BARRAMUNDI
GOLD·LTD

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2 November, 1999

Ken Galambos
Mineral Development Geologist
Dept of Economic Development
Mineral Resources Branch
Government of Yukon

Dear Sir,

Please find enclosed a completed Final Submission Form and Summary Report for Yukon Mining Incentives Program Application #99-014.

Do not hesitate to contact myself or Sandy Sears if you require any further information or clarification.

Sincerely,

David Ritcey
Project Geologist

BARRAMUNDI GOLD • LTD

Summary Report:
Geochemical, Prospecting, and Geophysical Field Work
on the
Longline Project (Grid Extension Area)

Including work done from 29 May 1999 to 15 July 1999
on the following Quartz Claims:
Pia 4-6; Reef 13, 14, 17-20; Scot 96, 97; Well 1, 2, 7-10; Womp 19

Moosehorn Range, Yukon Territory
Whitehorse Mining Division
NTS 115N/02
Lat.63^0 04', Long.140^0 59'

Submitted in fulfilment of the conditions of the
Yukon Mining Incentives Program

Program Designation #99-014

by

David Ritcey, Sandy Sears
Barramundi Gold Ltd.
October, 1999

Table of Contents

1. Introduction

The Longline Project is located in west-central Yukon, along the Yukon-Alaska border, approximately 140 km SSW of Dawson City (Figure 1). High-grade gold in quartz veins was initially discovered in the district in the early 1970's. Since then, extensive placer mining and limited bedrock production has taken place in the area covered by the present claims group. It is conservatively estimated that 1460 kg (47,000 ozs) of gold has been extracted from streams west of the Moosehorn Range (Kenyon, Swamp, and Soya creeks). A successful placer operation continues on the eastern side of the Moosehorn Range operated by Moosehorn Exploration Ltd.

From 1996 to 1999, Barramundi Gold Ltd. has carried out programs of prospecting, geological mapping, trenching, rock sampling, soil sampling, airborne and ground geophysical surveys, and diamond drilling. Much of the detailed work has been concentrated in the central property area, near the known vein occurrences.

This report covers geophysical and geochemical surveying and prospecting on a 1.0 x 1.5 km^2 grid extended east from the Longline property grid established in 1998 (Figure 1). The grid extension area occupies a strategic position between the known gold mineralization near the top of the Moosehorn Range (e.g. M and O veins identified by Great Bear Mining Ltd.), and those in the Swamp Creek and Soya Creek valleys (e.g. V1, V2, V3, SC-1, SC-2) that have seen considerable detailed work by Barramundi.

The Longline Property consists of a total of 820 quartz claims (full claims and fractions) covering about 150 km^2. Seven hundred and seventy nine (779) claims are owned by Barramundi and have been acquired by staking or the completion of option agreements. Forty-one (41) claims are owned by and optioned from Moosehorn (registered in the names of Ian and Kate Warrick). The work described in this report was carried out on the claims identified in Table 1.

Table 1: Longline Project Claim Status (Grid Extension Area)

Claim	Numbers	Grant #	Registered Owner
PIA	4 - 6	YB54516 - 518	K.L. Warrick
REEF	13 - 14	YA97446 - 447	K.L. Warrick
REEF	17 - 20	YB08093 - 096	K.L. Warrick
SCOT	96 - 97	YB54640 - 641	Barramundi Gold Ltd.
WELL	1 - 2	YB12664 - 665	Barramundi Gold Ltd.
WELL	7 - 10	YC18050 - 053	Barramundi Gold Ltd.
WOMP	19	YB38216	Barramundi Gold Ltd.

2. Location and Access

The Longline Property is situated within the westernmost central Yukon along the Alaska border, approximately 70 km north of Beaver Creek and 140 km SSW of Dawson City. The area is accessible by helicopter and fixed-wing aircraft (there is a 400m gravel airstrip on the property), or via a winter road route originating from the Alaska Highway north of Beaver Creek near the Alaska. With Government approval, the winter road is typically opened in early February and closed in late March.

On the property there is a network of hard-packed gravel roads and tracks, allowing access to most portions using 4-wheel drive trucks or all terrain vehicles (ATV's).

The Longline Property is characterized by rolling hills bounded to the NE by the Moosehorn Range, a prominent NNW-SSE trending ridge. Elevation ranges from 1353m on the top of the Range, to 600m in the creek valleys in the southern portion of the property. Creeks valleys are roughly V-shaped below their headwaters, grading into more gentle slopes before broadening out into wide, flat swampy areas. Above approximately 1200 metres, vegetation is dominated by 1-2m high buckbrush and the occasional stunted spruce tree. Felsenmeer is very common above this elevation. In contrast, lower slopes are variably forested with spruce trees locally mixed with aspen and white birch. Willow and alder thickets are abundant along the creek valleys and some lower slopes.

3. Geology

Gold exploration began in the Moosehorn Range in 1970 with work by Quintana Minerals Ltd. following the discovery of high-grade quartz veins at the top of the Moosehorn Range. Great Bear Mining Ltd. acquired claims over this area in 1974 and carried out programs of prospecting, mapping, soil sampling, VLF-EM surveying, bulldozer trenching and diamond drilling (625 metres in 19 holes). Further discoveries were made in 1974 by J.M. Kenyon, who sold claims to Claymore Resources Ltd. Claymore conducted mapping, hand trenching, soil geochemistry surveys, and an 18-hole program of diamond drilling totalling 696 metres. The Great Bear and Claymore operations identified multiple, discontinuous veins, but drilling results were generally disappointing in terms of vein thickness and grade. While prospecting Kenyon Creek ("Discovery Creek" in older reports), a rich pay streak of placer gold was discovered. Claymore ceased bedrock exploration and began placer mining.

501 000E

7000 000N

MOOSEHORN RANGE

WIND

FROG

URI

BAM

LIN

BEAR

REEF

WOMP

BEN

RED

MAR

PIA

SCOT

SWEDE

DEN

RAN

WELL

PUD

RAG

WINE

FOX

GIT

WON

SEE

SAY

Swamp Creek

Creek

Swamp

Scatline

6990 000N

6980 000N

501 000E

Dawson

Longline

YUKON

Whitehorse

FEET

0 1000 2500 5000 7500 10000

METRES

0 500 1000 2000 3000

1999 Longline Property Grid Extension

NTS MAP SHEETS
115 N / 02 & 115 K / 15

LONGLINE PROJECT

FIGURE 1: PROPERTY OUTLINE AND GRID LOCATION

The V1 quartz vein was discovered during placer testing on Swamp Creek in 1975. In the early 1980's, G. Hartley staked several of the vein occurrences, including V1. From the early 1980's until present, he has conducted geological mapping, airtrac drilling, prospecting, and soil sampling programs. Ian Warrick also staked vein occurrences near the head of Kenyon Creek, and on the eastern side of the Moosehorn Range.

During the late 1980's, Canada Tungsten Mining Corp. placer mined portions of Swamp and Soya Creeks extracting over 13,000 oz of gold. Veins V2 and V3 were uncovered during placer activities in the late 1980s and early 1990s. In 1990, Sikanni Oilfield Construction ("Sikanni") began placer mining on portions of Swamp, Soya, and Kenyon Creeks. Sikanni eventually began a small-scale bedrock mining operation, excavating parts of V1 and V2. Mining ceased in the late summer, 1996.

A high-resolution aeromagnetic survey totalling 839 line km was flown for Barramundi in 1996. Geological mapping, trenching, rock sampling (1,018 samples) and soil sampling (1,607 samples) were also carried out in 1996. Several anomalous gold zones were outlined along a very prominent NS oriented magnetic low.

Fieldwork in 1998 season included the establishment of a 1.5 km x 3.0 km chain and compass soil sampling grid (1694 samples) on the central property area, centred on the V1, V2 and V3 veins. Geophysical ground surveys (induced polarisation, horizontal loop electromagnetic, and magnetometer) were conducted over part of the grid. Also in 1998, there was a program of bedrock trenching and vein sampling, and diamond drilling totalling 214 m in 4 holes was completed in order to check the down-dip and along strike extension of the V2 vein. The IP survey indicated several chargeability highs, which are interpreted to represent zones of sulphide mineralization. The soil geochemistry program outlined a large gold-arsenic anomaly, outside of the area of known gold mineralization.

During the summer of 1999, in addition to the work described in detail in this report, Barramundi conducted a regional program of prospecting, soil geochemistry and stream sediment sampling (more than 1000 samples total). A 53 km gradient array IP survey (with follow-up profiling over 25 km) was carried out on the central property grid and grid extensions. Diamond drilling totalling 553 m in 22 holes was carried out on V2 to test continuity of the vein system and to delineate potentially mineable reserves.

The Longline Property is principally underlain by deeply weathered massive to locally foliated granodiorite belonging to the Klotassin Batholith of presumed Triassic-Jurassic age. East of the Moosehorn Range, the granodiorite intrudes metasedimentary rocks, probably Proterozoic in age. The Klotassin Batholith is a 300 km long body which extends northwesterly from the Moosehorn Range into Alaska and southeasterly through the Dawson Range (GSC Paper 73-41).

Foliated hornblende granodiorite and massive coarse-grained equigranular to porphyritic biotite-hornblende granodiorite commonly contain inclusions of metasedimentary rocks. The weathered, coarse-grained granodiorite is apparently intruded by a variety of competent, unweathered granitoids (Cretaceous?) that underlie the Moosehorn Range proper. Principal lithologies in the Moosehorn Range include equigranular granodiorite, porphyritic granodiorite, and quartz monzonite. Collectively, these units make up a composite intrusion of uncertain outline, extending generally along the NNW – SSE axis of the Moosehorn Range. Locally, the porphyritic phase appears to grade into equigranular hornblende granodiorite over short distances.

In the central property area, coarse -grained granodiorite is intruded by a variety of dykes ranging in composition from diorite to granodiorite to rhyolite. In several areas, porphyritic granodiorite and fine-grained felsic dykes are the immediate hosts of major gold-bearing veins. Gold mineralization is quite evidently controlled by structure. The vast majority of gold-bearing veins discovered to date over a wide area of the property are oriented with a strike direction of about 350 degrees, and dips near 30 to 35 degrees to the east. A younger suite of dykes, of basaltic to andesitic composition, cuts most other units, including quartz veins. Brittle faults also post-date the gold-bearing veins.

4. Work Done

4.1 Introduction

The geophysical and geochemical work described in this report was conducted on extensions of the grid previously established on the central Longline property. The grid location relative to claims boundaries is shown on Figure 1. Soil sampling and geophysics on the grid extensions were initiated based on the favourable results of the 1998 soil survey and the 1999 IP survey on the main grid. Linecutting, grid picketing, soil sampling, geophysical surveying, and prospecting were carried out on the grid extension lines between May 29th and July 15th ,1999.

4.2 Grid Establishment

The 1999 soil and geophysical grid was established by cutting and chaining from the baseline (0 E) of the 1998 grid. Chaining along the cut lines was corrected for slope, and labelled pickets were erected at 20 metre intervals. Linecutting and grid picketing were completed between May 29th 1999 and June 5th 1999.

4.3 Soil Sampling

A total of 698 soil samples were collected on the eastern extension of the Longline property grid between June 2nd 1999 and July 15th 1999. Sample sites were located at 25 metre spacings along E-W lines 100 m apart. At each site, samples weighing approximately 1 kg were dug from the B soil horizon with mattocks and placed in labelled water repellent "Dry Rite" bags. Duplicate samples were collected from 13 sites. Under organic layers of variable thickness, the B-horizon soils are composed of silt to clay sized materials, commonly with a gravelley or rocky component. These soils are typically brown-grey in wetter areas (more prevalent on the lower slopes of the upper Swamp Creek and Soya Creek valleys) and red-brown in drier ones. Permafrost was commonly encountered on mossy northwest facing slopes. Three hundred and seventy-three (373) soil samples were shipped to Northern Analytical Labs ("NAL") in Whitehorse to give analytical coverage of approximately 50 x 100 metres. The remaining samples have been stored for future analysis, if needed.

At the laboratory, samples were dried and sieved to -80 mesh (180 micron). A 30g split of this material was analysed for Au by fire assay and atomic absorption spectrophotometry (AAS) with a detection limit of 5 ppb. A second subsample of –80 mesh material was analysed for a suite of 30 elements by Inductively Coupled Plasma Spectroscopy following multi-acid digestion.

4.4 Induced Polarisation (IP) Survey

An Induced Polarisation survey was conducted over the grid extensions to further define the chargeability and resistivity anomalies that were identified along the eastern portion of the main grid. The IP survey was completed between June 24th 1999 and June 27th 1999.

The survey was conducted by Quantec IP Incorporated using a gradient array configuration on survey lines 200 m apart, with a station interval of 20 m. Grid extension lines 400S, 200S, 0N, 200N, 400N, 600N, 800N, 1000N, and 1200N were surveyed from station 750E to 1500E for a total of 6750 metres. Transmitter dipole (AB) spacing was 1100 m, and receiver dipole (MN) spacing was 20 m. This configuration yields chargeability and resistivity data that relate to geological conditions at approximately 150 metres depth.

4.4 Prospecting and Reconnaissance Sampling

During the course of the soil sampling program, 8 rock samples were collected from the grid extension area. These grab samples were assayed at Northern Analytical Laboratories for silver by aqua regia digestion and atomic absorption spectrophotometry

(on a 200 g split pulverised to –100 mesh), and for gold by a metallics screen for coarse gold (on a separate 200 g split) and fire assay. A 30-element ICP suite was also determined.

5. Results and Recommendations

Analytical results for soil samples are included in Appendix A. Contoured plots of Au and As in soils are presented in Figures 2 and 3. Plots of total chargeability and apparent resistivity are included as Figures 4 and 5.

Gold in soils (Figure 2) indicates scattered anomalous values (> 25 ppb), with some indication of a north-east trend as was previously identified on the main grid block. Au values are in a range that is generally comparable to that identified by previous geochemical surveys on the property. Cu, Pb, Zn, Ag, and Sb generally show only scattered high values.

The two highest Au values for the 1999 grid soil data are 630 ppb at 400N 750E and 461 ppb at 300N 800E. This second sample is also highly anomalous in Pb (158 ppm), Zn (143 ppm), As (1417 ppm) and Ag (0.5 ppm).

Arsenic is considered as a pathfinder element for gold mineralization in the Longline property area. Arsenic data for the grid extensions has a higher background level than the main grid block (Figure 3), but this is almost certainly an analytical effect, not a geological one. Anomalous values greater than 75 ppm are largely confined to the north-west half of the grid extension area, where several broad areas of elevated values are evident. The highest arsenic values (partially coinciding with anomalous gold in soils) form an intense N-S elongate soil geochemical anomaly between 750E and 900E and extending from lines 100S and 400N. This anomaly is not associated with known mineralization and constitutes a significant new exploration target. Arsenic values in this new anomaly are considerably higher than the anomalies previously identified on the main grid area.

In general, the geophysical data from the grid extensions are a continuation of the anomalous patterns over the eastern half of the central grid. Several North-South elongated areas of coincident chargeability and resistivity highs are present (Figures 4 & 5). These are interpreted as zones of sulphide mineralization (chargeability high), possibly associated with silicification (resistivity high).

Locations and brief descriptions of prospecting rock samples from the grid extension area are presented in Table 2. Complete analytical results are in Appendix B. For Ag and Au assays, copies of assay certificates are also included.

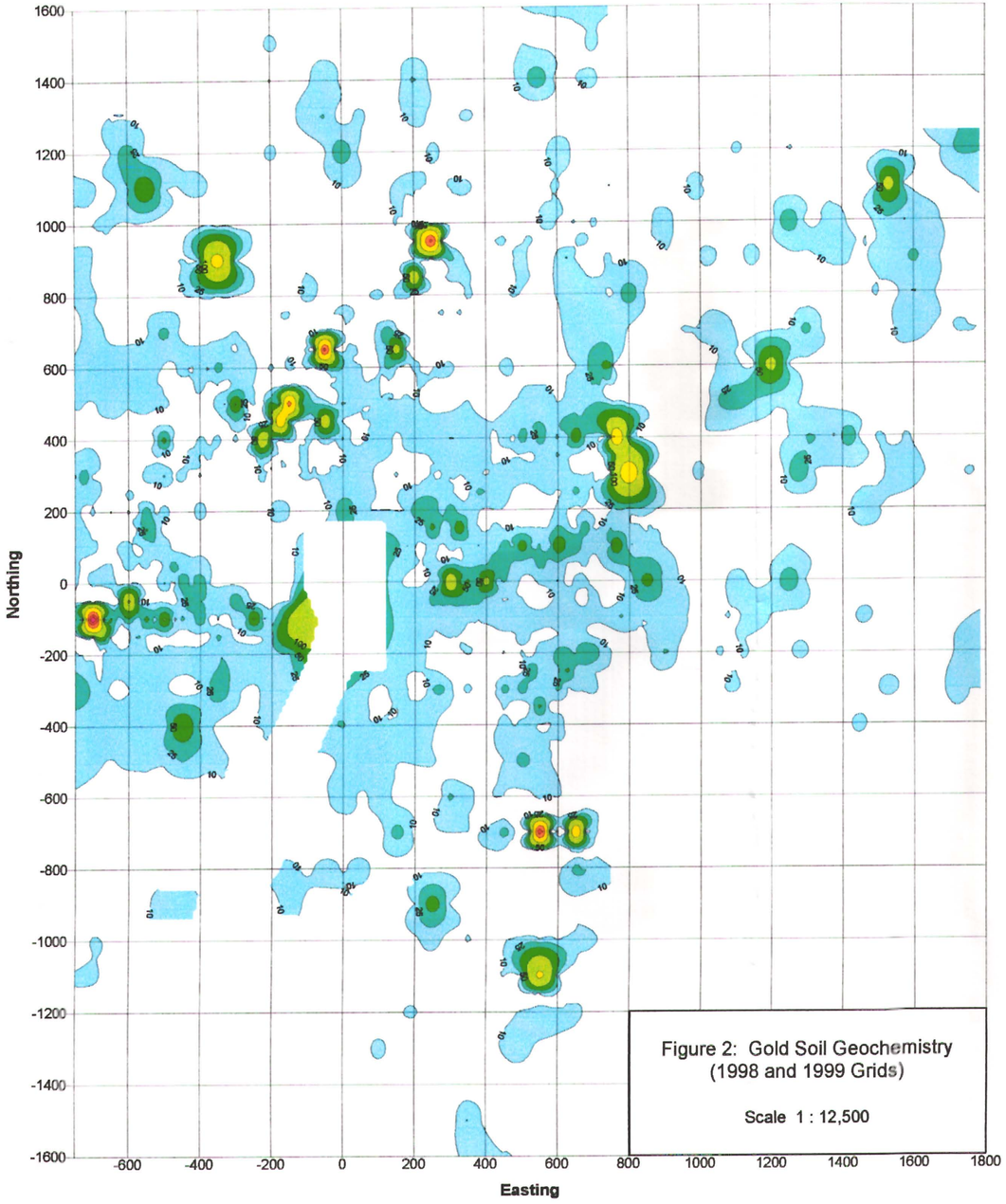

Figure 2: Gold Soil Geochemistry
(1998 and 1999 Grids)

Scale 1 : 12,500

Au ppb	As ppm
1500	1500
1000	1000
750	750
500	500
250	250
100	100
50	75
25	50
10	25

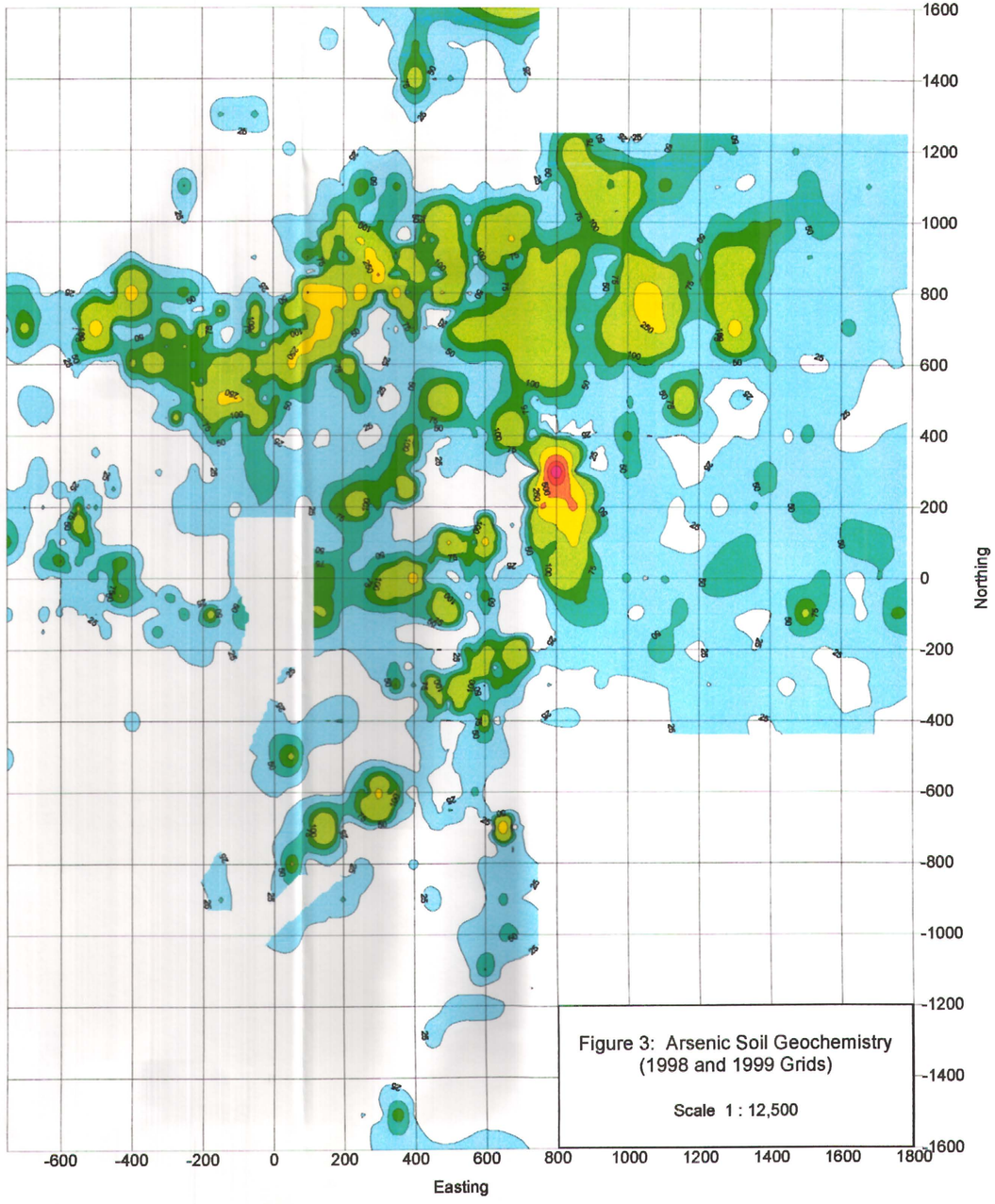

Figure 3: Arsenic Soil Geochemistry
(1998 and 1999 Grids)

Scale 1 : 12,500

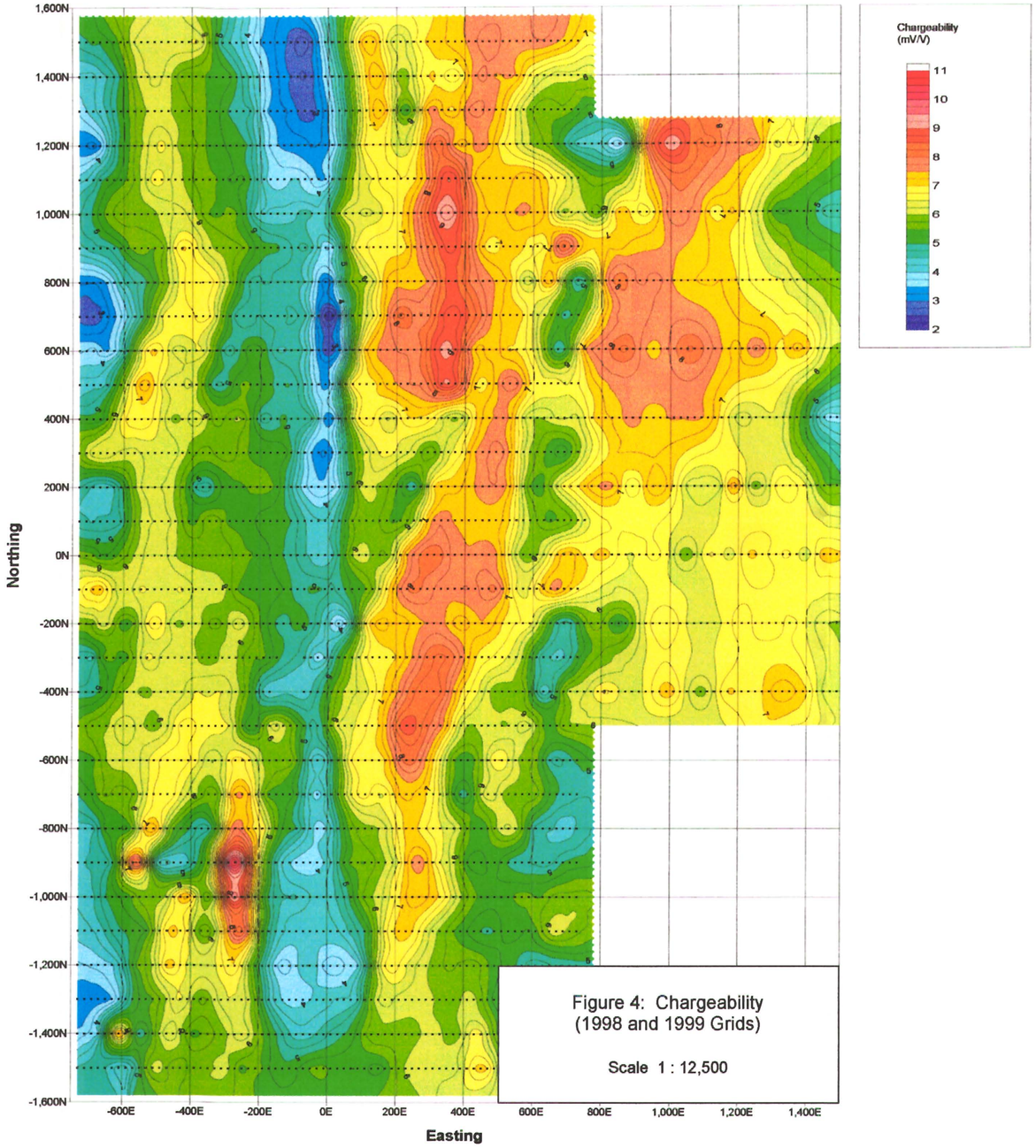

Figure 4: Chargeability
(1998 and 1999 Grids)

Scale 1 : 12,500

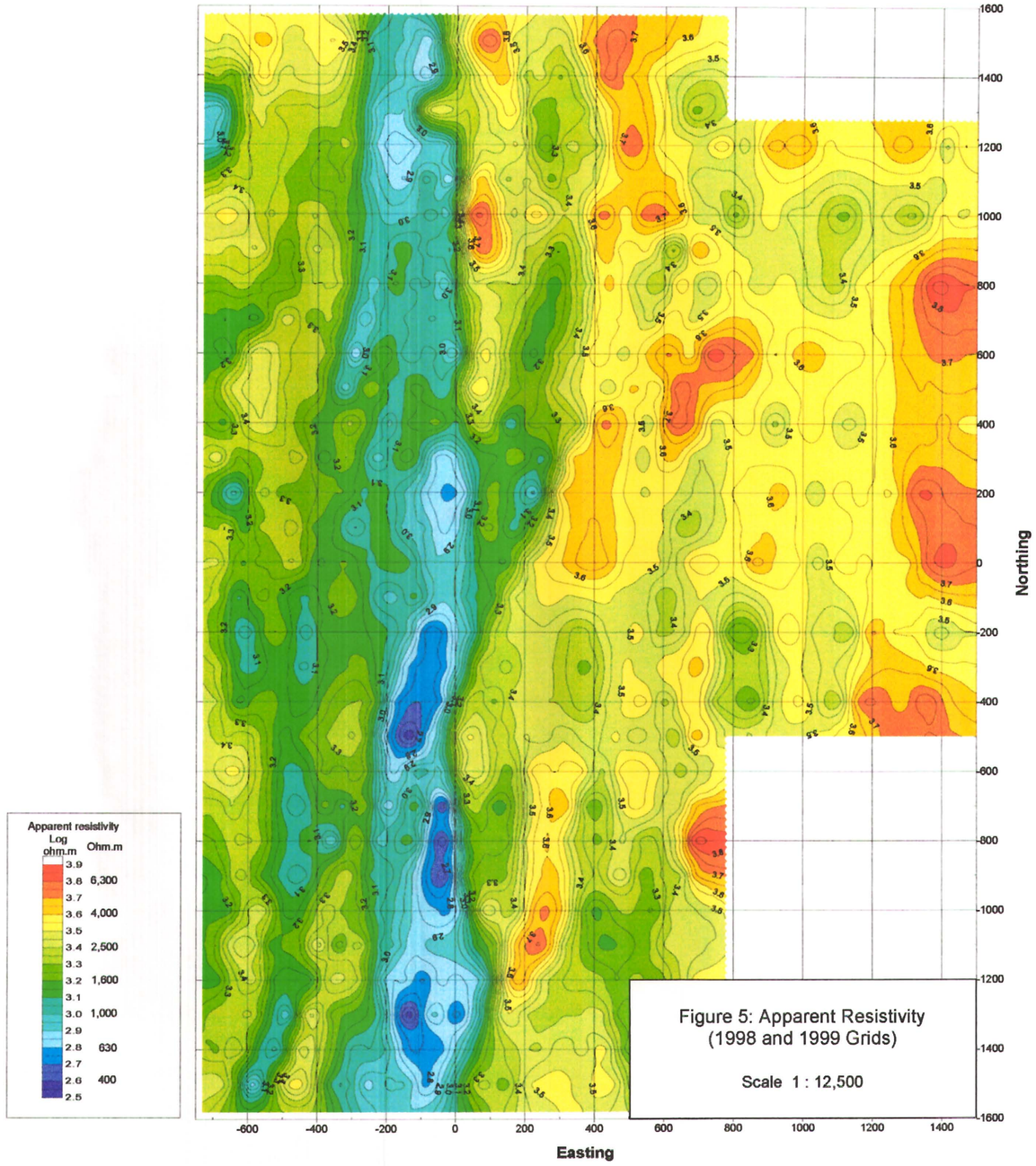

Figure 5: Apparent Resistivity
(1998 and 1999 Grids)

Scale 1 : 12,500

Table 2: 1999 Prospecting Rock Sample Highlights

Sample Number	Grid East	Grid North	Notes	Au g/t	Ag g/t	Pb ppm	Zn ppm	As ppm
403966	560	680	Quartz Vein float in Swamp Creek	0.16	3.7	1333	25	835
403967	700	815	Quartz Vein float in Swamp Creek	20.27	150.7	22000	177	3346
403968	850	970	Quartz Vein float in Swamp Creek	1.45	123.2	17435	8477	1249
403969	925	1130	Quartz Vein Float	0.10	1.8	122	27	90
403970	1225	1200	Pegmatitic Quartz	<0.03	<0.1	12	13	22
403971	1045	1160	Quartz Vein	<0.03	<0.1	11	16	180
403972	1045	1160	Quartz Vein	0.03	<0.1	11	29	173
403973	1320	470	Qz Boulder in Soya Creek	0.04	1.3	8	24	146

Samples 403966, 403967, and 403968 are sulphide-bearing quartz vein float cobbles from the streambed of upper Swamp Creek. These samples were all collected upstream from any known veins in the Swamp Creek area. Samples 403967 and 403968 contain the typical minerals (galena, arsenopyrite, sphalerite) associated with gold-bearing veins in the area, and both returned highly significant gold and silver assays, along with high levels of Pb, Zn, and As. Number 403966 is sparsely mineralized with minor pyrite and iron oxidation staining, and returned relatively lower values of Au, Ag, Pb, and As. Quartz vein float samples 403969 and 403973 also gave encouraging results in Ag, with some indication of Au enrichment in 403969. Together, the prospecting rock samples from the 1999 program indicate excellent potential for the discovery of high-grade gold mineralization in the Longline grid extension area.

The soil sampling and IP survey work completed on the Longline grid extensions represents a significant advance exploration of the property. Further work is clearly warranted in this area. As a first priority, the elongate arsenic anomaly near 800E should be closely examined on the ground. Existing infill soil samples from the northwest half of the grid extension lines (approximately 160 samples) should be submitted for Au and As analysis. Additional samples (approximately 100) should be collected and analysed to give 50 x 25 m coverage over smaller anomalous zones. When the prominent arsenic anomaly near 800E is more completely defined by closer-spaced soil sampling, it will constitute an attractive target for excavator trenching.

Additional geophysical surveying on the grid extensions can be done after the IP anomalies on the main grid are more completely understood geologically. Further work would be twofold: to survey the intervening lines giving 100 metre line spacing, and to conduct profiling over promising zones. Each of these two phases might require roughly 4 to 6 line-km of surveying.

6. Summary of Exploration Expenses

Exploration expenses covered by the Yukon Mining Incentives Program Agreement #99-014 are listed and defined in Table 3. The work entailed linecutting, soil sampling, and IP surveys. The total of allowable costs is $38,262.07, of which 56% was paid directly to Yukon based contractors.

Table 3: Summary Table of 1999 Exploration Expenses

ITEM	DESCRIPTION	quantity	unit cost	COST
Travel	Supply flights avg cost	4	$1,326.00	$5,304.00
Line Cutting	4 man team, km rate	17	$500.00	$8,500.00
Geophysical Survey	Daily surveying rate	4	$1,375.00	$5,500.00
Geophysical Survey	Mob and Demob – prorated	4 /31	$2,250.00	$290.32
Geophysical Survey	2 Field Assistants per day	4	$300.00	$1,200.00
Sample bags	from Neville Crosby Inc	700	$0.50	$350.00
Geochemical Survey	Samplers / Assistants	33	$150.00	$4,950.00
Geologist in Field	Sampling and Prospecting	2	$200.00	$400.00
Geologist in Field	Supervising and Sampling	3	$250.00	$750.00
Soil Analyses	Au analysis + 30 elem ICP	373	$19.25	$7,180.25
Rock Analyses	Au assay + 30 elem ICP	8	$53.75	$430.00
Support Staff (prorated)	Cook – prorated	4.5	$200.00	$900.00
Support Staff (prorated)	Camp Manager – prorated	4.5	$285.00	$1,282.50
Maps & Report Prep'n	Geologist in Office	5	$175.00	$875.00
			TOTAL:	**$37,912.07**

7. Personnel and Contractors

Barramundi Staff:	*Nature of Work:*
Sandy Sears Vancouver, BC	Project Geologist: 3 days supervising surveys and soil sampling
David Ritcey Vancouver BC	Geologist: 2 days prospecting and soil sampling; 7 days data compilation & report preparation
Susan Bradley Regina SK	Field Assistant: 10 days soil sampling
Sara Gougeon Vancouver BC	Field Assistant: 4 days IP survey, 4 days soil sampling
Jeff Huckle Edmonton AB	Field Assistant: 11 days soil sampling and prospecting
Wes Hodson White Rock BC	Field Assistant: 4 days IP survey, 4 days soil sampling
Don Duchesne Fort St John BC	Camp Manager, Equipment Operator
Pauline Duchesne Fort St John BC	Camp Cook

Contractors:	*Nature of Work:*
Coureur Des Bois Whitehorse, YT	Linecutting and Picketing 17 line – kilometres
Quantec IP Inc. Waterdown, ON	IP Surveying 4 crew - days
Summit Air Charters Whitehorse, YT	Supply flights from Whitehorse 4 round trips
Northern Analytical Labs Whitehorse, YT	Assays and Analyses

8. Contractors' Invoices

COUREUR DES BOIS
LTD./LTEE.

BOX 5301, WHITEHORSE, YUKON Y1A 4Z2
Telephone: (403) 668-2593

BILL TO: BARRAMUNDI GOLD LTD
304 - 595 HOWE ST
VANCOUVER BC
V6C 2T5

INVOICE № 569

JUNE 24/99

QUANTITY	JOB DESCRIPTION	PRICE PER	AMOUNT
	ATT: MR. JOAN HALEY RE: LINE CUTTING LONG LINE PROPERTY.		
67.12	Km. CUT & CHAINED	500.00	33560.00
	GST RT 101175909	7%	2349.20
	THANK YOU JOAN HALEY		
		INVOICE TOTAL $	35909.20

Quantec IP Incorporated

P.O. Box 1170, Suite 34, 35 Main Street North, Waterdown, Ontario, Canada L0R 2H0
Telephone (905) 689-0600 Fax (905) 689-6404

INVOICE

July 21, 1999

Barramundi Gold Ltd.
595 Howe Street, Suite 204
Vancouver, B.C., V6C 2T5

Invoice: 1639

Ph: 604-681-7136
Fx: 604-681-7120
Attention: Sandy Sears

Project: P-255

G.S.T. Reg. No.: R104359724

Re: Realsection IP Survey over the Longline Property, Yukon

Description	Charge
Survey Period: June 4th to July 8th, 1999	
Survey Charges:	
3 days Mob/Demob @ $750.00/day	$2,250.00
31 days IP Survey @ $1,375.00/day	42,625.00
Survey Expenses	
Airfare	3,258.00
Freight	2,471.41
Accommodation and Meals	229.13
Travel	53.00
Disposable Field Supplies	17.45
Administration – 15%	904.35
Less Pre-Billing Charge	(22,200.00)
Return Freight Charges to Follow	
Subtotal	29,608.34
GST @ 7%	2,072.58
Total:	**$31,680.92**

POSTED

Terms: Payable Upon Receipt

Invoices may be paid by direct deposit to

The Toronto Dominion Bank
141 Adelaide St. West
Toronto, ON
Acct #: 1992 - 0302135

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Invoice for Analytical Services

To:

Barramundi Gold Ltd.
2nd Floor, P.O. Box 25
595 Howe St.
Vancouver, B.C. V6C 2T5
Att'n: John Haley

Invoice Date: 16/09/99

WO# 05696

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
31	Rock/D.C. Sample Preparation	5.00	155.00
409	Soil/Sediment Sample Preparation	2.00	818.00
31	Second Split & Pulverize	3.50	108.50
	Analyses:		
409	Au + 30 (30 gm Au)	17.25	7055.25
31	AAS - Assay (1 element)	8.00	248.00
31	Au metallics fire assay	30.00	930.00
31	ICP - 30 (supplemental to Au)	7.25	224.75
	Office:		
4	Fax set-up charge	2.00	8.00
68	Fax long distance charge (per page)	1.00	68.00
	PAID		
	Subtotal		9615.50
	GST @7% (R 121285662)		673.09
	Total due on receipt of invoice		$10,288.59

2% per month charged on overdue accounts

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Invoice for Analytical Services

To:

Barramundi Gold Ltd.
2nd Floor, P.O. Box 25
595 Howe St.
Vancouver, B.C. V6C 2T5
Att'n: John Haley

Invoice Date: 05/07/99

WO# 05673

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
17	Rock/D.C. Sample Preparation	5.00	85.00
17	Second split & pulverize	3.50	59.50
	Analyses:		
18	AAS - Assay (1 elements)	8.00	144.00
17	Au metallics fire assay	30.00	510.00
1	Au 1AT FA/AAS	11.00	11.00
18	ICP-30 (supplemental to Au)	7.25	130.50
	Office:		
3	Fax set-up charge	2.00	6.00
9	Fax long distance charge (per page) (June 30, July 5 x2)	1.00	9.00
		Subtotal	955.00
		GST @7% (R 121285662)	66.85
		Total due on receipt of invoice	$1,021.85

2% per month charged on overdue accounts

Summit Air CHARTERS LTD.

Phone: (250) 651-7600 Fax: (250) 651-7537
P.O. Box 134, Atlin, B.C. V0W 1A0

Phone: (867) 667-7327 Fax: (867) 667-4510
Box 5299, Whitehorse, Yukon Y1A 4Z2

INVOICE NO 11020

Purchase Order No. _____

Aircraft GNYP Pilot GERALD STOCKTON

Empty Weight 2085 Aircraft Op. Wt. 3800

Rate = WTX / WTR / DRY / FER

ACCOUNT WITH: BARRAMUNDI

FROM: WHITEHORSE	Time Off	Time On	Hours	Miles	Rate	No. of Pass	Lbs. Cargo
CLAYMORE	15:30	17:35	2.1	255		2	750
WHITEHORSE	18:02	19:57	1.9	255		1	125
TOTALS				510			

PASSENGER'S NAMES / CARGO REMARKS

JEFF HUCKLE / SUZAN BRADLEY
KURT DUPAS

POSTED 6/15/99 #3641

PAID

I certify that the C of G and aircraft weight are within limits.

Signed _____
Pilot or Dispatcher Signature

510 Miles @ 2.60	per mile	1326	00
Hours @	per hour		
Fuel @			
NAV Canada Fees			
Other			
Subtotal		1326	00
G.S.T. #R120801972		92	82
Total		1418	82

This Contract of Carriage is issued subject to the terms and conditions as stated in the Company Tariffs on file with the Air Transport Board.

Flight Authorized by Sandy Sears Charge ☑ Cash ☐ Date: MAY 27/99

2% interest charged on any account due past 30 days.

COPY to be LEFT at Point of Departure.

NOT REQUIRED FOR TRAINING or FERRY FLIGHTS

WILLOW PRINTERS LTD.

Summit Air
CHARTERS LTD.

Phone: (250) 651-7600 Fax: (250) 651-7537
P.O. Box 134, Atlin, B.C. V0W 1A0

Phone: (867) 667-7327 Fax: (867) 667-4510
Box 5299, Whitehorse, Yukon Y1A 4Z2

INVOICE
NO 12006

Purchase Order No. _____

Aircraft GTHS Pilot DBONNETT

Empty Weight 1476 Aircraft Op. Wt. 2300

Rate = WTX / WTR / DRY / FER

ACCOUNT WITH: BARAMUNDI

FROM: WHITEHORSE	Time Off	Time On	Hours	Miles	Rate	No. of Pass	Lbs. Cargo
C.Laymon	14:08	16:12	2.1	255		1	340
WHITEHORSE	16:51	19:01	2.2	255		1	200
TOTALS				510			

PASSENGER'S NAMES / CARGO REMARKS

POSTED 06/15/99 #5641

PAID 7/23/99 WIRE

I certify that the C of G and aircraft weight are within limits.

Signed _____
Pilot or Dispatcher Signature

510	Miles @ 2.60	per mile	1326	00
	Hours @	per hour		
	Fuel @			
	NAV Canada Fees			
	Other			
		Subtotal	1326	00
		G.S.T. #R120801972	92	82
		Total	1418	82

This Contract of Carriage is issued subject to the terms and conditions as stated in the Company Tariffs on file with the Air Transport Board.

Flight Authorized by Sandy Sears Charge ☐ Cash ☐ Date: 30 May 99

2% interest charged on any account due past 30 days.

COPY to be LEFT at Point of Departure.

NOT REQUIRED FOR TRAINING or FERRY FLIGHTS

WILLOW PRINTERS LTD.

Summit Air
CHARTERS LTD.

Phone: (250) 651-7600 Fax: (250) 651-7537
P.O. Box 134, Atlin, B.C. V0W 1A0

Phone: (867) 667-7327 Fax: (867) 667-4510
Box 5299, Whitehorse, Yukon Y1A 4Z2

INVOICE
No. 12010

Purchase Order No. _____

Aircraft GNYD Pilot D Bonnett

Empty Weight 2085 Aircraft Op. Wt. 3600

Rate = WTX / WTR / DRY / FER

ACCOUNT WITH: BARRAMUNDI

FROM: WHITEHORSE	Time Off	Time On	Hours	Miles	Rate	No. of Pass	Lbs. Cargo	PASSENGER'S NAMES / CARGO REMARKS
Claymore	15:10	17:16	2.1	255		1	700	Groc + [redacted]
Whitehorse	17:45	19:40	1.9	255		1	650	Rocks + Pump + Tins
TOTALS				510				

PAID

POSTED Oct 16/99 #5641

I certify that the C of G ~~and aircraft weight~~ are within limits.

Signed _____
Pilot or Dispatcher Signature

510 Miles @	2.60 per mile	1326	
Hours @	per hour		
Fuel @			
NAV Canada Fees			
Other			
Subtotal		1326	—
G.S.T. #R120801972		92	82
Total		1418	82

This Contract of Carriage is issued subject to the terms and conditions as stated in the Company Tariffs on file with the Air Transport Board.

Flight Authorized by Sandy Sears... Charge ☑ Date: 08 Jun 99
Cash ☐

2% interest charged on any account due past 30 days.
COPY to be LEFT at Point of Departure.

NOT REQUIRED FOR TRAINING or FERRY FLIGHTS

WILLOW PRINTERS LTD.

Summit Air
CHARTERS LTD.

PAID 12116 $ 10,644.82

INVOICE NO 12116

Phone: (250) 651-7600 Fax: (250) 651-7537
P.O. Box 134, Atlin, B.C. V0W 1A0

Phone: (867) 667-7327 Fax: (867) 667-4510
Box 5299, Whitehorse, Yukon Y1A 4Z2

Purchase Order No. _____

Aircraft GNYD Pilot GORDIE STEVENSON

Empty Weight 2085 Aircraft Op. Wt. 3800

ACCOUNT WITH: BARRMUNDS

Rate = WTX / WTR / DRY / FER

FROM: WHITEHORSE	Time Off	Time On	Hours	Miles	Rate	No. of Pass	Lbs. Cargo
CLAYMORE	07.46	09.50	2.1	255		4	300
WHITEHORSE	10.10	12.04	1.9	255		4	350
TOTALS				510			

PASSENGER'S NAMES / CARGO REMARKS

ON FOR WITH RICHARD JACOBS

SANDY, SCOTT, WES, SIMON
SEARS, GORDON, HUDSON, BRADLEY.

POSTED

MICHAEL JACKSON.

I certify that the C of G and aircraft weight are within limits.

Signed _____
Pilot or Dispatcher Signature

510 · Miles @	2.60 · per mile	1326	00
Hours @	per hour		
Fuel @			
NAV Canada Fees			
Other			
	Subtotal	1326	00
	G.S.T. #R120801972	92	82
	Total	1418	82

This Contract of Carriage is issued subject to the terms and conditions as stated in the Company Tariffs on file with the Air Transport Board.

Flight Authorized by S. Sears Charge ☑ Cash ☐ Date: JUN 15/99

2% interest charged on any account due past 30 days.
COPY to be LEFT at Point of Departure.

NOT REQUIRED FOR TRAINING or FERRY FLIGHTS

WILLOW PRINTERS LTD.

Appendix A. Analytical Results – Soils

1999 Grid Soil Data

SAMPLE NUMBER	GRID NORTH	GRID EAST	Au ppb	Au replicate	Au rerun	Au rerun 2	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm
404208	-400	750	5				<0.1	25	13	72	28	<5	<3	1	<10	<2	0.01	15	23
404210	-400	800	6				<0.1	24	14	79	28	<5	<3	1	<10	<2	0.01	17	21
404212	-400	850	6				<0.1	26	17	79	28	<5	<3	1	<10	<2	0.01	16	21
404214	-400	900	7				<0.1	35	10	75	19	<5	<3	1	<10	<2	0.01	16	26
404216	-400	950	<5				<0.1	20	12	62	14	<5	<3	1	<10	<2	0.01	11	19
404217	-400	1000	<5				<0.1	26	11	61	17	<5	<3	1	<10	<2	0.01	13	24
404219	-400	1050	5				<0.1	23	12	65	24	<5	<3	2	<10	<2	0.01	11	24
404221	-400	1100	<5				<0.1	24	19	103	17	<5	<3	3	<10	<2	0.01	18	22
404223	-400	1150	5	16			<0.1	38	14	69	36	<5	<3	2	<10	<2	0.01	17	32
404224	-400	1200	5				<0.1	24	14	61	25	<5	<3	1	<10	<2	0.01	14	19
404226	-400	1250	5				<0.1	23	15	69	30	<5	<3	2	<10	<2	0.01	15	27
404228	-400	1300	<5				<0.1	22	14	67	33	<5	<3	1	<10	<2	0.01	17	29
404229	-400	1350	9				<0.1	26	11	59	22	<5	<3	2	<10	<2	0.01	13	21
404231	-400	1400	5				<0.1	20	12	65	25	<5	<3	1	<10	<2	0.01	14	22
404233	-400	1450	15				<0.1	24	13	61	27	<5	<3	2	<10	<2	0.01	11	20
404235	-400	1500	<5				<0.1	21	12	59	25	<5	<3	1	<10	<2	0.01	13	26
404237	-400	1550	<5				<0.1	22	9	64	34	<5	<3	1	<10	<2	0.01	15	28
404239	-400	1600	5				<0.1	25	11	55	25	<5	<3	2	<10	<2	0.01	12	21
404241	-400	1650	<5	7			<0.1	17	12	80	29	<5	<3	1	<10	<2	0.01	13	17
404719	-400	1725	10				<0.1	13	16	67	22	<5	<3	2	<10	<2	0.01	11	13
404720	-400	1750	6				0.1	15	14	50	24	<5	<3	2	<10	<2	0.01	14	17
404243	-400	1785	<5				<0.1	26	14	57	16	<5	<3	1	<10	<2	0.01	10	16
404244	-300	775	10				<0.1	21	13	82	28	<5	<3	1	<10	<2	0.01	16	25
404245	-300	825	5				<0.1	17	8	46	13	<5	<3	1	<10	<2	0.01	8	10
404247	-300	875	6				<0.1	21	10	70	21	<5	<3	1	<10	<2	0.01	14	25
404249	-300	925	<5				<0.1	22	13	65	27	<5	<3	2	<10	<2	0.01	11	17
404251	-300	975	<5				<0.1	19	13	62	22	<5	<3	1	<10	<2	0.01	10	18
404253	-300	1025	<5				<0.1	21	10	63	20	<5	<3	1	<10	<2	0.01	11	17
404255	-300	1075	12				<0.1	28	9	67	23	<5	<3	<1	<10	<2	0.01	12	22
404256	-300	1125	9				<0.1	25	10	78	26	<5	<3	2	<10	<2	0.01	15	21
404258	-300	1175	8				<0.1	22	15	76	40	<5	<3	2	<10	<2	0.01	15	25
404260	-300	1225	6	0			<0.1	22	13	67	24	<5	<3	1	<10	<2	0.01	14	21
404262	-300	1275	<5				<0.1	20	10	49	29	<5	<3	1	<10	<2	0.01	12	23
404264	-300	1325	6				<0.1	27	11	63	32	<5	<3	2	<10	<2	0.01	19	45
404266	-300	1375	6				<0.1	21	15	91	47	<5	<3	3	<10	<2	0.01	18	18
404268	-300	1425	<5				<0.1	720	13	59	22	<5	<3	2	<10	<2	0.01	13	16
404270	-300	1475	6				<0.1	179	18	43	25	<5	<3	1	<10	<2	0.01	10	16

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404271	-300	1525	14				<0.1	64	17	59	36	<5	<3	2	<10	<2	0.01	13	23
404272	-300	1575	8				<0.1	33	12	66	22	<5	<3	<1	<10	<2	0.01	14	24
404274	-300	1625	<5				<0.1	20	14	64	12	<5	<3	2	<10	<2	0.01	13	15
404276	-300	1675	<5				<0.1	24	13	66	25	<5	<3	1	<10	<2	0.01	14	24
404277	-300	1700	21	12			<0.1	28	13	66	28	<5	<3	2	<10	<2	0.01	15	18
404278	-300	1750	10				0.1	22	11	56	31	<5	<3	1	<10	<2	0.01	12	18
404279	-200	750	8				0.1	20	12	62	28	<5	<3	1	<10	<2	0.01	11	14
404281	-200	800	<5				<0.1	16	12	62	35	<5	<3	1	<10	<2	0.01	9	13
404282	-200	825	8				0.1	20	12	61	44	<5	<3	2	<10	<2	0.01	10	15
404283	-200	875	11				<0.1	22	12	64	31	<5	<3	1	<10	<2	0.01	14	19
404284	-200	900	30				<0.1	21	9	68	27	<5	<3	2	<10	<2	0.01	12	26
404285	-200	950	<5				0.1	41	18	76	27	<5	<3	1	<10	<2	0.01	11	16
404286	-200	1000	6				<0.1	22	14	65	36	<5	<3	1	<10	<2	0.01	15	23
404288	-200	1050	11				<0.1	25	13	71	46	<5	<3	1	<10	<2	0.01	14	23
404730	-200	1100	7				<0.1	15	14	48	75	6	<3	1	<10	<2	0.01	7	22
404289	-200	1125	15				<0.1	25	14	80	56	<5	<3	<1	<10	<2	0.01	14	24
404290	-200	1150	<5	7			<0.1	26	7	64	26	<5	<3	1	<10	<2	0.01	13	20
404291	-200	1200	<5				<0.1	19	10	71	19	<5	<3	2	<10	<2	0.01	13	22
404292	-200	1225	5				<0.1	25	13	62	28	<5	<3	1	<10	<2	0.01	14	25
404294	-200	1275	13				<0.1	35	10	68	31	<5	<3	2	<10	<2	0.01	13	27
404296	-200	1325	8				<0.1	23	15	99	37	<5	<3	2	<10	<2	0.01	16	19
404297	-200	1350	8				<0.1	31	14	72	23	<5	<3	1	<10	<2	0.01	12	18
404298	-200	1400	6				<0.1	26	13	74	31	<5	<3	<1	<10	<2	0.01	15	19
404300	-200	1450	7				<0.1	31	15	72	37	<5	<3	1	<10	<2	0.01	17	28
404302	-200	1500	5				<0.1	23	17	70	29	<5	<3	2	<10	<2	0.01	15	23
404304	-200	1550	5				<0.1	18	11	54	21	<5	<3	<1	<10	<2	0.01	10	16
404306	-200	1600	7	7			<0.1	21	10	58	29	<5	<3	2	<10	<2	0.01	12	20
404308	-200	1650	5				<0.1	32	9	61	28	<5	<3	1	<10	<2	0.01	15	35
404310	-200	1700	6				0.1	23	11	63	30	<5	<3	<1	<10	<2	0.01	11	18
404312	-200	1750	23				<0.1	20	15	66	25	<5	<3	1	<10	<2	0.01	14	22
404314	-100	775	28				<0.1	26	17	61	31	<5	<3	1	<10	<2	0.01	12	22
404316	-100	825	10				<0.1	19	21	82	55	<5	<3	1	<10	<2	0.01	12	18
404318	-100	875	10				<0.1	21	19	73	62	<5	<3	1	<10	<2	0.01	14	13
404319	-100	925	19				<0.1	18	18	89	63	<5	<3	1	<10	<2	0.01	15	17
404320	-100	975	7				<0.1	32	20	75	31	<5	<3	2	<10	<2	0.01	10	14
404734	-100	1025	5				<0.1	17	15	60	19	<5	<3	1	<10	<2	0.01	9	16
404321	-100	1075	11				<0.1	19	18	89	32	<5	<3	1	<10	<2	0.01	16	18
404322	-100	1100	7				<0.1	40	22	75	38	<5	<3	<1	<10	<2	0.01	12	15

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404323	-100	1150	21	14			<0.1	23	18	74	62	<5	<3	3	<10	<2	0.01	16	30
404325	-100	1200	9				<0.1	26	15	70	31	<5	<3	2	<10	<2	0.01	13	21
404327	-100	1250	7				<0.1	18	17	68	33	<5	<3	2	<10	<2	0.01	10	17
404329	-100	1300	8				<0.1	18	14	72	26	<5	<3	1	<10	<2	0.01	14	24
404331	-100	1350	5				<0.1	17	18	79	21	<5	<3	<1	<10	<2	0.01	15	16
404333	-100	1400	5				<0.1	23	12	61	23	<5	<3	2	<10	<2	0.01	14	25
404335	-100	1450	12				<0.1	22	16	70	47	<5	<3	2	<10	<2	0.01	15	25
404337	-100	1500	9				<0.1	27	19	83	118	<5	<3	2	<10	<2	0.01	17	25
404339	-100	1550	6				<0.1	28	19	109	46	<5	<3	2	<10	<2	0.01	18	25
404341	-100	1600	<5				<0.1	22	12	70	41	<5	<3	2	<10	<2	0.01	16	27
404343	-100	1650	6	6			<0.1	25	20	69	21	<5	<3	2	<10	<2	0.01	13	20
404345	-100	1700	5				0.1	19	13	66	31	<5	<3	2	<10	<2	0.01	12	23
404347	-100	1750	9				<0.1	25	12	67	85	<5	<3	3	<10	<2	0.01	14	35
404351	0	750	<5				<0.1	27	12	77	49	<5	<3	1	<10	<2	0.01	19	29
404353	0	800	13				0.1	33	14	79	152	<5	<3	1	<10	<2	0.01	15	31
404355	0	850	68				0.1	28	11	76	115	<5	<3	2	<10	<2	0.01	14	20
404357	0	900	13				0.1	27	13	69	69	<5	<3	1	<10	<2	0.01	10	17
404359	0	950	10				0.2	22	14	58	37	<5	<3	1	<10	<2	0.01	12	19
404361	0	1000	7				<0.1	19	19	68	58	<5	<3	2	<10	<2	0.01	13	27
404363	0	1050	5				<0.1	19	13	58	20	<5	<3	2	<10	<2	0.01	11	20
404365	0	1100	17	31			<0.1	20	13	75	55	<5	<3	<1	<10	<2	0.01	13	33
404367	0	1150	6				<0.1	17	12	88	40	<5	<3	2	<10	<2	0.01	15	28
404369	0	1200	9				<0.1	19	11	67	44	<5	<3	1	<10	<2	0.01	14	29
404371	0	1250	43				<0.1	27	17	75	76	<5	<3	1	<10	<2	0.01	14	29
404373	0	1300	7				<0.1	25	17	76	67	<5	<3	<1	<10	<2	0.01	13	38
404375	0	1350	6				0.1	26	14	69	61	<5	<3	<1	<10	<2	0.01	14	26
404377	0	1400	7				<0.1	25	13	71	42	<5	<3	1	<10	<2	0.01	16	29
404379	0	1450	5				<0.1	26	8	64	42	<5	<3	1	<10	<2	0.01	14	33
404381	0	1500	9				<0.1	23	12	59	37	<5	<3	2	<10	<2	0.01	15	29
404383	0	1550	8				<0.1	26	14	62	63	<5	<3	2	<10	<2	0.01	13	26
404385	0	1600	8	8			<0.1	22	12	60	29	<5	<3	2	<10	<2	0.01	12	25
404387	0	1650	<5				<0.1	12	14	25	11	<5	<3	1	<10	<2	0.01	5	5
404389	0	1700	6				<0.1	20	14	55	52	<5	<3	2	<10	<2	0.01	9	15
404391	0	1750	5				<0.1	19	9	53	42	<5	<3	1	<10	<2	0.01	12	19
404392	100	750	114				<0.1	25	24	48	118	<5	<3	1	<10	<2	0.01	10	15
404394	100	800	8				<0.1	22	12	53	81	<5	<3	1	<10	<2	0.01	12	23
404396	100	850	16				0.1	25	13	64	312	<5	<3	2	<10	<2	0.01	11	18
404398	100	900	8				<0.1	20	10	70	33	<5	<3	1	<10	<2	0.01	13	20

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404400	100	950	6				<0.1	22	9	53	36	<5	<3	1	<10	<2	0.01	10	16
404402	100	1000	<5				<0.1	23	17	62	39	<5	<3	1	<10	<2	0.01	11	29
404404	100	1050	<5				<0.1	20	12	57	28	<5	<3	<1	<10	<2	0.01	11	24
404406	100	1100	5	0			<0.1	18	12	58	24	<5	<3	1	<10	<2	0.01	11	19
404408	100	1150	<5				0.4	34	12	48	20	<5	<3	1	<10	<2	0.01	8	19
404411	100	1200	<5				0.2	22	7	32	13	<5	<3	<1	<10	<2	0.01	4	12
404413	100	1250	10				0.4	23	20	60	44	<5	<3	1	<10	<2	0.01	11	17
404414	100	1300	6				<0.1	17	9	62	52	<5	<3	<1	<10	<2	0.01	12	37
404416	100	1350	7				0.2	34	14	51	56	<5	<3	1	<10	<2	0.01	10	33
404418	100	1400	7				<0.1	23	10	59	24	<5	<3	<1	<10	<2	0.01	12	25
404349	100	1450	8				<0.1	28	10	71	38	<5	<3	1	<10	<2	0.01	14	37
404419	100	1500	6				<0.1	23	14	62	37	<5	<3	1	<10	<2	0.01	13	24
404421	100	1550	7				0.1	17	10	42	28	<5	<3	2	<10	<2	0.01	9	13
404423	100	1600	5				<0.1	27	11	75	51	<5	<3	1	<10	<2	0.01	15	35
404425	100	1650	5	5			<0.1	26	14	88	77	7	<3	<1	<10	<2	0.01	19	52
404427	100	1700	8				<0.1	22	16	96	65	<5	<3	1	<10	<2	0.01	16	46
404429	100	1750	<5				<0.1	26	11	61	48	<5	<3	<1	<10	<2	0.01	13	46
404469	200	750	23				<0.1	22	17	80	639	<5	<3	2	<10	<2	0.01	16	26
404467	200	800	17				<0.1	25	11	58	250	<5	<3	1	<10	<2	0.01	13	29
404465	200	850	17	20			0.2	31	16	70	602	<5	<3	1	<10	<2	0.01	16	28
404463	200	900	8	5			<0.1	20	10	62	71	<5	<3	1	<10	<2	0.01	12	32
404461	200	950	6				<0.1	17	8	91	47	<5	<3	1	<10	<2	0.01	16	26
404458	200	1000	<5				<0.1	14	8	65	37	<5	<3	1	<10	<2	0.01	11	26
404459	200	1000	8				<0.1	15	9	67	38	<5	<3	1	<10	<2	0.01	12	25
404456	200	1050	8				<0.1	18	8	73	48	<5	<3	1	<10	<2	0.01	13	27
404455	200	1100	5				<0.1	16	13	81	28	<5	<3	1	<10	<2	0.01	12	17
404453	200	1150	<5				<0.1	16	10	64	19	<5	<3	1	<10	<2	0.01	12	20
404451	200	1200	7				<0.1	22	16	91	51	<5	<3	1	<10	<2	0.01	17	41
404740	200	1250	<5				<0.1	9	7	28	14	<5	<3	1	<10	<2	0.01	5	10
404449	200	1300	<5				<0.1	17	12	72	30	<5	<3	<1	<10	<2	0.01	11	28
404447	200	1350	7				<0.1	26	14	84	52	<5	<3	<1	<10	<2	0.01	15	31
404445	200	1400	7	6			<0.1	23	12	66	44	<5	<3	<1	<10	<2	0.01	13	37
404443	200	1450	14				<0.1	24	11	65	44	<5	<3	<1	<10	<2	0.01	13	34
404440	200	1500	13				0.1	25	15	79	78	<5	<3	<1	<10	<2	0.01	13	35
404441	200	1500	10				<0.1	21	12	68	65	<5	<3	<1	<10	<2	0.01	11	31
404438	200	1550	8				<0.1	16	15	92	47	<5	<3	2	<10	<2	0.01	16	28
404436	200	1600	7				<0.1	26	12	65	46	<5	<3	1	<10	<2	0.01	15	25
404434	200	1650	5				<0.1	22	9	61	40	<5	<3	<1	<10	<2	0.01	13	23

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404432	200	1700	5				<0.1	23	13	68	24	<5	<3	1	<10	<2	0.01	13	24
404430	200	1750	<5				<0.1	26	17	69	43	<5	<3	1	<10	<2	0.01	16	36
404507	300	750	64				<0.1	21	19	64	114	<5	<3	<1	<10	<2	0.01	12	29
404505	300	800	461		1326		0.5	25	158	143	1417	10	<3	2	<10	<2	0.01	14	25
404503	300	850	<5	0			<0.1	24	15	68	45	<5	<3	1	<10	<2	0.01	16	26
404501	300	900	<5				<0.1	20	9	60	32	<5	<3	1	<10	<2	0.01	12	22
404499	300	950	<5				<0.1	22	12	70	28	<5	<3	2	<10	<2	0.01	15	32
404496	300	1000	18				<0.1	25	16	75	59	<5	<3	2	<10	<2	0.01	16	26
404497	300	1000	11				<0.1	25	14	74	58	<5	<3	2	<10	<2	0.01	16	23
404494	300	1050	<5				<0.1	17	11	88	47	5	<3	<1	<10	<2	0.01	15	34
404492	300	1100	7				<0.1	22	9	64	36	<5	<3	<1	<10	<2	0.01	13	32
404743	300	1175	<5				<0.1	13	15	42	14	<5	<3	1	<10	<2	0.01	6	10
404490	300	1225	<5				<0.1	15	9	60	27	<5	<3	1	<10	<2	0.01	11	22
404488	300	1275	48				<0.1	15	14	82	32	<5	<3	1	<10	<2	0.01	14	22
404486	300	1325	7				<0.1	17	13	80	41	<5	<3	1	<10	<2	0.01	13	28
404485	300	1400	8				<0.1	27	13	79	63	<5	<3	<1	<10	<2	0.01	12	31
404483	300	1450	9	0			<0.1	19	13	60	29	<5	<3	<1	<10	<2	0.01	11	22
404480	300	1500	7				<0.1	22	18	64	31	<5	<3	1	<10	<2	0.01	11	18
404481	300	1500	7				<0.1	23	15	65	37	<5	<3	2	<10	<2	0.01	11	22
404478	300	1550	15				0.1	25	12	64	24	<5	<3	1	<10	<2	0.01	11	20
404476	300	1600	12				<0.1	24	15	65	45	<5	<3	2	<10	<2	0.01	16	36
404474	300	1650	9				0.1	29	16	69	48	6	<3	<1	<10	<2	0.01	12	39
404472	300	1700	<5				<0.1	18	14	61	37	<5	<3	1	<10	<2	0.01	11	20
404470	300	1750	12				<0.1	22	13	56	36	<5	<3	2	<10	<2	0.01	12	23
404151	400	750	630		11	10	<0.1	23	13	55	101	<5	<3	2	<10	<2	0.01	9	17
404153	400	800	11				<0.1	44	11	34	25	<5	<3	2	<10	<2	0.01	7	16
404155	400	850	<5				<0.1	22	11	44	22	<5	<3	1	<10	<2	0.01	9	17
404157	400	900	5				<0.1	28	11	70	27	<5	<3	2	<10	<2	0.01	14	22
404159	400	950	7				<0.1	24	12	64	38	<5	<3	1	<10	<2	0.01	13	22
404161	400	1000	10	12			<0.1	19	13	46	90	<5	<3	2	<10	<2	0.01	8	11
404163	400	1050	8				<0.1	19	11	40	24	<5	<3	1	<10	<2	0.01	10	16
404165	400	1100	5				<0.1	25	13	56	26	<5	<3	1	<10	<2	0.01	11	21
404167	400	1150	<5				<0.1	18	11	57	20	<5	<3	1	<10	<2	0.01	12	18
404169	400	1200	8				<0.1	18	13	73	32	<5	<3	1	<10	<2	0.01	11	12
404171	400	1250	9				<0.1	16	12	57	22	<5	<3	1	<10	<2	0.01	9	12
404173	400	1300	26				<0.1	25	16	63	25	<5	<3	1	<10	<2	0.01	9	15
404175	400	1350	24				<0.1	18	19	75	22	<5	<3	1	<10	<2	0.01	11	17
404176	400	1375	7				<0.1	21	10	44	27	<5	<3	1	<10	<2	0.01	7	16

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404178	400	1425	48				<0.1	16	17	71	42	<5	<3	2	<10	<2	0.01	12	21
404179	400	1450	<5				<0.1	11	7	29	6	<5	<3	1	<10	<2	0.01	5	9
404181	400	1500	12	21			<0.1	28	15	73	66	<5	<3	1	<10	<2	0.01	11	22
404183	400	1550	7				<0.1	23	11	68	32	<5	<3	2	<10	<2	0.01	14	28
404184	400	1575	11				<0.1	21	13	51	28	<5	<3	1	<10	<2	0.01	9	17
404186	400	1625	7				<0.1	15	11	18	<5	<5	<3	<1	<10	<2	0.01	2	2
404188	400	1675	7				<0.1	27	13	29	18	<5	<3	1	<10	<2	0.01	4	9
404190	400	1725	<5				<0.1	21	12	60	27	<5	<3	1	<10	<2	0.01	11	17
404509	500	750	6				<0.1	25	8	56	67	<5	<3	1	<10	<2	0.01	10	25
404511	500	800	<5				<0.1	22	10	67	66	<5	<3	1	<10	<2	0.01	13	27
404513	500	850	5				<0.1	17	13	66	64	<5	<3	2	<10	<2	0.01	13	23
404192	500	885	8				<0.1	34	9	66	34	<5	<3	1	<10	<2	0.01	13	24
404193	500	935	<5				<0.1	17	9	53	36	<5	<3	<1	<10	<2	0.01	9	20
404517	500	985	5				<0.1	19	10	68	39	<5	<3	1	<10	<2	0.01	13	18
404515	500	1010	5				<0.1	30	11	64	62	<5	<3	1	<10	<2	0.01	18	36
404516	500	1010	<5				<0.1	31	13	63	48	<5	<3	<1	<10	<2	0.01	16	37
404196	500	1060	32				<0.1	15	11	75	45	<5	<3	1	<10	<2	0.01	12	16
404198	500	1110	32				<0.1	24	13	53	46	<5	<3	2	<10	<2	0.01	11	19
404200	500	1160	24	25			0.6	62	14	69	204	<5	<3	2	<10	<2	0.01	16	36
404102	500	1210	12	6			<0.1	20	26	54	23	<5	<3	1	<10	<2	0.01	12	19
404104	500	1260	12				<0.1	20	18	49	20	<5	<3	1	<10	<2	0.01	10	21
404106	500	1310	7				<0.1	27	29	63	31	<5	<3	<1	<10	<2	0.01	11	17
404543	500	1385	5				<0.1	11	12	55	20	<5	<3	1	<10	<2	0.01	11	9
404545	500	1435	<5				<0.1	13	16	70	45	6	<3	<1	<10	<2	0.01	11	20
404546	500	1485	5				<0.1	16	16	69	41	<5	<3	2	<10	<2	0.01	11	15
404548	500	1535	<5				<0.1	22	12	63	46	<5	<3	1	<10	<2	0.01	9	10
404549	500	1585	10				0.1	20	16	73	38	<5	<3	1	<10	<2	0.01	9	20
404551	500	1635	8				0.1	18	16	69	30	<5	<3	1	<10	<2	0.01	10	15
404205	500	1660	7				0.2	34	16	47	20	<5	<3	1	<10	<2	0.01	9	18
404204	500	1710	6				0.1	26	14	55	21	<5	<3	1	<10	<2	0.01	9	17
404552	500	1750	6				<0.1	16	12	75	19	<5	<3	1	<10	<2	0.01	12	23
404109	600	750	7				<0.1	20	18	73	102	<5	<3	2	<10	<2	0.01	13	21
404585	600	800	<5				<0.1	18	8	80	214	5	<3	1	<10	<2	0.01	14	39
404583	600	850	<5				<0.1	26	8	82	62	<5	<3	<1	<10	<2	0.01	18	31
404111	600	900	<5				<0.1	22	13	63	45	<5	<3	1	<10	<2	0.01	12	21
404581	600	950	6				<0.1	29	10	79	84	<5	<3	<1	<10	<2	0.01	16	42
404114	600	1000	<5				<0.1	22	14	62	45	<5	<3	1	<10	<2	0.01	12	16
404115	600	1050	11				<0.1	28	12	62	79	<5	<3	1	<10	<2	0.01	12	20

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404117	600	1100	13				<0.1	25	13	52	39	<5	<3	1	<10	<2	0.01	10	20
404119	600	1150	<5				<0.1	20	13	65	35	<5	<3	2	<10	<2	0.01	12	23
404121	600	1200	149				<0.1	21	17	62	50	<5	<3	2	<10	<2	0.01	13	18
404123	600	1250	5	0			<0.1	25	14	59	27	<5	<3	2	<10	<2	0.01	13	25
404578	600	1300	9	6			<0.1	24	9	60	44	<5	<3	1	<10	<2	0.01	12	35
404124	600	1350	5				<0.1	20	11	58	26	<5	<3	1	<10	<2	0.01	12	21
404126	600	1400	7				<0.1	18	15	81	61	<5	<3	<1	<10	<2	0.01	14	14
404575	600	1450	8				<0.1	22	9	62	34	<5	<3	<1	<10	<2	0.01	12	32
404573	600	1500	5				<0.1	11	15	49	20	<5	<3	<1	<10	<2	0.01	8	16
404129	600	1550	10				<0.1	27	20	64	21	<5	<3	2	<10	<2	0.01	14	14
404571	600	1600	<5				<0.1	20	14	63	30	<5	<3	1	<10	<2	0.01	13	25
404570	600	1650	5				<0.1	18	11	63	28	<5	<3	1	<10	<2	0.01	12	25
404561	600	1700	<5				<0.1	19	14	57	23	<5	<3	2	<10	<2	0.01	10	18
404559	600	1750	8				<0.1	19	10	48	26	<5	<3	1	<10	<2	0.01	8	18
404754	700	750	17				0.1	22	16	66	170	6	<3	<1	<10	<2	0.01	9	26
404752	700	800	9				<0.1	27	19	73	165	<5	<3	<1	<10	<2	0.01	11	30
404751	700	850	<5	7			<0.1	12	8	49	45	<5	<3	2	<10	<2	0.01	8	13
404749	700	900	<5				<0.1	18	11	51	59	<5	<3	1	<10	<2	0.01	9	15
404747	700	950	11				<0.1	19	15	63	149	<5	<3	1	<10	<2	0.01	11	20
404130	700	1000	10				<0.1	20	16	78	189	<5	<3	1	<10	<2	0.01	14	18
404132	700	1050	20				<0.1	21	16	83	245	<5	<3	1	<10	<2	0.01	19	24
404134	700	1100	9				<0.1	25	47	79	289	<5	<3	2	<10	<2	0.01	15	22
404136	700	1150	<5				<0.1	24	12	55	36	<5	<3	1	<10	<2	0.01	13	29
404138	700	1200	5				<0.1	18	15	61	41	<5	<3	2	<10	<2	0.01	11	19
404140	700	1250	7				<0.1	18	15	58	33	<5	<3	2	<10	<2	0.01	11	19
404141	700	1300	32				<0.1	21	17	99	383	<5	<3	2	<10	<2	0.01	17	21
404143	700	1350	6				<0.1	24	14	62	66	<5	<3	1	<10	<2	0.01	13	23
404145	700	1400	10				<0.1	26	13	67	32	<5	<3	2	<10	<2	0.01	13	26
404147	700	1450	<5				<0.1	26	17	51	26	<5	<3	2	<10	<2	0.01	12	22
404149	700	1500	8				<0.1	21	19	70	42	<5	<3	2	<10	<2	0.01	15	22
404150	700	1525	5				<0.1	16	20	64	46	<5	<3	1	<10	<2	0.01	10	13
404568	700	1575	18				<0.1	11	15	64	40	<5	<3	<1	<10	<2	0.01	10	8
404566	700	1625	13				<0.1	16	18	76	60	<5	<3	<1	<10	<2	0.01	13	24
404564	700	1675	8				<0.1	16	13	73	31	<5	<3	<1	<10	<2	0.01	11	19
404562	700	1725	11				<0.1	19	12	74	28	<5	<3	1	<10	<2	0.01	12	18
404755	800	750	5				<0.1	12	11	60	128	8	<3	<1	<10	<2	0.01	9	29
404757	800	800	41				<0.1	18	21	72	132	<5	<3	2	<10	<2	0.01	11	16
404759	800	850	5				<0.1	17	13	66	77	<5	<3	1	<10	<2	0.01	13	16

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404761	800	925	<5				<0.1	18	15	38	37	<5	<3	1	<10	<2	0.01	8	13
404763	800	975	<5				<0.1	24	11	57	90	<5	<3	1	<10	<2	0.01	15	39
404765	800	1025	8				0.3	24	17	56	264	<5	<3	1	<10	<2	0.01	12	16
404766	800	1025	9				0.3	29	18	58	340	<5	<3	2	<10	<2	0.01	20	22
404519	800	1075	<5				<0.1	18	11	63	324	<5	<3	2	<10	<2	0.01	11	29
404521	800	1125	<5	189	6	0	<0.1	19	11	72	125	<5	<3	1	<10	<2	0.01	13	22
404523	800	1175	<5				<0.1	16	12	56	67	<5	<3	1	<10	<2	0.01	11	24
404525	800	1225	5				<0.1	20	13	58	81	<5	<3	1	<10	<2	0.01	10	20
404527	800	1275	6				<0.1	18	13	75	138	<5	<3	<1	<10	<2	0.01	14	35
404529	800	1325	<5				<0.1	17	17	66	106	<5	<3	1	<10	<2	0.01	12	28
404531	800	1375	<5				<0.1	22	12	54	49	<5	<3	1	<10	<2	0.01	11	30
404533	800	1425	<5				<0.1	27	16	65	34	<5	<3	1	<10	<2	0.01	17	38
404535	800	1475	7				<0.1	22	16	68	49	<5	<3	1	<10	<2	0.01	12	22
404536	800	1500	15				<0.1	14	13	71	41	<5	<3	1	<10	<2	0.01	9	13
404537	800	1500	8				<0.1	14	13	66	38	<5	<3	1	<10	<2	0.01	9	15
404539	800	1550	6				<0.1	17	15	67	43	<5	<3	<1	<10	<2	0.01	11	17
404541	800	1600	27	7			<0.1	15	13	61	36	<5	<3	1	<10	<2	0.01	9	14
404554	800	1650	11				<0.1	17	14	67	41	<5	<3	1	<10	<2	0.01	11	21
404556	800	1700	6				<0.1	13	13	66	31	<5	<3	<1	<10	<2	0.01	12	15
404558	800	1750	8	124			<0.1	16	15	73	24	<5	<3	1	<10	<2	0.01	12	16
404586	900	750	5				<0.1	13	11	60	71	<5	<3	1	<10	<2	0.01	10	14
404588	900	800	9				<0.1	14	15	64	103	<5	<3	<1	<10	<2	0.01	12	23
404590	900	850	7				<0.1	16	17	74	131	<5	<3	<1	<10	<2	0.01	11	24
404768	900	900	10	7			<0.1	16	14	69	48	<5	<3	2	<10	<2	0.01	12	15
404591	900	975	7				<0.1	13	10	55	45	<5	<3	1	<10	<2	0.01	9	15
404592	900	1000	6				<0.1	19	19	73	154	<5	<3	<1	<10	<2	0.01	14	32
404619	900	1000	16				0.2	18	25	54	104	<5	<3	1	<10	<2	0.01	8	19
404593	900	1100	5				<0.1	17	8	81	45	<5	<3	<1	<10	<2	0.01	14	30
404595	900	1150	17	41			<0.1	17	16	78	93	6	<3	2	<10	<2	0.01	14	35
404597	900	1200	<5				<0.1	15	10	38	37	<5	<3	<1	<10	<2	0.01	8	19
404599	900	1250	8				<0.1	16	13	76	120	5	<3	1	<10	<2	0.01	13	23
404601	900	1300	8				<0.1	19	12	61	113	7	3	<1	<10	<2	0.01	11	39
404772	900	1350	12				0.3	45	11	40	112	<5	<3	1	<10	<2	0.01	8	20
404603	900	1400	16				<0.1	25	12	63	56	<5	<3	1	<10	<2	0.01	15	32
404605	900	1450	5				<0.1	15	10	44	28	<5	<3	1	<10	<2	0.01	8	17
404607	900	1500	17				<0.1	19	18	66	43	<5	<3	2	<10	<2	0.01	13	23
404608	900	1500	13				<0.1	22	18	65	52	<5	<3	2	<10	<2	0.01	12	25
404610	900	1550	13				<0.1	17	12	67	46	<5	<3	1	<10	<2	0.01	11	18

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404612	900	1600	30				<0.1	15	11	62	40	<5	<3	1	<10	<2	0.01	9	16
404614	900	1650	12				<0.1	13	11	55	37	<5	<3	1	<10	<2	0.01	10	17
404616	900	1700	8	8			<0.1	12	10	71	42	6	<3	<1	<10	<2	0.01	12	27
404618	900	1750	5				<0.1	19	10	56	32	<5	<3	2	<10	<2	0.01	11	17
404620	1000	750	5				<0.1	14	13	72	42	<5	<3	1	<10	<2	0.01	12	13
404622	1000	800	5				<0.1	28	12	66	45	<5	<3	1	<10	<2	0.01	17	41
404624	1000	850	5				<0.1	28	11	65	57	<5	<3	2	<10	<2	0.01	16	35
404626	1000	900	20				<0.1	15	13	73	101	<5	<3	1	<10	<2	0.01	14	17
404628	1000	950	<5				<0.1	10	16	75	157	<5	<3	1	<10	<2	0.01	11	16
404786	1000	1000	9		7		<0.1	13	14	48	82	<5	<3	<1	<10	<2	0.01	8	11
404784	1000	1050	<5				<0.1	16	12	54	29	<5	<3	<1	<10	<2	0.01	8	17
404630	1000	1100	10				<0.1	15	9	56	25	<5	<3	2	<10	<2	0.01	11	24
404631	1000	1150	<5				<0.1	21	13	67	44	<5	<3	<1	<10	<2	0.01	11	28
404633	1000	1200	<5	0			<0.1	15	7	40	25	<5	<3	1	<10	<2	0.01	8	15
404780	1000	1250	46		6	11	<0.1	22	13	62	70	6	<3	2	<10	<2	0.01	12	28
404778	1000	1300	5				<0.1	24	13	63	50	<5	<3	1	<10	<2	0.01	12	19
404634	1000	1350	11				<0.1	24	11	68	78	8	<3	1	<10	<2	0.01	13	44
404635	1000	1375	23				<0.1	17	9	68	75	<5	<3	1	<10	<2	0.01	12	30
404636	1000	1425	5				<0.1	20	16	74	80	<5	<3	1	<10	<2	0.01	14	26
404637	1000	1475	7				<0.1	21	11	65	44	<5	<3	<1	<10	<2	0.01	12	27
404774	1000	1525	23				<0.1	27	24	73	56	<5	<3	1	<10	<2	0.01	14	25
404639	1000	1575	9				<0.1	20	13	69	54	<5	<3	2	<10	<2	0.01	12	25
404641	1000	1625	23				<0.1	20	11	67	44	<5	<3	1	<10	<2	0.01	13	26
404643	1000	1675	10				<0.1	14	16	72	27	<5	<3	1	<10	<2	0.01	12	22
404645	1000	1725	6				<0.1	14	16	55	34	<5	<3	1	<10	<2	0.01	10	20
404655	1100	750	<5				<0.1	26	18	65	66	<5	<3	1	<10	<2	0.01	17	42
404653	1100	800	8				<0.1	19	10	61	37	<5	<3	1	<10	<2	0.01	13	27
404651	1100	850	9	0			<0.1	32	10	72	97	5	<3	<1	<10	<2	0.01	23	76
404649	1100	900	<5				<0.1	17	14	82	170	<5	<3	1	<10	<2	0.01	16	25
404647	1100	950	5				<0.1	14	11	62	83	6	<3	<1	<10	<2	0.01	11	28
404657	1100	1000	25				<0.1	14	15	84	181	<5	<3	1	<10	<2	0.01	14	14
404658	1100	1000	9				<0.1	14	17	94	225	<5	<3	2	<10	<2	0.01	14	20
404660	1100	1050	5				<0.1	13	11	63	52	<5	<3	1	<10	<2	0.01	15	18
404662	1100	1100	<5				<0.1	17	12	61	89	<5	<3	1	<10	<2	0.01	14	24
404664	1100	1200	6				<0.1	17	9	47	36	5	<3	<1	<10	<2	0.01	10	24
404797	1100	1250	<5				<0.1	15	13	48	23	<5	<3	2	<10	<2	0.01	8	12
404796	1100	1275	6				<0.1	20	12	61	29	<5	<3	2	<10	<2	0.01	11	18
404795	1100	1325	<5				<0.1	20	14	46	20	<5	<3	1	<10	<2	0.01	12	15

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppb	replicate	rerun	rerun 2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
404667	1100	1375	9				<0.1	19	27	84	29	<5	<3	1	<10	<2	0.01	15	28
404794	1100	1425	5				<0.1	23	15	64	38	<5	<3	1	<10	<2	0.01	11	21
404669	1100	1475	<5				<0.1	19	19	70	46	<5	<3	2	<10	<2	0.01	12	24
404670	1100	1500	8	8			<0.1	21	30	75	76	<5	<3	2	<10	<2	0.01	11	24
404671	1100	1500	6				<0.1	20	27	68	66	<5	<3	2	<10	<2	0.01	11	20
404672	1100	1525	171				<0.1	24	15	71	54	<5	<3	2	<10	<2	0.01	13	25
404673	1100	1575	6				<0.1	19	16	64	38	<5	<3	2	<10	<2	0.01	12	27
404675	1100	1625	5				<0.1	19	13	59	34	<5	<3	1	<10	<2	0.01	9	23
404792	1100	1675	6	7			<0.1	21	13	69	53	<5	<3	2	<10	<2	0.01	12	22
404791	1100	1725	7				<0.1	19	12	62	38	<5	<3	<1	<10	<2	0.01	10	17
404679	1200	750	<5				<0.1	17	10	40	23	<5	<3	1	<10	<2	0.01	8	17
404681	1200	800	8				<0.1	22	21	66	76	<5	<3	2	<10	<2	0.01	15	27
404683	1200	850	5				<0.1	17	13	63	166	6	<3	<1	<10	<2	0.01	10	29
404685	1200	900	5				<0.1	17	12	56	61	7	<3	<1	<10	<2	0.01	10	31
404689	1200	1000	<5				<0.1	19	12	71	40	<5	<3	2	<10	<2	0.01	15	23
404690	1200	1000	<5				<0.1	19	11	63	25	<5	<3	1	<10	<2	0.01	14	19
404692	1200	1050	<5	0			<0.1	23	14	67	34	<5	<3	1	<10	<2	0.01	15	34
404694	1200	1100	13				<0.1	15	10	55	44	5	<3	1	<10	<2	0.01	9	21
404696	1200	1150	5				<0.1	16	14	68	69	7	<3	<1	<10	<2	0.01	15	31
404698	1200	1200	<5				<0.1	18	11	76	72	<5	<3	1	<10	<2	0.01	13	26
404700	1200	1250	11				<0.1	18	11	61	45	<5	<3	1	<10	<2	0.01	11	16
404702	1200	1300	7				<0.1	17	10	67	57	<5	<3	2	<10	<2	0.01	11	16
404703	1200	1325	6				<0.1	20	8	50	31	<5	<3	1	<10	<2	0.01	8	20
404704	1200	1375	5				<0.1	20	16	53	35	<5	<3	2	<10	<2	0.01	9	17
404706	1200	1425	6				<0.1	18	15	68	37	<5	<3	1	<10	<2	0.01	12	19
404708	1200	1475	<5				<0.1	23	17	72	56	<5	<3	2	<10	<2	0.01	13	24
404709	1200	1500	<5	0			<0.1	18	10	63	21	<5	<3	1	<10	<2	0.01	12	22
404710	1200	1500	7				<0.1	22	11	71	39	5	<3	<1	<10	<2	0.01	13	35
404789	1200	1550	<5				<0.1	28	17	77	44	<5	<3	2	<10	<2	0.01	13	28
404712	1200	1600	7				<0.1	30	14	72	44	<5	<3	1	<10	<2	0.01	20	28
404788	1200	1675	9		6		<0.1	26	18	72	41	<5	<3	2	<10	<2	0.01	13	29
404787	1200	1725	30		6		<0.1	21	12	64	35	<5	<3	1	<10	<2	0.01	12	17

1999 Grid Soil Data

SAMPLE NUMBER	GRID NORTH	GRID EAST	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
404208	-400	750	286	<5	31	102	554	17	38	6	6	0.21	2.96	0.66	3.88	0.83	0.13	0.05	0.05
404210	-400	800	307	<5	31	105	603	17	38	10	6	0.24	3.09	0.70	4.20	0.95	0.17	0.05	0.07
404212	-400	850	299	<5	29	108	756	21	31	7	6	0.17	3.16	0.57	4.48	0.89	0.15	0.04	0.07
404214	-400	900	364	<5	36	103	615	24	41	15	9	0.22	2.96	0.68	3.98	0.95	0.13	0.05	0.06
404216	-400	950	225	<5	23	96	397	8	30	5	4	0.18	2.16	0.47	3.25	0.68	0.06	0.04	0.03
404217	-400	1000	266	<5	34	95	442	13	37	9	7	0.18	2.48	0.60	3.50	0.81	0.07	0.04	0.04
404219	-400	1050	257	<5	26	96	393	13	29	6	5	0.15	2.81	0.46	3.63	0.75	0.07	0.04	0.04
404221	-400	1100	477	<5	20	107	1065	26	24	4	8	0.26	3.69	0.63	5.12	1.28	0.31	0.04	0.12
404223	-400	1150	335	<5	41	113	512	12	33	16	7	0.20	4.48	0.50	4.37	0.88	0.10	0.04	0.03
404224	-400	1200	171	<5	29	102	410	12	27	9	6	0.22	2.99	0.45	3.62	0.81	0.16	0.04	0.04
404226	-400	1250	200	<5	32	103	397	10	33	10	6	0.21	3.23	0.56	3.84	0.86	0.12	0.04	0.04
404228	-400	1300	238	<5	32	112	517	10	31	11	6	0.22	3.78	0.46	4.18	1.03	0.12	0.04	0.03
404229	-400	1350	240	<5	29	88	348	14	31	8	6	0.19	2.56	0.53	3.29	0.81	0.10	0.04	0.04
404231	-400	1400	198	<5	34	100	470	8	23	9	4	0.15	2.76	0.33	3.65	0.76	0.06	0.04	0.03
404233	-400	1450	279	<5	26	94	461	17	31	5	5	0.13	2.50	0.43	3.38	0.68	0.07	0.04	0.03
404235	-400	1500	185	<5	30	113	350	8	25	6	4	0.17	2.32	0.36	3.71	0.73	0.10	0.03	0.02
404237	-400	1550	177	<5	31	104	426	8	25	8	5	0.17	2.88	0.41	3.88	0.80	0.09	0.04	0.04
404239	-400	1600	176	<5	29	103	338	9	25	8	4	0.17	2.54	0.37	3.52	0.64	0.06	0.04	0.02
404241	-400	1650	247	<5	20	89	496	21	33	3	6	0.21	2.69	0.65	3.59	0.90	0.35	0.05	0.08
404719	-400	1725	243	<5	18	71	667	23	43	4	5	0.15	2.11	0.73	3.01	0.66	0.21	0.03	0.06
404720	-400	1750	284	<5	17	64	2489	37	58	3	4	0.09	1.63	0.87	3.04	0.43	0.11	0.03	0.09
404243	-400	1785	200	<5	20	84	504	21	30	3	4	0.15	2.12	0.44	3.17	0.56	0.12	0.04	0.04
404244	-300	775	281	<5	30	112	608	15	32	7	5	0.20	3.01	0.59	4.25	0.89	0.14	0.05	0.06
404245	-300	825	192	<5	17	61	283	15	24	2	4	0.13	1.80	0.35	2.32	0.45	0.07	0.04	0.03
404247	-300	875	248	<5	29	96	491	16	31	7	6	0.19	2.85	0.57	3.75	0.85	0.12	0.04	0.05
404249	-300	925	208	<5	25	110	489	13	21	4	4	0.16	2.48	0.33	3.66	0.59	0.07	0.03	0.03
404251	-300	975	190	<5	25	96	347	10	23	3	4	0.15	2.50	0.35	3.41	0.65	0.06	0.03	0.04
404253	-300	1025	206	<5	24	84	379	9	27	3	4	0.17	2.47	0.48	3.17	0.72	0.09	0.04	0.04
404255	-300	1075	256	<5	29	87	460	18	34	7	6	0.19	2.31	0.65	3.33	0.84	0.16	0.05	0.06
404256	-300	1125	331	<5	30	100	625	25	37	7	7	0.21	2.66	0.69	3.93	0.98	0.22	0.04	0.08
404258	-300	1175	233	<5	29	109	594	14	31	7	6	0.21	3.07	0.55	4.16	0.94	0.16	0.04	0.05
404260	-300	1225	212	<5	27	102	469	11	32	7	5	0.19	2.85	0.53	3.60	0.83	0.11	0.04	0.04
404262	-300	1275	186	<5	28	85	312	9	26	4	4	0.15	2.74	0.39	3.16	0.58	0.08	0.04	0.03
404264	-300	1325	217	<5	52	132	386	7	31	11	5	0.26	3.38	0.45	4.78	1.22	0.06	0.04	0.02
404266	-300	1375	208	<5	25	121	895	23	17	4	6	0.20	3.02	0.23	5.17	0.87	0.35	0.03	0.05
404268	-300	1425	153	<5	25	102	271	9	20	6	4	0.17	2.19	0.26	3.11	0.55	0.07	0.03	0.01
404270	-300	1475	117	<5	22	91	263	9	19	5	3	0.15	1.93	0.24	2.72	0.46	0.06	0.03	0.01

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404271	-300	1525	227	<5	30	109	345	12	23	9	5	0.17	2.95	0.34	3.84	0.65	0.10	0.04	0.03
404272	-300	1575	194	<5	31	108	484	13	29	9	5	0.18	2.99	0.44	3.86	0.79	0.09	0.04	0.03
404274	-300	1625	117	<5	23	112	644	9	24	3	4	0.20	1.87	0.32	3.28	0.57	0.13	0.04	0.04
404276	-300	1675	203	<5	24	100	595	19	38	11	6	0.23	2.79	0.63	3.83	1.02	0.18	0.05	0.06
404277	-300	1700	177	<5	25	99	926	18	38	4	5	0.19	2.56	0.61	3.58	0.71	0.17	0.05	0.05
404278	-300	1750	202	<5	25	97	453	16	35	7	5	0.18	2.52	0.51	3.25	0.70	0.11	0.04	0.03
404279	-200	750	234	<5	21	92	406	15	27	2	4	0.18	2.13	0.43	3.20	0.65	0.16	0.04	0.05
404281	-200	800	160	<5	18	75	424	16	23	2	4	0.12	1.75	0.38	3.07	0.53	0.12	0.04	0.06
404282	-200	825	215	<5	21	84	464	16	26	3	4	0.15	2.21	0.42	3.20	0.61	0.10	0.04	0.04
404283	-200	875	206	<5	25	86	848	14	25	2	4	0.12	2.41	0.39	3.23	0.60	0.08	0.04	0.06
404284	-200	900	205	<5	29	110	432	12	28	6	5	0.20	2.66	0.47	3.80	0.75	0.08	0.05	0.04
404285	-200	950	227	<5	22	89	602	17	33	2	4	0.17	2.28	0.53	3.24	0.67	0.12	0.04	0.06
404286	-200	1000	203	<5	31	105	477	12	29	8	5	0.20	3.05	0.51	4.01	0.79	0.10	0.05	0.06
404288	-200	1050	275	<5	31	103	452	14	35	4	6	0.20	2.99	0.58	3.78	0.76	0.10	0.05	0.05
404730	-200	1100	171	<5	19	76	296	11	21	3	3	0.10	1.99	0.30	2.65	0.41	0.08	0.02	0.04
404289	-200	1125	226	<5	32	110	568	17	32	4	6	0.19	2.95	0.55	4.03	0.84	0.14	0.04	0.06
404290	-200	1150	266	<5	29	94	435	13	33	4	5	0.17	2.79	0.55	3.44	0.73	0.08	0.05	0.05
404291	-200	1200	177	<5	31	116	474	9	25	5	5	0.20	2.62	0.43	4.01	0.79	0.08	0.04	0.04
404292	-200	1225	214	<5	29	97	506	12	26	6	5	0.16	2.75	0.45	3.68	0.78	0.09	0.04	0.05
404294	-200	1275	271	<5	33	85	399	21	35	5	7	0.18	2.70	0.60	3.33	0.80	0.13	0.04	0.06
404296	-200	1325	359	<5	23	105	1023	22	32	5	7	0.21	3.03	0.68	4.77	1.18	0.33	0.04	0.10
404297	-200	1350	285	<5	28	84	481	31	35	5	8	0.18	2.65	0.62	3.44	0.90	0.25	0.04	0.07
404298	-200	1400	219	<5	26	101	579	12	30	7	6	0.25	2.87	0.56	3.75	0.97	0.24	0.04	0.06
404300	-200	1450	283	<5	36	112	515	15	34	13	7	0.23	3.83	0.56	4.29	0.93	0.11	0.04	0.04
404302	-200	1500	234	<5	28	114	485	13	29	7	6	0.25	3.41	0.46	4.27	0.80	0.15	0.04	0.03
404304	-200	1550	169	<5	23	87	298	11	31	3	4	0.18	2.19	0.44	2.87	0.59	0.09	0.05	0.03
404306	-200	1600	168	<5	30	115	325	11	30	7	5	0.18	2.74	0.44	3.69	0.66	0.06	0.04	0.02
404308	-200	1650	186	<5	41	110	446	13	43	11	6	0.18	2.96	0.54	3.70	0.86	0.06	0.04	0.02
404310	-200	1700	207	<5	23	79	525	16	49	5	5	0.10	2.46	0.81	3.19	0.71	0.11	0.04	0.05
404312	-200	1750	235	<5	27	97	558	15	33	7	5	0.18	2.60	0.53	3.59	0.80	0.16	0.04	0.05
404314	-100	775	273	<5	30	92	443	13	36	6	6	0.15	2.32	0.63	3.30	0.74	0.09	0.05	0.05
404316	-100	825	368	<5	22	93	313	22	58	4	7	0.13	2.38	1.00	3.62	0.88	0.16	0.05	0.09
404318	-100	875	223	<5	15	91	788	14	21	2	4	0.20	1.96	0.42	3.61	0.72	0.27	0.04	0.06
404319	-100	925	201	<5	23	110	545	12	23	5	6	0.25	2.90	0.51	4.45	1.00	0.27	0.05	0.08
404320	-100	975	213	<5	21	89	440	15	24	2	5	0.17	2.17	0.35	3.38	0.68	0.17	0.05	0.04
404734	-100	1025	183	<5	22	69	295	10	27	3	3	0.12	1.87	0.43	2.66	0.57	0.09	0.03	0.06
404321	-100	1075	279	<5	25	96	775	18	27	2	6	0.16	2.74	0.51	3.98	0.88	0.18	0.04	0.07
404322	-100	1100	384	<5	22	76	1034	23	59	2	5	0.07	2.52	0.93	3.12	0.58	0.14	0.05	0.06

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404323	-100	1150	229	<5	32	114	586	12	25	9	5	0.18	3.18	0.37	4.36	0.81	0.14	0.05	0.04
404325	-100	1200	167	<5	25	92	582	11	23	4	4	0.16	2.37	0.36	3.54	0.72	0.16	0.04	0.06
404327	-100	1250	179	<5	20	87	384	12	19	3	4	0.16	2.10	0.33	3.15	0.65	0.17	0.03	0.05
404329	-100	1300	205	<5	27	101	772	12	23	3	4	0.15	2.21	0.43	3.66	0.73	0.12	0.04	0.07
404331	-100	1350	167	<5	22	123	712	11	21	5	5	0.28	2.59	0.47	4.40	0.90	0.21	0.04	0.08
404333	-100	1400	210	<5	31	98	457	11	27	8	5	0.19	2.79	0.46	3.57	0.79	0.10	0.04	0.04
404335	-100	1450	167	<5	31	114	561	10	25	6	5	0.21	3.02	0.48	4.10	0.84	0.13	0.04	0.05
404337	-100	1500	216	<5	36	120	654	18	24	11	7	0.19	4.23	0.33	5.34	0.93	0.24	0.04	0.03
404339	-100	1550	250	<5	27	121	874	17	21	10	8	0.27	4.33	0.39	5.65	1.18	0.34	0.04	0.06
404341	-100	1600	180	<5	34	124	457	12	28	7	5	0.21	3.56	0.42	4.40	0.81	0.08	0.04	0.04
404343	-100	1650	186	<5	29	117	580	13	29	7	5	0.16	2.94	0.43	4.03	0.74	0.10	0.04	0.04
404345	-100	1700	166	<5	28	126	393	11	29	6	4	0.18	2.33	0.42	3.78	0.71	0.08	0.04	0.03
404347	-100	1750	220	<5	35	114	451	10	32	8	5	0.16	3.06	0.47	4.14	0.76	0.08	0.04	0.04
404351	0	750	331	<5	28	103	850	19	40	5	6	0.16	2.60	0.74	4.07	0.92	0.27	0.05	0.10
404353	0	800	555	<5	36	108	803	37	63	6	10	0.16	3.00	0.94	4.16	0.99	0.16	0.06	0.08
404355	0	850	446	<5	27	95	923	25	53	3	7	0.14	2.56	0.91	3.76	0.80	0.19	0.05	0.08
404357	0	900	423	<5	25	72	364	20	74	4	6	0.13	2.23	1.22	2.83	0.70	0.15	0.05	0.09
404359	0	950	312	<5	22	62	792	38	50	2	6	0.11	2.18	0.75	2.73	0.56	0.13	0.05	0.08
404361	0	1000	169	<5	31	106	371	9	20	5	4	0.13	3.46	0.22	4.23	0.62	0.08	0.03	0.02
404363	0	1050	172	<5	25	89	688	7	25	3	3	0.12	2.18	0.32	3.37	0.48	0.07	0.03	0.03
404365	0	1100	250	<5	22	93	675	16	26	4	5	0.19	2.55	0.51	3.86	0.85	0.26	0.04	0.08
404367	0	1150	196	<5	28	109	775	13	27	3	5	0.21	2.56	0.56	4.30	0.96	0.20	0.04	0.09
404369	0	1200	212	<5	30	100	404	12	26	4	5	0.17	2.65	0.42	3.73	0.79	0.07	0.04	0.05
404371	0	1250	212	<5	32	103	873	16	32	3	6	0.17	2.59	0.51	3.92	0.84	0.12	0.04	0.06
404373	0	1300	236	<5	31	109	564	17	35	3	6	0.17	2.85	0.60	4.04	0.84	0.10	0.04	0.06
404375	0	1350	255	<5	33	106	522	16	30	6	7	0.19	3.49	0.40	3.95	0.74	0.09	0.04	0.03
404377	0	1400	213	<5	35	107	585	16	30	13	6	0.24	3.19	0.50	3.93	0.93	0.17	0.04	0.05
404379	0	1450	249	<5	33	103	450	11	29	6	5	0.20	3.11	0.49	3.78	0.84	0.11	0.04	0.04
404381	0	1500	211	<5	32	109	406	10	22	11	5	0.20	3.23	0.34	4.10	0.72	0.10	0.04	0.04
404383	0	1550	235	<5	33	116	386	14	29	7	6	0.18	3.46	0.39	4.12	0.74	0.09	0.03	0.02
404385	0	1600	183	<5	36	106	307	11	25	8	5	0.16	3.09	0.36	3.93	0.70	0.05	0.04	0.04
404387	0	1650	84	<5	13	68	137	8	19	2	2	0.17	1.02	0.20	1.58	0.18	0.06	0.04	0.01
404389	0	1700	134	<5	23	104	356	10	23	3	4	0.13	2.40	0.31	3.15	0.51	0.09	0.04	0.02
404391	0	1750	174	<5	25	93	332	9	23	7	4	0.17	2.74	0.33	3.37	0.61	0.08	0.05	0.03
404392	100	750	234	<5	24	81	385	8	26	4	4	0.10	2.24	0.34	2.91	0.37	0.04	0.04	0.03
404394	100	800	256	<5	30	97	397	13	37	3	4	0.12	2.10	0.58	3.31	0.64	0.06	0.04	0.03
404396	100	850	508	<5	26	78	691	20	46	2	6	0.10	2.46	0.73	3.37	0.63	0.08	0.04	0.06
404398	100	900	269	<5	28	88	623	14	36	4	5	0.17	2.11	0.72	3.45	0.84	0.19	0.05	0.08

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404400	100	950	367	<5	23	80	359	29	42	4	6	0.14	2.19	0.69	3.29	0.64	0.10	0.04	0.06
404402	100	1000	248	<5	24	97	458	14	24	3	5	0.10	2.74	0.35	3.74	0.69	0.16	0.03	0.05
404404	100	1050	145	<5	23	83	491	15	20	1	3	0.10	2.07	0.25	2.90	0.40	0.06	0.03	0.04
404406	100	1100	158	<5	21	94	730	7	21	2	3	0.15	1.81	0.27	3.10	0.44	0.07	0.04	0.03
404408	100	1150	161	<5	22	72	241	12	26	4	3	0.14	1.78	0.35	2.56	0.47	0.07	0.05	0.02
404411	100	1200	109	<5	14	51	106	10	23	1	2	0.10	0.98	0.31	1.56	0.25	0.05	0.04	0.03
404413	100	1250	242	<5	25	73	435	23	36	2	5	0.11	2.26	0.55	2.73	0.52	0.06	0.04	0.07
404414	100	1300	171	<5	29	93	481	9	26	4	4	0.15	2.22	0.47	3.39	0.74	0.08	0.04	0.05
404416	100	1350	254	<5	26	74	450	14	31	2	4	0.09	2.51	0.39	2.91	0.41	0.07	0.04	0.05
404418	100	1400	201	<5	28	78	332	11	29	5	4	0.17	2.30	0.52	3.06	0.77	0.10	0.04	0.06
404349	100	1450	273	<5	35	104	466	12	34	6	6	0.21	3.09	0.59	3.94	0.90	0.10	0.05	0.06
404419	100	1500	226	<5	29	91	395	14	27	5	5	0.17	2.98	0.43	3.60	0.74	0.11	0.03	0.04
404421	100	1550	152	<5	18	64	557	10	24	2	3	0.10	1.81	0.29	2.41	0.34	0.05	0.04	0.03
404423	100	1600	243	<5	32	105	581	16	34	5	6	0.20	3.39	0.58	4.14	0.87	0.12	0.04	0.06
404425	100	1650	230	<5	42	118	565	10	29	8	6	0.21	4.44	0.38	5.19	0.94	0.11	0.04	0.04
404427	100	1700	217	<5	40	131	477	9	29	7	5	0.19	3.78	0.36	5.05	0.88	0.08	0.03	0.03
404429	100	1750	190	<5	36	105	398	12	31	10	5	0.17	3.17	0.46	3.74	0.80	0.07	0.05	0.04
404469	200	750	349	<5	31	103	633	20	28	5	7	0.13	3.25	0.49	4.50	0.87	0.12	0.04	0.05
404467	200	800	491	<5	34	101	352	12	32	7	5	0.14	2.62	0.56	3.57	0.72	0.06	0.05	0.04
404465	200	850	435	<5	34	101	1143	21	41	3	7	0.13	3.17	0.57	4.02	0.65	0.08	0.04	0.05
404463	200	900	387	<5	30	94	584	14	33	5	5	0.11	2.50	0.54	3.66	0.69	0.08	0.04	0.04
404461	200	950	402	<5	18	101	944	16	21	6	7	0.21	2.80	0.60	4.69	1.05	0.62	0.03	0.13
404458	200	1000	209	<5	23	92	550	9	34	3	4	0.18	2.12	0.59	3.38	0.71	0.27	0.04	0.05
404459	200	1000	218	<5	24	96	538	9	35	4	5	0.19	2.35	0.63	3.67	0.76	0.27	0.04	0.06
404456	200	1050	333	<5	24	82	732	27	56	4	6	0.15	2.34	0.85	3.40	0.75	0.21	0.05	0.08
404455	200	1100	253	<5	19	92	575	22	25	2	5	0.17	2.33	0.47	3.73	0.79	0.22	0.03	0.08
404453	200	1150	204	<5	25	97	474	16	25	4	4	0.17	2.28	0.44	3.56	0.74	0.14	0.04	0.05
404451	200	1200	294	<5	36	127	604	17	28	10	6	0.21	3.79	0.48	4.84	1.03	0.17	0.04	0.06
404740	200	1250	119	<5	14	76	146	9	16	2	2	0.11	1.19	0.19	2.06	0.27	0.03	0.03	0.02
404449	200	1300	149	<5	29	114	427	9	26	4	4	0.18	2.24	0.39	3.65	0.72	0.07	0.04	0.03
404447	200	1350	308	<5	35	106	721	16	43	4	6	0.18	3.30	0.68	4.11	0.84	0.11	0.05	0.06
404445	200	1400	231	<5	31	91	436	11	36	5	5	0.18	2.61	0.63	3.35	0.82	0.09	0.05	0.06
404443	200	1450	234	<5	32	95	432	13	35	6	5	0.19	2.61	0.65	3.53	0.84	0.11	0.04	0.07
404440	200	1500	285	<5	30	99	597	21	40	5	6	0.22	2.72	0.76	3.90	0.89	0.17	0.05	0.08
404441	200	1500	247	<5	26	85	536	19	35	5	6	0.19	2.16	0.67	3.29	0.77	0.19	0.05	0.07
404438	200	1550	170	<5	24	109	751	17	31	6	6	0.24	3.36	0.61	4.67	0.99	0.18	0.04	0.09
404436	200	1600	274	<5	31	95	624	13	30	6	6	0.17	3.05	0.50	3.82	0.76	0.09	0.04	0.05
404434	200	1650	186	<5	30	85	409	13	27	5	5	0.16	2.73	0.50	3.40	0.73	0.08	0.04	0.06

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404432	200	1700	241	<5	28	96	549	21	32	7	6	0.17	2.80	0.47	3.80	0.83	0.14	0.04	0.04
404430	200	1750	226	<5	36	112	454	9	28	9	6	0.17	3.41	0.41	4.17	0.87	0.08	0.04	0.02
404507	300	750	383	<5	32	89	389	10	29	6	5	0.14	2.45	0.50	3.39	0.77	0.07	0.04	0.04
404505	300	800	314	<5	30	97	586	18	28	4	8	0.10	3.02	0.48	4.47	0.72	0.12	0.04	0.06
404503	300	850	349	<5	35	118	421	12	29	12	6	0.22	3.68	0.43	4.29	0.85	0.12	0.04	0.02
404501	300	900	559	<5	25	98	471	20	32	5	6	0.15	2.65	0.51	3.72	0.69	0.10	0.05	0.04
404499	300	950	312	<5	34	108	581	11	35	7	6	0.17	2.95	0.57	4.13	0.85	0.09	0.04	0.04
404496	300	1000	376	<5	34	109	694	19	33	7	6	0.16	3.42	0.49	4.32	0.78	0.12	0.04	0.04
404497	300	1000	358	<5	34	109	658	19	32	7	7	0.17	3.36	0.49	4.29	0.80	0.11	0.04	0.03
404494	300	1050	318	<5	23	102	752	22	26	4	6	0.17	2.35	0.62	4.53	0.93	0.37	0.03	0.12
404492	300	1100	283	<5	30	102	505	16	32	4	5	0.16	2.40	0.58	3.81	0.76	0.10	0.04	0.06
404743	300	1175	125	<5	13	36	221	11	19	2	2	0.10	1.30	0.28	1.71	0.42	0.15	0.03	0.06
404490	300	1225	144	<5	24	92	488	9	23	3	4	0.17	1.97	0.37	3.23	0.67	0.10	0.04	0.05
404488	300	1275	220	<5	26	105	553	15	38	6	5	0.21	2.65	0.66	3.90	0.93	0.24	0.05	0.07
404486	300	1325	208	<5	30	109	509	11	32	4	5	0.20	2.95	0.51	3.85	0.81	0.11	0.05	0.04
404485	300	1400	304	<5	33	96	499	22	40	3	7	0.16	3.25	0.61	3.80	0.76	0.12	0.04	0.07
404483	300	1450	154	<5	27	88	330	9	28	5	4	0.17	2.34	0.44	3.19	0.65	0.07	0.04	0.04
404480	300	1500	219	<5	27	81	342	17	32	3	5	0.14	2.44	0.51	3.16	0.66	0.09	0.04	0.06
404481	300	1500	232	<5	29	83	337	17	34	3	6	0.15	2.67	0.53	3.28	0.69	0.09	0.04	0.06
404478	300	1550	212	<5	28	74	367	23	31	8	7	0.17	2.13	0.55	2.99	0.73	0.16	0.04	0.06
404476	300	1600	187	<5	33	99	476	10	23	7	5	0.13	3.12	0.37	4.08	0.78	0.08	0.04	0.04
404474	300	1650	269	<5	32	81	485	18	35	8	6	0.18	2.40	0.59	3.23	0.78	0.14	0.05	0.07
404472	300	1700	167	<5	28	112	396	11	22	6	5	0.16	2.73	0.33	3.84	0.70	0.07	0.03	0.02
404470	300	1750	255	<5	30	89	451	25	33	4	5	0.14	2.47	0.47	3.30	0.71	0.09	0.04	0.04
404151	400	750	175	<5	24	85	276	8	20	1	3	0.11	1.98	0.29	2.96	0.47	0.06	0.04	0.03
404153	400	800	206	<5	18	51	164	16	20	1	3	0.07	1.72	0.18	2.02	0.23	0.04	0.04	0.03
404155	400	850	201	<5	23	74	231	11	26	2	4	0.12	2.03	0.37	2.58	0.44	0.06	0.04	0.03
404157	400	900	230	<5	28	98	546	14	28	5	5	0.19	2.44	0.55	3.72	0.81	0.16	0.04	0.07
404159	400	950	331	<5	29	102	639	14	39	3	5	0.15	2.61	0.62	3.70	0.75	0.10	0.04	0.05
404161	400	1000	207	<5	18	85	354	6	24	2	3	0.14	1.61	0.34	2.67	0.39	0.11	0.04	0.03
404163	400	1050	188	<5	20	71	357	14	25	3	4	0.13	1.82	0.34	2.53	0.41	0.06	0.05	0.03
404165	400	1100	263	<5	29	96	415	15	33	5	5	0.16	2.39	0.52	3.29	0.62	0.08	0.04	0.04
404167	400	1150	166	<5	26	102	396	13	21	4	4	0.15	2.15	0.34	3.56	0.61	0.13	0.04	0.04
404169	400	1200	237	<5	17	78	473	14	25	2	4	0.18	2.18	0.46	3.28	0.72	0.34	0.04	0.08
404171	400	1250	173	<5	17	71	406	10	27	1	3	0.13	1.77	0.40	2.59	0.56	0.18	0.04	0.06
404173	400	1300	234	<5	22	71	386	13	40	2	4	0.12	2.03	0.58	2.60	0.55	0.11	0.04	0.04
404175	400	1350	243	<5	23	69	484	16	46	4	4	0.14	2.31	0.72	2.91	0.67	0.14	0.04	0.05
404176	400	1375	199	<5	19	53	239	21	25	1	3	0.08	1.86	0.32	2.12	0.33	0.06	0.04	0.05

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404178	400	1425	122	<5	26	91	505	9	18	5	4	0.16	2.26	0.37	3.52	0.72	0.08	0.04	0.05
404179	400	1450	55	<5	12	69	155	4	12	1	2	0.11	0.90	0.15	1.94	0.22	0.04	0.03	0.01
404181	400	1500	274	<5	32	98	592	17	43	4	5	0.13	3.46	0.55	3.74	0.62	0.10	0.04	0.05
404183	400	1550	186	<5	31	92	430	10	32	5	4	0.17	2.62	0.54	3.49	0.79	0.09	0.04	0.05
404184	400	1575	174	<5	22	76	300	14	37	3	4	0.15	1.87	0.53	2.64	0.55	0.09	0.04	0.04
404186	400	1625	55	<5	6	26	52	5	15	<1	<1	0.04	0.30	0.16	0.84	0.07	0.03	0.04	0.02
404188	400	1675	132	<5	15	38	132	12	25	1	2	0.05	1.19	0.26	1.56	0.16	0.05	0.04	0.04
404190	400	1725	154	<5	27	128	391	12	26	5	5	0.18	2.37	0.35	3.93	0.60	0.14	0.03	0.02
404509	500	750	300	<5	25	78	375	14	33	2	5	0.14	2.33	0.49	3.04	0.55	0.10	0.04	0.03
404511	500	800	277	<5	31	93	450	12	32	5	5	0.17	2.93	0.52	3.73	0.76	0.11	0.04	0.06
404513	500	850	206	<5	30	112	382	8	26	8	5	0.17	2.75	0.44	3.91	0.75	0.08	0.03	0.04
404192	500	885	331	<5	34	92	521	19	38	5	8	0.19	2.65	0.62	3.54	0.80	0.13	0.04	0.05
404193	500	935	152	<5	23	77	256	8	22	3	3	0.16	2.03	0.35	2.81	0.54	0.08	0.04	0.04
404517	500	985	179	<5	26	100	466	12	25	4	5	0.21	2.40	0.51	3.62	0.80	0.20	0.04	0.07
404515	500	1010	209	<5	36	100	447	9	24	10	6	0.18	3.57	0.43	3.91	0.87	0.10	0.04	0.05
404516	500	1010	225	<5	37	106	460	9	26	8	6	0.17	3.33	0.47	3.91	0.87	0.09	0.04	0.05
404196	500	1060	211	<5	19	103	537	15	22	3	5	0.18	2.48	0.39	3.94	0.78	0.21	0.03	0.06
404198	500	1110	198	<5	27	85	329	9	22	3	4	0.13	2.50	0.37	3.13	0.57	0.08	0.04	0.03
404200	500	1160	693	<5	36	93	1836	45	55	3	9	0.11	3.55	0.77	4.15	0.61	0.13	0.05	0.08
404102	500	1210	180	<5	26	87	413	10	23	3	4	0.14	2.15	0.38	3.15	0.62	0.08	0.03	0.03
404104	500	1260	169	<5	26	82	333	8	23	4	4	0.13	2.07	0.34	2.86	0.58	0.07	0.04	0.02
404106	500	1310	286	<5	24	86	475	28	42	4	6	0.15	2.36	0.71	3.31	0.78	0.21	0.04	0.05
404543	500	1385	180	<5	18	77	475	10	19	3	2	0.17	1.89	0.27	2.89	0.67	0.29	0.05	0.04
404545	500	1435	215	<5	14	86	634	15	17	1	3	0.16	2.51	0.27	3.25	0.64	0.40	0.04	0.07
404546	500	1485	221	<5	18	76	689	26	31	2	5	0.11	2.14	0.47	3.33	0.54	0.19	0.05	0.07
404548	500	1535	143	<5	11	76	589	16	11	3	5	0.14	2.60	0.22	3.89	0.57	0.31	0.03	0.06
404549	500	1585	252	<5	25	73	484	29	49	2	6	0.10	2.62	0.65	2.86	0.61	0.13	0.04	0.06
404551	500	1635	252	<5	23	79	453	22	42	2	5	0.13	2.40	0.57	3.00	0.61	0.14	0.05	0.04
404205	500	1660	313	<5	20	51	359	43	72	2	3	0.07	1.85	0.85	2.20	0.42	0.07	0.05	0.09
404204	500	1710	239	<5	23	64	346	25	42	2	4	0.10	2.07	0.55	2.54	0.53	0.08	0.04	0.06
404552	500	1750	227	<5	29	101	476	17	37	4	5	0.19	2.41	0.54	3.48	0.81	0.10	0.04	0.03
404109	600	750	189	<5	30	124	494	11	25	4	4	0.17	2.52	0.40	4.31	0.71	0.10	0.03	0.05
404585	600	800	249	<5	31	128	597	12	32	6	6	0.21	2.89	0.51	4.46	0.81	0.12	0.04	0.04
404583	600	850	263	<5	37	120	590	15	35	8	7	0.23	3.41	0.68	4.58	0.98	0.17	0.05	0.08
404111	600	900	181	<5	25	94	429	12	26	4	4	0.17	2.29	0.45	3.43	0.69	0.11	0.03	0.06
404581	600	950	336	<5	39	112	514	20	45	10	7	0.25	3.20	0.78	4.23	1.01	0.17	0.06	0.07
404114	600	1000	270	<5	23	83	455	13	25	4	4	0.15	2.32	0.41	3.20	0.72	0.19	0.04	0.04
404115	600	1050	220	<5	28	88	427	12	26	4	4	0.13	2.30	0.48	3.38	0.72	0.10	0.03	0.05

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404117	600	1100	198	<5	27	81	281	11	21	4	4	0.11	2.37	0.30	3.03	0.54	0.07	0.03	0.03
404119	600	1150	171	<5	30	116	504	9	21	5	4	0.16	2.65	0.33	4.01	0.73	0.09	0.03	0.03
404121	600	1200	157	<5	26	98	562	9	19	3	4	0.16	2.21	0.26	3.57	0.62	0.08	0.03	0.03
404123	600	1250	224	<5	31	99	474	16	31	5	5	0.16	2.52	0.51	3.66	0.76	0.08	0.04	0.05
404578	600	1300	325	<5	31	101	453	21	47	3	5	0.17	2.54	0.77	3.50	0.71	0.11	0.05	0.05
404124	600	1350	181	<5	27	87	342	10	26	5	4	0.17	2.38	0.43	3.24	0.70	0.08	0.03	0.05
404126	600	1400	279	<5	20	101	606	13	22	2	5	0.19	3.34	0.30	4.38	0.85	0.25	0.03	0.04
404575	600	1450	199	<5	31	96	380	16	26	5	5	0.17	2.43	0.44	3.41	0.75	0.12	0.04	0.06
404573	600	1500	177	<5	20	73	456	17	14	1	2	0.11	1.56	0.19	2.80	0.47	0.20	0.03	0.06
404129	600	1550	135	<5	26	110	599	10	16	4	4	0.14	3.01	0.22	4.43	0.65	0.21	0.03	0.04
404571	600	1600	201	<5	25	95	1072	20	20	2	3	0.12	2.19	0.26	3.36	0.47	0.09	0.03	0.04
404570	600	1650	186	<5	26	95	463	14	28	2	5	0.15	2.45	0.41	3.39	0.70	0.08	0.04	0.04
404561	600	1700	170	<5	27	97	349	11	29	5	5	0.17	2.54	0.39	3.31	0.66	0.08	0.04	0.02
404559	600	1750	173	<5	24	70	287	12	25	3	4	0.11	2.20	0.31	2.59	0.49	0.07	0.04	0.03
404754	700	750	352	<5	22	69	360	18	37	3	4	0.11	2.04	0.54	2.97	0.55	0.09	0.03	0.07
404752	700	800	535	<5	26	79	425	24	59	4	5	0.12	2.41	0.86	3.34	0.66	0.11	0.03	0.06
404751	700	850	154	<5	21	77	214	7	19	3	3	0.13	1.95	0.28	2.75	0.49	0.05	0.03	0.03
404749	700	900	108	<5	20	90	246	7	16	5	3	0.13	2.24	0.22	3.29	0.44	0.05	0.03	0.02
404747	700	950	288	<5	23	83	545	14	30	4	5	0.12	2.43	0.49	3.46	0.64	0.12	0.03	0.05
404130	700	1000	198	<5	27	99	686	22	28	3	6	0.16	2.32	0.55	4.11	0.75	0.19	0.04	0.08
404132	700	1050	198	<5	29	108	726	14	21	7	6	0.20	3.35	0.46	4.94	0.94	0.21	0.03	0.06
404134	700	1100	256	<5	28	105	617	16	27	4	5	0.17	2.85	0.48	4.24	0.84	0.15	0.03	0.07
404136	700	1150	172	<5	31	95	346	9	23	7	5	0.15	2.90	0.34	3.54	0.68	0.06	0.03	0.03
404138	700	1200	217	<5	28	98	461	11	29	4	4	0.13	2.24	0.40	3.43	0.70	0.07	0.03	0.02
404140	700	1250	140	<5	25	91	365	8	21	5	4	0.16	2.08	0.29	3.34	0.64	0.11	0.04	0.02
404141	700	1300	244	<5	22	120	832	11	23	4	6	0.24	2.93	0.47	4.97	1.10	0.34	0.03	0.08
404143	700	1350	287	<5	30	93	521	15	28	3	5	0.14	2.62	0.37	3.48	0.67	0.08	0.04	0.03
404145	700	1400	170	<5	31	109	415	11	28	3	4	0.18	2.63	0.46	3.77	0.67	0.09	0.04	0.02
404147	700	1450	183	<5	32	107	315	10	23	7	4	0.15	3.20	0.26	3.77	0.48	0.06	0.04	0.03
404149	700	1500	200	<5	24	91	465	8	14	9	5	0.16	3.65	0.17	4.07	0.64	0.17	0.03	0.03
404150	700	1525	308	<5	16	77	414	26	20	7	4	0.16	2.69	0.21	3.30	0.51	0.26	0.03	0.04
404568	700	1575	335	<5	15	77	551	41	32	3	5	0.14	2.54	0.48	3.32	0.55	0.21	0.04	0.07
404566	700	1625	373	<5	22	84	1144	30	37	2	6	0.13	2.95	0.53	3.55	0.66	0.18	0.04	0.07
404564	700	1675	289	<5	25	80	420	22	37	2	5	0.14	2.61	0.55	3.22	0.71	0.18	0.04	0.07
404562	700	1725	271	<5	30	86	599	19	45	2	6	0.16	2.68	0.67	3.27	0.80	0.16	0.06	0.08
404755	800	750	231	<5	15	70	653	14	20	2	3	0.10	1.53	0.36	2.81	0.51	0.17	0.03	0.08
404757	800	800	238	<5	19	87	501	15	23	2	4	0.16	1.97	0.43	3.39	0.71	0.22	0.03	0.06
404759	800	850	326	<5	19	77	900	19	34	2	4	0.13	1.88	0.54	3.09	0.58	0.18	0.03	0.07

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404761	800	925	286	<5	15	42	493	22	33	1	2	0.06	1.39	0.44	1.85	0.29	0.06	0.03	0.08
404763	800	975	144	<5	34	107	393	11	22	5	5	0.15	3.52	0.32	4.13	0.66	0.07	0.03	0.03
404765	800	1025	277	<5	28	82	653	28	36	3	5	0.09	2.86	0.46	3.35	0.51	0.09	0.04	0.07
404766	800	1025	326	<5	29	92	1533	31	45	2	6	0.10	2.89	0.56	3.73	0.50	0.09	0.04	0.07
404519	800	1075	204	<5	29	112	388	13	25	3	5	0.13	2.70	0.38	3.95	0.65	0.08	0.03	0.04
404521	800	1125	180	<5	29	114	518	11	27	5	5	0.19	2.56	0.52	4.11	0.84	0.11	0.04	0.06
404523	800	1175	151	<5	24	87	379	10	24	4	4	0.15	1.86	0.38	3.06	0.63	0.08	0.04	0.03
404525	800	1225	212	<5	25	80	399	13	32	2	4	0.14	1.98	0.49	3.04	0.63	0.09	0.04	0.06
404527	800	1275	199	<5	28	111	685	11	29	5	5	0.17	2.78	0.48	4.02	0.86	0.14	0.04	0.04
404529	800	1325	253	<5	29	100	486	12	30	4	5	0.16	2.57	0.48	3.74	0.77	0.10	0.04	0.03
404531	800	1375	210	<5	30	114	332	11	28	6	5	0.19	2.57	0.41	3.60	0.60	0.06	0.04	0.02
404533	800	1425	222	<5	38	114	464	11	28	10	5	0.19	3.00	0.47	4.08	0.87	0.08	0.04	0.04
404535	800	1475	244	<5	28	92	488	16	30	3	5	0.16	2.43	0.49	3.46	0.74	0.12	0.04	0.05
404536	800	1500	253	<5	20	76	395	20	30	2	5	0.14	2.13	0.50	2.99	0.68	0.17	0.04	0.06
404537	800	1500	251	<5	20	73	414	21	28	1	4	0.13	2.05	0.48	2.93	0.65	0.14	0.03	0.06
404539	800	1550	308	<5	24	86	487	19	30	3	5	0.16	2.80	0.43	3.33	0.63	0.14	0.03	0.04
404541	800	1600	299	<5	20	78	466	18	29	3	4	0.14	2.35	0.44	3.12	0.59	0.14	0.03	0.06
404554	800	1650	289	<5	20	84	536	19	31	3	5	0.15	2.44	0.42	3.41	0.62	0.17	0.04	0.06
404556	800	1700	277	<5	17	78	724	19	29	3	4	0.15	2.31	0.45	3.26	0.63	0.26	0.03	0.06
404558	800	1750	287	<5	20	89	740	19	34	4	5	0.17	2.45	0.50	3.60	0.64	0.23	0.04	0.07
404586	900	750	241	<5	14	85	620	16	33	2	4	0.18	1.65	0.50	3.31	0.57	0.24	0.05	0.03
404588	900	800	191	<5	20	86	575	14	25	2	4	0.17	1.98	0.43	3.33	0.65	0.20	0.04	0.06
404590	900	850	254	<5	22	78	618	18	23	1	5	0.12	2.43	0.41	3.31	0.65	0.18	0.04	0.08
404768	900	900	275	<5	20	87	982	18	32	2	5	0.13	1.89	0.49	3.31	0.58	0.16	0.04	0.05
404591	900	975	189	<5	18	70	389	17	23	1	4	0.12	1.84	0.38	2.67	0.55	0.11	0.04	0.05
404592	900	1000	236	<5	26	91	869	20	28	3	6	0.14	2.49	0.43	3.61	0.65	0.13	0.04	0.06
404619	900	1000	301	<5	19	59	426	29	32	2	4	0.07	1.90	0.45	2.60	0.42	0.10	0.02	0.07
404593	900	1100	188	<5	30	115	667	14	27	4	5	0.19	2.39	0.52	4.24	0.94	0.18	0.04	0.07
404595	900	1150	225	<5	29	112	641	15	25	5	5	0.18	2.57	0.44	4.12	0.89	0.15	0.03	0.07
404597	900	1200	149	<5	19	60	350	11	17	3	3	0.09	1.56	0.24	2.21	0.42	0.05	0.02	0.03
404599	900	1250	161	<5	22	115	664	11	21	4	5	0.21	2.23	0.43	4.27	0.85	0.16	0.02	0.07
404601	900	1300	199	<5	27	91	442	11	26	4	4	0.15	2.22	0.43	3.31	0.70	0.07	0.02	0.05
404772	900	1350	275	<5	25	60	340	42	39	2	4	0.06	2.32	0.46	2.70	0.37	0.06	0.04	0.10
404603	900	1400	259	<5	31	98	444	12	27	7	5	0.17	2.83	0.43	3.69	0.80	0.09	0.03	0.03
404605	900	1450	138	<5	21	74	233	9	19	2	3	0.12	1.69	0.26	2.61	0.47	0.06	0.02	0.02
404607	900	1500	222	<5	27	99	517	16	26	4	5	0.17	2.35	0.47	3.79	0.74	0.10	0.03	0.05
404608	900	1500	228	<5	27	93	528	14	27	3	5	0.15	2.34	0.45	3.54	0.74	0.09	0.03	0.05
404610	900	1550	277	<5	24	82	510	19	27	3	4	0.13	2.17	0.43	3.16	0.67	0.10	0.03	0.05

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404612	900	1600	237	<5	22	73	363	20	26	3	4	0.12	2.02	0.42	3.02	0.61	0.10	0.02	0.05
404614	900	1650	228	<5	19	67	482	14	24	3	4	0.12	2.11	0.36	2.73	0.53	0.12	0.02	0.04
404616	900	1700	267	<5	21	84	703	13	31	4	4	0.15	2.13	0.48	3.18	0.62	0.12	0.02	0.04
404618	900	1750	242	<5	24	79	482	18	26	2	4	0.10	2.13	0.35	3.08	0.59	0.06	0.02	0.05
404620	1000	750	204	<5	15	80	584	11	18	2	4	0.19	2.13	0.30	3.69	0.65	0.27	0.03	0.04
404622	1000	800	201	<5	48	105	427	13	37	7	8	0.19	2.77	0.58	3.90	0.95	0.08	0.05	0.03
404624	1000	850	316	<5	41	97	537	13	43	6	7	0.18	2.52	0.72	3.75	0.93	0.07	0.05	0.05
404626	1000	900	244	<5	21	89	716	17	23	2	4	0.15	2.11	0.42	3.66	0.73	0.20	0.03	0.07
404628	1000	950	171	<5	16	90	443	14	15	4	4	0.14	2.31	0.31	3.81	0.75	0.25	0.02	0.06
404786	1000	1000	200	<5	13	41	579	23	26	1	3	0.08	1.37	0.40	2.01	0.40	0.16	0.03	0.08
404784	1000	1050	191	<5	21	61	303	15	33	2	3	0.11	1.72	0.49	2.52	0.59	0.10	0.03	0.07
404630	1000	1100	160	<5	28	97	312	10	22	4	4	0.14	2.17	0.33	3.60	0.66	0.05	0.02	0.04
404631	1000	1150	224	<5	27	84	491	13	28	3	4	0.13	2.21	0.41	3.18	0.69	0.09	0.03	0.05
404633	1000	1200	136	<5	18	68	275	9	19	3	3	0.12	1.48	0.25	2.34	0.39	0.05	0.03	0.02
404780	1000	1250	239	<5	29	86	424	16	28	4	5	0.14	2.51	0.41	3.21	0.68	0.07	0.03	0.06
404778	1000	1300	238	<5	30	87	462	16	33	4	5	0.15	2.56	0.48	3.22	0.69	0.09	0.04	0.06
404634	1000	1350	240	<5	33	105	427	12	32	5	5	0.17	2.83	0.48	3.81	0.81	0.07	0.03	0.05
404635	1000	1375	149	<5	26	87	529	9	25	3	4	0.16	2.23	0.46	3.46	0.73	0.15	0.02	0.07
404636	1000	1425	222	<5	29	101	666	15	29	4	5	0.18	2.60	0.47	3.81	0.78	0.11	0.03	0.05
404637	1000	1475	268	<5	25	86	638	18	36	2	5	0.12	2.15	0.55	3.30	0.70	0.09	0.03	0.07
404774	1000	1525	286	<5	33	100	655	19	36	3	5	0.16	2.80	0.52	3.73	0.76	0.08	0.04	0.06
404639	1000	1575	268	<5	27	85	512	17	30	3	5	0.11	2.47	0.47	3.39	0.70	0.10	0.03	0.06
404641	1000	1625	229	<5	27	91	581	15	34	3	4	0.13	2.29	0.52	3.47	0.71	0.12	0.03	0.05
404643	1000	1675	246	<5	25	99	655	15	29	3	4	0.15	2.09	0.52	3.95	0.70	0.12	0.03	0.07
404645	1000	1725	228	<5	21	70	458	13	25	3	4	0.11	2.03	0.38	2.76	0.53	0.06	0.02	0.05
404655	1100	750	263	<5	46	112	388	9	25	11	6	0.15	3.96	0.32	4.08	0.88	0.06	0.02	0.01
404653	1100	800	244	<5	30	96	633	18	29	5	5	0.13	2.64	0.45	3.67	0.75	0.09	0.03	0.03
404651	1100	850	336	<5	73	93	585	17	55	9	9	0.16	2.81	1.14	4.73	1.91	0.06	0.09	0.09
404649	1100	900	239	<5	26	94	624	12	21	6	5	0.17	3.00	0.38	4.24	1.00	0.44	0.03	0.06
404647	1100	950	249	<5	20	70	537	16	22	4	4	0.12	1.83	0.40	3.20	0.67	0.22	0.02	0.07
404657	1100	1000	366	<5	16	82	976	24	24	2	6	0.14	2.31	0.51	4.04	0.84	0.40	0.03	0.10
404658	1100	1000	431	<5	15	85	1100	28	26	3	6	0.15	2.47	0.58	4.35	0.93	0.48	0.03	0.12
404660	1100	1050	166	<5	23	75	811	14	24	1	4	0.12	1.88	0.40	3.05	0.73	0.11	0.03	0.07
404662	1100	1100	215	<5	32	86	652	14	25	2	4	0.11	2.11	0.33	3.40	0.78	0.09	0.03	0.05
404664	1100	1200	173	<5	19	65	569	15	22	2	3	0.10	1.57	0.28	2.39	0.46	0.08	0.02	0.05
404797	1100	1250	168	<5	19	59	291	12	24	2	3	0.11	1.61	0.32	2.21	0.48	0.08	0.03	0.04
404796	1100	1275	184	<5	26	86	534	10	25	3	4	0.14	2.15	0.37	3.14	0.63	0.08	0.03	0.05
404795	1100	1325	224	<5	20	70	493	17	27	2	3	0.12	1.74	0.40	2.56	0.49	0.09	0.04	0.06

1999 Grid Soil Data

NUMBER	NORTH	EAST	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
404667	1100	1375	235	<5	25	105	744	14	26	5	5	0.20	2.64	0.46	4.14	0.95	0.17	0.03	0.06
404794	1100	1425	239	<5	31	97	406	14	32	4	5	0.16	2.64	0.47	3.39	0.71	0.08	0.04	0.04
404669	1100	1475	218	<5	28	104	467	13	30	5	4	0.17	2.11	0.41	3.52	0.70	0.08	0.02	0.03
404670	1100	1500	269	<5	30	94	443	13	33	4	5	0.15	2.71	0.46	3.38	0.72	0.09	0.03	0.03
404671	1100	1500	248	<5	28	86	451	12	32	4	4	0.13	2.50	0.44	3.12	0.66	0.08	0.03	0.03
404672	1100	1525	272	<5	31	93	537	16	30	4	5	0.15	2.57	0.47	3.66	0.78	0.10	0.03	0.05
404673	1100	1575	217	<5	26	86	566	14	29	3	4	0.13	2.12	0.44	3.29	0.67	0.08	0.02	0.04
404675	1100	1625	254	<5	27	76	292	16	27	3	4	0.11	2.38	0.41	2.84	0.69	0.06	0.03	0.04
404792	1100	1675	326	<5	30	94	452	21	34	2	6	0.14	2.79	0.50	3.54	0.73	0.09	0.04	0.05
404791	1100	1725	260	<5	29	89	307	18	36	3	5	0.15	2.50	0.53	2.94	0.69	0.09	0.04	0.06
404679	1200	750	172	<5	20	63	313	16	25	3	3	0.09	1.75	0.33	2.34	0.39	0.04	0.03	0.04
404681	1200	800	228	<5	33	98	402	14	18	9	5	0.14	3.65	0.26	4.04	0.71	0.07	0.04	0.04
404683	1200	850	145	<5	25	86	401	12	29	4	4	0.12	2.12	0.49	3.44	0.65	0.08	0.02	0.03
404685	1200	900	379	<5	24	76	566	16	30	2	4	0.07	1.98	0.45	3.30	0.53	0.11	0.02	0.07
404689	1200	1000	227	<5	25	99	543	8	18	5	5	0.17	3.15	0.23	4.04	0.86	0.28	0.02	0.03
404690	1200	1000	214	<5	24	93	472	6	18	4	4	0.15	2.85	0.22	3.69	0.76	0.22	0.03	0.03
404692	1200	1050	281	<5	34	104	432	15	31	5	5	0.16	3.10	0.41	4.03	0.83	0.10	0.03	0.04
404694	1200	1100	206	<5	20	69	512	14	30	2	3	0.09	1.75	0.44	2.79	0.54	0.10	0.02	0.05
404696	1200	1150	256	<5	23	87	1389	17	32	3	5	0.15	2.16	0.56	3.47	0.69	0.13	0.03	0.06
404698	1200	1200	291	<5	22	78	977	22	35	2	4	0.14	2.29	0.56	3.23	0.77	0.15	0.03	0.07
404700	1200	1250	220	<5	23	77	659	16	27	2	4	0.12	2.01	0.42	3.03	0.62	0.08	0.03	0.05
404702	1200	1300	237	<5	20	80	635	19	30	2	4	0.13	1.97	0.50	3.25	0.67	0.12	0.03	0.06
404703	1200	1325	186	<5	17	58	586	16	25	2	2	0.09	1.36	0.37	2.21	0.40	0.08	0.03	0.05
404704	1200	1375	203	<5	23	75	332	17	29	3	3	0.11	1.90	0.44	2.85	0.57	0.08	0.03	0.05
404706	1200	1425	193	<5	27	84	517	13	29	3	4	0.13	2.23	0.46	3.22	0.69	0.06	0.03	0.05
404708	1200	1475	261	<5	29	91	689	19	40	3	5	0.14	2.51	0.61	3.53	0.74	0.09	0.03	0.06
404709	1200	1500	194	<5	27	86	485	12	30	3	4	0.13	2.22	0.46	3.14	0.69	0.06	0.03	0.06
404710	1200	1500	221	<5	30	93	556	14	34	3	5	0.14	2.51	0.51	3.41	0.75	0.07	0.03	0.06
404789	1200	1550	325	<5	36	103	506	19	44	4	6	0.16	3.19	0.61	3.80	0.81	0.09	0.04	0.07
404712	1200	1600	321	<5	32	91	1277	25	44	3	5	0.10	2.82	0.61	3.67	0.65	0.11	0.03	0.09
404788	1200	1675	329	<5	32	98	653	23	37	3	6	0.12	2.85	0.52	3.68	0.72	0.08	0.03	0.07
404787	1200	1725	293	<5	28	87	596	16	36	3	5	0.12	2.28	0.56	3.35	0.67	0.08	0.03	0.06

Appendix B. Analytical Results – Rocks

Rock Analyses

Sample Number	Grid East	Grid North	Au g/t	Ag g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
403966	560	680	0.16	3.7	3.8	7	1333	25	835
403967	700	815	20.27	150.7	0.2	39	22000	177	3346
403968	850	970	1.45	123.2	0.1	6	17435	8477	1249
403969	925	1130	0.10	1.8	1.2	3	122	27	90
403970	1225	1200	<0.03	<0.1	<0.1	3	12	13	22
403971	1045	1160	<0.03	<0.1	<0.1	4	11	16	180
403972	1045	1160	0.03	<0.1	<0.1	4	11	29	173
403973	1320	470	0.04	1.3	<0.1	3	8	24	146

Sample Number	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm
403966	18	<3	1	<10	0.1	1.4	1	6	32
403967	401	<3	<1	<10	51	18.9	1	3	45
403968	74	<3	<1	<10	39	0.2	1	3	59
403969	8	<3	1	<10	<2	<0.1	1	3	32
403970	0.01	<3	1	<10	<2	<0.1	2	2	66
403971	5	<3	1	<10	<2	<0.1	2	3	131
403972	0.01	<3	1	<10	<2	<0.1	4	5	169
403973	0.01	<3	1	<10	<2	0.0	4	3	131

Sample Number	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm
403966	<5	197	4	54	<2	1	<1	<1
403967	<5	207	4	55	<2	17	<1	<1
403968	12	232	5	50	<2	5	<1	<1
403969	<5	200	4	114	<2	1	1	<1
403970	<5	92	10	140	5	5	3	1
403971	<5	167	5	430	6	3	1	1
403972	<5	116	7	580	26	6	3	3
403973	<5	119	6	437	27	5	3	2

Sample Number	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
403966	<0.01	0.03	0.01	0.52	<0.01	0.01	0.01	<0.01
403967	<0.01	0.04	0.01	0.76	<0.01	0.02	0.01	<0.01
403968	<0.01	0.02	0.01	0.63	<0.01	0.01	0.01	<0.01
403969	0.01	0.06	0.01	0.38	0.01	0.02	0.02	<0.01
403970	0.02	0.33	0.07	0.62	0.08	0.14	0.06	0.01
403971	0.01	0.12	0.03	0.56	0.01	0.06	0.02	0.01
403972	0.01	0.27	0.11	1.59	0.02	0.14	0.03	0.04
403973	0.01	0.24	0.09	1.41	0.02	0.11	0.03	0.03

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Barramundi Gold WO# 05673

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403951	1.2	
r	403952	<1.0	
r	403953	248.5	247.9
r	403954	2.2	
r	403955	5.4	
r	403956	<1.0	
r	403957	<1.0	
r	403958	26.4	27.1
r	403959	9.2	
r	403960	1.8	
r	403961	1.4	
r	403962	1.7	
p	403963	10.0	10.0
r	403964	11.4	
r	403965	3.6	
r	→ 403966	3.7	
r	→ 403967	150.7	
r	→ 403968	123.2	

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Barramundi Gold WO# 05673

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403951	274.9	25.246	<0.03	<0.001	<0.05
r	403952	271.6	29.303	<0.03	<0.001	<0.05
r	403953	277.9	27.250	0.51	0.033	0.58
r	403954	274.5	14.410	<0.03	<0.001	<0.05
r	403955	278.3	26.541	0.17	0.001	0.16
r	403956	282.9	27.413	<0.03	<0.001	<0.05
r	403957	260.7	23.063	0.03	<0.001	<0.05
r	403958	270.6	27.717	0.10	<0.001	0.09
r	403959	270.6	27.692	0.21	0.002	0.19
r	403960	278.2	27.144	0.10	0.001	0.10
	Au assay std 2					1.85
r	403961	280.5	25.554	0.03	<0.001	<0.05
r	403962	276.6	27.513	0.10	0.001	0.10
p	403963					1.34
r	403964	270.7	28.368	9.43	19.598	80.85
r	403965	272.3	27.579	1.27	0.054	1.34
r	→ 403966	267.7	26.734	0.17	0.001	0.16
r	→ 403967	278.1	25.742	4.13	4.595	20.27
r	→ 403968	277.7	16.373	1.17	0.097	1.45
	Au assay std 2					1.95

Replicate assays (averaged for metallics calculations above):

403957	0.03
403957	0.03
403959	0.21
403959	0.21
403962	0.10
403962	0.14
403967	4.18
403967	4.08

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20/09/99 Certificate of Analysis

Barramundi Gold WO# 05696a

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403901	232.8	
r	403902	235.4	
r	403903	15.4	
r	403904	163.9	159.7
r	403905	6.0	
r	403906	2.6	
r	403907	169.0	
r	403908	5.4	
r	403909	33.3	
r	403910	1.1	1.1
r	403911	2.1	
r	403912	218.2	
r	403913	2.8	
r	403914	2.1	
r	403915	2.1	
r	403916	<1.0	<1.0
r	403917	5.5	
r	403918	<1.0	
r	403919	21.8	
r	403920	18.7	
	CR std	68.8	
r	403921	1.8	
r	403922	1.3	
r	403923	1.8	2.0
r	403924	8.5	
r	403925	1.9	
r	403926	<1.0	
r	→ 403969	1.8	
r	→ 403970	<1.0	<1.0
r	→ 403971	<1.0	

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Barramundi Gold WO# 05696a

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Sample #	Ag g/mt	rep Ag g/mt
→ 403972	<1.0	
→ 403973	1.3	
Geochem std	9.8	

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Barramundi Gold WO# 05696m

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403926	219.2	13.565	0.07	0.001	0.07
r	→ 403969	246.9	16.379	0.10	<0.001	0.10
r	→ 403970	281.7	11.090	<0.03	<0.001	<0.03
r	→ 403971	280.1	20.389	<0.03	<0.001	<0.03
r	→403972	244.5	16.772	0.03	<0.001	0.03
r	→403973	239.2	19.006	0.03	0.001	0.04
	Au assay std 2					2.13

Replicate assays (averaged above for metallics calculations):

403901	27.46
403901	24.21
403906	0.51
403906	0.55
403908	6.03
403908	5.21
403912	84.21
403912	86.68
403919	36.14
403919	36.69
rep 403919	18.03
rep 403919	18.86
403923	0.58
403923	0.51
403970	<0.03
403970	0.03