtz vn + 1x1.6cm qtz vn at 50° to CA, w/ 30cm ser(2) interval
B	30.80	31.30		VN	Two 14-20cm Qtz vns, no visible sx	Smpl 113143M (30.83-32.10m)
B	33.00	33.60		STRUC	60cm shear zone, 40% clay	20cm clay Go zn w/ 40cm str. fol'd and weakened along folia
B	35.10	36.27		ALTN	Chl(4)	W/ cross-cutting kspar veinlets
A	36.30	36.30	E.O.H.			

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-242C**
SECTION : **GT96-13**

AZIMUTH : NORTH : **7,100,822.8**
DIP : **-90.0** EAST : **459,864.6**
METERS : **36.3** ELEV. : **904.1**

Logged By: **L. Gourdine**

1996 CORE HOLE VEIN SUMMARY

From (m)	To (m)	Sample #	Type	1AT AA	Met. 1	Met. 2	Lithology	Colour	Fe Ox	Ser	Chl	Clay	Cb	Altn Oth	Int	# Vns	Vn Type	Max Vn	Tot Vns	Maj Ang	Min Ang	Max Selv	Selv Altn	Int	Ox. State	Py %	Po %	Cpy %	Aspy %	BIS %	Sph %	Mo %	VG %	Oth Sx	FeOx %	Scor %	BIO %	Oth Ox
4.57	6.10						QB Schist	Blk/White banded	4																													
6.10	7.62						QB Schist	Blk/White banded																															
7.62	9.14						QB Schist	Blk/White banded	4			1																											
9.14	10.67						QB Schist	Blk/White banded	3																														
10.67	12.19						BQAHsch	Blk/White banded	3																														
12.19	13.72						BQAHsch	Blk/White banded		2						2	1	8.0	11.6						0													
13.72	15.24						BQAHsch	Blk/White banded		2																													
15.24	16.76						BQAHsch	Blk/White banded		2						2	1	5.2	6.7	80	60				0	0.2			0.1									
15.24	16.32	113139	core	<.03			BQAHsch	Blk/White banded																															
16.76	18.29						BQAHsch	Blk/White banded		3						4	1	4.1	11.5						0				0.1				0.1					
17.00	17.70	113140	core	<.03			BQAHsch	Blk/White banded																															
18.29	19.81						BQAHsch	Blk/White banded			2																													
19.81	21.34						BQAHsch	Blk/White banded		2	2					1	1	2.3	2.3	70					0	0.2												
21.34	22.86						BQAHsch	Blk/White banded		1	2					3	1	2.0	4.5	50					0	0.2												
22.86	24.38						BQAHsch	Blk/White banded		1	2					2	1	3.6	5.5	35					0	1.0												
24.38	25.91						BQAHsch	Blk/White banded		1	3					1	1	15.0	15.0	45					0													
25.30	25.91	113141	core	<.03			BQAHsch	Blk/White banded																															
25.91	27.43						BQAHsch	Blk/White banded		2	2					2	1	2.0	4.1	50					0													
26.79	27.68	113142	core	<.03			BQAHsch	Blk/White banded																															
27.43	28.96						BQAHsch	Blk/White banded		1	2					1	1	5.0	5.0	35					0													
28.96	30.48						BQAHsch	Blk/White banded			3																													
30.48	32.00						BQAHsch	Blk/White banded		1	2					2	1		34.0	60	70				0	1.0												
30.83	32.10	113143	core	<.03			BQAHsch	Blk/White banded																															

HOLE : 96-242C

From (m)	To (m)	Sample #	Type	1AT AA	Met. 1	Met. 2	Lithology	Colour	Fe Ox	Ser	Chl	Clay	Cb	Altn Oth	Int	# Vns	Vn Type	Max Vn	Tot Vns	Maj Ang	Min Ang	Max Selv	Selv Altn	Int	Ox. State	Py %	Po %	Cpy %	Aspy %	BIS %	Sph %	Mo %	VG %	Oth Sx	FeOx %	Scor %	BIO %	Oth Ox
32.00	33.53						BQAHsch	Blk/White banded			3	2				2	1	3.0	6.0	70					0													
33.53	35.05						BQAHsch	Blk/White banded			3																												
35.05	36.27						BQAHsch	Blk/White banded			4																												

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-242C**
SECTION : GT96-13

AZIMUTH :
DIP : -90.0
METERS : 36.3
NORTH : 7,100,822.8
EAST : 459,864.6
ELEV. : 904.1

Logged By : D. Christie

1996 GEOTECHNICAL LOG

From (m)	To (m)	Length (m)	Reco (m)	very %	RQD (m)	RQD %	Max (m)	Min (m)	Hard -ness	Degree o f Breakage	Degree of Wx	Major Angle	Minor Angle	# Joints	Joint Roughnes	Joint Filling	Fabric Type	Fabric Angle	Fabric Planes	Comments
0.00	1.52	1.52	0.03	2 %	0.00	0 %	0.00	0	4	4	MW			4	I,S	Fx/Qtz/Chl				Overburden: core loss sand
1.52	3.05	1.52	0.06	4 %	0.00	0 %	0.00	0	4	4	MW			3	I,S	Fx/Qtz/Chl/Ser				SAND
3.05	3.35	0.30	0.03	10 %	0.00	0 %	0.03	0	4	4	MW			0	I,S	Fx/Qtz/Chl/Ser				
3.35	3.66	0.30	0.08	26 %	0.00	0 %	0.07	0	3	4	MW			5	I,S	Fx/Qtz/Chl/Ser				1cm crushed rbl zn (qtz)
3.66	4.11	0.46	0.17	37 %	0.00	0 %	0.06	0	4	6	MW			3	I,S	Fx/Qtz/Chl/Ser				
4.11	5.79	1.68	0.18	11 %	0.10	6 %	0.10	0	4	7	MW			2	U,S	Fx/Qtz/Chl				
5.79	7.32	1.52	0.00	0 %	0.00	0 %	0.00	0	0	0										NO RECOVERY
7.32	8.84	1.52	0.57	37 %	0.00	0 %	0.02	0	3	6	MW	50		50	U,S	Fx/Qtz/Chl/Cb				25cm rbl
8.84	10.36	1.52	0.41	27 %	0.00	0 %	0.04	0	3	6	MW	70		23	P,S	Fx/Qtz/Chl/Cb	SCH	70	10	10cm rbl
10.36	11.89	1.52	0.65	43 %	0.00	0 %	0.08	0	3	6	MW	65		50	P,S	Fx/Qtz/Chl/Cb	SCH	65	4	25cm rbl
11.89	13.41	1.52	1.32	87 %	0.39	26 %	0.15	0	3	9	MW	60		65	P,S	Fx/Qtz/Chl/Cb/Cl	SCH	60	5	25cm rbl / 3x3cm cl go
13.41	14.94	1.52	1.41	93 %	0.20	13 %	0.10	0	3	8	MW	65		32	P,S	Fx/Qtz/Chl/Cb/Cl	SCH	65	3	3x3cm rbl/crush zns
14.94	16.46	1.52	1.13	74 %	0.37	24 %	0.13	0	3	9	SW	75		26	P,S	Fx/Qtz/Chl/Cb/Cl	SCH	75	7	
16.46	17.98	1.52	1.57	03 %	0.51	33 %	0.17	0	3	9	SW	60		22	P,S	Fx/Qtz/Chl/Cb/Cl	SCH	65	3	4cm qtz vn
17.98	19.51	1.52	1.44	94 %	1.12	73 %	0.32	0	3	12	FS	60		10	P,S	Chl/Cb/Qtz	SCH	60	2	
19.51	21.03	1.52	1.59	04 %	0.84	55 %	0.13	0	3	10	SW	65		19	P,S	Chl/Cb/Qtz/Cl	SCH	65	3	Some clay infill/ 5cm crush w/ go
21.03	22.56	1.52	1.38	91 %	0.71	47 %	0.21	0	3	10	SW	55		17	P,S	Chl/Cb/Qtz/Cl	SCH	55	3	
22.56	24.08	1.52	1.34	88 %	0.71	47 %	0.24	0	3	11	SW	55		21	P,S	Chl/Cb/Qtz/Cl	SCH	55	7	
24.08	25.60	1.52	1.41	93 %	1.37	90 %	0.29	0	4	12	FS	55		8	P,S	Chl/Cb/Qtz/Cl	SCH	40	3	20cm qtz seam
25.60	27.13	1.52	1.52	00 %	1.11	73 %	0.27	0	4	12	FS	70		12	P,S	Chl/Cb/Qtz/Cl	SCH	65	7	5cm qtz seam
27.13	28.65	1.52	1.34	88 %	0.74	49 %	0.24	0	4	11	FS	70		12	P,S	Chl/Cb/Qtz	SCH	70	1	
28.65	30.18	1.52	1.57	03 %	1.27	83 %	0.27	0	4	12	FS	70		9	P,S	Chl/Cb/Qtz	SCH	70	5	
30.18	31.70	1.52	1.48	97 %	1.29	85 %	0.28	0	5	12	FR	70		8	P,S	Chl/Cb/Qtz	SCH	50	7	2x16cm qtz vns
31.70	33.22	1.52	1.41	93 %	0.96	63 %	0.22	0	4	11	SW	70		77	P,S	Chl/Cb/Qtz/Cl	SCH	70	5	20cm cl go / 1cm cl go
33.22	34.75	1.52	1.45	95 %	0.68	45 %	0.23	0	3	11	FS	70		21	P,S	Chl/Cb/Qtz/Cl	SCH	85	41	1cm cl go
34.75	36.27	1.52	1.19	78 %	0.26	17 %	0.15	0	3	10	FS	67		30	P,S	Chl/Cb/Qtz/Cl	SCH	75	8	

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-242C**
Geotech # : GT96-13

AZIMUTH : NORTH : **7,100,822.8**
DIP : **-90.0** EAST : **459,864.6**
METERS : **36.3** ELEV. : **904.1**

Sample	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	Fire Assay	Metallic1	Metallic2	Type	Cert. #
113139	15.2	16.3	50	54		<.03			core	9 634 909
113140	17.0	17.7	56	58		<.03			core	9 634 909
113141	25.3	25.9	83	85		<.03			core	9 634 909
113142	26.8	27.7	88	91		<.03			core	9 634 909
113143	30.8	32.1	101	105		<.03			core	9 634 909

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-243C**
SECTION : **GT96-11**

AZIMUTH : NORTH : **7,100,810.9**
DIP : **-90.0** EAST : **460,200.4**
METERS : **56.1** ELEV. : **995.7**

Logged By : L. Gourdine

Unit	From (m)	To (m)	Lithology	Heading	Capsule	Description
A	0.00	1.50	100% CORE LOSS	STRUC		
A	1.50	9.10	BQAH SCHIST	STRUC	60% core loss	**LITH:** 80% BQAH schist, 20% bio/qtz schist w. 30-35% qtz lensing and laminations **STRUC:** 70% ang to sub-rounded ≤ 5cm rbl, 30% v BC, avg 10cm, 60% core loss **WX:** Pervasive FeOx 3-4, oxid throughout rock fabric, FeOx 5 on most frac surf **ALTN:** Appears to have no pervasive altn however altn may be overprinted by oxid **VNING:** 1 qtz vn ~ 30-35cm, cannot distinguish upper and lower contacts due to BC, no visible se **LC:** Gradational
C	7.95	8.38		VN		Sample 113144M, 30-35cm milky wht qtz vn, cannot distinguish Upper & Lower ctcs, no visible sulfides
A	9.10	32.40	BIO-QTZ SCHIST TO PHYLLITE	LITH	FeOx(1-3)	**LITH:** 70-80% vfg blk bio xls, 20-30% wht to wht gry **STRUC:** Mod fol'd 55-70% to CA, schistocity v accentuated in places w/ wavy banding, possibly phyllite, overall unit schist to phyllite, mod BC w/ 5-10% core loss **WX:** FeOx 1-3, ~20% w/ FeOx 5 on frac surf, places of lower oxid have preferential oxid along cracks, fissures and folia **ALTN:** Isolated clots of chl xls 1-3mm in diam, elongated following foln **VNING:** ~1 vn/m, milky wht avg 0.6-1.0cm w tr sx, 60-75° to CA **LC:** Gradational
B	10.10	11.10		LITH	1.0m Qtz-Bio-schist	W/ tr chl altn, 1mm resorbed feldspar xtls (?)
C	10.67	11.11		STRUC		Smpl 113145M; 1x3.9cm qtz/kspar vn, no visible sx, rusty white
B	12.60	1.00		WX	Quartzite, FeOx(4)	W/ discontinous qtz stringers which pinch out, Smpl 113146
C	19.81	21.34		VN		Smpl 113147M; 1x30cm qtz vn w/ wall rock, 1x2.3cm qtz vn, 5x <1.0cm qtz vn, no visible sx
C	24.38	25.91		VN		Smpl 113148M; 1x15.0cm, 2x<7cm milky white qtz vns, no visible sx
C	25.91	27.43		VN		Smpl 113149M; 1x13.0cm, 1x8.0cm, 1x7.0cm, 1x2.2cm qtz vns milky white, no visible sx

HOLE : **96-243C**

Unit	From (m)	To (m)	Lithology	Heading	Capsule	Description
C	29.34	29.87		VN		Smpl 113150M; 1x13.8cm milky white qtz vn, 60° to CA, no visible sx
B	29.90	30.20		STRUC	35cm core loss	
B	31.00	32.40		STRUC/ALTN	Chl(3)	Chl(3) altn, altn occurs in banding, following qtz and andalusite foliation
A	32.40	46.70	BIO-QTZ-SCHIST	WX	FeOx (2-4)	**LITH:** 70-75% fg bio xls, 25-30% gry wht qtz sweats, blebs and laminations **WX:** Overall FeOx 1-3, preferential oxid along foliation w/ FeOx 4-5 on 50-60% of frac surf **ALTN:** No pervasive altn, however isolated chl clots ≤ 5mm **VNING:** ≤ 1 vn/m, milky wht qtz, avg 0.5-1.0cm, 15-30° to CA or 60-70° to CA **STRUC:** Mod to str fol'd 60-70° to CA, 60% mod BC, 40% wkly BC, multiple folia/cm **LC:** Gradational
C	36.80	37.37		VN		Smpl 113151; 1x1.9cm white qtz vn 30° to CA w/ 3% aspy w/ a star configuration
B	44.50	46.70		ALTN	Ser(3), Chl(2)	70% bio consumed, lt green w/ md green banding, scratches easily
C	44.62	45.42		VN		Smpl 113152M;1x15.0 cm milky white qtz vn w/ wallrock clots, no visible sx @ 40° to CA
A	46.70	56.08	BIO-QTZ SCHIST	ALTN	Ser(3-5), 15-20% core loss	**LITH:** Completely alt'd bio/qtz schist, DAP 32.4-46.7 except **ALTN:** Pervasive ser 3-5 altn, bio completely consumed **WX:** FeOx 0, no oxid of frac surfaces **VNING:** 1-2 vn/m qtz wht/pale grn w/ aspy & py throughout vns and along folia **STRUC:** 90% str BC, 10% mod BC, mod to str foln 60-85° to CA, 15-20% core loss
B	46.70	48.80		STRUC	FeOx(1-2)	Localized ox at or near frac planes
B	50.00	50.70		STRUC/ALTN	70cm clay go zone, Ser(5)	Smpl # 113154M
C	50.70	51.51		STRUC		Smpl 113155M; smpl of A unit 46.7-56.08 w/ sx in rock fabric & vning
C	51.82	53.34		STRUC		Smpl 113156M; DAP
C	53.34	54.86		STRUC		Smpl 113157M; DAP
C	54.86	56.08		STRUC		Smpl 113158M; DAP
A	56.10	56.10	E.O.H.			

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-243C**
SECTION : **GT96-11**

AZIMUTH :
DIP : **-90.0**
METERS : **56.1**
NORTH : **7,100,810.9**
EAST : **460,200.4**
ELEV. : **995.7**

Logged By: **L. Gourdine**

1996 CORE HOLE VEIN SUMMARY

From (m)	To (m)	Sample #	Type	1AT AA	Met. 1	Met. 2	Lithology	Colour	Fe Ox	Ser	Chl	Clay	Cb	Altn Oth	Int	# Vns	Vn Type	Max Vn	Tot Vns	Maj Ang	Min Ang	Max Selv	Selv Altn	Int	Ox. State	Py %	Po %	Cpy %	Aspy %	BiS %	Sph %	Mo %	VG %	Oth Sx	FeOx %	Scor %	BiO %	Oth Ox
1.52	3.05						BQAHsch	Blk/White banded	4																													
3.05	4.57						BQAHsch	Blk/White banded	3																														
4.57	6.10						BQAHsch	Blk/White banded	3																														
6.10	7.62						BQAHsch	Blk/White banded	3			1																										
7.62	9.14						BQAHsch	Blk/White banded	3							1	1								0												
7.95	8.38	113144	core	<.03			BQAHsch	Blk/White banded																														
9.14	10.67						BQphyllite	Blk/White banded	3																														
10.67	12.19						BQphyllite	Blk/White banded	3							2	2	3.9	4.9	55					0												
10.67	11.11	113145	core	<.03			BQphyllite	Blk/White banded																														
12.19	13.72						BQphyllite	Blk/White banded	4																														
13.72	15.24	113146	core	<.03			BQphyllite	Blk/White banded	4																														
15.24	16.76						BQphyllite	Blk/White banded	2							5	1	1.4	5.3	50	10				0												
16.76	18.29						BQphyllite	Blk/White banded	1							2	1	1.3	1.8	55					0												
18.29	19.81						BQphyllite	Blk/White banded	3							1	1	0.7	0.7	60					0												
19.81	21.34	113147	core	<.03			BQphyllite	Blk/White banded	2							7	1		35.8	70	60				0												
21.34	22.86						BQphyllite	Blk/White banded	2			1				2	1	3.5	5.5	65					0												
22.86	24.38						BQphyllite	Blk/White banded	3							2	1	3.1	4.4	65					0												
24.38	25.91	113148	core	<.03			BQphyllite	Blk/White banded	3		1					3	1	15.0	21.8	80					0												
25.91	27.43	113149	core	<.03			BQphyllite	Blk/White banded	3			1				4	1	13.0	30.2	70					0												
27.43	28.96						BQphyllite	Blk/White banded	3		1																											
28.96	30.48						BQphyllite	Blk/White banded	2							1	1	13.8	13.8	60					0												
29.34	29.87	113150	core	<.03			BQphyllite	Blk/White banded																														
30.48	32.00						BQphyllite	Blk/White banded	1		3																											

HOLE : 96-243C

From (m)	To (m)	Sample #	Type	1AT AA	Met. 1	Met. 2	Lithology	Colour	Fe Ox	Ser	Chl	Clay	Cb	Altn Oth	Int	# Vns	Vn Type	Max Vn	Tot Vns	Maj Ang	Min Ang	Max Selv	Selv Altn	Int	Ox. State	Py %	Po %	Cpy %	Aspy %	BIS %	Sph %	Mo %	VG %	Oth Sx	FeOx %	Scor %	BIO %	Oth Ox
32.00	33.53						BQschist	Blk/White banded	2		3																												
33.53	35.05						BQschist	Blk/White banded	2																																
35.05	36.58						BQschist	Blk/White banded	2							1	1	0.7	0.7	12					0															
36.58	38.10						BQschist	Blk/White banded	2							1	1	1.9	1.9	30					1				3.0										
36.80	37.37	113151	core	0.13			BQschist	Blk/White banded																															
38.10	39.62						BQschist	Blk/White banded	2							1	2	0.3	0.3	12					0															
39.62	41.15						BQschist	Blk/White banded	1							2	1	1.8	2.9	70					0															
41.15	42.67						BQschist	Blk/White banded	3																																
42.67	44.20						BQschist	Blk/White banded	2			1				1	1	1.1	1.1						0															
44.20	45.72						BQschist	Blk/White banded	2	3	2					1	1	15.0	15.0	40																				
44.62	45.42	113152	core	<.03			BQschist	Blk/White banded																															
45.72	47.24						SerBQsch	Grey-blk/wh banded	1	3	2					4	1	1.5	3.5	70					0				0.1										
47.24	48.77						SerBQsch	Grey-blk/wh banded	2	3						1	1	2.7	2.7						0				20.0										
48.46	50.00	113153	core	0.18			SerBQsch	Grey-blk/wh banded																															
48.77	50.29						SerBQsch	Grey-blk/wh banded		4		2				1	1	0.3	0.3	45					0				20.0										
50.00	50.70	113154	core	0.09			SerBQsch	Grey-blk/wh banded																															
50.29	51.82						SerBQsch	Grey-blk/wh banded		5		3				4	1	1.6	4.3	85					0	0.3			1.0										
50.70	51.51	113155	core	0.04			SerBQsch	Grey-blk/wh banded																															
51.82	53.34	113156	core	0.04			SerBQsch	Grey-blk/wh banded		4																													
53.34	54.86	113157	core	0.03			SerBQsch	Grey-blk/wh banded		4						1	1	0.8	0.8	85					0				0.5										
54.86	56.08						SerBQsch	Grey-blk/wh banded		4						1	1	0.7	0.7						0				0.3										

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-243C**
SECTION : GT96-11

AZIMUTH : NORTH : 7,100,810.9
DIP : -90.0 EAST : 460,200.4
METERS : 56.1 ELEV. : 995.7

Logged By : D. Christie, D. Loik

1996 GEOTECHNICAL LOG

From (m)	To (m)	Length (m)	Reco (m)	very %	RQD (m)	RQD %	Max (m)	Min (m)	Hard -ness	Degree o f Breakage	Degree of Wx	Major Angle	Minor Angle	# Joints	Joint Roughnes	Joint Filling	Fabric Type	Fabric Angle	Fabric Planes	Comments
0.00	1.52	1.52	0.00	0 %	0.00	0 %	0.00	0												
1.52	2.74	1.22	0.60	49 %	0.00	0 %	0.04	0		6	MW			27	I,R	Fx/Cb/Cl				3' core loss - metaseds, phyllite
2.74	4.27	1.52	0.50	33 %	0.00	0 %	0.05	0	2	6	MW			25	I,R	Fx/Cb				2'4" core loss - metaseds
4.27	5.79	1.52	0.49	32 %	0.00	0 %	0.00	0		5	MW			20	I,R	Fx/Cb				Bedrock @ 20' , 3'8" core loss
5.79	7.32	1.52	1.07	70 %	0.25	16 %	0.15	0	2	9	MW	84		25	C,S	Fx/Cb/tr.Cl/Qtz				10cm rbl @ top of run; 2x5cm finely crushed rock zns
7.32	8.84	1.52	0.70	46 %	0.13	9 %	0.13	0	3	7	MW			21	I,R	Fx/Cbl/Qtz/Chl				24cm qtz; tr. cl; tr. chl
8.84	9.45	0.61	0.64	05 %	0.00	0 %	0.09	0	2	6	MW			19	I,R	Fx/Cb/Qtz				
9.45	10.36	0.91	0.97	06 %	0.33	36 %	0.23	0	3	10	MW	79		18	P,R	Fx/Cb				
10.36	11.89	1.52	1.36	89 %	0.39	26 %	0.18	0	2	9	MW	81		23	P,R	Fx/Cb/Qtz/Ser				20cm highly frac'd zn @ 41.5
11.89	13.41	1.52	1.44	94 %	0.30	20 %	0.18	0	3	9	MW	62		15	P,R	Fx/Cb/Qtz				
13.41	14.94	1.52	1.38	91 %	0.56	37 %	0.17	0	3	10	MW	69		26	P,S	Fx/Cb/Qtz				
14.94	16.46	1.52	1.37	90 %	0.59	39 %	0.20	0	2	10	MW	57		18	P,S	Fx/Cb				
16.46	17.98	1.52	1.49	98 %	0.47	31 %	0.18	0	2	9	MW	61	69	21	P,S	Fx/Cb				
17.98	19.51	1.52	1.50	98 %	0.27	18 %	0.14	0	2	9	MW	56	65	33	C,S	Fx/Cb/Se/Cl				
19.51	21.03	1.52	1.52	00 %	0.63	41 %	0.20	0	2	10	MW	66		31	C,S	Fx/Cb/Se/Qtz				Sand, tr. cl holes
21.03	22.56	1.52	1.34	88 %	0.77	51 %	0.22	0	2	10	MW	73		17	P,S	Fx/Cb/Se/Qtz				
22.56	24.08	1.52	1.39	91 %	0.27	18 %	0.13	0	2	9	MW	61		34	P,S	Fx/Cb/Se/Qtz				Trace cl
24.08	25.30	1.22	1.02	84 %	0.11	9 %	0.11	0	2	7	MW	72		28	C,S	Fx/Cb/Qtz				
25.30	26.82	1.52	1.53	00 %	0.27	18 %	0.14	0	2	7	MW	66		24	P,S	Fx/Cb/Qtz/Cl				
26.82	28.35	1.52	1.53	00 %	0.57	37 %	0.27	0	2	10	MW	69		17	P,S	Fx/Cb/Qtz/Cl				
28.35	29.87	1.52	1.55	02 %	0.61	40 %	0.20	0	3	10	MW	60		27	P,S	Fx/Cb/Qtz/Cl/Chl	SCH	85	7	12cm qtz vn / clay inseams
29.87	30.78	0.91	0.69	75 %	0.27	30 %	0.16	0	3	9	MW	75		25	P,S	Fx/Cb/Qtz/Cl/Chl	SCH	80	5	10cm crush zn / 1cm HW crush zn w/ Px
30.78	31.70	0.91	1.02	12 %	0.48	52 %	0.24	0	3	9	MW	71		15	P,S	Fx/cb/Qtz/Cl/Chl	SCH	79	2	2x1cm crush zn w/ cl go + Px
31.70	33.22	1.52	1.56	02 %	0.86	56 %	0.37	0	3	12	MW	70	25	13	P,S	Fx/Cb/Chl/Px	SCH	75	7	
33.22	34.75	1.52	1.55	02 %	0.44	29 %	0.17	0	3	10	MW	50		20	P,S	Fx/Cb/Chl/Px	SCH	79	7	
34.75	36.27	1.52	1.53	00 %	0.26	17 %	0.26	0	3	9	MW	65		27	P,S	Fx/Cb/Chl/Px	SCH	65	6	
36.27	37.80	1.52	1.47	96 %	1.26	83 %	0.33	0	3	12	MW	70		10	P,S	Fx/Cb/Chl/Qtz/Sx	SCH	70	7	12cm qtz vn
37.80	39.32	1.52	1.58	04 %	1.28	84 %	0.45	0	3	13	SW	75		14	P,S	Fx/Cb/Chl/Qtz/Sx	SCH	73	11	15cm brkn core zn
39.32	40.84	1.52	1.50	98 %	1.28	84 %	0.35	0	3	12	FS	73		8	P,S	Fx/Cb/Chl/Qtz/Sx	SCH	73	9	
40.84	42.37	1.52	1.54	01 %	1.17	77 %	0.30	0	3	12	FS	45		16	P,S	Fx/Cb/Chl/Qtz/Sx	SCH	65	3	25cm brkn core
42.37	43.89	1.52	1.23	81 %	0.54	35 %	0.42	0	3	11	SW	70		35	P,S	Fx/Cb/Chl/Qtz/Sx	SCH	60	5	2x10cm crush w/ cl go zn
43.89	45.42	1.52	1.55	02 %	1.22	80 %	0.35	0	3	12	MW	70		20	P,S	Fx/Cb/Chl/Qtz/Sx	SCH	80	7	20cm qtz vn / 1x12 HW cl crush go zn
45.42	46.33	0.91	0.67	73 %	0.49	54 %	0.19	0	3	11	FS	60		6	P,S	Fx/Cb/Chl/Qtz/Sx	SCH	55	4	
46.33	46.94	0.61	0.59	97 %	0.38	62 %	0.17	0	3	11	FS	71		7	P,S	Fx/Chl/Cb/Qtz	SCH	75	1	
46.94	48.46	1.52	1.45	95 %	1.00	66 %	0.23	0	3	11	FS	72		17	P,S	Fx/Chl/Cb/Qtz	SCH	69	2	2x5cm crush zns

HOLE : 96-243C

From (m)	To (m)	Length (m)	Reco (m)	very %	RQD (m)	RQD %	Max (m)	Min (m)	Hard -ness	Degree o f Breakage	Degree of Wx	Major Angle	Minor Angle	# Joints	Joint Roughnes	Joint Filling	Fabric Type	Fabric Angle	Fabric Planes	Comments
48.46	49.99	1.52	0.92	60 %	0.00	0 %	0.09	0	2	6	HW	57		100	P,S	Fx/Chl/Cb/Cl	SCH	55	4	Mostly cl go
49.99	51.51	1.52	1.55	02 %	0.14	9 %	0.14	0	1	4	EW			100	I,S	Cl/Cb/Chl				1st half clay go / last HW w/ cl go
51.51	53.04	1.52	0.71	47 %	0.00	0 %	0.05	0	3	4	HW			100	I,S	Cb/Chl				30cm fine rbl
53.04	54.56	1.52	0.87	57 %	0.14	9 %	0.14	0	2	6	HW			50	I,S	Cb/Chl				2x25cm crushed
54.56	56.08	1.52	1.28	84 %	0.43	28 %	0.16	0	3	10	MW	70		27	P,S	Cb/Chl	SCH	70	9	

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-243C**
Geotech # : GT96-11

AZIMUTH :
DIP : **-90.0**
METERS : **56.1**
NORTH : **7,100,810.9**
EAST : **460,200.4**
ELEV. : **995.7**

Sample	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	Fire Assay	Metallic1	Metallic2	Type	Cert. #
113144	8.0	8.4	26	27		<.03			core	9 634 909
113145	10.7	11.1	35	36		<.03			core	9 634 909
113146	13.7	15.2	45	50		<.03			core	9 634 909
113147	19.8	21.3	65	70		<.03			core	9 634 909
113148	24.4	25.9	80	85		<.03			core	9 634 909
113149	25.9	27.4	85	90		<.03			core	9 634 909
113150	29.3	29.9	96	98		<.03			core	9 634 909
113151	36.6	37.4	120	123		0.13			core	9 634 909
113152	44.6	45.4	146	149		<.03			core	9 634 909
113153	48.5	50.0	159	164		0.18			core	9 634 909
113154	50.0	50.7	164	166		0.09			core	9 634 909
113155	50.7	51.5	166	169		0.04			core	9 634 909
113156	51.8	53.3	170	175		0.04			core	9 634 909
113157	53.3	54.9	175	180		0.03			core	9 634 909
113158	54.9	56.1	180	184		<.03			core	9 634 909

1996 ASSESSMENT REPORT

APPENDIX IV

HOLE 96-244R

GEOLOGICAL DRILL LOG
+
AU ASSAY RESULTS

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-244R**
SECTION : **MW96-01**

AZIMUTH : N/A
DIP : -90.0
METERS : 50.3
NORTH : 7,100,789.2
EAST : 463,852.0
ELEV. : 1,397.7

1996 REVERSE CIRCULATION DRILL LOG

Sample	Type	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	1AT AA	Met 1	Met 2	Time	Lithology	Colour	Ser	Chl	Clay	Altn Oth	Int Oth	Mafic Int	Fe Ox	FeOx %	HCl Fines	Fines %	Vns %	Vein Color	Sx visual	Sx panned	Geological Comments	Water Flow	Add rod	Drill Comments
124225	RC	0.00	1.52	0	5	9.2	<.03																							Did not collect fines because sieve size too small
124226	RC	1.52	3.05	5	10	9.88	<.03				Metaseds	Rusty			1				5	100							Clay coated frags			
124227	RC	3.05	4.57	10	15	11.28	0.04				Metaseds	Rusty			1				5	100			2.0	1			Clay coated frags			
124228	RC	4.57	6.10	15	20	5.76	<.03				Metaseds	Rusty			1				5	100			5.0	1			Clay coated frags			
124229	RC	6.10	7.62	20	25	5.86	<.03				Metaseds	Rusty			1				5	100			7.0	1			Clay coated frags			
124230	RC	7.62	9.14	25	30	6	0.1				Metaseds	Rusty			1				4	80			15.0	1			5% clay balls			
124231	RC	9.14	10.67	30	35	4.92	<.03				Metaseds	Rusty			2				4	80			8.0	1			20% clay balls			
124232	RC	10.67	12.19	35	40	3.94	<.03				Metaseds	Rusty			3				5	100			2.0	1			40% clay balls			
124233	RC	12.19	13.72	40	45	7.18	<.03				Metaseds	gr/blk w/rusty	3						2	30							30% str.ser altn frags			
124234	RC	13.72	15.24	45	50	5	<.03				Metaseds	blk w/pale wht grn	2														15-20% str. ser altn frags			
124235	RC	15.24	16.76	50	55	7.26	0.03				Metaseds	blk w/grn	2										3.0	2			15% ser 4 altn			
124236	RC	16.76	18.29	55	60	5.54	<.03				Metaseds	blk											1.0	1						
124237	RC	18.29	19.81	60	65	6.64	<.03				Metaseds	blk w/30% pale grn	2										1.0	1						
124238	RC	19.81	21.34	65	70	6.6	<.03				Metaseds	V. pale grn/wht	5														Dust/powder very fine + pale grn			
124239	RC	21.34	22.86	70	75	6.58	<.03				Metaseds	V. pale grn/wht	5														Dust/powder very fine + pale grn, 2% unalt'd seds			
124240	RC	22.86	24.38	75	80	10.1	0.17				Metaseds	greenish blk	3	2									3.0	2						
124241	RC	24.38	25.91	80	85	11.32	<.03				Metaseds	dk.grn blk w/pale grn	2	3													Rock dust dk grn color			
124242	RC	25.91	27.43	85	90	2.04	<.03				Metaseds	blk w/40%dk. grn		3									1.0	2			Dust dk grn/gry			
124243	RC	27.43	28.96	90	95	12.62	<.03				Metaseds	blk w/40%dk. grn		3													1% chip w/ ser altn			
124244	RC	28.96	30.48	95	100	22.6	<.03				Metaseds	blk w/30%dk. grn		3									1.0	1						
124245	RC	30.48	32.00	100	105	9.18	<.03				Metaseds	Dk. gry		1									1.0	1			1% chl 3-5 chips			Did not collect fines
124246	RC	32.00	33.53	105	110	6.86	<.03				Metaseds	Med. gry grn	2										5.0	1						

HOLE : 96-244R

Sample	Type	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	1AT AA	Met 1	Met 2	Time	Lithology	Colour	Ser	Chl	Clay	Altn Oth	Int Oth	Mafic Int	Fe Ox	FeOx %	HCl Fines	Fines %	Vns %	Vein Color	Sx visual	Sx panned	Geological Comments	Water Flow	Add rod	Drill Comments
124247	RC	33.53	35.05	110	115	11.22	<.03				Metaseds	Dk.gry w/25%dk. grn		2							3		7.0	1			25% chips chl 3-4			
124248	RC	35.05	36.58	115	120	7.4	<.03				Metaseds	Dk.grn		4							4		5.0	1	1pyrite					
124249	RC	36.58	38.10	120	125	12.58	<.03				Metaseds	Dk.grn		5							4		2.0	1			Very str. chl altn			
124250	RC	38.10	39.62	125	130	5.3	<.03				Metaseds	Dk.grn		5							5						Very str. chl altn			
124251	RC	39.62	41.15	130	135	5.22	<.03				Metaseds	Dk.grn		5							5						Very str. chl altn			
124252	RC	41.15	42.67	135	140	4.44	<.03				Metaseds	Dk.grn		5							5						Very str. chl altn			
124253	RC	42.67	44.20	140	145	4.48	<.03				Metaseds	Dk.grn		5		1Cb			1	30	5						Cb altn on some frac. sfcs			
124254	RC	44.20	45.72	145	150	4.78	<.03				Metaseds	Dk.grn		3		1Cb					5		1.0	1	2moly		Cb altn on some frac. sfcs			
124255	RC	45.72	47.24	150	155	7.8	<.03				Metaseds	Dk. gry grn		2							5		2.0	2	3pyrite					
124256	RC	47.24	48.77	155	160	9.46	<.03				Metaseds	Grn dk gry	3	2							5		3.0	1	5pyrite		60% chips show ser altn 3-4			
124257	RC	48.77	50.29	160	165	11.08	<.03				Metaseds	Grn dk gry	2	2							3		2.0	1	2pyrite					

NEW MILLENNIUM MINING LTD.
DUBLIN GULCH PROJECT

HOLE : **96-244R**
SECTION : MW96-01

AZIMUTH : NORTH : **7,100,789.2**
DIP : **-90.0** EAST : **463,852.0**
METERS : **50.3** ELEV. : **1,397.7**

Sample	From (m)	To (m)	From (ft)	To (ft)	Wt. (kg)	Fire Assay	Metallic1	Metallic2	Type	Cert. #
124225	0.0	1.5	0	5	9.2	<.03			RC	9 636 484
124226	1.5	3.0	5	10	9.88	<.03			RC	9 636 484
124227	3.0	4.6	10	15	11.28	0.04			RC	9 636 484
124228	4.6	6.1	15	20	5.76	<.03			RC	9 636 484
124229	6.1	7.6	20	25	5.86	<.03			RC	9 636 484
124230	7.6	9.1	25	30	6	0.1			RC	9 636 484
124231	9.1	10.7	30	35	4.92	<.03			RC	9 636 484
124232	10.7	12.2	35	40	3.94	<.03			RC	9 636 484
124233	12.2	13.7	40	45	7.18	<.03			RC	9 636 484
124234	13.7	15.2	45	50	5	<.03			RC	9 636 484
124235	15.2	16.8	50	55	7.26	0.03			RC	9 636 484
124236	16.8	18.3	55	60	5.54	<.03			RC	9 636 484
124237	18.3	19.8	60	65	6.64	<.03			RC	9 636 484
124238	19.8	21.3	65	70	6.6	<.03			RC	9 636 484
124239	21.3	22.9	70	75	6.58	<.03			RC	9 636 484
124240	22.9	24.4	75	80	10.1	0.17			RC	9 636 484
124241	24.4	25.9	80	85	11.32	<.03			RC	9 636 484
124242	25.9	27.4	85	90	2.04	<.03			RC	9 636 484
124243	27.4	29.0	90	95	12.62	<.03			RC	9 636 484
124244	29.0	30.5	95	100	22.6	<.03			RC	9 636 484
124245	30.5	32.0	100	105	9.18	<.03			RC	9 636 484
124246	32.0	33.5	105	110	6.86	<.03			RC	9 636 484
124247	33.5	35.1	110	115	11.22	<.03			RC	9 636 484
124248	35.1	36.6	115	120	7.4	<.03			RC	9 636 484
124249	36.6	38.1	120	125	12.58	<.03			RC	9 636 484
124250	38.1	39.6	125	130	5.3	<.03			RC	9 636 484
124251	39.6	41.1	130	135	5.22	<.03			RC	9 636 484
124252	41.1	42.7	135	140	4.44	<.03			RC	9 636 484
124253	42.7	44.2	140	145	4.48	<.03			RC	9 636 484
124254	44.2	45.7	145	150	4.78	<.03			RC	9 636 484
124255	45.7	47.2	150	155	7.8	<.03			RC	9 636 484
124256	47.2	48.8	155	160	9.46	<.03			RC	9 636 484
124257	48.8	50.3	160	165	11.08	<.03			RC	9 636 484

1996 ASSESSMENT REPORT

APPENDIX V

CLAY DEPOSIT EXPLORATION
AUGER DRILLHOLE LOGS

TH96-01
TH96-02
TH96-03
TH96-04
TH96-05
GT96-41
GT96-42
GT96-44
GT96-46
GT96-38
GT96-39
GT96-40
GT96-43
GT96-45
GT96-47
GT96-48
GT96-49
GT96-50
GT96-51

SITKA CORP.

SHEET NO. : 1 of 4
GEOLOGIC LOG OF DRILL HOLE NO. : GT96-11

CLIENT: NEW MILLENIUM MINING	JOB NO. : I92.1.3
PROJECT: "DUBLIN GULCH / MAYO, YUKON"	DATE HOLE STARTED: FINISHED :
LOCATION: EAGLE PUP WASTE STORAGE AREA	DATUM:
DIRECTION BEARING: DIP: 90 VERTICAL: X	ELEVATION: 995.6 meters
BEDROCK CORED: 50 meters	COORDINATES: N 7100811 / E 460200
TOTAL DEPTH OF HOLE: 56.08 meters	ELEV. TOP OF ROCK:
MANUFACTURER'S DRILL DESIGNATION:	ELEV. BOTTOM OF ROCK:
DRILLING CONTRACTOR: "ADVANCED DRILLING, WHITEHORSE"	DRILLING METHOD SOIL: TRICONED ROCK: HQ3
LOGGED BY: L. GOURDINE DATE: 8/16/96	FLUID: REVERT CASED TO: 1.5 meters
VERTICAL SCALE:	NOTES: FDM BOREHOLE NUMBER 96-243C

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT, D - DISCONT, B - BEDDING, S - SHEAR ZONE, N - INFILLED JOINT; DIP ANGLE 30 60	STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	R.Q.D % 25 50 75
1		Overburden; No recovery							
2		RUBBLE (overburden); angular to subround, fragments 80% biotite-quartz-andalustie hornfelsic schist; 20% biotite-quartz schist; w/ pervasive FeOx.							
3									
4									
5									
6									
7		BIOTITE-QUARTZ SCHIST; grades to phyllitic locally; moderately weathered with oxidation to FeOx 4 strongest along fractures, isolated chlorite alteration along foliation, moderately foliated 55-70 deg to C/A with wavy banding. Moderately to highly fractured (5 to 15 cm spacing), weak to medium strong rock (R2 to R3). Common quartz veins to 1 cm, some to 20 cm.							
8									
9									
10									
11									
12									
13		QUARTZITE; highly oxidized (FeOx 4), with pervasive quartz veining, medium hard (R3).							
14									
15									

(Continued)

SITKA CORP.

SHEET NO. : 2 of 4
GEOLOGIC LOG OF DRILL HOLE NO. : GT96-11

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT D - DISCONT B - BEDDING S - SHEAR ZONE N - INFILLED JOINT; DIP ANGLE 30 60	STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	R.Q.D. % 25 50 75
16		BIOTITE-QUARTZ SCHIST; as above.							
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

(Continued)

SITKA CORP.

SHEET NO.: 3 of 4

GEOLOGIC LOG OF DRILL HOLE NO.: GT96-11

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT, D - DISCONT, B - BEDDING, S - SHEAR ZONE, N - INFILLED JOINT; DIP ANGLE 30 60	DISCONTINUITY DATA: STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	RECOVERY DATA: R.Q.D. % 25 50 75
36		@ 44.5 m. - moderate sericite/chlorite alteration to 46.7: rock is light green with medium green banding, becomes weak (R2)							
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47		BIOTITE-QUARTZ SCHIST; completely altered with pervasive sericite alteration (Ser 3-5); very broken to shattered, weak to medium strong except where altered to clay and gouge.							
48									
49		GOUGE/RUBBLE/CLAY; pale green, highly altered with pervasive sericite (Ser 4/5); clay zones to 70 cm, crushed, very weak to weak rock (R1 to R2).							
50									
51									
52									
53									
54									
55		BIOTITE-QUARTZ SCHIST; completely altered, as above.							

(Continued)

SITKA CORP.

SHEET NO. : 4 of 4

GEOLOGIC LOG OF DRILL HOLE NO. : GT96-11

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT D - DISCONT B - BEDDING S - SHEAR ZONE N - INFILLED JOINT; DIP ANGLE 30 60	DISCONTINUITY DATA: STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	RECOVERY DATA: R.Q.D. % 25 50 75
56									
		END OF HOLE							
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									

SITKA CORP.

SHEET NO. : 1 of 2
GEOLOGIC LOG OF DRILL HOLE NO. : GT96-12

CLIENT: NEW MILLENIUM MINING	JOB NO. : I92.1.3
PROJECT: "DUBLIN GULCH / MAYO, YUKON"	DATE HOLE STARTED: FINISHED :
LOCATION: SEDIMENTS POND	DATUM:
DIRECTION BEARING: DIP: 90 VERTICAL: X	ELEVATION: 902.6 meters
BEDROCK CORED: 24.35 meters	COORDINATES: N 7100788 / E 459863
TOTAL DEPTH OF HOLE: 34.75 meters	ELEV. TOP OF ROCK:
MANUFACTURER'S DRILL DESIGNATION:	ELEV. BOTTOM OF ROCK:
DRILLING CONTRACTOR: "ADVANCED DRILLING, WHITEHORSE"	DRILLING METHOD SOIL: TRICONED ROCK: HQ3
LOGGED BY: L. GOURDINE DATE: 8/15/96	FLUID: REVERT CASED TO: 10.4 meters
VERTICAL SCALE:	NOTES: FDM BOREHOLE NUMBER 96-241C

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT, D - DISCONT, B - BEDDING, S - SHEAR ZONE, N - INFILLED JOINT; DIP ANGLE 30 60	STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	R.Q.D. % 25 50 75
1		Overburden: (20% recovery); rubble/ subrounded fragments; 60% granodiorite/ 30% biotite quartz/10% quartzite, and sand							
2									
3									
4									
5									
6									
7									
8									
9									
10									
11		BIOTITE-QUARTZ-ANDALUSITE-HORNFELS SCHIST; moderately weathered, no pervasive alteration moderately to strongly fractured (2 -20 cm spacing) with some preferential fracturing along foliation, weak rock (R2); RQD generally 0 - 40%.							
12									
13									
14									
15									

(Continued)

SITKA CORP.

SHEET NO. : 2 of 2
GEOLOGIC LOG OF DRILL HOLE NO. : GT96-12

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT D - DISCONT B - BEDDING S - SHEAR ZONE N - INFILLED JOINT; DIP ANGLE 30 60	STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	R.Q.D. % 25 50 75
16									
17									
18									
19									
20									
21									
22									
23		QUARTZITE, light green, slightly to moderately weathered, moderate sericite and weak chlorite alteration; strongly foliated, weak to medium strong (R2 to R3), but more competent than schist, with RQD to 52%.							
24									
25									
26		BIOTITE -QUARTZ ANDALUSITE-HORNFELS SCHIST, as above							
27									
28		@ 26.7 m. - 90 cm weakly oxidized zone w/ 5 - 10% clay							
29									
30									
31									
32									
33									
34									
35		END OF HOLE							

SITKA CORP.

SHEET NO. : 1 of 3
GEOLOGIC LOG OF DRILL HOLE NO. : GT96-13

CLIENT: NEW MILLENIUM MINING	JOB NO. : I92.1.5
PROJECT: "DUBLIN GULCH / MAYO, YUKON"	DATE HOLE STARTED: FINISHED :
LOCATION: SEDIMENTS POND	DATUM:
DIRECTION BEARING: DIP: 90 VERTICAL: X	ELEVATION: 904.1 meters
BEDROCK CORED: 31.67 meters	COORDINATES: N 7100823 /E 459865
TOTAL DEPTH OF HOLE: 36.27 meters	ELEV. TOP OF ROCK:
MANUFACTURER'S DRILL DESIGNATION:	ELEV. BOTTOM OF ROCK:
DRILLING CONTRACTOR: "ADVANCED DRILLING, WHITEHORSE"	DRILLING METHOD SOIL: TRICONED ROCK: HQ3
LOGGED BY: L. GOURDINE DATE: 8/15/96	FLUID: REVERT CASED TO: 4.6 meters
VERTICAL SCALE:	NOTES: FDM BOREHOLE NUMBER 96-242C

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT, D - DISCONT, B - BEDDING, S - SHEAR ZONE, N - INFILLED JOINT; DIP ANGLE 30 60	DISCONTINUITY DATA: STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	RECOVERY DATA: R.Q.D. % 25 50 75
1		Overburden (15% recovery); Rubble; Sand and fragments of biotite-quartz schist (80%) quartzite (15%), and quartz veins (5%)							
2									
3									
4									
5									
6		@ 5.79 m. - 1.5 meter core loss							
7									
8									
9									
10									
11									
12									
13		BIOTITE-QUARTZ-ANDALUSITE-HORNFELS SCHIST, fresh to moderately weathered, unaltered except for slight sericite alteration along fractures, moderately to strongly foliated 50 to 70 deg to C/A, medium strong to strong (R3 /4); softer where altered along fractures;							
14									
15									

(Continued)

SITKA CORP.

SHEET NO.: 2 of 3
GEOLOGIC LOG OF DRILL HOLE NO.: GT96-13

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT, D - DISCONT, B - BEDDING, S - SHEAR ZONE, N - INFILLED JOINT; DIP ANGLE 30 60	DISCONTINUITY DATA: STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	RECOVERY DATA: R.Q.D. % 25 50 75
16									
17									
18		@ 18 m. - grades to moderate chlorite alteration Chl 3); alteration is strongest along foliation planes							
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33		@ 33 m. - 60 cm shear zone; 40% clay/20% clay gouge; remaining rock is very weakened along foliation.							
34									
35									

(Continued)

SITKA CORP.

SHEET NO.: 3 of 3

GEOLOGIC LOG OF DRILL HOLE NO.: GT96-13

DEPTH (m)	SYMBOL	LITHOLOGIC DESCRIPTION	PIEZO	HARDNESS R 1 2 3 4 5	POINT LOAD	DISCONTINUITY DATA: J - JOINT, D - DISCONT, B - BEDDING, S - SHEAR ZONE, N - INFILLED JOINT; DIP ANGLE 30 60	DISCONTINUITY DATA: STICK LENGTH (cm) 15 30 45	RECOVERY DATA: CORE RECOVERY % 25 50 75	RECOVERY DATA: R.Q.D. % 25 50 75
36		@ 35.1 m. - strong chlorite alteration (Chl 4) to 36.3							
		END OF HOLE							
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									

SITKA CORP

Test Hole Log

Test Hole No. TH96-1

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	794
Date:	July 29, 1996	Coords (m):	7,100,208N; 458,110E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				SILT (ML), gravelly, some sand, light brown, dry	
.5					
1					
1.5				SILT (/ML), some gravel, some sand, dark brown, moist	
2					
2.5					
3					
3.5					
4					
4.5					

(Continued)

SITKA CORP

Test Hole No. TH96-1

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	794
Date:	July 29, 1996	Coords (m):	7,100,208N; 458,110E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6					
		1	BAG	SILT (ML), sandy, some gravel, gray, moist	
6.5					
7					
7.5					
		2	BAG	SAND AND CLAY (SM/CL), some gravel, moist, low plastic	
8					
8.5					
9					
		3	BAG		
9.5					

(Continued)

SITKA CORP

Test Hole No. TH96-1

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	794
Date:	July 29, 1996	Coords (m):	7,100,208N; 458,110E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit
× — o — ×
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
10.5		4	BAG		
11					
11.5					
12					
				@ 12.2 m. becomes hard (frozen?)	
12.5					
13					
13.5					
				End of hole @ 13.7 meters	
14					
14.5					

SITKA CORP

Test Hole No. TH96-2

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	797
Date:	July 30, 1996	Coords (m):	7,100,250N; 458,083E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				GRAVEL (GW), sandy, silty, loose, dark brown, dry	
.5					
1					
1.5				SILT (ML), some gravel, brown, moist, subangular to rounded rock fragments	
2					
		1	BAG	SILT (ML), sandy, some gravel, gray/brown, moist, low plastic, subangular to rounded rock fragments	
2.5					
3					
		2	BAG	SILTY CLAY (CL/ML), some sand, trace gravel, gray, frozen	
3.5					
4					
4.5					
		3	BAG	SILT (ML), some sand, trace gravel, dark gray, stiff, frozen	

(Continued)

SITKA CORP

Test Hole No. TH96-2

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	797
Date:	July 30, 1996	Coords (m):	7,100,250N; 458,083E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6					
		4	BAG	@ 6.1 meters - grades to light brown as section becomes wet and silty	
6.5					
7					
7.5					
				SILT (MH), with cobbles End of hole @ 7.6 meters	
8					
8.5					
9					
9.5					

SITKA CORP

Test Hole No. TH96-3

Test Hole Log

Project: Dublin Gulch

Project No: I92.1.3

Location: Haggart Creek

Date: August 1, 1996

Equipment: Auger Drill

Ground El (m): 796

Coords (m): 7,100,335N; 458,099E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× —— o —— ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				SILT (ML), sandy, gravelly, brown	
.5					
1					
1.5				SILT (ML), some gravel, light brown, wet, becomes frozen, rock fragments are rounded (till)	
2					
2.5					
3				SILT (ML), some gravel, brown, frozen, rounded rock fragments	
3.5					
4					
4.5				@ 4.6 m. rounded to subrounded rock fragments	

(Continued)

SITKA CORP

Test Hole No. TH96-3

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	796
Date:	August 1, 1996	Coords (m):	7,100,335N; 458,099E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6					
6.5					
7					
7.5					
8					
8.5					
9				GRAVEL AND COBBLES, well rounded End of hole @ 9.1 meters	
9.5					

SITKA CORP

Test Hole No. TH96-4

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	789
Date:	August 1, 1996	Coords (m):	7,100,276N; 458,139E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — × Liquid Limit
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				SILT (ML), some sand, some gravel	
1					
1.5				SILT (ML), some gravel, brown, moist, angular rock fragments	
2					
2.5					
3				@ 3.0 m. angular to subangular rock fragments	
3.5					
4					
4.5				@ 4.6 m. grades to brown with gray	

(Continued)

SITKA CORP

Test Hole No. TH96-4

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	789
Date:	August 1, 1996	Coords (m):	7,100,276N; 458,139E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — × Liquid Limit
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6				@ 6.1 m.grades to brown, subangular rock fragments	
6.5					
7					
7.5				End of hole @ 7.6 meters	
8					
8.5					
9					
9.5					

SITKA CORP

Test Hole No. TH96-5

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	798
Date:	August 10, 1996	Coords (m):	7,100,212N; 458,070E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				SILT (ML), sandy, gravelly, brown, damp	
1					
1.5				SILT (ML), gravel, trace sand, brown, dry, subangular rock fragments	
2					
2.5					
3				SILT (ML), gravel, sand, organic brown, dry, loose	
3.5					
4					
4.5					
		1	BAG	CLAYEY SILT (ML/CL), sandy, some gravel, gray, moist, subangular to rounded rock fragments	

o

(Continued)

SITKA CORP

Test Hole No. TH96-5

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	798
Date:	August 10, 1996	Coords (m):	7,100,212N; 458,070E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× —— o —— ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6					
		2	BAG	@ 6.1 m. becomes frozen, grades to some sand, trace gravel	
6.5					
7					
7.5					
		3	BAG	@ 7.6 m. ice crystals visible (Vx)	
8					
8.5					
9					
		4	BAG		
9.5					

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. TH96-5

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	798
Date:	August 10, 1996	Coords (m):	7,100,212N; 458,070E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× — o — ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
10.5		5	BAG		
11					
11.5					
12		6	BAG	End of hole @ 12.2 meters	
12.5					
13					
13.5					
14					
14.5					

SITKA CORP

Test Hole No. GT96-38

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	791
Date:	August 9, 1996	Coords (m):	7,100,129N; 458,059E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content ○ — Liquid Limit ×
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				SILT (ML), gravelly, sand,soft, light brown, dry	
1					
1.5				SILT (ML), sandy, some gravel, dense, tan, light brown, dry	
2					
2.5					
3		1	BAG	SILT (ML), firm, gray, wet	
3.5					
4					
4.5		2	BAG	CLAY (CL), dense, gray, saturated,	

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-38

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	791
Date:	August 9, 1996	Coords (m):	7,100,129N; 458,059E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× —— o —— ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		3	BAG	@ 6.1 meters - grades to wet silt	
6.5					
7					
7.5		4	BAG	@ 7.6 meters - grades to medium plastic	
8					
8.5					
9		5	BAG	@ 9.1 meters - grades to frozen (Nbn)	
9.5					

(Continued)

SITKA CORP

Test Hole No. GT96-38

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	791
Date:	August 9, 1996	Coords (m):	7,100,129N; 458,059E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× —— o —— ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
10.5		6	BAG		
11					
11.5					
12					
12.5		7	BAG	CLAY (CL), trace gravel (< 2 cm), frozen, low plastic gray, (Nbn, -0.1 degrees C)	
13					
13.5		8	BAG	@13.7 meters - 0.2 deg C	
14					
14.5				@ 15.1 meters: CLAY (CL), some sand, some gravel (< 20 cm), some silt, low plastic, gray to light brown,	
		9	BAG	End of hole @ 15.2 meters	

SITKA CORP

Test Hole No. GT96-39

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	806
Date:	August 9, 1996	Coords (m):	7,100,133N; 457,928E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				GRAVEL (GW), sandy, silty, loose, dark brown, dry	
1					
1.5				SILT (ML), gravelly, some sand, soft, dark brown, dry	
2					
2.5					
3				SILT (ML), sandy, gravelly (subangular), dense, dark brown, damp	
3.5					
4					
4.5					
		1	BAG	SILT (ML), gravelly (subangular), loose, gray, damp	

(Continued)

SITKA CORP

Test Hole No. GT96-39

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	806
Date:	August 9, 1996	Coords (m):	7,100,133N; 457,928E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		2	BAG		
6.5				SILT(MH), some gravel, gray, firm, damp	
7					
7.5		3	BAG	CLAY(CH), some gravel, dense, gray with streaks of brown, moist	
8					
8.5					
9		4	BAG		
				SILT(ML), some sand, some gravel, light brown to gray, damp to dry, (weathered metasedimentary rock?)	
9.5				End of hole@ 9.1 meters	

SITKA CORP

Test Hole No. GT96-40

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	814
Date:	August 10, 1996	Coords (m):	7,100,179N; 457,914E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				SILT (ML), sandy, gravelly, brown, damp, loose	
1					
1.5				@ 1.5 meters - grades to light brown	
2					
2.5					
3				SAND (SM), silty, gravelly, loose, light brown, damp	
3.5					
4					
4.5				@ 4.6 meters - grades to light brown	

(Continued)

SITKA CORP

Test Hole No. GT96-40

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	814
Date:	August 10, 1996	Coords (m):	7,100,179N; 457,914E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× —— o —— ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6				SAND (SW), some silt, some gravel, brown to light brown, damp, compact	
6.5					
7					
7.5				@ 7.6 meters - grades to loose, dry	
8					
8.5					
9				SCHIST (?); light gray, highly weathered, friable End of hole @ 9.1 meters	
9.5					

SITKA CORP

Test Hole No. GT96-41

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	810
Date:	August 10, 1996	Coords (m):	7,100,230N; 457,990E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× — o — ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				SILT (ML), some sand, some gravel, trace organics, dense, moist	
1.5				SILT (ML), sandy, gravelly, firm, dark brown, moist	
3		1	BAG	SILT (ML), some gravel (< 5 cm), some sand, firm, dark brown, moist	
4.5		2	BAG	@ 4.6 meters - grades to gravelly End of hole, refusal @ boulder	

SITKA CORP

Test Hole No. GT96-42

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	807
Date:	August 10, 1996	Coords (m):	7,100,233N; 458,019E

◆ Ground Temp. C

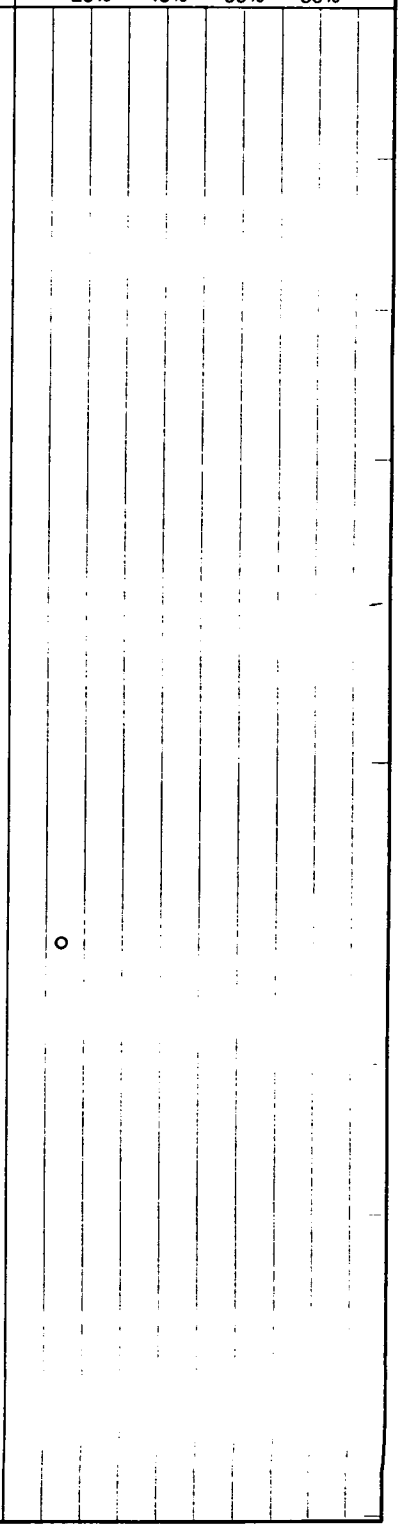
.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× — o — ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				SILT (ML), sandy, gravelly, soft, brown, damp	
.5					
1					
1.5				@ 1.5 meters - grades to moist	
2					
2.5					
3		1	BAG	SILT (ML), gravelly (< 5 cm), some sand, firm, dark brown to gray, moist	
3.5					
4					
4.5		2	BAG	SAND (SP), silty, gravelly (< 5 cm), loose, gray brown, damp End of hole, refusal @ boulder	



SITKA CORP

Test Hole No. GT96-43

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	802
Date:	August 10, 1996	Coords (m):	7,100,203N; 458,003E

◆ Ground Temp. C
.1 .3 .5 .7 .9

Plastic Limit × — Water Content o — Liquid Limit ×
20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				SILT (ML), some sand, some gravel (< 5 cm), firm, medium brown, damp to moist	
.5					
1					
1.5		1	BAG	@ 1.5 meters - grades to low plastic, light brown medium to light brown, moist, dense, plastic	
2					
2.5					
3				SAND (SW), gravelly (< 5 cm), some low plastic silt, loose, light brown, moist	
3.5					
4					
4.5		2	BAG	@ 4.6 meters - grades to black, w/ finer gravel (2 cm)	

(Continued)

SITKA CORP

Test Hole No. GT96-43

Test Hole Log

Project: Dublin Gulch

Project No: I92.1.3

Location: Haggart Creek

Date: August 10, 1996

Equipment: Auger Drill

Ground El (m): 802

Coords (m): 7,100,203N; 458,003E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× —— o —— ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		3	BAG	SILT (ML), sandy, some gravel, firm, black, moist	
6.5					
7					
7.5				End of hole, refusal @ bedrock (schist)	
8					
8.5					
9					
9.5					

SITKA CORP

Test Hole No. GT96-44

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	795
Date:	August 12, 1996	Coords (m):	7,100,181N; 458,073E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit × — Water Content ○ — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				SAND (SW), gravelly, cobbley, some silt, loose, light brown, dry	
.5					
1					
1.5					
2					
				@ 1.5 meters - occasional boulders light brown, dry, loose	
2.5					
3					
				SAND (SM), silty, gravelly, cobbley, loose, light brown, damp	
3.5					
4					
4.5					
				CLAY (CH), sandy, dense, grey, moist	

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-44

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	795
Date:	August 12, 1996	Coords (m):	7,100,181N; 458,073E

◆ Ground Temp. C

.1 .3 .5 .7 .9

Plastic Limit — Water Content — Liquid Limit

× —— o —— ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6				@ 6.1 meters - grades to trace coarse sand	
		1	BAG		
				End of hole, terminated due to cave in upper 3 meters	
6.5					
7					
7.5					
8					
8.5					
9					
9.5					

SITKA CORP

Test Hole Log

Test Hole No. GT96-45

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	787
Date:	August 12, 1996	Coords (m):	7,100,082N; 458,054E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content ○ — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				SAND (SW), gravelly, cobbley, trace silt, loose, brown, gray,	
.5					
1					
1.5				SAND (SW), gravelly, cobbles, some silt, boulders? loose, brown to black, damp	
2					
2.5					
3		1	BAG	SAND (SM), silty, gravelly, loose, light brown, damp	
3.5					
4					
4.5				@ 4.6 meters - grades to wet	

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-45

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	787
Date:	August 12, 1996	Coords (m):	7,100,082N; 458,054E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content ○ — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		2	BAG	CLAY (CL), sandy (coarse), gray, moist	
6.5					
7					
7.5		3	BAG	SILT (ML), clayey, sandy, gravelly (< 2 cm), brown to gray, saturated	
8					
8.5					
9				SCHIST (?) gray, weathered End of hole	
9.5					

SITKA CORP

Test Hole No. GT96-46

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	790
Date:	August 11, 1996	Coords (m):	7,100,127N; 458,097E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content ○ — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				GRAVEL (GW), some sand, cobbles, trace silt, loose, light gray to brown, damp	
1					
1.5					
2				@ 1.5 meters - grades to some silt, brown	
2.5					
3		1	BAG	SAND (SM), silty, some gravel, loose, brown, damp	
3.5					
4					
4.5		2	BAG	SILT (MH), some sand, some gravel (< 4 cm), compact, brown, moist	

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-46

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	790
Date:	August 11, 1996	Coords (m):	7,100,127N; 458,097E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6					
		3	BAG	@ 6.1 meters - grades to trace sand, with fine gray streaks	
6.5					
7					
7.5					
		4	BAG	@ 7.6 meters - grades to some sand, brown-grey	
8					
8.5					
9					
		5	BAG	@ 9.1 meters - occasional cobbles to 7 cm	
9.5					

(Continued)

SITKA CORP

Test Hole No. GT96-46

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	790
Date:	August 11, 1996	Coords (m):	7,100,127N; 458,097E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
10.5					
11				CLAYEY SILT (ML), some fine gravel, trace sand, dense, gray, wet (groundwater table)	
11.5					
12					
12.5				GRAVEL (bedrock?) , medium to coarse, some sand, very dense (refuasal), wet End of hole	
13					
13.5					
14					
14.5					

SITKA CORP

Test Hole No. GT96-47

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	792
Date:	August 12, 1996	Coords (m):	7,100,131N; 458,032E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				GRAVEL (GW), sandy, some silt, loose, brown, damp	
.5					
1					
1.5				SAND (SW), some gravel, some silt, boulders?loose, brown, damp	
2					
2.5					
3				SILT (ML), sandy, some gravel, boulders? compact, brown-gray	
3.5					
4					
4.5		1	BAG	CLAY (CL), moist, stiff, gray	

(Continued)

SITKA CORP

Test Hole No. GT96-47

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	792
Date:	August 12, 1996	Coords (m):	7,100,131N; 458,032E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		2	BAG	SILT (ML), some gravel (< 2 cm), some sand, dense, light brown with gray (bioite?) stringers, wet	
6.5					
7					
7.5		3	BAG	SILT (ML), sandy (coarse), some gravel (< 20mm) dense, wet	
8					
8.5					
9				SCHIST End of hole	
9.5					

SITKA CORP

Test Hole No. GT96-48

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	799
Date:	August 15, 1996	Coords (m):	7,100,044N; 458,042E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				SILT (MH), organics, gravelly, occasional cobbles, some sand, brown, moist, dense, organics are black	
1					
1.5		1	BAG	SILT (ML), gravelly, some sand, occasional cobbles, boulders?, dense, brown, moist	
2					
2.5					
3				SILT (ML), sandy, some gravel (< 7 cm), boulders? soft, grayish brown, moist	
3.5					
4					
4.5		2	BAG	SILT (ML), some sand, some gravel and cobbles, some - clay, stiff, grey	

(Continued)

SITKA CORP

Test Hole No. GT96-48

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	799
Date:	August 15, 1996	Coords (m):	7,100,044N; 458,042E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		3	BAG	SILT (ML), sandy, gravelly, cobbles, brown, stiff, gray, moist,	
6.5					
7					
7.5		4	BAG	@ 7.6 meters - grades to wet	
8					
8.5					
9		5	BAG	@ 9.1 meters - grades to greyish brown, some gravel, moist	
9.5					

(Continued)

SITKA CORP

Test Hole No. GT96-48

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	799
Date:	August 15, 1996	Coords (m):	7,100,044N; 458,042E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
10.5					
				SILT (ML), sandy, gravelly, soft, brown, damp	
11					
11.5					
12				@ 12.2 meters - grades to firm	
		6	BAG		
				End of hole	
12.5					
13					
13.5					
14					
14.5					

SITKA CORP

Test Hole No. GT96-49

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	795
Date:	August 15, 1996	Coords (m):	7,100,038N; 458,081E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content ○ — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
.5				ORGANICS, (OL), silty, some sand, some gravel, moist	
1					
1.5		1	BAG	SILT (ML), some gravel, firm, brown, moist,	
2					
2.5					
3		2	BAG		
3.5					
4					
4.5		3	BAG	SILT (ML), some sand, some gravel (< 3 cm), stiff, brown-gray, wet	

(Continued)

SITKA CORP

Test Hole No. GT96-49

Test Hole Log

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	795
Date:	August 15, 1996	Coords (m):	7,100,038N; 458,081E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		4	BAG	CLAYEY SILT (MH), some sand, some gravel (< 30mm), grayish brown, frozen (Vc; 0 deg C, 15% - 20% ICE)	
6.5					
7					
7.5		5	BAG	@ 7.6 meters - becomes sandy	
8					
8.5					
9		6	BAG	@ 9.1 meters - grades to gray, -0.1 degrees C	
9.5					

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-49

Project: Dublin Gulch

Project No: I92.1.3

Location: Haggart Creek

Date: August 15, 1996

Equipment: Auger Drill

Ground El (m): 795

Coords (m): 7,100,038N; 458,081E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content ○ — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
10.5				@10.7 meters: SILT (ML), sandy, gravelly, (< 30mm), soft, light brown, moist	
				End of hole	
11					
11.5					
12					
12.5					
13					
13.5					
14					
14.5					

SITKA CORP

Test Hole Log

Test Hole No. GT96-50

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	790
Date:	August 17, 1996	Coords (m):	7,100,031N; 458,118E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				ORGANICS (OL), silt, gravel, some cobbles, silt is black and brown, cobbles and gravel are brown, moist, dense	
.5					
1					
1.5				SILT (ML), some gravel (< 2 cm), trace organics, firm, brown, moist	
2					
2.5					
3		1	BAG		
3.5					
4					
4.5		2	BAG	@ 4.6 meters - grades to some sand, coarser gravels (> 7 cm)	

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-50

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	790
Date:	August 17, 1996	Coords (m):	7,100,031N; 458,118E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6		3	BAG	SILT (ML), firm, gray, moist,	
6.5					
7					
7.5		4	BAG	SILT (ML), some gravel (< 2 cm), trace sand, gray, frozen (ICE; 0.0 degrees C; w/ large pieces of ice > 7 cm; 10% ICE)	
8					
8.5					
9		5	BAG	CLAY (CH), trace gravel (< 2 cm), trace sand, gray, frozen, (ICE, -0.1 degrees C, 30% - 40% ICE)	
9.5					

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-50

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	790
Date:	August 17, 1996	Coords (m):	7,100,031N; 458,118E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
10.5					
		6	BAG	CLAY (CH), some gravel, (< 6 cm), trace sand, gray, frozen (Vx, -0.1 degrees C, 15% ICE)	
11					
11.5					
12					
		7	BAG	@ 12.2 meters - grades to fine gravel (2 cm), some sand, 5% to 10% ICE	
12.5					
13					
13.5					
		8	BAG	CLAY (CH), some silt, some gravel (< 2 cm) trace sand, gray, frozen (Vx, -0.1 degrees C, 5% - 10% ICE)	
14					
14.5				SCHIST @ 15.2 meters - End of Hole	

SITKA CORP

Test Hole Log

Test Hole No. GT96-51

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	791
Date:	August 17, 1996	Coords (m):	7,099,975N; 458,114E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content o — Liquid Limit ×

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
				ORGANICS (OL), moss, silt, tree roots, black, frozen (Vx)	
.5					
1					
1.5				SILT (ML), sandy, gravelly, light brown, frozen (Vx)	
2					
2.5					
3		1	BAG	SILT (ML), sandy, some gravel (< 3 cm), light brown, frozen, Vx (-0.1 degrees C)	
3.5					
4					
4.5				@ 4.6 meters - becomes unfrozen, damp	

(Continued)

SITKA CORP

Test Hole Log

Test Hole No. GT96-51

Project:	Dublin Gulch	Equipment:	Auger Drill
Project No:	I92.1.3		
Location:	Haggart Creek	Ground El (m):	791
Date:	August 17, 1996	Coords (m):	7,099,975N; 458,114E

◆ Ground Temp. C

-.8 -.4 0 .4 .8

Plastic Limit × — Water Content ○ — × Liquid Limit

20% 40% 60% 80%

Depth (m)	Blow Count	Sample No	Sample Type	Material Description	Piezo Detail
5.5					
6					
				SILT or CLAY (CH), sandy, some gravel (< 2 cm), boulder? firm, gray, moist	
6.5					
7					
7.5					
		2	BAG	@ 7.6 meters - gravel grades to 3 cm End of hole, boulders caving in blocking hole	
8					
8.5					
9					
9.5					