

083738

**GEOCHEMICAL
ASSESSMENT REPORT**

DEPARTMENT OF INDIAN AND
NORTHERN AFFAIRS

OCT 11 1996

MINING RECORDER

YELLOWKNIFE, N.W.T.

on the

BENACHEE RESOURCES INC/ SNOWPIPE RESOURCES LTD

OK PROPERTY

June 25, 1995 - June 24, 1995

INULIK LAKE AREA

NTS 86I/10, /11, /12, /14, /15

**66° 45' N, 113° 00' W
DISTRICT OF MACKENZIE,
NORTHWEST TERRITORIES**

by

Barry Edward Jones B.Sc., M.Sc.

CANAMERA GEOLOGICAL LTD.

650- 220 Cambie Street
Vancouver, B.C.

October 8, 1996

Volume 1 of 1

THIS REPORT HAS BEEN EXAMINED AND
APPROVED AS TO TECHNICAL WORTH UNDER
SECTIONS 6 & 7 OF SCHEDULE II OF THE
CANADA MINING REGULATIONS AND
VALUED IN THE AMOUNT OF \$ 349,200.00.

DATE: Jan. 22/97

ENGINEER OF MINE'S FOR
CHIEF, NORTH. NON-RENEW
RESOURCES BRANCH

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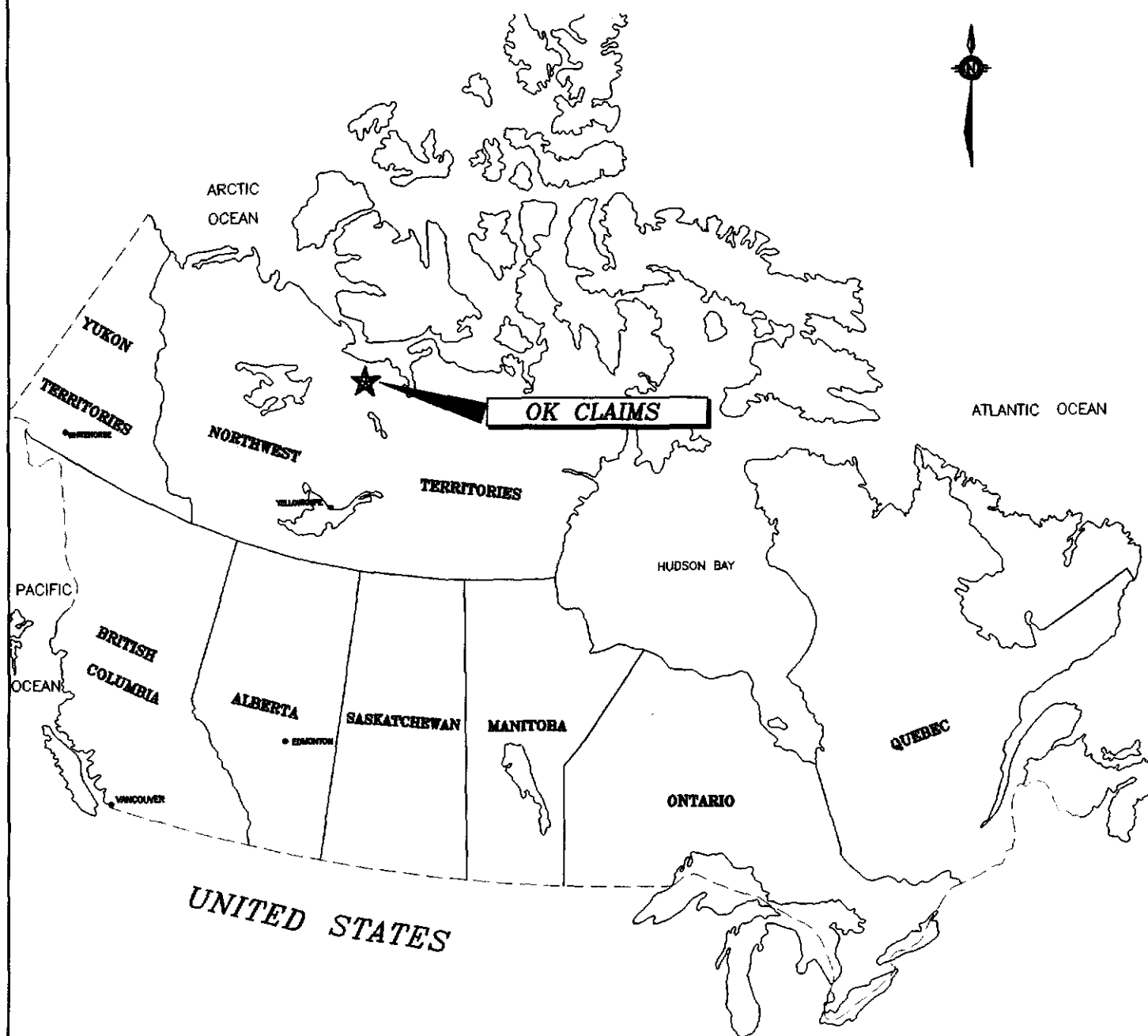
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SUMMARY

The OK property is located within the northwestern portion of the Slave Structural Province, Northwest Territories, approximately 450 km north of Yellowknife. The property comprises 293 mineral claims, and encompasses approximately 681,622.67 acres and has been the focus of diamond exploration since early 1993. During the period June 25, 1993 - June 24, 1995, 4562 glacial till samples were collected and processed and 39126 line-km of airborne geophysics flown (1993 - 1995 Assessment Report on WOOSUP Property, DIAND # 083539).

Based on the 1993 - 1995 reconnaissance work, 11 indicator mineral trains were identified on the OK property. Two trains were defined in detail, whereas the remaining 9 required additional work. The 1995 - 1996 sampling was designed to fill in gaps in the earlier reconnaissance sampling over lakes and other difficult areas. A portable drill (Winkie Drill) was used for the collection of lake bottom till samples.



**BENACHEE RESOURCES INC.
SNOWPIPE RESOURCES LTD.**

**OK CLAIMS
LOCATION MAP**

SCALE:	DATE: SEPT. 1996	FIGURE NO.1
APPROVED BY: B.JONES	FILE : OK-FIG1.DWG	
CANAMERA GEOLOGICAL LTD		

TO ACCOMPANY 1996 OK PROPERTY ASSESSMENT REPORT BY B.JONES

INTRODUCTION

The Slave Structural Province of the Northwest Territories is an Archean segment of the North American Craton. It is underlain by metasedimentary and metavolcanic rocks of the Yellowknife Supergroup and by Archean granites and gneisses. The discovery of diamonds in the Lac de Gras region through the geochemical tracking of kimberlitic indicator minerals provided the impetus for a rush of exploration activity. Many junior companies staked out large land positions and carried out detailed geochemical and geophysical exploration programs. New Indigo Resources Inc and Snowpipe Resources staked out a large land position north of latitude 66° N to Coronation Gulf, encompassing approximately 9 million acres. The OK property is part of this land holding (Figures 1, 2).

LOCATION AND ACCESS

The OK property is located in the Mackenzie District of the Northwest Territories (Figures 3, 4), approximately 450 km north of Yellowknife. The OK claims are centred at latitude $66^{\circ} 45'$ North; longitude $113^{\circ} 00'$ West, and may be located on NTS Sheets 86I/10, /11, /12, /14, /15. Access to the property is currently restricted to air transport only. In the winter, the area is accessible by ski-equipped aircraft, while in the summer, lakes suitable for landing float-equipped aircraft are available nearby. Larger aircraft can land on the 6,000 foot gravel runway at Echo Bay's Lupin Mine approximately 150 kilometres to the southeast.

During the months of January to March, a winter ice road extends from Yellowknife to the Lupin minesite. The winter road is also operated by Echo Bay Mines Ltd.

TOPOGRAPHY AND CLIMATE

The property is located within the treeless tundra of the Barrenlands. The topography is characterized by rolling, rocky ridges separated by low-lying muskeg and numerous shallow lakes. The larger bodies of water in the area include Takijuk Lake, just south of the property, and Inulik Lake in the northern half of the property. The paleo ice direction appears to follow a general northwest trend. Numerous esker systems are located throughout the property

and , in general, mimick the orientation of glacial transport. The local relief varies between 300 and 600 metres above sea level.

Climatic conditions in the Barrenlands are extreme. Winter temperatures range down to -45 degrees Celsius, while high winds create extreme wind chill factors. Average annual snowfall approaches 1.0 metre, most of which falls during autumn and spring storms. Freeze-up and break-up occupy most of the months of September and June respectively. During these months, the property is accessible only by helicopter. The ice-free season is approximately two to two and a half months long; lasting from early July to mid-September. Summer temperatures can range up to the high 20's Celsius, but the weather is highly variable, and storms can occur at any time of the year.

The local wildlife includes caribou, musk oxen, Arctic wolves, Arctic foxes, Barrenlands grizzlies, wolverines, Arctic hares and ptarmigan. Lake trout and Arctic char up to 25 pounds are abundant in the local lakes and rivers.

CLAIM STATUS

The OK property comprises 293 claims totaling 681,622.67 acres (Drawing 2). The anniversary date for the OK claims is June 24, 1996. The claims are held jointly by Benachee Resources Inc., and Snowpipe Resources Inc. A complete list of claim information is attached in Appendix 3. The statement of exploration expenditures is listed in Appendix 1.

REGIONAL GEOLOGY

The OK property straddles the contact between Archean rocks of the Slave Structural Province, and Proterozoic supracrustal rocks of the Epworth Basin. Figures 2, 3) Relf (1992) described the Slave Province as an Archean granite-greenstone terrane comprising belts of 2.70 to 2.67 billion years old metasedimentary and metavolcanic rocks that were extensively intruded by syn- to post-volcanic granitoid plutons between ca. 2.70 and 2.58 billion years.

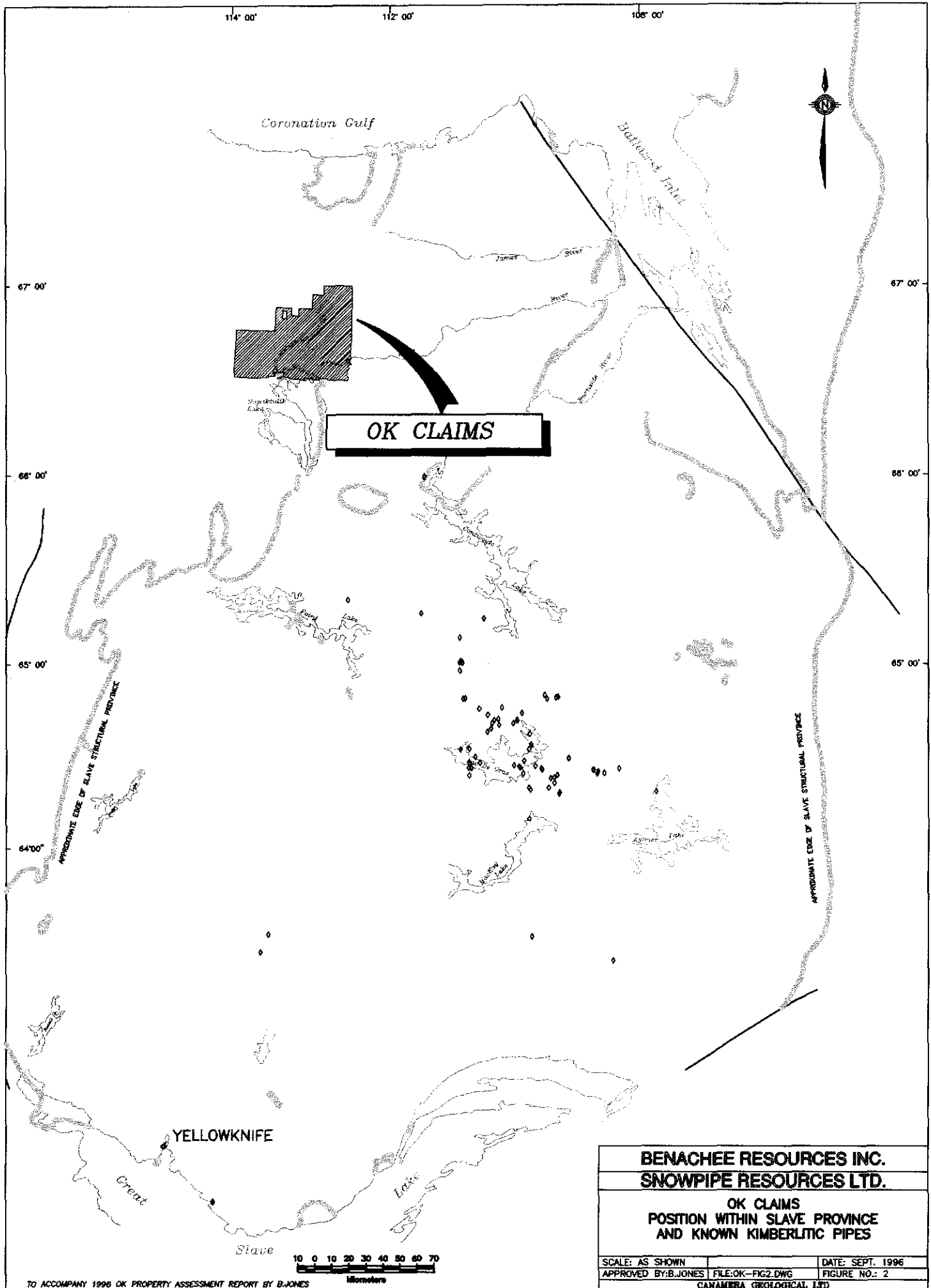
The following discussion of the Proterozoic rocks of the area is summarized from: The Epworth Group Rocknest Lake Area, District of MacKenzie, by J. A. Fraser, GSC Paper 73 - 39.

The Epworth Group comprises mainly unmetamorphosed sedimentary rocks and minor volcanic rocks which are subdivided into five conformable formations:

Takiyuak Formation (1,200 ft. +)	Sandstone, siltstone
Cowles Lake Formation (2,670 ft)	Limestone, argillite, minor greywacke
Recluse Formation (2,000 - 6,500 ft)	Argillite, siltstone, quartzite, greywacke, minor carbonate and andesite
Rocknest Formation (2,300 - 5,000 ft)	Dolomite, minor argillite, chert, limestone, and andesite
Odjik Formation (2,100 - 7,500 ft)	Argillite, quartzite, minor conglomerate, carbonate, and siltstone

The total thickness of the Epworth Group increases from about 10,000 feet near the eastern margin of the Epworth Basin, to about 20,000 feet in the central part of the Basin.

The lowermost Epworth sediments lie with pronounced angular unconformity on Archean basement rocks. Metamorphism and intensity of deformation increase progressively westward.



GEOLOGY OF THE SLAVE STRUCTURAL PROVINCE

A tectonically oriented geological map of the Slave craton drafted in AutoCAD

LITHOLOGIES

PROTEROZOIC-PALEOZOIC



cover rocks

ANDRESIA (supracrustal rocks are metamorphosed)

Younger Assemblage



polymict conglomerate, felsapathic granite



granitoid rocks

Yellowknife Assemblage



migmatite and gneiss (may include older rocks)



supracrustal rocks identified



plutonic and undifferentiated rocks



metagraywacke-mudstone; minor conglomerate (s), calc-arsenite, carbonates, and iron formation



intermediate-felsic volcanic rocks



mafic-intermediate and undifferentiated volcanic rocks



gabbro-diorite and gneissic granitoid rocks, partly syenitic

Older Assemblage



quartz-arsenite and felsic volcanic rocks, zircons older than 2.8 Ga; commonly associated with iron formation and ultramafic rocks



gneiss and granite, partly with zircon ages >2.8 Ga; includes undifferentiated younger rocks

Boundary of Slave Structural Province

Geological contacts approximate, generalized

Structural trends

folds

foliation in migmatite and granitoid rock

cleavage oblique to folds

shear zone

fault

Scale 1:1,000,000

Scale 1:1,000,000

OK CLAIMS

BENACHEE REOURCES INC.
SNOWPIPE RESOURCES LTD.

OK CLAIMS

REGIONAL GEOLOGY

MODIFIED FROM FYSON & PADGHAM 1993-8

SCALE: AS SHOWN

NTS:

DATE: SEPT. 1996

APPROVED BY: B. JONES

FILE: FYSONX.DWG

FIGURE: 3

CANAMERA GEOLOGICAL LIMITED

The youngest rocks in the area comprise diabase dykes and sills. The dykes are of two principal ages. Dykes of the MacKenzie swarm trend 330 degrees, are steeply inclined, and are about 1,200 m.y.. The Franklin diabase dykes trend northeasterly to easterly, and are 675 m.y.

Pleistocene Geology

Reconnaissance mapping of surficial deposits and ice direction indicators has been carried out over the property. M.J. Millard of Saskatchewan Research Council was commissioned to provide reconnaissance airphoto interpretation and field investigation of surficial geology over the region (Millard, 1993 - BK Project).

Till is the most extensive surficial sediment. Two genetically different types of till deposits have been recognized: basal (subglacial) till and ablation (englacial) till. Subglacial till is deposited primarily from active ice and generally contains more local material than does englacial till. Thus, it is regarded as the best sample medium when conducting drift prospecting programs. Englacial till, deposited during ablation processes by stagnant ice, is often associated with other ice disintegration features such as esker systems. Minor areas of raised marine sediments are found near Coronation Gulf and Bathurst Inlet.

Economic Geology

The Slave Province displays zonations that distinguish it from the other Archean cratons. Based upon the distribution of gold deposits and showings, the Slave Province can be divided into five zones, four trending northeasterly across the province (Padgham and Fyson, 1992). The OK property straddles Zones 3 and 4 which are characterized by gold occurrences within iron formations hosted by turbidites and quartz veins within intrusions, respectively.

The High Lake Cu-Zn massive sulphide deposit of Kennecott Canada Inc is located approximately 150 kilometres northeast of the OK property. Estimated reserves are 5.2 million tons at 3.5% Cu, 2.5% Zn and 0.023 oz/t Au. This deposit and numerous other mineral showings are located within the Aniak-High Lake greenstone belt. The Canuc/Orofino gold deposit is located just east of the SD claims on Coronation Gulf. Estimated reserves are 800,000 tons grading 0.22 oz/t Au.

The Pistol Lake occurrence is hosted within BIF associated with qtz-biotite-schists of the Yellowknife Supergroup sediments. The sulphide iron formation contains greater than 10% sulphides which are usually concentrated near the contacts of crosscutting qtz veins. Gold mineralization is similar to Lupin with auriferous zones related to arsenopyrite mineralization in qtz veins and in iron formation where crosscutting veins intersect the sulphide horizons. The Pistol Lake occurrence and claims are surrounded by the southern extension of the CU claims, just north of the Hood River near Bathurst Inlet.

The only producing mine in the area is Echo Bay Mines Ltd's Lupin mine at Contwoyto Lake approximately 190 km south of the property. The ore body at Lupin comprises a tightly folded, gold-bearing pyrrhotite-grunerite iron formation. Iron formations occur throughout the metaturbidites of the Contwoyto Formation. Many of these iron formations have been the subject of exploration programs, but only Lupin has so far proven economic.

The Slave Province has only recently been recognized as a favourable environment for the emplacement of kimberlite pipes. Many diamond exploration programs are currently being undertaken in the area, such as the BHP-Dia Met joint venture in the Lac de Gras-Exeter Lake area. BHP

PROPERTY GEOLOGY

No property scale geological mapping was carried out on the OK property during the period of the current exploration program. An overview of litho-stratigraphic units for the property, gleaned from regional geological compilations, is presented in Figure 5.

The eastern half of the OK claims block is underlain by Archean gneissic and granitoid rocks. The western half of the property is underlain by Proterozoic age supracrustal Rocks of the Epworth Group. The contact between these two major rock units is a profound angular unconformity.

PREVIOUS EXPLORATION

Prior to early 1993, no previous exploration for diamonds or diamond indicator minerals is known on the property. Over the period 1993 - 1995, Benachee Resources Ltd. and Snowpipe Resources Inc. carried out regional airborne geophysical surveys (mag, EM) and reconnaissance till sampling over the region containing the OK claims (1993 - 1995 Assessment Report on the Woosup Property, DIAND # 083539). The 1993 - 1995 sampling included 2,675 sites, and returned 565 anomalous samples. The distribution of these samples suggested the presence of eleven possible indicator mineral trains on the claims. It was also recognized that a number of inadequately sampled areas remained on the claims, and additional sampling was recommended.

CURRENT EXPLORATION (1995-1996)

Geochemistry

Overview

During initial exploration (1993 - 1995), the focus of ground exploration efforts on the OK property was reconnaissance level till sampling to quickly discover widespread glacially transported indicator mineral trains derived from kimberlitic pipes with a minimal number of samples (1993 - 1995 Assessment Report on the WOOSUP Property). This work led to the discovery of indicator minerals in a large number of samples dispersed among up to 11 indicator mineral trains. Due to the presence of lakes and other difficult conditions, most of these anomalies were left with gaps in the collection of till samples. The 1995 - 1996 sampling program was intended to fill these gaps.

Introduction

Winter and summer till samples were collected on the OK property by Canamera Geological Ltd for New Indigo Resources. Samples were processed for kimberlitic indicator minerals such as pyrope, eclogitic garnet, chrome

diopside, picro-ilmenite, chromite, and olivine in Canamera's North Vancouver lab facilities.

The sampling crew was mobilized from Yellowknife via fixed wing Twin Otter aircraft. Helicopter support was Bell Jet Ranger 206 B and A-Star. Fuel and supplies were transported daily from Yellowknife and samples back-hauled.

Field Collection

Sampling procedure:

Each sampler is dropped off by helicopter at the beginning of each traverse. Sample sites are located approximately 1 km apart so the sampler traverses between each sample site. Each sample site is located close to water since most of the known kimberlite pipes are located in lakes and the screening/washing process (summer) requires water. The target material for sampling is preferably frost-boils. Here the glacial till has been reworked by fluid movement to produce a site more concentrated in sand-sized particles from the underlying till layer. Frost boils are quite frequent and easy to locate in the field. The next best sampling material is glacial till.

Once a site has been located, sample material is passed through a 6 or 10 mesh wire screen (3.36 to 1.70 mm) into a collection basin. The oversize is examined for kimberlite fragments, and if none are found this material is discarded. The material collected in the basin is submerged in water and agitated to liberate the majority of the fine clay and silt particles, which are then decanted off to leave only granular particles. This screening and washing process is continued until approximately 15 kg of screened and washed material has been collected. This material is transferred to a labeled 15 litre plastic bucket with sealable lids for transport.

The winter sampling program targets the same sample material as the summer, however, the sampler is completely helicopter supported at all times and the sample material is not screened or washed on site. The frozen till is broken into hand-sized chunks using gas-powered Poinjar percussion drills equipped with a wide chisel bit. Each sample requires two people to effectively break and collect the sample material. Sample containers consist of 25 liter plastic buckets with sealed lids. Sample weight is also increased to approximately 40 kgs.

Lake bottom till sampling was achieved by means of a portable drill (Winkie Drill) using a barge during the summer months, and the frozen lake surface during the winter. Samples were collected in 10 foot runs, each sample collected continuously over the entire 10 feet. After each 10 foot run, the sample tube was withdrawn and the entire contents emptied into a plastic bucket.

Sample Processing

Till samples collected from the OK property were processed in the Canamera Geological Ltd. lab facilities located in North Vancouver. Gravity concentration methods and procedures are used in the initial stages of mineral processing.

Winter samples are subjected to a prescreening and washing stage to remove the oversize and the clay/silt fraction. All other aspects of processing are identical between winter and summer samples.

Producing a heavy mineral concentrate

Stage 1: Screening of sample material into 4 size fractions using a vibratory Sweco unit.

Size categories are:	1)	10 mesh - 1.7 mm
	2)	20 mesh - 0.85 mm
	3)	40 mesh - 0.425 mm
	4)	60 mesh - 0.250 mm

Stage 2: Simple gravity separation of the -20 to +40 fraction using Wilfley tables to produce two products: low density material and high density material. Only the high density product is processed further.

Stage 3: Heavy density product is magnetically separated at two settings to produce three distinct products; an ilmenite rich magnetic concentrate and a garnet-chrome diopside rich concentrate. The remaining material is the non-magnetic fraction.

Stage 4: Both the ilmenite and garnet-chrome diopside concentrates are further refined using a Magstream dense magnetic media separation.

Stage 5: Trained mineral sorters examine each final concentrate for kimberlitic pyrope garnet, chrome diopside, eclogitic garnet, ilmenite, chromite and olivine grains using binocular microscopes. Questionable grains are examined by the senior mineralogist and / or sent out for microprobe analysis.

At each stage of screening, separation, and concentration a record of weights is maintained for all fractions. All sample splits are repackaged separately and kept in archives.

Amendment
Geochemical Assessment Report
OK Claim Group
June 25, 1995 - June 24, 1996
(DIAND 83738)

To replace Page 18

Results and Interpretation

A very large number of samples (3,172 processed to date) have been collected from the OK Property since 1993, and an unusually high proportion of these samples have returned possible kimberlitic indicator mineral grains (1993 - 1995 Assessment Report on the Woosup Property, DIAND #083539). However, the distribution of these anomalous samples has proven to be difficult to interpret. Upon completion of the initial reconnaissance sampling programs (1993 - 1995), up to eleven weakly defined indicator mineral trains were tentatively identified, and there were numerous isolated sites, seemingly unrelated to any of these trains (1993 - 1995 Assessment Report on the Woosup Property, DIAND #083539). The 1995 - 1996 sampling program was intended to provide blanket coverage to the western portion of the claim group, and extend reconnaissance sampling in the eastern portion of the claim group, in an effort to provide better definition of the eleven tentatively identified mineral trains. The 1995 - 1996 sampling program consisted of 497 till samples collected and processed. Of this total, 169 contained hypabyssal indicator minerals, and 328 were barren (Dwg. 1, and Appendix 4).

The primary result of the 1995 - 1996 sampling has been to cast doubt on the existence of eleven separate indicator mineral trains that had been tentatively identified at the end of the 1993 - 1995 work. It now appears that the western portion of the OK Property is blanketed by anomalous mineralogy, rather than displaying discrete mineral trains. Apparently, the originally identified mineral trains were artifacts of the distribution of the original (1993 - 1995) sampling localities.

The causes of this blanket distribution of indicator mineral grains in the tills is not currently understood. Possibilities include:

- a) Unusually prolific up-ice (145 - 155 degrees) source(s)
- b) Unusually homogeneous till(s)
- c) Reworked till(s).

Until these questions are resolved the possibility of sources of kimberlitic material occurring on the OK group of claims cannot be discounted.

CONCLUSIONS AND RECOMMENDATIONS

The 1995 - 1996 sampling was intended:

- 1) to provide blanket coverage over the western portion of the OK Property where up to eleven weakly defined mineral trains had been tentatively identified from the 1993 - 1995 work, and

- 2) to fill in gaps in the 1993 - 1995 reconnaissance sampling caused by the presence of lakes and other difficult areas.

The results of the 1995 - 1996 sampling mimicked the results of the 1993 - 1995 work. The majority of anomalous samples correlated with the same general areas where up to eleven weakly defined mineral trains had been tentatively identified from the 1993 - 1995 work. However, the results of the new sampling suggest that the distribution of anomalous material is blanket-like, rather than in the form of discrete mineral trains. Based on the work to date, no specific source(s) of kimberlitic material has been located on the OK Property. The reason for such a high number of anomalous sites with seemingly random distribution is not known.

Additional work is strongly recommended on the OK Property, including:

- Re-evaluation of the surficial geology to give a better understanding of the distribution of the anomalous samples;
- Re-evaluation of the existing samples and sample data to detect subtle trains within seemingly randomly distributed sites;
- Detailed airborne geophysical surveys, particularly in the western portion of the OK Property;
- More sampling.

Amended by

Barry Edward Jones B.Sc., M.Sc.
January 17, 1997.

APPENDIX 1
STATEMENT OF COSTS

OK PROPERTY
EXPLORATION EXPENDITURES
FOR PERIOD: June 25, 1995 - June 24, 1996

<u>SAMPLE COLLECTION</u>	<u>TOTAL</u>
<u>PROJECT PREPARATION</u>	\$8,993
<u>PERSONNEL</u>	
Camp Geologist, Assistant, Cook and 8 samplers (11 man camps)	\$42,610
<u>CAMP BUILDING AND MOBILIZATION</u>	\$19,472
<u>DEMOBILIZATION AND CLEANUP</u>	\$5,459
<u>FIELD SUPPLIES</u>	\$5,242
<u>PERSONNEL BOARD</u>	\$8,309
<u>PERSONNEL ROOM</u>	\$15,579
<u>COMMUNICATIONS</u>	\$1,706
<u>SAMPLING EQUIP. RENTAL</u>	\$8,309
<u>SAMPLING SUPPLIES</u>	\$2,225
Fuel Caching	\$4,272
Twin Otter	\$64,081
Helicopter (DRY)	\$151,541
<u>FUEL CONSUMPTION</u>	
HELICOPTER Fuel	
Jet B	\$24,965
CAMP Fuel	
p-50 stove	\$4,249
p-40 diesel	\$809
CAMP Fuel	
Propane	\$1,877
<u>SAFETY EQUIPMENT</u>	\$2,966
<u>SAMPLE SHIPPING</u>	\$24,930
<u>TOTAL FIELD COLLECTION EXPENDITURES</u>	<u>\$397,600</u>

SAMPLE PROCESSING EXPENDITURES

497 samples @ \$300/ sample	
(including screening, tabling, magnetic separation, Magstream, and mineral sorting)	\$149,100

TOTAL SAMPLE COLLECTION AND PROCESSING COSTS

Samples collected	497	
Average cost per sample	\$1,100	\$149,100

<u>REPORT PREPARATION</u>	\$2,500
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TOTAL EXPLORATION EXPENDITURES

\$549,200

APPENDIX 2
APPLICATION OF EXPENDITURES

APPLICATION OF EXPENDITURES**EXPENDITURES**

Total Exploration Expenditures for OK PROPERTY = \$549,200.00
(Appendix 1)

Consisting of:

Till sampling collection
Sample processing

ACREAGE

Total OK PROPERTY acreage to be retained = 303.005 32 acres
(Appendix 3)

APPLIED WORK

128 claims; totaling 303,005.32 acres
1 year of work credit @ \$2/acre/year
using applied new work of \$549, 200.00

SHORTFALL

\$ 56,810.65

APPENDIX 3
CLAIM DATA



OK PROPERTY - FORM 9 ATTACHMENT

09-Oct-96

CLAIM NUMBER	CLAIM NAME	OWNER(S)	NTS SHEET(S)	AREA (ACRES)	NEW WORK	EXISTING EXCESS USED:	NEW EXCESS CREDIT	YEARS APPLIED	RECORDED	NEW ANNIVERSARY
F38510	OK 10	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-16 / 086-I-15 /	2385.3	4,323.39	0.00	0.00	0	6/24/1993	6/24/1996
F38511	OK 11	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / 086-I-16 /	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38518	OK 18	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-09 / 086-I-10 /	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38519	OK 19	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-09 / - / - / -	541.35	981.21	0.00	0.00	0	6/24/1993	6/24/1996
F38530	OK 30	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / 086-I-15 /	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38531	OK 31	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38539	OK 39	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38540	OK 40	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38541	OK 41	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38542	OK 42	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38558	OK 58	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38559	OK 59	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38560	OK 60	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38564	OK 64	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38572	OK 72	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38574	OK 74	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38577	OK 77	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38578	OK 78	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38579	OK 79	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38580	OK 80	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38581	OK 81	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38582	OK 82	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / 086-I-15 /	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38590	OK 90	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38594	OK 94	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38595	OK 95	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / 086-I-15 /	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38596	OK 96	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38597	OK 97	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38599	OK 99	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38600	OK 100	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38601	OK 101	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38602	OK 102	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-10 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38606	OK 106	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38607	OK 107	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2582.5	4,680.81	0.00	0.00	0	6/24/1993	6/24/1996
F38611	OK 111	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-15 / - / - / -	2272	4,118.03	0.00	0.00	0	6/24/1993	6/24/1996

CLAIM NUMBER	CLAIM NAME	OWNER(S)	NTS SHEET(S)	AREA (ACRES)	NEW WORK	EXISTING EXCESS USED:	NEW EXCESS CREDIT	YEARS APPLIED	RECORDED	NEW ANNIVERSARY
F38688	OK 188	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	468.24	848.68	0.00	0.00	0	6/24/1993	6/24/1996
F38689	OK 189	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	468.24	848.68	0.00	0.00	0	6/24/1993	6/24/1996
F38690	OK 190	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38691	OK 191	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38692	OK 192	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38693	OK 193	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38695	OK 195	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / 086-I-14 /	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38696	OK 196	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-14 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38699	OK 199	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-14 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38702	OK 202	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38703	OK 203	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38704	OK 204	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38705	OK 205	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38706	OK 206	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38709	OK 209	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38712	OK 212	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-14 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38716	OK 216	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-14 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38721	OK 221	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38723	OK 223	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38724	OK 224	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	987.5	1,789.85	0.00	0.00	0	6/24/1993	6/24/1996
F38726	OK 226	SNOWPIPE RESOURCES LTD. / BENACHEE RESOURCES INC.	086-I-12 / - / - / -	284.08	514.89	0.00	0.00	0	6/24/1993	6/24/1996
F38727	OK 227	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	1528.8	2,770.96	0.00	0.00	0	6/24/1993	6/24/1996
F38729	OK 229	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38734	OK 234	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-14 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38735	OK 235	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-14 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38739	OK 239	SNOWPIPE RESOURCES LTD. / BENACHEE RESOURCES INC.	086-I-11 / 086-I-12 /	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38740	OK 240	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / 086-I-12 /	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38741	OK 241	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-11 / 086-I-12 /	2192.3	3,973.56	0.00	0.00	0	6/24/1993	6/24/1996
F38742	OK 242	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2364.9	4,286.40	0.00	0.00	0	6/24/1993	6/24/1996
F38743	OK 243	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38744	OK 244	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38750	OK 250	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38751	OK 251	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38752	OK 252	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38757	OK 257	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38758	OK 258	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38759	OK 259	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38760	OK 260	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996

CLAIM NUMBER	CLAIM NAME	OWNER(S)	NTS SHEET(S)	AREA (ACRES)	NEW WORK	EXISTING EXCESS USED:	NEW EXCESS CREDIT	YEARS APPLIED	RECORDED	NEW ANNIVERSARY
F38762	OK 262	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2337.1	4,236.01	0.00	0.00	0	6/24/1993	6/24/1996
F38763	OK 263	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38764	OK 264	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38765	OK 265	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38766	OK 266	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38772	OK 272	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38773	OK 273	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38774	OK 274	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38775	OK 275	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2337.1	4,236.01	0.00	0.00	0	6/24/1993	6/24/1996
F38776	OK 276	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2337.1	4,236.01	0.00	0.00	0	6/24/1993	6/24/1996
F38778	OK 278	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38783	OK 283	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	445.16	806.85	0.00	0.00	0	6/24/1993	6/24/1996
F38784	OK 284	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38795	OK 295	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38796	OK 296	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	445.16	806.85	0.00	0.00	0	6/24/1993	6/24/1996
F38797	OK 297	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	445.16	806.85	0.00	0.00	0	6/24/1993	6/24/1996
F38798	OK 298	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996
F38799	OK 299	BENACHEE RESOURCES INC. / SNOWPIPE RESOURCES LTD.	086-I-12 / - / - / -	2582.5	4,680.80	0.00	0.00	0	6/24/1993	6/24/1996

total # of acres = 303,005.32

total amount of new work = \$549,200.00

total # of claims = 128

total existing excess credit used = \$0.00

total amount of new excess credit = \$0.00

APPENDIX 4
GEOCHEMICAL DATA

CANAMERA GEOLOGICAL LTD.

Sample Processing Summary For The OK Claims to 6/24/1996

10/8/96

COLLECTION			CONCENTRATION		SORTING									
Sample #:	NTS:	Claim:	Tabling Wt/gm.	Conc. Wt/gm.	Sort Wt/gm	Result Class:	Status:	PY	Indicator Recovery Totals:					
									EG	CD	ILM	CR	OL	
046869	86112	OK 296	5000	658	111	ANOMALOUS	I	1	0	0	2	0	0	
046895	86112	OK 294	5000	972	128	ANOMALOUS	I	0	0	0	0	0	1	
046904	86112	OK 252	5000	496	106	ANOMALOUS	I	0	0	2	1	0	1	
046905	86112	OK 251	5000	794	108	ANOMALOUS	I	0	0	3	0	0	0	
046906	86112	OK 251	5000	1120	181	ANOMALOUS	I	0	0	1	0	0	0	
046908	86111	OK 191	5000	1122	193	ANOMALOUS	I	0	0	1	1	0	0	
046911	86111	OK 185	5000	574	148	ANOMALOUS	I	1	0	1	0	0	0	
046955	86112	OK 284	5000	1252	232	ANOMALOUS	C	0	0	1	0	0	0	
046980	86112	OK 294	5000	500	106	ANOMALOUS	I	0	0	0	0	1	0	
050124	86114	OK 233	5000	628	136	ANOMALOUS	I	4	0	2	0	0	0	
050125	86114	OK 212	5000	90	240	ANOMALOUS	I	1	0	1	0	0	0	
050126	86114	OK 218	5000	656	83	ANOMALOUS	I	0	0	1	0	0	2	
050127	86111	OK 231	3800	1260	35	ANOMALOUS	C	0	0	1	0	0	0	
050129	86111	OK 229	5000	772	48	ANOMALOUS	I	0	0	1	0	0	0	
050130	86111	OK 229	4900	552	97	ANOMALOUS	C	0	0	0	0	0	1	
050131	86111	OK 204	5000	254	52	ANOMALOUS	I	0	0	1	0	0	0	
050133	86111	OK 204	5400	944	73	ANOMALOUS	C	0	1	0	0	0	1	
050134	86111	OK 204	4600	686	62	ANOMALOUS	C	0	0	1	2	0	0	
050136	86111	OK 207	5000	836	62	ANOMALOUS	I	0	0	0	1	0	0	
050138	86111	OK 207	5000	864	66	ANOMALOUS	I	1	0	1	0	0	0	
050166	86115	OK 142	5000	498	44	ANOMALOUS	I	0	0	0	1	0	0	
050171	86115	OK 141	5000	576	56	ANOMALOUS	C	0	0	0	0	0	1	
050176	86111	OK 168	4900	588	76	ANOMALOUS	C	0	0	0	1	0	0	
050178	86111	OK 168	4000	880	118	ANOMALOUS	C	0	0	1	0	0	0	
050180	86111	OK 170	5000	642	131	ANOMALOUS	I	0	1	0	0	0	0	
050376	86114	OK 235	5000	902	210	ANOMALOUS	I	0	0	1	0	0	0	
050821	86110	OK 78	5000	646	162	ANOMALOUS	I	0	0	0	0	0	1	
050823	86110	OK 102	5500	638	135	ANOMALOUS	C	0	0	1	0	0	0	
050838	86112	OK 276	3800	310	41	ANOMALOUS	C	0	0	2	0	0	0	
050839	86112	OK 275	2400	246	29	ANOMALOUS	C	0	1	0	0	0	0	
050841	86112	OK 275	4900	1204	90	ANOMALOUS	C	0	0	0	1	0	0	
050844	86112	OK 276	4300	1170	79	ANOMALOUS	C	0	0	1	0	1	0	
050884	86111	OK 230	4900	1122	94	ANOMALOUS	C	0	0	1	0	0	0	
050887	86111	OK 225	2400	242	12	ANOMALOUS	C	0	0	1	0	0	0	
050892	86110	OK 97	5100	528	89	ANOMALOUS	C	0	0	0	1	0	0	
050927	86112	OK 239	5500	916	30	ANOMALOUS	C	1	0	0	0	0	0	
050972	86115	OK 108	4500	150	24	ANOMALOUS	C	2	0	0	0	1	0	
050975	86115	OK 107	5000	574	92	ANOMALOUS	I	0	0	0	7	0	0	
050982	86111	OK 171	4200	670	56	ANOMALOUS	C	0	0	1	0	0	0	

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING								Indicator Recovery Totals:			
Sample #:	NTS:	Claim:	Tabling Wt/gm:	Conc. Wt/gm:	Sort Wt/gm:	Result Class:	Status:	PY	EG	CD	ILM	CR	OL			
050984	86112	OK 263	5000	712	115	ANOMALOUS	I	0	0	1	0	0	0			
050986	86112	OK 263	5000	906	106	ANOMALOUS	C	0	0	0	1	0	0			
050986	86112	OK 260	5500	884	138	ANOMALOUS	C	1	0	0	0	0	0			
050987	86112	OK 260	5000	1416	102	ANOMALOUS	I	0	0	0	0	0	1			
051918	86114	OK 217	4700	596	77	ANOMALOUS	C	1	0	0	0	0	0			
051928	86112	OK 238	5400	1394	88	ANOMALOUS	C	0	0	1	0	0	0			
051929	86111	OK 149	3700	744	67	ANOMALOUS	C	5	0	2	10	2	0			
051960	86111	OK 152	3600	592	84	ANOMALOUS	C	1	0	0	0	0	0			
051962	86111	OK 172	4600	642	127	ANOMALOUS	C	0	0	1	0	0	0			
052002	86110	OK 127	800	334	494	ANOMALOUS	C	1	0	0	0	0	1			
052031	86110	OK 124	5000	768	1664	ANOMALOUS	C	0	0	0	0	1	0			
052038	86110	OK 124	10300	942	3427	ANOMALOUS	C	4	2	2	1	0	0			
052040	86110	OK 124	1600	126	104	ANOMALOUS	C	0	0	1	0	0	0			
052056	86110	OK 124	2800	268	417	ANOMALOUS	C	1	0	2	0	0	0			
063326	86111	OK 231	7000	623	60	ANOMALOUS	C	0	0	0	0	0	1			
063327	86111	OK 231	5000	610	46	ANOMALOUS	I	0	0	1	0	0	0			
063328	86111	OK 220	4600	243	39	ANOMALOUS	C	0	0	1	0	0	0			
063330	86111	OK 231	4900	468	45	ANOMALOUS	C	0	0	0	0	0	1			
063338	86112	OK 252	3400	479	54	ANOMALOUS	C	0	0	1	0	0	0			
063339	86112	OK 252	5300	585	40	ANOMALOUS	C	1	0	0	0	0	0			
063341	86112	OK 265	5000	346	26	ANOMALOUS	I	0	0	4	0	0	0			
063343	86112	OK 265	3900	320	33	ANOMALOUS	C	0	0	1	0	0	0			
063604	86112	OK 261	3600	372	62	ANOMALOUS	C	0	0	1	0	0	0			
063607	86112	OK 274	4400	532	31	ANOMALOUS	C	0	0	0	0	0	1			
063609	86112	OK 278	4600	553	85	ANOMALOUS	C	0	0	0	0	0	9			
063610	86112	OK 278	4200	85	18	ANOMALOUS	C	1	0	1	0	0	15			
063613	86112	OK 265	5400	458	47	ANOMALOUS	C	0	0	1	0	0	1			
063614	86112	OK 265	6500	398	53	ANOMALOUS	I	0	0	2	1	1	1			
063616	86112	OK 265	4100	173	31	ANOMALOUS	C	0	0	1	0	0	0			
063680	86111	OK 241	3900	246	44	ANOMALOUS	C	0	0	1	0	0	0			
063682	86111	OK 241	3900	445	62	ANOMALOUS	C	1	0	0	0	0	0			
063684	86111	OK 227	3500	342	28	ANOMALOUS	C	0	0	0	0	0	1			
063686	86111	OK 227	3900	219	26	ANOMALOUS	C	0	0	1	0	0	0			
063689	86112	OK 236	4200	317	43	ANOMALOUS	I	0	0	0	0	0	1			
063690	86112	OK 236	4200	291	35	ANOMALOUS	C	0	0	0	0	0	4			
063691	86112	OK 246	3800	329	38	ANOMALOUS	C	1	0	0	0	0	0			
063695	86112	OK 290	5800	521	32	ANOMALOUS	C	0	0	0	2	0	0			
063696	86112	OK 290	2500	195	21	ANOMALOUS	C	0	0	1	0	0	0			
063697	86112	OK 290	3600	81	14	ANOMALOUS	C	0	0	0	0	0	1			
063700	86112	OK 290	5000	534	35	ANOMALOUS	I	0	0	0	0	0	1			
063744	86112	OK 260	4900	534	32	ANOMALOUS	C	0	0	0	0	0	1			
063745	86112	OK 260	5000	1068	75	ANOMALOUS	I	0	0	0	0	0	2			
063746	86112	OK 260	5000	546	52	ANOMALOUS	I	0	0	0	0	0	1			
063747	86112	OK 250	5100	772	40	ANOMALOUS	I	0	1	0	0	0	4			
063748	86112	OK 249	5100	639	60	ANOMALOUS	I	0	0	0	0	0	1			
063937	86111	OK 229	5000	667	36	ANOMALOUS	I	0	0	0	0	0	1			
063938	86111	OK 229	5200	688	17	ANOMALOUS	C	0	0	1	0	0	0			
063940	86111	OK 239	4900	590	40	ANOMALOUS	C	1	0	3	0	0	0			

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING									
Sample #:	NTS:	Claim:	Tabling Wt/gm.	Conc. Wt/gm.	Sort Wt/gm	Result Class:	Status:	PY	EG	CD	Indicator Recovery Totals:			
											LM	CR	OL	
064055	8616	OK 225	2500	127	20	ANOMALOUS	C	0	0	1	0	0	0	
064058	8616	OK 225	5100	724	69	ANOMALOUS	C	1	0	0	0	0	0	
064060	8616	OK 225	7100	739	129	ANOMALOUS	C	0	0	1	0	0	0	
064062	8616	OK 225	3700	442	66	ANOMALOUS	C	0	0	1	0	0	6	
064063	86112	OK 249	4400	392	46	ANOMALOUS	C	1	0	0	0	0	0	
064065	86112	OK 249	2300	146	20	ANOMALOUS	C	0	0	0	0	0	1	
064066	86112	OK 249	3700	420	51	ANOMALOUS	C	0	0	3	0	0	1	
064072	86112	OK 289	4300	167	22	ANOMALOUS	C	0	0	0	0	1	0	
064073	86112	OK 289	5200	261	31	ANOMALOUS	C	0	0	0	0	0	1	
064084	86112	OK 286	4600	194	34	ANOMALOUS	I	0	0	0	0	1	0	
064086	86112	OK 266	4700	620	76	ANOMALOUS	C	2	0	2	1	0	0	
064087	86112	OK 266	5000	214	46	ANOMALOUS	I	0	0	0	0	0	2	
064090	86112	OK 266	4600	154	29	ANOMALOUS	C	0	0	2	0	0	0	
064091	86112	OK 266	3600	378	54	ANOMALOUS	C	2	0	2	0	0	2	
064092	86112	OK 265	3200	191	28	ANOMALOUS	C	0	0	0	0	0	2	
064148	86111	OK 230	4700	738	16	ANOMALOUS	C	0	0	0	0	0	1	
064158	86111	OK 230	5700	963	74	ANOMALOUS	I	2	0	2	0	0	0	
064160	86111	OK 231	5000	597	56	ANOMALOUS	C	1	0	0	0	0	1	
064162	86111	OK 231	5000	292	32	ANOMALOUS	C	0	0	0	0	0	1	
064164	86111	OK 220	4500	269	28	ANOMALOUS	C	0	0	0	0	0	1	
064165	86111	OK 220	8700	236	79	ANOMALOUS	C	0	0	0	0	0	1	
064166	86111	OK 219	5900	264	46	ANOMALOUS	C	0	0	0	0	0	1	
064167	86111	OK 219	3100	152	28	ANOMALOUS	C	2	0	0	0	0	2	
064169	86111	OK 220	5400	620	72	ANOMALOUS	I	0	0	0	0	0	3	
064172	86111	OK 220	4600	372	64	ANOMALOUS	C	1	0	0	0	0	1	
064173	86111	OK 220	3900	175	51	ANOMALOUS	C	0	0	1	0	0	0	
064174	86112	OK 275	5000	285	23	ANOMALOUS	I	0	0	1	0	0	0	
064175	86112	OK 275	4700	313	29	ANOMALOUS	C	1	0	0	0	0	0	
064177	86112	OK 275	5600	617	51	ANOMALOUS	C	0	0	0	1	0	3	
064178	86112	OK 275	5900	660	59	ANOMALOUS	C	0	0	0	0	0	1	
064181	86112	OK 259	5000	808	47	ANOMALOUS	C	0	0	0	0	0	3	
064182	86112	OK 264	4400	192	31	ANOMALOUS	C	1	0	0	0	0	0	
064183	86112	OK 264	5400	991	51	ANOMALOUS	C	0	0	0	0	0	1	
064187	86112	OK 264	5500	181	19	ANOMALOUS	C	0	0	0	0	0	1	
064188	86112	OK 273	5400	176	20	ANOMALOUS	C	0	0	0	0	0	1	
064190	86112	OK 274	4800	355	22	ANOMALOUS	C	0	0	1	0	0	4	
064191	86112	OK 274	3900	279	27	ANOMALOUS	C	1	0	3	0	0	0	
064192	86112	OK 274	2400	116	13	ANOMALOUS	C	1	0	0	0	0	0	
064193	86112	OK 251	5500	364	24	ANOMALOUS	C	0	0	0	0	0	1	
064202	86111	OK 229	5000	199	21	ANOMALOUS	I	0	0	0	0	0	1	
064205	86111	OK 230	4800	573	45	ANOMALOUS	C	0	0	1	0	0	0	
064212	86112	OK 260	4800	395	33	ANOMALOUS	C	0	0	1	0	0	0	
064213	86112	OK 260	5900	926	66	ANOMALOUS	C	1	0	0	0	0	0	
064214	86112	OK 261	5600	673	80	ANOMALOUS	C	1	0	0	0	0	1	
064216	86112	OK 261	5000	453	99	ANOMALOUS	C	1	0	0	0	0	0	
064217	86112	OK 275	4100	175	38	ANOMALOUS	C	1	0	0	0	0	0	
064218	86112	OK 276	1900	186	14	ANOMALOUS	C	0	0	1	0	0	0	
064220	86112	OK 276	3800	478	30	ANOMALOUS	C	0	0	2	0	0	0	

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING									
Sample #:	NTS:	Claim:	Tabling Wt/lb	Conc. Wt/lb	Sort Wt/lb	Result Class:	Status:	Indicator Recovery Totals:						
								PY	EG	CD	ILM	CR	OL	
064221	86112	OK 276	3900	299	29	ANOMALOUS	C	0	0	5	0	0	7	
064224	86112	OK 276	3000	119	20	ANOMALOUS	C	0	0	0	0	1	1	
064260	86113	OK 276	5600	328	18	ANOMALOUS	I	0	0	0	0	0	2	
064262	86113	OK 276	5900	218	23	ANOMALOUS	C	0	0	2	0	0	3	
064264	86113	OK 276	5000	504	50	ANOMALOUS	I	1	0	1	0	0	2	
064265	86113	OK 276	4100	188	31	ANOMALOUS	I	0	0	0	0	0	1	
064266	86112	OK 276	4900	673	39	ANOMALOUS	C	0	0	0	0	0	1	
064268	86112	OK 260	3900	134	18	ANOMALOUS	C	1	1	0	0	0	1	
064269	86112	OK 260	5000	456	51	ANOMALOUS	I	0	0	0	0	0	1	
064261	86112	OK 260	5800	516	47	ANOMALOUS	C	1	0	0	0	0	3	
064262	86112	OK 273	1700	105	6	ANOMALOUS	C	0	0	1	0	0	1	
064263	86112	OK 251	4300	93	11	ANOMALOUS	C	0	0	1	0	0	1	
064265	86112	OK 251	5500	240	4	ANOMALOUS	C	0	0	0	0	0	1	
064268	86112	OK 251	3500	255	22	ANOMALOUS	C	0	0	0	0	0	1	
064269	86112	OK 251	2900	95	18	ANOMALOUS	C	1	0	1	0	0	0	
064270	86112	OK 258	2800	70	3	ANOMALOUS	C	0	0	0	0	0	1	
064300	86112	OK 290	3500	142	14	ANOMALOUS	C	0	0	0	0	0	1	
064303	86112	OK 274	2800	53	5	ANOMALOUS	C	0	0	0	0	4	1	
064305	86112	OK 263	4200	107	13	ANOMALOUS	C	1	0	0	0	0	0	
064306	86112	OK 263	3400	290	22	ANOMALOUS	C	1	0	0	0	0	0	
064308	86112	OK 263	3900	83	12	ANOMALOUS	C	0	0	0	0	0	1	
064309	86112	OK 263	2100	176	21	ANOMALOUS	I	0	0	0	0	0	1	
064313	86112	OK 243	4700	148	22	ANOMALOUS	C	0	0	0	0	0	1	
064314	86112	OK 243	5400	455	69	ANOMALOUS	C	0	0	1	0	0	1	
064315	86112	OK 243	5000	237	45	ANOMALOUS	C	0	0	0	0	0	1	
064316	86112	OK 243	2700	475	23	ANOMALOUS	C	1	0	0	0	0	1	
064317	86112	OK 243	4000	386	46	ANOMALOUS	C	0	0	0	0	0	2	
064318	86112	OK 252	2800	460	21	ANOMALOUS	C	0	0	0	0	0	2	
064319	86112	OK 252	2800	299	24	ANOMALOUS	C	0	0	0	0	0	2	
064351	86112	OK 251	5800	636	82	ANOMALOUS	C	0	0	1	0	0	0	
064352	86112	OK 251	3900	213	35	ANOMALOUS	C	0	0	0	0	0	1	
064353	86112	OK 252	5800	201	22	ANOMALOUS	C	0	0	0	0	0	1	
064354	86112	OK 252	5800	581	61	ANOMALOUS	C	0	0	0	3	0	0	
064355	86112	OK 252	5400	129	15	ANOMALOUS	C	2	0	0	0	0	0	

169 ANOMALOUS Samples

043967	86111	OK 228				BARREN	I	0	0	0	0	0	0
046841	86112	OK 296	5000	592	92	BARREN	I	0	0	0	0	0	0
046842	86112	OK 296	5500	728	125	BARREN	C	0	0	0	0	0	0
046843	86115	OK 296	5000	630	96	BARREN	I	0	0	0	0	0	0
046844	86115	OK 296	5000	874	130	BARREN	I	0	0	0	0	0	0
046870	86112	OK 296	5000	1546	251	BARREN	I	0	0	0	0	0	0
046871	86115	OK 296	5000	832	101	BARREN	I	0	0	0	0	0	0
046872	86115	OK 296	5400	742	110	BARREN	C	0	0	0	0	0	0
046894	86112	OK 294	5000	1094	246	BARREN	I	0	0	0	0	0	0
046896	86112	OK 294	5000	746	188	BARREN	I	0	0	0	0	0	0
046903	86112	OK 252	5000	1072	126	BARREN	I	0	0	0	0	0	0
046909	86111	OK 191	5000	906	143	BARREN	I	0	0	0	0	0	0

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING									
Sample #:	NTS:	Claim:	Tabling Wt/gm.	Conc. Wt/gm.	Sort Wt/gm	Result Class:	Status:	PY	Indicator Recovery Totals:					
									EG	CD	ILM	CR	OL	
046910	86111	OK 185	5000	438	111	BARREN	I	0	0	0	0	0	0	
046912	86111	OK 173	5000	514	81	BARREN	I	0	0	0	0	0	0	
046917	86116	OK 13	4800	288	121	BARREN	I	0	0	0	0	0	0	
046918	86115	OK 12	5000	340	54	BARREN	C	0	0	0	0	0	0	
046919	86115	OK 12	5000	286	54	BARREN	I	0	0	0	0	0	0	
046920	86115	OK 12	5000	462	70	BARREN	C	0	0	0	0	0	0	
046921	86115	OK 11	5000	192	27	BARREN	I	0	0	0	0	0	0	
046922	86116	OK 11	5000	532	76	BARREN	I	0	0	0	0	0	0	
046956	86112	OK 284	5000	940	118	BARREN	I	0	0	0	0	0	0	
046957	86112	OK 284	5400	1022	167	BARREN	C	0	0	0	0	0	0	
046958	86112	OK 284	5000	778	86	BARREN	I	0	0	0	0	0	0	
046959	86112	OK 293	5200	682	83	BARREN	C	0	0	0	0	0	0	
046975	86115	OK 93	5300	580	180	BARREN	C	0	0	0	0	0	0	
046978	86112	OK 299	5000	886	134	BARREN	I	0	0	0	0	0	0	
046979	86112	OK 294	5000	978	125	BARREN	I	0	0	0	0	0	0	
050117	86114	OK 161	5000	386	141	BARREN	I	0	0	0	0	0	0	
050118	86114	OK 158	5000	424	85	BARREN	I	0	0	0	0	0	0	
050119	86114	OK 158	5000	786	231	BARREN	I	0	0	0	0	0	0	
050120	86114	OK 158	5000	728	101	BARREN	I	0	0	0	0	0	0	
050121	86114	OK 143	5000	596	25	BARREN	I	0	0	0	0	0	0	
050122	86114	OK 232	5000	648	77	BARREN	I	0	0	0	0	0	0	
050123	86114	OK 233	5500	966	92	BARREN	C	0	0	0	0	0	0	
050128	86111	OK 229	5000	862	51	BARREN	I	0	0	0	0	0	0	
050132	86111	OK 204	5000	612	83	BARREN	I	0	0	0	0	0	0	
050135	86111	OK 204	5000	586	80	BARREN	I	0	0	0	0	0	0	
050137	86111	OK 207	5500	830	64	BARREN	C	0	0	0	0	0	0	
050139	86111	OK 204	5400	736	79	BARREN	C	0	0	0	0	0	0	
050140	86119	OK 17	5500	710	448	BARREN	C	0	0	0	0	0	0	
050141	86119	OK 17	5000	902	206	BARREN	H	0	0	0	0	0	0	
050142	86119	OK 18	5000	572	253	BARREN	I	0	0	0	0	0	0	
050143	86110	OK 20	4900	414	132	BARREN	C	0	0	0	0	0	0	
050163	86115	OK 135	2600	324	38	BARREN	C	0	0	0	0	0	0	
050164	86115	OK 135	5000	472	142	BARREN	I	0	0	0	0	0	0	
050165	86115	OK 143	5000	698	40	BARREN	I	0	0	0	0	0	0	
050167	86115	OK 141	3200	392	21	BARREN	C	0	0	0	0	0	0	
050168	86114	OK 141	5500	464	80	BARREN	C	0	0	0	0	0	0	
050169	86115	OK 141	3400	680	56	BARREN	C	0	0	0	0	0	0	
050170	86115	OK 141	2400	380	20	BARREN	C	0	0	0	0	0	0	
050172	86115	OK 141	1400	202	14	BARREN	C	0	0	0	0	0	0	
050175	86111	OK 151	5000	848	46	BARREN	I	0	0	0	0	0	0	
050177	86111	OK 168	3700	312	49	BARREN	C	0	0	0	0	0	0	
050179	86111	OK 168	4000	624	58	BARREN	C	0	0	0	0	0	0	
050181	86111	OK 171	5300	600	80	BARREN	C	0	0	0	0	0	0	
050192	86116	OK 15	5500	726	110	BARREN	C	0	0	0	0	0	0	
050196	86111	OK 171				BARREN	I	0	0	0	0	0	0	
050197	86111	OK 171				BARREN	I	0	0	0	0	0	0	
050212	86116	OK 10	4100	408	41	BARREN	C	0	0	0	0	0	0	
050252	86116	OK 13	5000	392	58	BARREN	I	0	0	0	0	0	0	

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING									
Sample #:	NTS:	Claim:	Tabling Wt/gm:	Conc. Wt/gm:	Sort Wt/gm	Result Class:	Status:	PY	Indicator Recovery Totals:					
									EG	CD	ILM	CR	OL	
050253	86116	OK 13	5000	432	64	BARREN	I	0	0	0	0	0	0	
050254	86116	OK 13	5100	570	109	BARREN	C	0	0	0	0	0	0	
050255	86116	OK 13	4100	340	40	BARREN	C	0	0	0	0	0	0	
050256	86115	OK 33	5000	396	78	BARREN	I	0	0	0	0	0	0	
050257	86115	OK 33	4400	286	47	BARREN	C	0	0	0	0	0	0	
050258	86115	OK 33	5000	220	86	BARREN	I	0	0	0	0	0	0	
050301	86116	OK 10	5000	424	48	BARREN	C	0	0	0	0	0	0	
050302	86116	OK 10	5000	244	51	BARREN	I	0	0	0	0	0	0	
050304	86116	OK 10	5000	878	95	BARREN	I	0	0	0	0	0	0	
050306	86116	OK 11	5000	496	77	BARREN	I	0	0	0	0	0	0	
050375	86114	OK 216	5300	766	89	BARREN	C	0	0	0	0	0	0	
050377	86114	OK 216	5500	922	186	BARREN	C	0	0	0	0	0	0	
050378	86114	OK 216	5000	844	86	BARREN	I	0	0	0	0	0	0	
050504	86114	OK 142	5000	1026	70	BARREN	I	0	0	0	0	0	0	
050505	86114	OK 159	5000	1054	52	BARREN	C	0	0	0	0	0	0	
050506	86114	OK 159	5500	1082	46	BARREN	C	0	0	0	0	0	0	
050507	86114	OK 160	3900	580	42	BARREN	C	0	0	0	0	0	0	
050818	86H10	OK 78	5000	592	173	BARREN	I	0	0	0	0	0	0	
050819	86H10	OK 99	4500	620	99	BARREN	C	0	0	0	0	0	0	
050820	86H10	OK 78	4100	848	120	BARREN	C	0	0	0	0	0	0	
050822	86H10	OK 99	5000	360	58	BARREN	I	0	0	0	0	0	0	
050824	86H10	OK 99	5200	494	72	BARREN	C	0	0	0	0	0	0	
050825	86115	OK 39	5000	468	82	BARREN	I	0	0	0	0	0	0	
050826	86115	OK 39	5000	334	73	BARREN	I	0	0	0	0	0	0	
050827	86115	OK 39	5000	574	82	BARREN	I	0	0	0	0	0	0	
050828	86115	OK 60	5000	414	70	BARREN	I	0	0	0	0	0	0	
050829	86115	OK 60	5000	548	170	BARREN	I	0	0	0	0	0	0	
050830	86114	OK 140	3900	366	37	BARREN	C	0	0	0	0	0	0	
050831	86114	OK 140	5000	1574	89	BARREN	I	0	0	0	0	0	0	
050832	86114	OK 140	5500	756	68	BARREN	C	0	0	0	0	0	0	
050833	86114	OK 140	3800	470	18	BARREN	C	0	0	0	0	0	0	
050834	86114	OK 141	4500	542	25	BARREN	C	0	0	0	0	0	0	
050840	86112	OK 275	5000	946	145	BARREN	I	0	0	0	0	0	0	
050842	86112	OK 275	3000	666	37	BARREN	C	0	0	0	0	0	0	
050843	86112	OK 276	5000	576	92	BARREN	C	0	0	0	0	0	0	
050845	86112	OK 276	4800	966	49	BARREN	C	0	0	0	0	0	0	
050846	86110	OK 132	4900	618	163	BARREN	C	0	0	0	0	0	0	
050847	86110	OK 145	5000	750	154	BARREN	I	0	0	0	0	0	0	
050848	86110	OK 131	4800	366	64	BARREN	C	0	0	0	0	0	0	
050849	86110	OK 120	4000	166	58	BARREN	C	0	0	0	0	0	0	
050850	86110	OK 120	5400	508	103	BARREN	C	0	0	0	0	0	0	
050875	86115	OK 31	4300	488	109	BARREN	C	0	0	0	0	0	0	
050876	86115	OK 42	3000	110	48	BARREN	C	0	0	0	0	0	0	
050877	86115	OK 42	3900	316	91	BARREN	C	0	0	0	0	0	0	
050878	86115	OK 42	3300	76	9	BARREN	C	0	0	0	0	0	0	
050879	86115	OK 41	4000	146	91	BARREN	C	0	0	0	0	0	0	
050880	86114	OK 181	5000	606	76	BARREN	I	0	0	0	0	0	0	
050881	86114	OK 181	5000	588	87	BARREN	I	0	0	0	0	0	0	

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING								Indicator Recovery Totals:			
Sample #:	NTS:	Claim:	Tabling W/gm.	Conc. W/gm.	Sort W/gm	Result Class.	Status:	PY	EG	CD	ILM	CR	OL			
050882	86114	OK 181	4800	568	117	BARREN	C	0	0	0	0	0	0			
050883	86111	OK 230	4500	856	49	BARREN	C	0	0	0	0	0	0			
050885	86111	OK 221	5500	1580	88	BARREN	C	0	0	0	0	0	0			
050886	86111	OK 221	4200	872	19	BARREN	C	0	0	0	0	0	0			
050888	86111	OK 225	4500	1034	57	BARREN	C	0	0	0	0	0	0			
050889	86111	OK 225	5000	1262	129	BARREN	I	0	0	0	0	0	0			
050890	86111	OK 227	1400	108	12	BARREN	C	0	0	0	0	0	0			
050891	86111	OK 190	3700	854	34	BARREN	C	0	0	0	0	0	0			
050893	86110	OK 104	5300	342	83	BARREN	C	0	0	0	0	0	0			
050894	86110	OK 97	5200	384	51	BARREN	C	0	0	0	0	0	0			
050915	86115	OK 63	3200	814	86	BARREN	C	0	0	0	0	0	0			
050916	86115	OK 64	5500	776	59	BARREN	C	0	0	0	0	0	0			
050917	86115	OK 64	4700	764	75	BARREN	C	0	0	0	0	0	0			
050918	86115	OK 61	5500	596	84	BARREN	C	0	0	0	0	0	0			
050919	86115	OK 64	4000	638	65	BARREN	C	0	0	0	0	0	0			
050920	86115	OK 64	4400	178	47	BARREN	C	0	0	0	0	0	0			
050921	86115	OK 41	5000	372	138	BARREN	C	0	0	0	0	0	0			
050922	86115	OK 42	5300	744	278	BARREN	C	0	0	0	0	0	0			
050923	86115	OK 117	4100	598	30	BARREN	C	0	0	0	0	0	0			
050928	86112	OK 244	300	96	9	BARREN	C	0	0	0	0	0	0			
050929	86112	OK 250	4800	644	105	BARREN	I	0	0	0	0	0	0			
050930	86112	OK 251	5000	772	114	BARREN	I	0	0	0	0	0	0			
050931	86112	OK 251	1800	94	27	BARREN	C	0	0	0	0	0	0			
050932	86112	OK 251	2100	134	11	BARREN	C	0	0	0	0	0	0			
050933	86110	OK 16	5000	258	61	BARREN	I	0	0	0	0	0	0			
050934	86110	OK 30	5000	490	124	BARREN	I	0	0	0	0	0	0			
050935	86110	OK 30	4900	990	145	BARREN	H	0	0	0	0	0	0			
050942	86116	OK 12	4600	496	61	BARREN	C	0	0	0	0	0	0			
050947	8619	OK 19	4200	696	127	BARREN	C	0	0	0	0	0	0			
050948	8619	OK 19	5200	708	193	BARREN	C	0	0	0	0	0	0			
050949	8619	OK 19	5300	276	117	BARREN	C	0	0	0	0	0	0			
050970	86115	OK 108	5000	172	39	BARREN	I	0	0	0	0	0	0			
050971	86115	OK 108	5000	330	105	BARREN	C	0	0	0	0	0	0			
050973	86115	OK 107	5100	238	38	BARREN	C	0	0	0	0	0	0			
050974	86115	OK 107	4800	280	25	BARREN	C	0	0	0	0	0	0			
050976	86115	OK 33	5000	258	97	BARREN	I	0	0	0	0	0	0			
050977	86115	OK 33	5000	228	41	BARREN	I	0	0	0	0	0	0			
050978	86115	OK 110	4200	798	28	BARREN	C	0	0	0	0	0	0			
050979	86115	OK 110	2000	152	7	BARREN	C	0	0	0	0	0	0			
050980	86115	OK 110	1900	314	12	BARREN	C	0	0	0	0	0	0			
050981	86111	OK 188	3400	894	35	BARREN	C	0	0	0	0	0	0			
050983	86112	OK 263	1500	78	15	BARREN	C	0	0	0	0	0	0			
050988	86112	OK 260	5000	872	37	BARREN	I	0	0	0	0	0	0			
050989	86112	OK 260	3700	734	39	BARREN	C	0	0	0	0	0	0			
050990	86111	OK 145	4800	394	81	BARREN	C	0	0	0	0	0	0			
050991	86111	OK 156	5000	536	117	BARREN	I	0	0	0	0	0	0			
050992	86111	OK 158	3300	142	11	BARREN	C	0	0	0	0	0	0			
050993	86111	OK 156	5000	254	83	BARREN	I	0	0	0	0	0	0			

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING								
Sample #:	NTS:	Claim:	Tabling Wt/gm:	Conc. Wt/gm:	Sort Wt/gm	Result Class:	Status:	PY	EG	Indicator Recovery Totals:			
										CD	LM	CR	OL
050994	8619	OK 17	5500	620	121	BARREN	C	0	0	0	0	0	0
050995	8619	OK 17	5000	864	142	BARREN	I	0	0	0	0	0	0
050996	8619	OK 17	4900	1110	186	BARREN	C	0	0	0	0	0	0
050997	8619	OK 17	5000	576	118	BARREN	I	0	0	0	0	0	0
050998	8619	OK 18	5200	380	11	BARREN	C	0	0	0	0	0	0
051915	86115	OK 93	5300	564	181	BARREN	C	0	0	0	0	0	0
051916	86115	OK 93	5100	344	98	BARREN	C	0	0	0	0	0	0
051917	86114	OK 235	3400	542	44	BARREN	C	0	0	0	0	0	0
051919	86114	OK 217	4900	672	83	BARREN	C	0	0	0	0	0	0
051920	86114	OK 217	3800	964	136	BARREN	C	0	0	0	0	0	0
051921	86111	OK 193	5000	562	60	BARREN	I	0	0	0	0	0	0
051922	86111	OK 193	4400	474	49	BARREN	C	0	0	0	0	0	0
051923	86111	OK 202	5400	882	123	BARREN	C	0	0	0	0	0	0
051924	86112	OK 259	2000	348	29	BARREN	C	0	0	0	0	0	0
051925	86112	OK 250	2900	736	47	BARREN	C	0	0	0	0	0	0
051926	86112	OK 249	5100	1012	53	BARREN	C	0	0	0	0	0	0
051927	86112	OK 236	3200	774	37	BARREN	C	0	0	0	0	0	0
051930	86111	OK 149	3600	258	56	BARREN	C	0	0	0	0	0	0
051959	86111	OK 152	600	196	8	BARREN	C	0	0	0	0	0	0
051961	86111	OK 167	5300	1172	144	BARREN	C	0	0	0	0	0	0
051963	86111	OK 172	3000	620	75	BARREN	C	0	0	0	0	0	0
052003	86110	OK 127	300	108	130	BARREN	C	0	0	0	0	0	0
052004	86110	OK 127	900	292	430	BARREN	C	0	0	0	0	0	0
052009	86110	OK 127	100	4	12	BARREN	C	0	0	0	0	0	0
052020	86110	OK 124	200	84	111	BARREN	C	0	0	0	0	0	0
052022	86110	OK 124	200	108	133	BARREN	C	0	0	0	0	0	0
052023	86110	OK 124	300	132	239	BARREN	C	0	0	0	0	0	0
052024	86110	OK 124	200	54	113	BARREN	C	0	0	0	0	0	0
052025	86110	OK 124	300	112	193	BARREN	C	0	0	0	0	0	0
052026	86110	OK 124	1300	262	720	BARREN	C	0	0	0	0	0	0
052028	86110	OK 127	800	460	571	BARREN	C	0	0	0	0	0	0
052029	86110	OK 127	2400	148	86	BARREN	C	0	0	0	0	0	0
052030	86110	OK 124	1600	382	782	BARREN	C	0	0	0	0	0	0
052033	86110	OK 124	1000	402	556	BARREN	C	0	0	0	0	0	0
052035	86110	OK 124	400	178	252	BARREN	C	0	0	0	0	0	0
052036	86110	OK 124	700	318	352	BARREN	C	0	0	0	0	0	0
052037	86110	OK 124			19	BARREN	C	0	0	0	0	0	0
052039	86110	OK 124	13400	2508	3785	BARREN	C	0	0	0	0	0	0
052041	86110	OK 124	800	300	230	BARREN	C	0	0	0	0	0	0
052042	86110	OK 124	1000	366	149	BARREN	C	0	0	0	0	0	0
052043	86110	OK 124	400	136	116	BARREN	C	0	0	0	0	0	0
052044	86110	OK 124	100	32	34	BARREN	C	0	0	0	0	0	0
052045	86110	OK 124	100	10	23	BARREN	C	0	0	0	0	0	0
052046	86110	OK 124	100	30	58	BARREN	C	0	0	0	0	0	0
052047	86110	OK 124	100	36	54	BARREN	C	0	0	0	0	0	0
052049	86110	OK 124	100	8	23	BARREN	C	0	0	0	0	0	0
052050	86110	OK 101	300	132	209	BARREN	C	0	0	0	0	0	0
052051	86110	OK 101	400	150	230	BARREN	C	0	0	0	0	0	0

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING									
Sample #:	NTS:	Claim:	Tabling Wt/gm:	Conc. Wt/gm:	Sort Wt/gm	Result Class:	Status:	PY	Indicator Recovery Totals:					
									EG	CD	ILM	CR	OL	
052053	86110	OK 101	400	166	267	BARREN	C	0	0	0	0	0	0	
052054	86110	OK 124	100	28	50	BARREN	C	0	0	0	0	0	0	
052055	86110	OK 124	300	142	221	BARREN	C	0	0	0	0	0	0	
063326	86111	OK 231	5000	310	50	BARREN	C	0	0	0	0	0	0	
063329	86111	OK 231	4600	567	51	BARREN	C	0	0	0	0	0	0	
063331	86112	OK 273	5000	756	63	BARREN	C	0	0	0	0	0	0	
063332	86112	OK 273	800	378	20	BARREN	C	0	0	0	0	0	0	
063333	86112	OK 273	300	166	6	BARREN	C	0	0	0	0	0	0	
063334	86112	OK 273	2800	299	30	BARREN	C	0	0	0	0	0	0	
063335	86112	OK 273	2100	53	4	BARREN	C	0	0	0	0	0	0	
063336	86112	OK 252	4200	544	27	BARREN	C	0	0	0	0	0	0	
063337	86112	OK 252	5100	376	6	BARREN	I	0	0	0	0	0	0	
063340	86112	OK 285	3400	357	32	BARREN	C	0	0	0	0	0	0	
063342	86112	OK 265	5800	725	33	BARREN	C	0	0	0	0	0	0	
063601	86112	OK 261	5100	642	90	BARREN	C	0	0	0	0	0	0	
063602	86112	OK 261	3500	1026	148	BARREN	C	0	0	0	0	0	0	
063603	86112	OK 261	3900	248	33	BARREN	C	0	0	0	0	0	0	
063605	86112	OK 274	4000	340	47	BARREN	C	0	0	0	0	0	0	
063606	86112	OK 274	2800	410	32	BARREN	C	0	0	0	0	0	0	
063608	86112	OK 274	1374	1374	198	BARREN	C	0	0	0	0	0	0	
063611	86112	OK 278	5000	1268	68	BARREN	I	0	0	0	0	0	0	
063612	86112	OK 265	3400	371	23	BARREN	C	0	0	0	0	0	0	
063615	86112	OK 265	4800	729	32	BARREN	C	0	0	0	0	0	0	
063617	86112	OK 265	2800	412	22	BARREN	I	0	0	0	0	0	0	
063677	8615	OK 241	4000	117	12	BARREN	C	0	0	0	0	0	0	
063678	86112	OK 241	4100	542	66	BARREN	C	0	0	0	0	0	0	
063679	86111	OK 241	5200	711	64	BARREN	C	0	0	0	0	0	0	
063681	86111	OK 241	4700	255	40	BARREN	C	0	0	0	0	0	0	
063683	86111	OK 241	3400	145	13	BARREN	C	0	0	0	0	0	0	
063686	86111	OK 227	3800	237	22	BARREN	C	0	0	0	0	0	0	
063687	86112	OK 236	3000	459	22	BARREN	C	0	0	0	0	0	0	
063688	86112	OK 236	4600	309	27	BARREN	C	0	0	0	0	0	0	
063692	86112	OK 246	3100	276	35	BARREN	C	0	0	0	0	0	0	
063693	86112	OK 246	6400	235	49	BARREN	C	0	0	0	0	0	0	
063694	86112	OK 246	2900	436	34	BARREN	C	0	0	0	0	0	0	
063698	86112	OK 290	5600	595	59	BARREN	C	0	0	0	0	0	0	
063699	86112	OK 290	3500	211	12	BARREN	C	0	0	0	0	0	0	
063749	86112	OK 249	5800	532	63	BARREN	C	0	0	0	0	0	0	
063939	86111	OK 239	4800	617	68	BARREN	C	0	0	0	0	0	0	
063941	86111	OK 239	4900	1261	54	BARREN	C	0	0	0	0	0	0	
063942	86112	OK 239	4100	348	4	BARREN	C	0	0	0	0	0	0	
063943	86111	OK 228	2900	470	45	BARREN	C	0	0	0	0	0	0	
063944	86111	OK 228	5000	588	55	BARREN	I	0	0	0	0	0	0	
063945	86111	OK 228	4200	288	53	BARREN	C	0	0	0	0	0	0	
063946	86111	OK 229	6800	376	40	BARREN	C	0	0	0	0	0	0	
063947	86111	OK 229	4400	449	44	BARREN	C	0	0	0	0	0	0	
063948	86111	OK 229	5600	730	42	BARREN	C	0	0	0	0	0	0	
063949	86111	OK 229	4700	306	32	BARREN	C	0	0	0	0	0	0	

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING								
Sample #:	NTS:	Claim:	Tabling Wt/gm:	Conc. Wt/gm:	Sort Wt/gm	Result Class:	Status:	PY	EG	Indicator Recovery Totals:			
										CD	LM	CR	OL
063950	86112	OK 261	2000	218	25	BARREN	C	0	0	0	0	0	0
064054	86111	OK 225	5400	613	86	BARREN	C	0	0	0	0	0	0
064056	8616	OK 225	2500	234	32	BARREN	C	0	0	0	0	0	0
064057	8616	OK 225	2900	460	62	BARREN	C	0	0	0	0	0	0
064059	8616	OK 225	4700	345	38	BARREN	C	0	0	0	0	0	0
064061	8616	OK 225	1800	50	15	BARREN	C	0	0	0	0	0	0
064064	86112	OK 249	4300	622	61	BARREN	C	0	0	0	0	0	0
064067	86112	OK 246	1400	73	12	BARREN	C	0	0	0	0	0	0
064068	86112	OK 246	3900	291	20	BARREN	C	0	0	0	0	0	0
064069	86112	OK 246	4800	309	44	BARREN	C	0	0	0	0	0	0
064070	86112	OK 290	5000	334	35	BARREN	I	0	0	0	0	0	0
064071	86112	OK 290	5000	873	64	BARREN	I	0	0	0	0	0	0
064074	86112	OK 289	3000	569	42	BARREN	C	0	0	0	0	0	0
064075	86112	OK 289	2400	85	10	BARREN	C	0	0	0	0	0	0
064076	86112	OK 289	2400	202	18	BARREN	C	0	0	0	0	0	0
064077	86112	OK 289	4000	158	22	BARREN	C	0	0	0	0	0	0
064078	86112	OK 293	3800	399	41	BARREN	C	0	0	0	0	0	0
064079	86112	OK 283	3400	301	31	BARREN	C	0	0	0	0	0	0
064080	86112	OK 286	2800	283	14	BARREN	C	0	0	0	0	0	0
064081	86112	OK 286	2800	49	9	BARREN	C	0	0	0	0	0	0
064082	86112	OK 286	3700	268	17	BARREN	C	0	0	0	0	0	0
064083	86112	OK 286	3500	120	6	BARREN	C	0	0	0	0	0	0
064085	86112	OK 257	4000	201	25	BARREN	C	0	0	0	0	0	0
064088	86112	OK 286	5600	291	43	BARREN	I	0	0	0	0	0	0
064089	86112	OK 286	5200	855	70	BARREN	C	0	0	0	0	0	0
064147	86111	OK 230	3700	115	13	BARREN	C	0	0	0	0	0	0
064149	86111	OK 238	3600	235	12	BARREN	C	0	0	0	0	0	0
064150	86111	OK 238	3900	547	31	BARREN	C	0	0	0	0	0	0
064157	86111	OK 230	6400	747	68	BARREN	I	0	0	0	0	0	0
064159	86111	OK 230	4700	764	40	BARREN	C	0	0	0	0	0	0
064161	86111	OK 231	4800	177	31	BARREN	I	0	0	0	0	0	0
064163	86111	OK 220	6000	312	45	BARREN	C	0	0	0	0	0	0
064168	86111	OK 220	3900	259	47	BARREN	C	0	0	0	0	0	0
064170	86111	OK 220	5900	136	22	BARREN	C	0	0	0	0	0	0
064171	86111	OK 220	5000	227	41	BARREN	I	0	0	0	0	0	0
064176	86112	OK 276	5600	764	54	BARREN	C	0	0	0	0	0	0
064179	86112	OK 275	4700	149	12	BARREN	C	0	0	0	0	0	0
064180	86112	OK 275	3900	638	16	BARREN	C	0	0	0	0	0	0
064184	86112	OK 264	5200	128	16	BARREN	C	0	0	0	0	0	0
064185	86112	OK 264	4100	132	16	BARREN	C	0	0	0	0	0	0
064186	86112	OK 264	5000	431	23	BARREN	C	0	0	0	0	0	0
064189	86112	OK 251	3600	75	8	BARREN	C	0	0	0	0	0	0
064194	86112	OK 251	3500	553	18	BARREN	C	0	0	0	0	0	0
064195	86112	OK 251	5700	695	55	BARREN	C	0	0	0	0	0	0
064196	86112	OK 251	4700	129	20	BARREN	C	0	0	0	0	0	0
064197	86112	OK 249	5000	613	46	BARREN	C	0	0	0	0	0	0
064198	86112	OK 249	4100	114	20	BARREN	C	0	0	0	0	0	0
064199	86111	OK 229	5700	646	41	BARREN	C	0	0	0	0	0	0

Status Legend: I=initial sort, H=half sort, Q=quarter sort, F=final result, C=complete

COLLECTION			CONCENTRATION		SORTING								
Sample #:	NTS:	Claim:	Tabling Wt/am:	Conc. Wt/am:	Sort Wt/am	Result Class:	Status:	Indicator Recovery Totals:					
								PY	EG	CD	ILM	CR	OL
064200	86H11	OK 229	5900	179	19	BARREN	C	0	0	0	0	0	0
064201	86H11	OK 238	4800	274	19	BARREN	C	0	0	0	0	0	0
064203	86H11	OK 230	4000	92	5	BARREN	C	0	0	0	0	0	0
064204	86H11	OK 230	5200	176	18	BARREN	C	0	0	0	0	0	0
064207	86H11	OK 230	4400	252	8	BARREN	C	0	0	0	0	0	0
064208	86H11	OK 230	5800	589	74	BARREN	C	0	0	0	0	0	0
064209	86H12	OK 260	5000	299	36	BARREN	C	0	0	0	0	0	0
064210	86H12	OK 260	3700	89	12	BARREN	C	0	0	0	0	0	0
064211	86H12	OK 260	4300	388	51	BARREN	C	0	0	0	0	0	0
064215	86H12	OK 261	5300	408	119	BARREN	C	0	0	0	0	0	0
064219	86H12	OK 276	2500	71	8	BARREN	C	0	0	0	0	0	0
064222	86H12	OK 276	2200	143	6	BARREN	C	0	0	0	0	0	0
064223	86H12	OK 276	1900	140	6	BARREN	C	0	0	0	0	0	0
064251	86H13	OK 276	5100	347	18	BARREN	C	0	0	0	0	0	0
064253	86H13	OK 276	4100	364	18	BARREN	I	0	0	0	0	0	0
064257	86H12	OK 260	5000	588	84	BARREN	I	0	0	0	0	0	0
064260	86H12	OK 260	5000	547	48	BARREN	I	0	0	0	0	0	0
064264	86H12	OK 251	3200	365	10	BARREN	C	0	0	0	0	0	0
064266	86H12	OK 251	2000	132	11	BARREN	C	0	0	0	0	0	0
064267	86H12	OK 251	1200	90	16	BARREN	C	0	0	0	0	0	0
064271	86H12	OK 258	1500	22	2	BARREN	C	0	0	0	0	0	0
064301	86H12	OK 290	5000	218	17	BARREN	I	0	0	0	0	0	0
064302	86H12	OK 290	4700	214	18	BARREN	C	0	0	0	0	0	0
064304	86H12	OK 274	2500	155	10	BARREN	C	0	0	0	0	0	0
064307	86H12	OK 263	5200	648	58	BARREN	C	0	0	0	0	0	0
064310	86H12	OK 278	8100	1114	489	BARREN	C	0	0	0	0	0	0
064311	86H12	OK 243	4800	389	40	BARREN	C	0	0	0	0	0	0
064312	86H12	OK 243	4600	496	49	BARREN	C	0	0	0	0	0	0

328 BARREN Samples

APPENDIX 5
REFERENCES AND BIBLIOGRAPHY

REFERENCES AND BIBLIOGRAPHY

Aylsworth, J.M. and Shilts, W.W.

1988. Glacial Features Around The Keewatin Ice Divide: District of Mackenzie. Geological Survey of Canada. Map 24-1987.

Bostock, H. H.

1980. Geology of the Itchen Lake area, District of Mackenzie. Geological Survey of Canada. Memoir 391

Drift Exploration in Glaciated and Mountainous Terrain.

1994. Proceeding of Short Course by British Columbia Environmental Geology Section, Geological Survey Branch, MEMPR. January, 1994.

Diamonds: Exploration, Sampling and Evaluation.

1993. Proceedings of Short Course by Prospectors and Developers Association of Canada. May 1993.

Dredge, L.A., Ward, B.C., and Kerr, D.E.

1994. Glacial geology and implications for drift prospecting in the Lac de Gras, Winter Lake and Aylmer Lake map areas, central Slave Province, Northwest Territories; in Current Research 1994-C; Geological Survey of Canada, p. 33-38.

Dunne, K.P.E. and Grant, B. (eds.)

1993. GAC-MAC Symposium Volume "Mid-Continent Diamonds". 160 pages.

Hart, B.R., Avery, R.W., Dilabio, R.N.W., and Coker, W.B.

1988. Surficial Geology Contwoyto Lake (76 E/5-6) Northwest Territories. Geological Survey of Canada Open File 2018.

Helmstaedt, H. and Schulze, D.J.

1994. Kimberlites and Diamond Indicator Minerals. Notes from Short Course No. 18. Presented by Cordilleran Section of the Geological Association of Canada.

Jaques, A.L.

1986. "The Kimberlites and Lamproites of Western Australia", Geological Survey of Western Australia, Bulletin 132.

Kujansuu, R. and Saarnisto, M. (eds.).

1990. Glacial Indicator Tracing. A.A. Balkema Publishers. Rotterdam, Netherlands.

Millard, M.J.

1993. The Ranch Lake Dispersion Train: Preliminary Observations. Confidential Saskatchewan Research Council report for Lytton Minerals.

Millard, M.J.

1993. Reconnaissance surficial geology of the BK Project, District of Mackenzie, Northwest Territories. Confidential Saskatchewan Research Council report.

Millard, M.J.

1994. Surficial Geology of the JD and OD claims, Contwoyto Lake area, District of Mackenzie, Northwest Territories. Confidential Saskatchewan Research Council report.

Padgham, W. A., and Fyson, W.K. 1992. The Slave Province: a distinct

- Archean craton. Canadian Journal of Earth Science. 29: pp. 2072-2086

Pell, J.

1994. Kimberlites and Diamond Exploration in the Central Slave Province, NWT. 1:500,000 compilation map and marginal notes. EGS 1994-7.

Relf, C.

1992. Two Distinct Shortening Events During Late Archean Orogeny in the West-Central Slave Province, Northwest Territories, Canada, Canadian Journal of Earth Science, Volume 29.

Ross, J. (ed.)

1986. Kimberlites and Related Rocks - Volume 1: Their composition, occurrence, origin and emplacement. Geological Society of America Special Publication No. 14.

1986. Kimberlites and Related Rocks - Volume 2: Their Mantle/Crust Setting, Diamonds and Diamond Exploration. Geological Society of America Special Publication No. 14.

APPENDIX 6
PREVIOUS ASSESSMENT REPORT

33
PREVIOUS ASSESSMENT REPORT
DIAND # 083539

GEOCHEMICAL AND GEOPHYSICAL
ASSESSMENT REPORT

on the
BENACHEE RESOURCES INC/ SNOWPIPE RESOURCES LTD

RBYM PROPERTY

March 18, 1993- March 17, 1995

HOOD RIVER AREA
NTS 76L /1, /8, /9, /11, /12, /13, /14, /15, /16
76K /3, /4, /5, /6, /11, /12, /13, /14
86I /8, /9, /16

66° 40' N, 110° 15' W
DISTRICT OF MACKENZIE,
NORTHWEST TERRITORIES

by
Ken Hicks, P. Geol.

CANAMERA GEOLOGICAL LTD.

540 - 220 Cambie Street
Vancouver, B.C.

June 12, 1995

APPENDIX 7
LIST OF PERSONNEL

APPENDIX 7

LIST OF PERSONNEL - OK CLAIMS

June 25, 1995 - June 24, 1996

Mary Whelen-Grey	458 East 19th Avenue, Vancouver, BC, V5V 1J7
Sandy Smeeton	406 - 2085 Bellevue Avenue, West Vancouver, BC, V5V 1C1
Barry Edward Jones	1003 - 1920 Alberni Street, Vancouver, BC, V6G 1B8
Brian Lahiffe	2026 - West 63rd Avenue, Vancouver, BC, V6P 2J3
Clark Niven	11708 - 135A Street, Edmonton, AB, T5M 1L5
Tim Lyzun	182 Beach Drive, Victoria, BC, V8S 2L7
Jeff Ramstadt	Box 204, Bashaw, AB, T0B 0H0
Tom Atkinson	c/o Canamera Geological Ltd., 650 - 220 Cambie Street, Vancouver, BC, V6B 2M9
Tom Vaillancourt	205 Johnson Street, Prince George, BC, V2M 2Z4
Alain Poloni	8209 9th Avenue, Montreal, PQ, H1Z 2Z2
Brent Connor	Box 4575, Ponoka, AB, T4J 1S4
Paul MacDonald	548 Lake Erie Green N.E./ Calgary, AB, T2J 2Z6
Terry Jordan	201 - 431 Tait Crescent, Saskatoon, SK, S7H 5L3
Daniel Potvin	5606 - 56A Street, Beaumont, AB, T4X 1A7
Paul Stevensen	56 St Tropez Circle, Kirkland, PQ,
Shawn Engele	Box 88, Carmel, SK, S0K 0X0
Wade Hickey	1808 - 1150 Jervis Street, Vancouver, BC V6E 2C6
Brian Corbin	307 - 3738 Norfolk Street, Burnaby, BC, V4G 1E4
Brain Waller	1112 Lake Bonavista Drive SE, Calgary, AB, T2J 0P1
C. McLean	c/o Canamera Geological Ltd., 650 - 220 Cambie Street, Vancouver, BC, V6B 2M9
D. Blunt	c/o Canamera Geological Ltd., 650 - 220 Cambie Street, Vancouver, BC, V6B 2M9
Dave Carten	3022 3rd Street SW, Calgary, AB, T2S 1V1
Dennis Crivia	Box 13, St Louis, SK, S0J 0G0
Dan Ife	568 Greenway Avenue, North Vancouver, BC, V7N 3C8
Gradon Card	7109 Nancy Green Street, Whistler, BC, V0n 1B0
Neil LaBrecche	RR#1, Site 10C - Comp 24, Merritt, BC, V0K 2J3
Paul deFoiard	301 - 242 East 14th Avenue, Vancouver, BC, V5T 2M6
Phillip Kettles	7 Granville Place, St Albert SK, T8N 0T2
Thomas Hill	Monksgrange, Rathnure County, Wexford, Ireland

APPENDIX 8
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS**Barry Edward Jones**

I, Barry Edward Jones, resident at 1003 - 1920 Alberni Street, Vancouver, British Columbia, hereby certify that:

I am employed full time as a geologist by Canamera Geological Ltd., 540 - 220 Cambie Street, Vancouver, B.C.

I received a Bachelor of Science degree in Geology and a Master of Science Degree in Structural Geology from Acadia University, Wolfville, N.S. in 1966 and 1975 respectively..

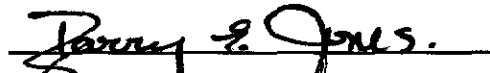
I have worked full time in the mineral exploration and mining industry since 1966.

I am familiar with the current state of exploration of the OK claims.

I have no direct or indirect interest in the OK claims or in the shares of Benachee Resources Inc., Snowpipe Resources Ltd. nor do I expect any.

Permission is hereby granted for the use of this report, or excerpts thereof, for any legal purposes normal to the business of Benachee Resources Inc. and Snowpipe Resources Ltd. . The author reserves the right to approve any summaries or alterations.

Dated at Vancouver, British Columbia, this 8th day of October, 1996


Barry E. Jones B.Sc. M.Sc.