

85-804-14027

9/86

GEOCHEMICAL REPORT  
ON THE SHEEP CREEK SOUTH GROUP  
NELSON MINING DIVISION, B.C.

Latitude: 49°07'N  
Longitude: 117°09'W

NTS 82F-3E

Mineral Claims: Yellowstone, Vixen, Independence 1

Reverted Crown Grants: Independence, Independence Fr., Buster Fr.,  
Amco 35, Amco 36, Margaret, King #3, Lucky George, Amco 41 Fr.,  
Amco 40 Fr., Gold Crown Fr., Amco 16 Fr.,

Crown Grants: Twilight Fr., Happy Jean, Fraction #1 Fr., Fractional #2 Fr.,  
Peggy, Pat Fr., Success, Margaret Fr., Henry Fr., Alexandra,  
Placer Fr., Edward 7, Burlington Fr., Pat, Bullion, Bruhn #2,  
Vernon, Silver Tip Fr., Last Dollar Fr., Standard, Queen,  
Niagra, Lewiston, Struggle, Ore Hill #3, Ore Hill, Royal Ann Fr.,  
Dixie, Royal Ann #1, Royal Ann, Queen Ann #1, Queen Ann Fr.,

Owner/Operator: Goldrich Resources Inc.  
Vancouver, B.C.

Author: B. H. Meyer, P. Geol.

Date Submitted: October 23, 1985

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

14,027

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SUMMARY

The property is underlain by a succession of Lower Cambrian quartzitic, argillaceous, and calcareous sediments trending north-south, which are isoclinally folded and overturned. A series of auriferous pyrite-bearing quartz veins emplaced along northeast trending fissures are situated within the quartzitic members of the sediments. Northeast trending veins cutting limestone also contain galena-sphalerite mineralization. The property contains the underground workings of the former producing Sheep Creek gold mine, and the Sumit and Ore Hill mines.

Soil geochemistry has resulted in a significant gold-silver-lead-zinc anomaly situated at the western edge of the surveyed area. The anomaly is open to the south and west, and ties into a known anomaly of similar concentrations to the north. This zone reflects the location of mineralization present in the Ore Hill and Sumit mines.

A weak lead anomaly is situated near the base line at the south edge of the surveyed area. The zone appears to trend north-south near the quartzite-limestone contact.

A number of small weak lead anomalies are situated in the eastern part of the surveyed <sup>area</sup> near the headwaters of McArthur Creek. The area is underlain by quarzite.

Further exploratory work consisting of mapping and prospecting has been recommended for the area underlying the Independence 1 mineral claim. Mapping and sampling of the Ore Hill and Sumit mines plus the surrounding area, and in particular the headwaters of Bennett Creek, is also recommended.



## BRITISH COLUMBIA

## **MINING DIVISIONS**

## **Gold Commissioner's office—•**

## INDEX MAP

Figure 1

## SHEEP CREEK SOUTH GROUP

NELSON M.D. NTS 82F-3E

# GOLDRICH RESOURCES INC.

OCTOBER 1985

60 120

Scale  
0 60 120 180 240 300 kilometres

SHEEP GREEK  
SOUTH GROUP

This historical map of Western Canada, specifically the provinces of British Columbia and Alberta, illustrates the region's topography and early urban centers. The map is framed by latitude lines at 49°, 50°, and 52° N and longitude lines from 120° W to 110° W. Key features include:

- Rivers:** Fraser, Columbia, Kootenay, Bow, Red Deer, and many smaller tributaries like the Thompson, Okanagan, and Clearwater Rivers.
- Lakes:** Shuswap Lake, Okanagan Lake, and numerous smaller lakes such as Quesnel, Kamloops, and Revelstoke Lakes.
- Cities and Towns:** Victoria, Vancouver, Nanaimo, Port Alberni, Campbell River, Qualicum Beach, Courtenay, Comox, Powell River, Squamish, Pitt Meadows, New Westminster, Burnaby, Coquitlam, Port Coquitlam, Port Moody, North Vancouver, West Vancouver, Gibsons, Sechelt, Squamish, Harrison Hot Springs, Hope, Princeton, Merritt, Kamloops, Vernon, Kelowna, Penticton, Okanagan Falls, Sicamous, Grand Forks, Nelson, Cranbrook, Fort Steele, Kimberley, Kaslo, Slocan, New Denver, Fernie, Golden, Banff, Calgary, and many smaller settlements.
- Regions:** The map highlights the "WESTERN GROUP" in the lower-left and the "SHEEP GREEK SOUTH GROUP" in the upper-right.

117010.-

## CLAIM LOCATION MAP

Scale 1:50000

A horizontal number line starting at 1 and ending at 2. There are tick marks at 1 and 2, and between them at .5. The distance between 1 and .5 is labeled as 1.

kilometers

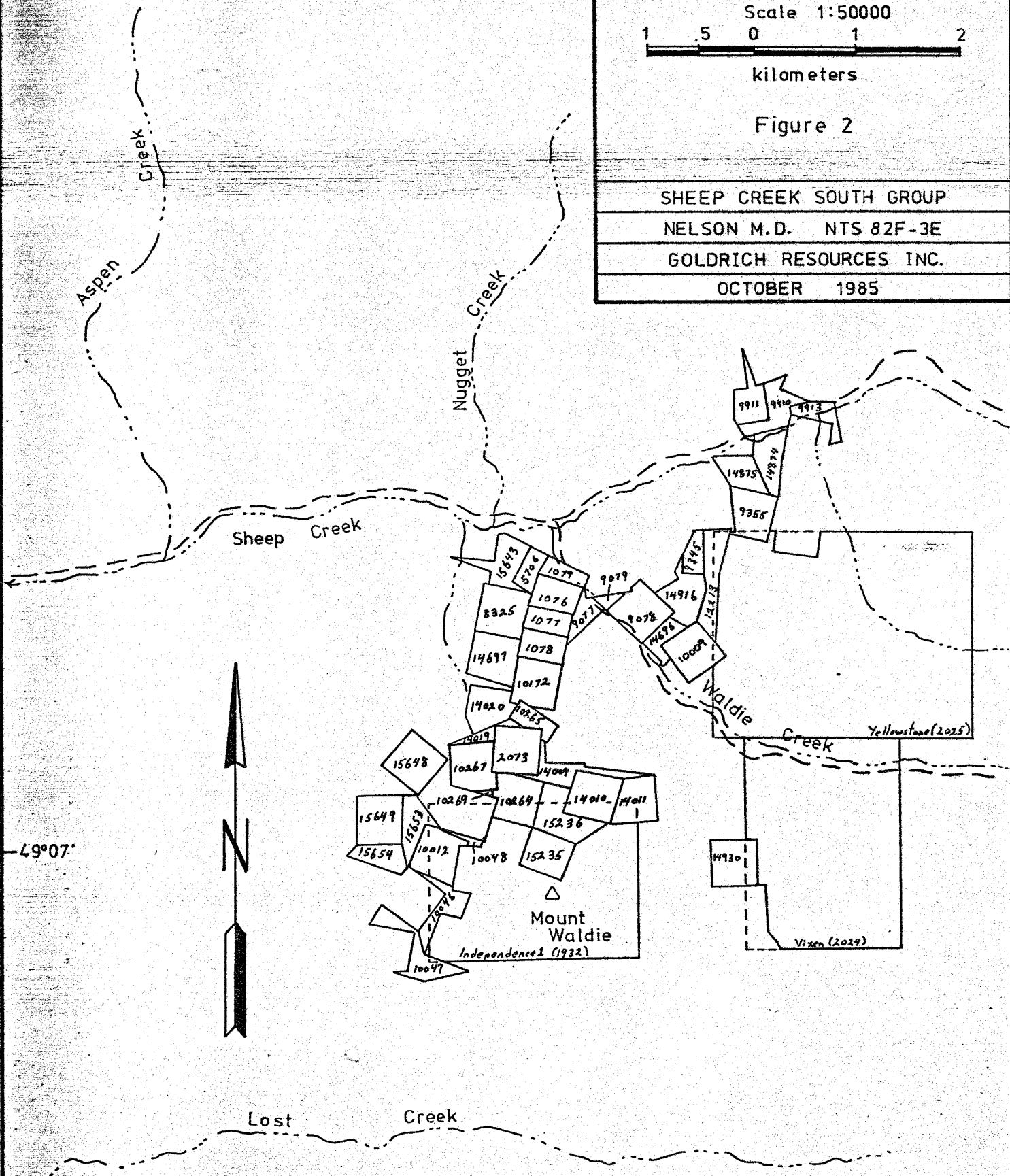
Figure 2

## SHEEP CREEK SOUTH GROUP

NELSON M.D. NTS 82F-3E

## GOLDRICH RESOURCES INC.

OCTOBER 1985



#### INTRODUCTION

An exploration program was conducted in the fall of 1985 in the vicinity of the former gold producing Sheep Creek and Ore Hill mines of the Sheep Creek gold camp. The program consisted of geochemical soil sampling along compassed and chained grid lines.

#### Location and Access (Latitude 49°07'N Longitude 117°09'W)

The property is situated in the Nelson Range of the Selkirk Mountains, 12 kilometers southeast of the town of Salmo. It occupies the top of Mount Waldie, extending north to Waldie Creek valley. Access from Salmo is along the old part of Hwy #3, 6 kilometers south to the mouth of Sheep Creek. The property, which 9 kilometers east, near the junction of Sheep and Waldie Creeks, can be reached by a good 2-wheel drive gravel road. A 4-wheel drive road connecting the Ore Hill mine, near the top of Mount Waldie, with the Sheep Creek mine below, is washed out and inaccessible. The property is approximately 55 road kilometers east of Trail.

Most of the property is situated on the steep north slope of Mount Waldie, with the vertical elevation increasing from 3200 feet(975 m.) to 7300 feet(2225 m.) elevation at the summit. At lower elevations, a thick cover of glacial drift is common, with few bedrock exposures. Near the summit, much of the area is covered by talus slopes and numerous small rock cliffs. Vegetation consists of a mature cedar, hemlock, and spruce forest which grades into scattered dwarf trees near Mount Waldie summit. The climate is cool temperate, with an average annual precipitation of 60 to 100 centimeters. There is a heavy accumulation of snow in the winter months.

#### Property and Ownership

The Sheep Creek South Group consists of the following mineral claims, reverted crown grants and crown grants, all of which are 100 percent owned by Goldrich Resources Inc. of Vancouver, B.C. Besides owning the mineral rights on the crown grants, Goldrich also owns the surface rights of the Queen and Burlington Fraction crown grants.

Property and Ownership Cont'd

| <u>Crown Grant</u> | <u>Lot Number</u> | <u>Hectares</u> |
|--------------------|-------------------|-----------------|
| Twilight Fr.       | 9910              | 13.66           |
| Happy Jean         | 9911              | 11.87           |
| Fraction #1 Fr.    | 14874             | 16.10           |
| Fractional #2 Fr.  | 14875             | 15.23           |
| Peggy              | 9355              | 18.13           |
| Pat Fr.            | 12213             | 15.67           |
| Success            | 10009             | 20.90           |
| Margaret Fr.       | 14696             | 7.55            |
| Henry Fr.          | 14916             | 15.30           |
| Alexandra          | 9078              | 20.79           |
| Placer Fr.         | 9079              | 3.13            |
| Edward 7           | 9077              | 7.37            |
| Burlington Fr.     | 1079              | 6.27            |
| Pat                | 5706              | 7.85            |
| Bullion            | 8325              | 20.53           |
| Bruhn #2           | 14697             | 20.70           |
| Vernon             | 14020             | 15.63           |
| Silver Tip Fr.     | 14019             | 4.51            |
| Last Dollar Fr.    | 10269             | 0.25            |
| Standard           | 10267             | 18.63           |
| Queen              | 1076              | 13.94           |
| Niagra             | 1077              | 10.02           |
| Lewiston           | 1078              | 12.58           |
| Struggle           | 10172             | 20.25           |
| Ore Hill #3        | 10265             | 8.70            |
| Ore Hill           | 2073              | 20.90           |
| Royal Ann Fr.      | 14009             | 12.47           |
| Dixie              | 10264             | 18.45           |
| Royal Ann #1       | 14011             | 16.75           |
| Royal Ann          | 14010             | 20.90           |
| Queen Ann #1       | 15235             | 17.38           |
| Queen Ann Fr.      | 15236             | 20.86           |

| <u>Reverted Crown Grant</u> | <u>Lot Number</u> | <u>Record Number</u> | <u>Hectares</u> | <u>Expiry Date</u> |
|-----------------------------|-------------------|----------------------|-----------------|--------------------|
| Independence                | 10012             | 1761                 | 19.00           | June 19, 1987      |

Property and Ownership Cont'd

| <u>Reverted Crown Grant</u> | <u>Lot Number</u> | <u>Record Number</u> | <u>Hectares</u> | <u>Expiry Date</u> |
|-----------------------------|-------------------|----------------------|-----------------|--------------------|
| Independence Fr.            | 10048             | 1761                 | 1.98            | June 19, 1987      |
| Buster Fr.                  | 10046             | 1767                 | 11.64           | "                  |
| Amco 35                     | 15648             | 2205                 | 20.90           | Mar. 13, 1987      |
| Amco 36                     | 15649             | 2204                 | 20.90           | Mar. 10, 1987      |
| Margaret                    | 9913              | 1922                 | 9.06            | Aug. 27, 1988      |
| King #3                     | 14930             | 2593                 | 20.90           | Feb. 17, 1987      |
| Lucky George                | 9345              | 2592                 | 6.77            | Feb. 15, 1988      |
| Amco 41 Fr.                 | 15654             | 3388                 | 11.28           | Aug. 23, 1987      |
| Amco 40 Fr.                 | 15653             | 3388                 | 12.15           | "                  |
| Gold Crown Fr.              | 10047             | 3389                 | 15.68           | "                  |
| Amco 16 Fr.                 | 15643             | 1781                 | 14.79           | June 24, 1987      |

| <u>Located Mineral Claim</u> | <u>Record Number</u> | <u>Hectares</u> | <u>Expiry Date</u> |
|------------------------------|----------------------|-----------------|--------------------|
| Yellowstone (20 units)       | 2025                 | 500             | Nov. 20, 1986      |
| Vixen (12 units)             | 2024                 | 300             | "                  |
| Independence 1 (12 units)    | 1932                 | 300             | Sept 25, 1986      |

History

Gold mineralization was first discovered in the Sheep Creek gold camp in 1896 in the Yellowstone and Queen veins. In 1901, the Ore Hill and Sumit showings were discovered. By 1912, all the important producing veins known to date had been found, including the Kootenay Belle and Reno veins. A number of mines operated in the area until 1916, when rising costs resulted in temporary closures.

An increase in gold prices in 1932 resulted in a resurgence of mining activity in the area, and in the installation of milling operations at the Reno, Motherlode, Kootenay Belle and Sheep Creek mines. Mining activity continued in the Sheep Creek camp until the early 1940's when rising costs and the outbreak of war resulted in mine closures.

Production figures for individual mines situated within the Sheep Creek South Group are presented below. These figures are taken from Mathews(1953) and represent company estimates of tonnages and average grade of ore extracted from veins.

History Cont'd

|                  | Ore(tons) | Gold(ozs) | Silver(ozs) | Lead(lbs) | Zinc(lbs) |
|------------------|-----------|-----------|-------------|-----------|-----------|
| Sheep Creek Mine | 719,320   | 303,711   | 100,182     | -----     | -----     |
| Ore Hill Mine    | 3,669     | 2,849     | 5,415       | 186,940   | 166,784   |
| Sumit Mine       | 1,205     | 870       | 1,218       | 30,264    | 28,634    |

A 1970 report written by F. Thompson for J.A.C. Ross and Associates Ltd. (then owner of the Sheep Creek Mine claims), stated that an estimated 59,586 tons of proven and probable ore reserves grading 0.285 oz/ton gold exists within the Sheep Creek Mine workings.

A dewatering and mine rehabilitation program was carried out by Goldbelt Mines Inc. in 1980 at the Sheep Creek Mine. C. Sampson concluded in a report that further mine rehabilitation still necessary could not be justified at the time due to the high costs involved.

A geochemical and geological exploration program was carried out in 1983 by Springlake Resources Ltd. A continuation of the geochemical soil survey was recommended at this time, as there was a positive correlation of gold, silver, lead and zinc values to known mineral occurrences.

Present Activity

A total of 4 days was spent conducting a geochemical exploration program on the property between September 3 and September 10, 1985. A 3-man fly camp was established near the old Ore Hill mine, with access provided by helicopter. Due to an early snowstorm, two trips into the property were necessary.

A reference grid was established, and consists of a partially cut base line, which is an extension of the base line established in 1983 by Springlake Resources. The base line starts at 5800 feet (1770 m.) elevation near the north edge of the Dixie crown grant, and extends south at 188° azimuth (subparallel to regional structural trend) for a chained length of 450 meters, ending near the south edge of Dixie 5750 feet (1750 m.) elevation. Flagged tie lines are situated normal to the base line at 90 meter intervals, and are chained to 30 meter station intervals. Tie lines range from 480 to 1530 meters length.

Present Activity Cont'd

A total of 9.2 line kilometers was established(flagged).

Geochemical soil sampling was conducted over the grid area at 30 meter station intervals. A total of 317 samples were collected.

The purpose of the program was to explore, by geochemical means, the southern part of the property, for possible mineralized veins associated with either the limestone hosted veins of the Ore Hill and Sumit mines, or the quartzite hosted veins of the Sheep Creek mine.

GEOLOGY

The Sheep Creek South Group is situated within the Kootenay Arc structural province, which is a belt of highly deformed volcanic and sedimentary rock extending from the Revelstoke area southwards along Kootenay Lake, and southwest into the United States. The suite of rocks within this belt represent a miogeosynclinal environment.

Locally, the claim area is underlain by Lower Cambrian quartzites of the Quartz Range Formation, which overlie Windermerean(?) sediments of the Three Sisters Formation. The Quartzite Range Formation comprises the lower Nugget Member, which consists of white quartzite, and the upper Navada Member, consisting of white to brownish-grey quartzite with argillaceous interbeds.

The Reno Formation conformably overlies the Quartzite Range Formation. It consists of brownish-grey argillaceous quartzite commonly with thin argillite interbeds.

The uppermost sedimentary unit is the Lower Cambrian Laib Group, which consists of alternating members of limestone and calcareous argillite. Occasionally, the argillite is schistose.

A quartz porphyry dyke trending north-south intrudes the sediments subparallel to bedding. This unit post-dates northeast-southwest trending faults.

Geology Cont'd

Structurally, the sediments are folded into a north-south trending isoclinal syncline with isoclinal anticlines overturned to the west, situated both east and west.

A series of ten gold-bearing quartz veins trending northeast-southwest and dipping steeply south constitute the economic significance of the Sheep Creek mine. These veins extend up to 1,000 meters in length. Mineralization consists of auriferous pyrite within veins cutting competent quartzite(Nugget and Nevada members), and galena-sphalerite-pyrite in veins cutting limestone(Ore Hill and Sumit mines). Vein width is generally less than 1.2 meters.

The mineralized veins may be offset by north trending normal faults dipping east. A flat-lying post-vein fault is thought to be responsible for a 60 meter displacement in the Ore Hill mine.

GEOCHEMISTRY

A total of 317 soil samples were collected at 30 meter intervals along 8 tie lines spaced 90 meters apart. Tie lines are numbered 18+00S, 18+90S, and so on to 24+30S. Figure 3 shows sample locations with gold and lead values plotted, using a 1:5000 scale map.

All soil samples were analyzed by Vangeochem Lab Ltd. of Vancouver, B.C. for multi-element abundances. The detection method used was a hot acid extraction and ICAP(induction couple argon plasma) emission spectrometry with values recorded in parts per million or percentage. The gold detection method was by atomic absorption spectrometry, with values recorded in parts per billion. The particle size fraction used for analysis was minus 80 mesh.

The area sampled consists of a thick layer of overburden within creek valleys, and a thin layer on mountain slopes and ridges, where bedrock exposure is abundant and talus slopes common. Samples were collected from the B Horizon at a depth of approximately 18 centimeters. Occasionally, a combination of A and C Horizons have been sampled where

Geochemistry Cont'd

only a thin immature soil layer exists.

The geochemistry map shows gold concentrations in parts per billion with anomalous values being 30 ppb and greater. This threshold value was chosen arbitrarily and coincides with that used by Springlake Resources in their 1983 exploration program. Lead values are plotted in parts per million, with anomalous concentrations arbitrarily chosen to be 65 ppm and greater. This too is the same threshold value used by Springlake. Anomalous silver and zinc concentrations are associated with those of gold and lead, and have not been plotted on the map.

A significant gold-silver-lead-zinc anomaly situated between lines 20+70S and 23+40S at the western edge of the grid is open to the south and west, and ties into a predetermined anomaly to the north. This zone reflects the probable position of the Ore Hill and Sumit workings, although the area has not been mapped in detail yet. The highest gold value in this zone is 500 ppb. This zone is situated within the Laib Group limestone, which is a favorable host rock for argentiferous galena-sphalerite-auriferous pyrite mineralization within fissures.

A weak lead anomaly is situated on lines 23+40S to 24+30S just east of the base line, and is open to the south. The zone has a width of approximately 30 meters and appears to trend north-south. Geologically it is situated near the Reno(quartzite) and Laib(limestone) contact on the east limb of the syncline. Silver and zinc values are low.

A number of small weak lead anomalies are situated within the eastern part of the grid near the headwaters of McArthur Creek. Occasionally, weak anomalous silver values are associated. This area is underlain by the Quartzite Range Formation.

Other anomalies present within the sampled area are weak and scattered.

CONCLUSIONS AND RECOMMENDATIONS

The anomalous area near the Ore Hill and Sumit mines remains open to

Conclusions and Recommendations Cont'd

the southwest. Both underground and surface mapping and sampling should be carried out in this area. Also, geochemical soil sampling near the headwaters of Bennett Creek, which is southwest of the Ore Hill mine, should be conducted. The presence of near surface mineralized veins within the Laib Limestone should be detectable by this method.

The lead anomalies near the base line and within the eastern part of the grid area are scattered and generally weak. The presence of minor scattered galena mineralization within veins in these areas would explain these anomalies. Prospecting and mapping of veins, with an emphasis on northeast-southwest trending fissures should be carried out in this area.

Prospecting and reconnaissance mapping of the Independence 1 mineral claim should be conducted, as Thompson reports that northeast trending veins are present on both the north and south slopes of Mount Waldie.

BIBLIOGRAPHY

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A P P E N D I C E S



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REPORT NUMBER: 85-35-008

JOB NUMBER: 85405

GOLDRICH RESOURCES INC.

PAGE 1 OF 9

| SAMPLE #      | Au  |
|---------------|-----|
|               | ppb |
| 18+00S 5+40E  | 20  |
| 18+00S 5+70E  | 20  |
| 18+00S 6+30E  | 20  |
| 18+00S 6+30E  | 20  |
| 18+00S 6+60E  | 5   |
| 18+00S 6+90E  | 10  |
| 18+00S 7+20E  | 5   |
| 18+00S 7+50E  | 10  |
| 18+00S 7+80E  | nd  |
| 18+00S 8+10E  | nd  |
| 18+00S 8+40E  | 20  |
| 18+00S 8+70E  | nd  |
| 18+00S 9+00E  | nd  |
| 18+00S 9+30E  | 5   |
| 18+00S 9+60E  | nd  |
| 18+00S 9+90E  | 5   |
| 18+00S 10+20E | 5   |
| 18+90S 5+40E  | 10  |
| 18+90S 5+70E  | 10  |
| 18+90S 6+00E  | 10  |
| 18+90S 6+30E  | 15  |
| 18+90S 6+60E  | 10  |
| 18+90S 6+90E  | nd  |
| 18+90S 7+20E  | 5   |
| 18+90S 7+50E  | 15  |
| 18+90S 7+80E  | 10  |
| 18+90S 8+10E  | 15  |
| 18+90S 8+40E  | 5   |
| 18+90S 8+70E  | 5   |
| 18+90S 9+00E  | 5   |
| 18+90S 9+30E  | 10  |
| 18+90S 9+60E  | 10  |
| 18+90S 9+90E  | nd  |
| 18+90S 10+20E | nd  |
| 19+80S BL     | 10  |
| 19+80S 0+30E  | 5   |
| 19+80S 0+60E  | 20  |
| 19+80S 0+90E  | 10  |
| 19+80S 1+20E  | nd  |

DETECTION LIMIT 5

nd = none detected — = not analysed is = insufficient sample



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PAGE 2 OF 9

| SAMPLE #      | Au |
|---------------|----|
|               | nd |
| 19+80S 1+50E  | 5  |
| 19+80S 1+80E  | 10 |
| 19+80S 2+10E  | 15 |
| 19+80S 2+40E  | 10 |
| 19+80S 2+70E  | nd |
| 19+80S 3+00E  | 5  |
| 19+80S 3+30E  | 10 |
| 19+80S 3+60E  | 10 |
| 19+80S 3+90E  | nd |
| 19+80S 4+20E  | nd |
| 19+80S 4+50E  | nd |
| 19+80S 4+80E  | 20 |
| 19+80S 5+10E  | 30 |
| 19+80S 5+40E  | nd |
| 19+80S 5+70E  | nd |
| 19+80S 6+00E  | 5  |
| 19+80S 6+30E  | 5  |
| 19+80S 6+60E  | nd |
| 19+80S 6+90E  | 10 |
| 19+80S 7+20E  | 5  |
| 19+80S 7+50E  | 5  |
| 19+80S 7+80E  | 5  |
| 19+80S 8+10E  | 20 |
| 19+80S 8+40E  | 10 |
| 19+80S 8+70E  | 5  |
| 19+80S 9+00E  | nd |
| 19+80S 9+30E  | nd |
| 19+80S 9+60E  | nd |
| 19+80S 9+90E  | nd |
| 19+80S 10+20E | 20 |
| 20+70S BL     | 10 |
| 20+70S 0+30E  | 5  |
| 20+70S 0+60E  | nd |
| 20+70S 0+90E  | 10 |
| 20+70S 1+20E  | 10 |
| 20+70S 1+50E  | nd |
| 20+70S 1+80E  | 10 |
| 20+70S 2+10E  | 10 |
| 20+70S 2+40E  | nd |

DETECTION LIMIT 5

nd = none detected      -- = not analysed      is = insufficient sample



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PAGE 3 OF 9

|               |    |
|---------------|----|
| SAMPLE #      | Au |
|               | nd |
| 20+70S 2+70E  | nd |
| 20+70S 3+00E  | nd |
| 20+70S 3+30E  | 18 |
| 20+70S 3+50E  | 15 |
| 20+70S 3+90E  | 10 |
| 20+70S 4+20E  | 5  |
| 20+70S 4+50E  | 5  |
| 20+70S 4+80E  | 5  |
| 20+70S 5+10E  | 5  |
| 20+70S 5+40E  | 10 |
| 20+70S 5+70E  | 10 |
| 20+70S 6+00E  | 10 |
| 20+70S 6+30E  | 10 |
| 20+70S 6+60E  | 5  |
| 20+70S 6+90E  | 5  |
| 20+70S 7+20E  | 10 |
| 20+70S 7+50E  | 5  |
| 20+70S 7+80E  | 5  |
| 20+70S 8+10E  | nd |
| 20+70S 8+40E  | nd |
| 20+70S 8+70E  | nd |
| 20+70S 9+00E  | nd |
| 20+70S 9+30E  | nd |
| 20+70S 9+60E  | nd |
| 20+70S 9+90E  | nd |
| 20+70S 10+20E | nd |
| 20+70S 0+30W  | nd |
| 20+70S 0+60W  | nd |
| 20+70S 0+90W  | 5  |
| 20+70S 1+20W  | nd |
| 20+70S 1+50W  | 5  |
| 20+70S 1+80W  | 5  |
| 20+70S 2+10W  | nd |
| 20+70S 2+40W  | nd |
| 20+70S 2+70W  | 5  |
| 20+70S 3+00W  | 10 |
| 20+70S 3+30W  | 5  |
| 20+70S 3+60W  | 5  |
| 20+70S 3+90W  | 10 |

DETECTION LIMIT 5

nd = none detected --- = not analysed is = insufficient sample



# VANGEOCHEM LAB LIMITED

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1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 85-35-008

JOB NUMBER: 85485

GOLDRICH RESOURCES INC.

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| SAMPLE #     | Au  |
|--------------|-----|
|              | ppb |
| 20+70S 4+20W | 20  |
| 23+70S 4+50W | 5   |
| 20+70S 4+60W | 40  |
| 20+70S 5+10W | 500 |
| 21+60S BL    | nd  |
| 21+60S 0+30E | 5   |
| 21+60S 0+60E | nd  |
| 21+60S 0+90E | 20  |
| 21+60S 1+20E | 5   |
| 21+60S 1+50E | nd  |
| 21+60S 1+80E | 5   |
| 21+60S 2+10E | 5   |
| 21+60S 2+40E | nd  |
| 21+60S 2+70E | nd  |
| 21+60S 3+00E | nd  |
| 21+60S 3+30E | nd  |
| 21+60S 3+60E | nd  |
| 21+60S 3+90E | nd  |
| 21+60S 4+20E | nd  |
| 21+60S 4+50E | nd  |
| 21+60S 4+80E | 5   |
| 21+60S 5+10E | 10  |
| 21+60S 5+40E | nd  |
| 21+60S 5+70E | 5   |
| 21+60S 6+00E | 5   |
| 21+60S 6+30E | nd  |
| 21+60S 6+60E | nd  |
| 21+60S 6+90E | nd  |
| 21+60S 7+20E | 5   |
| 21+60S 7+50E | 10  |
| 21+60S 7+80E | nd  |
| 21+60S 8+10E | 5   |
| 21+60S 8+40E | 20  |
| 21+60S 8+70E | nd  |
| 21+60S 9+00E | nd  |
| 21+60S 9+30E | 10  |
| 21+60S 9+60E | 5   |
| 21+60S 9+90E | nd  |
| 21+60S 0+30W | nd  |

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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JOB NUMBER: 85405

GOLDRICH RESOURCES INC.

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| SAMPLE #     | Au |
|--------------|----|
| 21+60S 0+60W | nd |
| 21+60S 0+90W | nd |
| 21+60S 1+20W | nd |
| 21+60S 1+50W | 12 |
| 21+60S 1+80W | 10 |
| 21+60S 2+10W | nd |
| 21+60S 2+40W | nd |
| 21+60S 2+70W | nd |
| 21+60S 3+80W | 30 |
| 21+60S 3+30W | 15 |
| 21+60S 3+60W | nd |
| 21+60S 3+90W | 10 |
| 21+60S 4+20W | 20 |
| 21+60S 4+50W | nd |
| 21+60S 4+80W | 10 |
| 21+60S 5+10W | 10 |
| 22+50S BL    | nd |
| 22+50S 0+30E | 5  |
| 22+50S 0+60E | nd |
| 22+50S 0+90E | nd |
| 22+50S 1+20E | 10 |
| 22+50S 1+50E | 5  |
| 22+50S 1+80E | 5  |
| 22+50S 2+10E | 10 |
| 22+50S 2+40E | 5  |
| 22+50S 2+70E | nd |
| 22+50S 3+00E | nd |
| 22+50S 3+30E | nd |
| 22+50S 3+60E | 5  |
| 22+50S 3+90E | 5  |
| 22+50S 4+20E | 5  |
| 22+50S 4+50E | 10 |
| 22+50S 4+80E | 5  |
| 22+50S 5+10E | nd |
| 22+50S 5+40E | nd |
| 22+50S 5+70E | 5  |
| 22+50S 6+00E | 10 |
| 22+50S 6+30E | 5  |
| 22+50S 6+60E | 5  |

DETECTION LIMIT 5

nd = none detected — = not analysed is = insufficient sample



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GOLDRICH RESOURCES INC.

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| SAMPLE #     | Au<br>ppb |
|--------------|-----------|
| 22+50S 6+90E | nd        |
| 22+50S 7+20E | 10        |
| 22+50S 7+50E | 5         |
| 22+50S 7+80E | 5         |
| 22+50S 8+10E | 5         |
| 22+50S 8+40E | 5         |
| 22+50S 8+70E | 10        |
| 22+50S 9+00E | 10        |
| 22+50S 9+30E | 5         |
| 22+50S 9+60E | nd        |
| 22+50S 9+90E | nd        |
| 22+50S 0+30W | 10        |
| 22+50S 0+60W | 10        |
| 22+50S 0+90W | 5         |
| 22+50S 1+20W | nd        |
| 22+50S 1+50W | 10        |
| 22+50S 1+80W | 20        |
| 22+50S 2+10W | nd        |
| 22+50S 2+40W | 5         |
| 22+50S 2+70W | 10        |
| 22+50S 3+00W | nd        |
| 22+50S 3+30W | nd        |
| 22+50S 3+60W | nd        |
| 22+50S 3+90W | nd        |
| 22+50S 4+20W | nd        |
| 22+50S 4+50W | 15        |
| 22+50S 4+80W | nd        |
| 22+50S 5+10W | nd        |
| 23+40S BL    | nd        |
| 23+40S 0+30E | nd        |
| 23+40S 0+60E | nd        |
| 23+40S 0+90E | 10        |
| 23+40S 1+20E | nd        |
| 23+40S 1+50E | 10        |
| 23+40S 1+80E | nd        |
| 23+40S 2+10E | 10        |
| 23+40S 2+40E | 10        |
| 23+40S 2+70E | 10        |
| 23+40S 3+00E | 5         |

DETECTION LIMIT 5

nd = none detected --- = not analysed is = insufficient sample



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GOLDRICH RESOURCES INC.

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| SAMPLE #     | Au  |
|--------------|-----|
|              | ppb |
| 23+40S 3+30E | 5   |
| 23+40S 3+60E | 10  |
| 23+40S 3+90E | 10  |
| 23+40S 4+20E | nd  |
| 23+40S 4+50E | 10  |
| 23+40S 4+80E | nd  |
| 23+40S 5+10E | 5   |
| 23+40S 5+40E | 10  |
| 23+40S 5+70E | 5   |
| 23+40S 6+00E | 5   |
| 23+40S 6+30E | 5   |
| 23+40S 6+60E | 20  |
| 23+40S 6+90E | nd  |
| 23+40S 7+20E | 5   |
| 23+40S 7+50E | nd  |
| 23+40S 7+80E | nd  |
| 23+40S 8+10E | nd  |
| 23+40S 8+40E | 10  |
| 23+40S 8+70E | 5   |
| 23+40S 9+00E | nd  |
| 23+40S 9+30E | nd  |
| 23+40S 0+30W | nd  |
| 23+40S 0+60W | 10  |
| 23+40S 0+90W | 10  |
| 23+40S 1+20W | 10  |
| 23+40S 1+50W | 15  |
| 23+40S 1+80W | nd  |
| 23+40S 2+10W | 10  |
| 23+40S 2+40W | 10  |
| 23+40S 2+70W | 10  |
| 23+40S 3+00W | 10  |
| 23+40S 3+30W | 5   |
| 23+40S 3+60W | nd  |
| 23+40S 3+90W | 20  |
| 23+40S 4+20W | nd  |
| 23+40S 4+50W | 10  |
| 23+40S 4+80W | 10  |
| 23+40S 5+10W | 20  |
| 24+30S BL    | nd  |

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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| SAMPLE #     | Au  |
|--------------|-----|
|              | ppb |
| 24+30S 0+30E | nd  |
| 24+30S 0+50E | 5   |
| 24+30S 0+90E | nd  |
| 24+30S 1+20E | nd  |
| 24+30S 1+50E | nd  |
| 24+30S 1+80E | nd  |
| 24+30S 2+10E | nd  |
| 24+30S 2+40E | nd  |
| 24+30S 2+70E | 5   |
| 24+30S 3+00E | nd  |
| 24+30S 3+30E | 10  |
| 24+30S 3+50E | nd  |
| 24+30S 3+90E | nd  |
| 24+30S 4+20E | nd  |
| 24+30S 4+50E | nd  |
| 24+30S 4+80E | 5   |
| 24+30S 5+10E | nd  |
| 24+30S 5+40E | nd  |
| 24+30S 5+70E | nd  |
| 24+30S 6+00E | nd  |
| 24+30S 6+30E | 10  |
| 24+30S 6+50E | 10  |
| 24+30S 6+90E | 5   |
| 24+30S 7+20E | nd  |
| 24+30S 7+50E | 10  |
| 24+30S 7+80E | nd  |
| 24+30S 8+10E | nd  |
| 24+30S 8+40E | nd  |
| 24+30S 8+70E | nd  |
| 24+30S 9+00E | 10  |
| 24+30S 0+30W | nd  |
| 24+30S 0+50W | 10  |
| 24+30S 0+90W | nd  |
| 24+30S 1+20W | nd  |
| 24+30S 1+50W | nd  |
| 24+30S 1+80W | nd  |
| 24+30S 2+10W | nd  |
| 24+30S 2+40W | nd  |
| 24+30S 2+70W | 10  |

DETECTION LIMIT 5

nd = none detected --- = not analysed is = insufficient sample



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SAMPLE #

Au

pb

24+30S 3+00W

nd

24+30S 3+30W

nd

24+30S 3+60W

nd

24+30S 3+90W

nd

24+30S 4+20W

5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample

**VANGEOCHEM LAB LIMITED**

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH: (604) 986-5211 TELEX: 04-352578  
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604) 251-5656

**ICAP GEOCHEMICAL ANALYSIS**

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO<sub>3</sub> TO H<sub>2</sub>O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FDR SN,MN,FE,CA,P,CR,MG,Ba,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: GOLDRICH RESOURCES LTD.

REPORT #: 85-35-008

DATE RECEIVED: 85/09/16

ATTENTION: MR. BILL DAY

JOB #: 85405

DATE COMPLETED: 85/09/20

PROJECT: SHEEP CREEK SOUTH

INVOICE #: 8986

COPY SENT TO: GEOSPHERE SERVICES LTD.

ANALYST *W. Reeves*

PAGE 1 OF 8

| SAMPLE NAME   | AG<br>PPM | AL<br>% | AS<br>PPM | AU<br>PPM | BA<br>PPM | BI<br>PPM | CA<br>PPM | CD<br>PPM | CO<br>PPM | CR<br>PPM | CU<br>PPM | FE<br>% | K<br>% | Mg<br>% | Mn<br>PPM | Mo<br>PPM | Na<br>PPM | Ni<br>PPM | P<br>% | PB<br>PPM | PD<br>PPM | PT<br>PPM | SB<br>PPM | SN<br>PPM | SR<br>PPM | U<br>PPM | W<br>PPM | Zn<br>PPM |
|---------------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|--------|---------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| 18+005 5+40E  | .1        | 2.37    | ND        | ND        | 77        | ND        | .02       | .1        | 12        | 15        | 26        | 2.56    | .06    | .25     | 586       | 1         | .04       | 16        | .06    | 24        | ND        | ND        | ND        | ND        | 9         | ND       | ND       | 56        |
| 18+005 5+70E  | .2        | .76     | 5         | ND        | 72        | ND        | .06       | .1        | 5         | 11        | 12        | 2.23    | .05    | .12     | 917       | ND        | .03       | 7         | .05    | 22        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 35        |
| 18+005 6+00E  | .2        | 3.24    | ND        | ND        | 146       | ND        | .09       | .4        | 8         | 13        | 14        | 2.81    | .05    | .20     | 488       | 1         | .08       | 15        | .09    | 16        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 108       |
| 18+005 6+30E  | .4        | 1.94    | ND        | ND        | 71        | ND        | .02       | .1        | 4         | 11        | 13        | 2.32    | .05    | .09     | 121       | 1         | .04       | 7         | .02    | 20        | ND        | ND        | ND        | 1         | 4         | ND       | ND       | 39        |
| 18+005 6+60E  | .3        | 3.29    | ND        | ND        | 63        | ND        | .05       | .2        | 4         | 12        | 11        | 2.76    | .05    | .10     | 202       | 1         | .05       | 6         | .05    | 23        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 41        |
| 18+005 6+90E  | .1        | 1.04    | ND        | ND        | 91        | ND        | .05       | .2        | 9         | 13        | 31        | 2.11    | .05    | .12     | 2455      | 1         | .03       | 8         | .07    | 26        | ND        | ND        | ND        | ND        | 8         | ND       | ND       | 43        |
| 18+005 7+20E  | .1        | 1.83    | ND        | ND        | 68        | ND        | .03       | .2        | 10        | 13        | 26        | 2.36    | .06    | .20     | 1273      | 1         | .04       | 12        | .13    | 17        | ND        | ND        | ND        | ND        | 10        | ND       | ND       | 54        |
| 18+005 7+50E  | .5        | 1.05    | 7         | ND        | 42        | ND        | .03       | .3        | 4         | 9         | 9         | 2.39    | .05    | .07     | 91        | 1         | .03       | 4         | .03    | 32        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 22        |
| 18+005 7+80E  | .3        | .91     | 6         | ND        | 36        | ND        | .04       | .2        | 4         | 13        | B         | 2.23    | .06    | .20     | 109       | 1         | .03       | 8         | .04    | 25        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 31        |
| 18+005 8+10E  | .2        | .94     | ND        | ND        | 43        | ND        | .04       | .4        | 5         | 18        | 10        | 2.07    | .06    | .32     | 147       | 1         | .03       | 13        | .02    | 19        | ND        | ND        | ND        | ND        | 5         | ND       | ND       | 29        |
| 18+005 8+40E  | .4        | 1.18    | 6         | ND        | 42        | ND        | .04       | 1.0       | 5         | 19        | 13        | 3.72    | .07    | .22     | 164       | 1         | .08       | 8         | .05    | 26        | ND        | ND        | 3         | 1         | 5         | ND       | ND       | 33        |
| 18+005 8+70E  | .4        | 4.61    | ND        | ND        | 37        | ND        | .03       | .4        | 4         | 18        | 29        | 3.50    | .06    | .15     | 62        | 1         | .07       | 7         | .04    | 20        | ND        | ND        | ND        | 1         | 4         | ND       | ND       | 16        |
| 18+005 9+00E  | .4        | .86     | 6         | ND        | 31        | ND        | .02       | .3        | 4         | 16        | 16        | 2.13    | .05    | .16     | 421       | 1         | .04       | 7         | .08    | 20        | ND        | ND        | ND        | 1         | 4         | ND       | ND       | 30        |
| 18+005 9+30E  | .1        | 2.08    | ND        | ND        | 31        | ND        | .04       | .3        | 12        | 11        | 40        | 1.35    | .04    | .10     | 267       | 1         | .01       | 5         | .06    | 21        | ND        | ND        | ND        | ND        | 5         | ND       | ND       | 25        |
| 18+005 9+60E  | .2        | 1.94    | ND        | ND        | 103       | ND        | .09       | .4        | 14        | 9         | 16        | 1.49    | .07    | .10     | 347       | 1         | .01       | 9         | .03    | 18        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 30        |
| 18+005 9+90E  | .6        | .92     | 3         | ND        | 58        | ND        | .12       | .2        | 7         | 14        | 14        | 2.52    | .07    | .18     | 1119      | 1         | .04       | 7         | .07    | 17        | ND        | ND        | ND        | 1         | 13        | ND       | ND       | 43        |
| 18+005 10+20E | .1        | .32     | 4         | ND        | 37        | ND        | .01       | .2        | 1         | 5         | 9         | .45     | .02    | .02     | 28        | 1         | .01       | 3         | .06    | 28        | ND        | ND        | ND        | ND        | 4         | ND       | ND       | 11        |
| 18+905 5+40E  | .2        | 2.37    | ND        | ND        | 78        | ND        | .02       | .2        | 11        | 16        | 31        | 2.66    | .08    | .30     | 300       | 1         | .03       | 18        | .06    | 21        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 43        |
| 18+905 5+70E  | .2        | .94     | ND        | ND        | 70        | ND        | .05       | .1        | 6         | 10        | 18        | 2.23    | .07    | .08     | 676       | ND        | .01       | 7         | .04    | 16        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 28        |
| 18+905 6+00E  | .2        | 2.57    | ND        | ND        | 153       | ND        | .05       | .2        | 12        | 12        | 25        | 2.86    | .07    | .21     | 1156      | 1         | .06       | 16        | .08    | 21        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 3         |
| 18+905 6+30E  | .1        | .54     | 3         | ND        | 303       | ND        | .09       | .7        | 7         | 9         | 17        | 1.58    | .05    | .08     | 5195      | 1         | .02       | 15        | .05    | 43        | ND        | ND        | ND        | 1         | 14        | ND       | ND       | 46        |
| 18+905 6+60E  | .3        | 1.30    | ND        | ND        | 115       | ND        | .05       | .2        | 8         | 15        | 27        | 2.74    | .07    | .20     | 1432      | 1         | .04       | 11        | .10    | 24        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 55        |
| 18+905 6+90E  | .3        | .87     | 11        | ND        | 242       | ND        | .20       | 2.3       | 4         | 10        | 17        | 1.40    | .05    | .13     | 1323      | ND        | .04       | 8         | .06    | 63        | ND        | ND        | ND        | 1         | 19        | ND       | ND       | 93        |
| 18+905 7+20E  | .2        | 1.10    | 5         | ND        | 157       | ND        | .08       | .9        | 11        | 13        | 15        | 1.92    | .07    | .18     | 1115      | 1         | .02       | 10        | .03    | 37        | ND        | ND        | ND        | ND        | 14        | ND       | ND       | 50        |
| 18+905 7+50E  | .4        | 1.26    | 6         | ND        | 62        | ND        | .06       | .6        | 4         | 12        | 17        | 1.86    | .05    | .14     | 1211      | 1         | .03       | 7         | .17    | 33        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 47        |
| 18+905 7+80E  | .3        | 1.69    | ND        | ND        | 51        | ND        | .05       | .3        | 7         | 16        | 15        | 2.86    | .08    | .28     | 421       | 1         | .05       | 11        | .04    | 30        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 46        |
| 18+905 8+10E  | .3        | 1.44    | 3         | ND        | 54        | ND        | .07       | .8        | 7         | 15        | 12        | 4.02    | .09    | .25     | 242       | 1         | .08       | 9         | .06    | 44        | ND        | ND        | ND        | 2         | 10        | ND       | ND       | 41        |
| 18+905 8+40E  | .5        | .54     | 6         | ND        | 110       | ND        | .15       | .2        | 7         | 9         | B         | 1.72    | .06    | .10     | 3105      | 1         | .02       | 6         | .03    | 22        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 47        |
| 18+905 8+70E  | .3        | 1.11    | 8         | ND        | 68        | ND        | .03       | .5        | 6         | 12        | 12        | 1.51    | .04    | .12     | 982       | ND        | .02       | 7         | .04    | 35        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 36        |
| 18+905 9+00E  | .6        | .60     | 4         | ND        | 22        | ND        | .02       | .1        | 3         | 8         | 6         | 1.77    | .05    | .04     | 67        | 1         | .02       | 4         | .01    | 16        | ND        | ND        | ND        | 1         | 4         | ND       | ND       | 35        |
| 18+905 9+30E  | .2        | .39     | 6         | ND        | 35        | ND        | .04       | .6        | 1         | 7         | 8         | .68     | .03    | .04     | 86        | ND        | .01       | 3         | .07    | 66        | ND        | ND        | ND        | ND        | 6         | ND       | ND       | 25        |
| 18+905 9+60E  | .3        | 1.73    | ND        | ND        | 19        | ND        | .03       | .1        | 3         | 6         | 10        | 1.43    | .03    | .03     | 193       | 1         | .02       | 2         | .18    | 10        | ND        | ND        | ND        | 1         | 3         | ND       | ND       | 14        |
| 18+905 9+90E  | .3        | 4.61    | ND        | ND        | 26        | ND        | .04       | .2        | 4         | 9         | 13        | 1.72    | .04    | .08     | 106       | 1         | .03       | 6         | .09    | 10        | ND        | ND        | ND        | 1         | 5         | ND       | ND       | 17        |
| 18+905 10+20E | .1        | .56     | 4         | ND        | 58        | ND        | .01       | .1        | 1         | 4         | 7         | .53     | .01    | .04     | 24        | 1         | .01       | 2         | .06    | 23        | ND        | ND        | ND        | ND        | 3         | ND       | ND       | 10        |
| BL 19+80S     | .4        | 3.55    | ND        | ND        | 97        | 5         | 1.93      | .9        | 13        | 37        | 17        | 3.54    | .16    | .22     | 2158      | ND        | .11       | 30        | .16    | 73        | ND        | ND        | ND        | 1         | 44        | ND       | ND       | 24        |
| 18+905 0+30E  | .2        | 3.01    | ND        | ND        | 77        | ND        | .07       | .1        | 9         | 25        | 13        | 3.08    | .08    | .51     | 638       | 1         | .08       | 18        | .07    | 29        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 90        |
| 18+905 0+60E  | .3        | 3.27    | ND        | ND        | 103       | ND        | .08       | .1        | 12        | 26        | 13        | 3.20    | .09    | .59     | 1027      | ND        | .08       | 18        | .06    | 36        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 99        |
| 18+905 0+90E  | .2        | 2.43    | ND        | ND        | 101       | ND        | .06       | .2        | 9         | 18        | 11        | 2.84    | .07    | .36     | 888       | 1         | .07       | 13        | .09    | 32        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 88        |
| 18+905 1+20E  | .4        | 1.93    | ND        | ND        | 80        | ND        | .04       | .1        | 7         | 22        | 12        | 2.97    | .08    | .33     | 988       | ND        | .07       | 14        | .10    | 37        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 90        |

| SAMPLE NAME   | AG<br>PPM | AL<br>% | AS<br>PPM | AU<br>PPM | BA<br>PPM | BI<br>% | CA<br>PPM | CD<br>PPM | CO<br>PPM | CR<br>PPM | CU<br>PPM | FE<br>% | K<br>% | MG<br>% | MN<br>PPM | MO<br>PPM | NA<br>% | NI<br>PPM | P<br>% | PB<br>PPM | PD<br>PPM | PT<br>PPM | SB<br>PPM | SN<br>PPM | SR<br>PPM | U<br>PPM | W<br>PPM | ZN<br>PPM |
|---------------|-----------|---------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|---------|--------|---------|-----------|-----------|---------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| 19+B05 1+50E  | .4        | 2.94    | ND        | ND        | 65        | ND      | .04       | .4        | 8         | 22        | 13        | 3.26    | .09    | .39     | 356       | 1         | .07     | 15        | .08    | 29        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 97        |
| 19+B05 1+80E  | .5        | 1.08    | 8         | ND        | 34        | ND      | .03       | .1        | 4         | 13        | 7         | 2.38    | .07    | .15     | 337       | 1         | .03     | 6         | .05    | 28        | ND        | ND        | 4         | 1         | 5         | ND       | ND       | 42        |
| 19+B05 2+10E  | .3        | 2.52    | ND        | ND        | 43        | ND      | .02       | .1        | 5         | 22        | 12        | 3.87    | .08    | .27     | 245       | 1         | .08     | 11        | .07    | 29        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 57        |
| 19+B05 2+40E  | .4        | 2.05    | 5         | ND        | 79        | ND      | .05       | .5        | 13        | 21        | 22        | 3.00    | .09    | .43     | 428       | 1         | .05     | 24        | .07    | 31        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 77        |
| 19+B05 2+70E  | .6        | 1.28    | 6         | ND        | 106       | ND      | .05       | .2        | 6         | 18        | 11        | 2.91    | .07    | .29     | 209       | 1         | .05     | 13        | .06    | 30        | ND        | ND        | 3         | 2         | 10        | ND       | ND       | 56        |
| 19+B05 3+00E  | .4        | 2.68    | ND        | ND        | 69        | ND      | .05       | .1        | 8         | 13        | 14        | 2.47    | .06    | .18     | 795       | 1         | .05     | 10        | .09    | 23        | ND        | ND        | ND        | 2         | 7         | ND       | ND       | 62        |
| 19+B05 3+30E  | .4        | 2.97    | ND        | ND        | 63        | ND      | .05       | .2        | 7         | 13        | 14        | 2.42    | .06    | .18     | 684       | 1         | .05     | 10        | .08    | 20        | ND        | ND        | ND        | 2         | 7         | ND       | ND       | 60        |
| 19+B05 3+60E  | .5        | 1.94    | ND        | ND        | 65        | ND      | .02       | .2        | 4         | 22        | 15        | 4.36    | .11    | .30     | 189       | 2         | .07     | 8         | .05    | 97        | ND        | ND        | ND        | 2         | 18        | ND       | ND       | 52        |
| 19+B05 3+90E  | .3        | 2.11    | ND        | ND        | 70        | ND      | .02       | .1        | 4         | 19        | 20        | 3.42    | .09    | .27     | 345       | 1         | .06     | 9         | .07    | 53        | ND        | ND        | ND        | 1         | 14        | MD       | ND       | 55        |
| 19+B05 4+20E  | .3        | 1.31    | 3         | ND        | 62        | ND      | .02       | .2        | 5         | 17        | 17        | 3.47    | .09    | .22     | 201       | 1         | .05     | 10        | .04    | 41        | ND        | ND        | ND        | 1         | 12        | ND       | ND       | 41        |
| 19+B05 4+50E  | .4        | 2.09    | ND        | ND        | 68        | ND      | .04       | .3        | 9         | 20        | 24        | 3.41    | .10    | .28     | 633       | 1         | .05     | 18        | .05    | 35        | ND        | ND        | ND        | 1         | 12        | ND       | 3        | 62        |
| 19+B05 4+80E  | .4        | 2.49    | ND        | ND        | 74        | ND      | .03       | .2        | 10        | 22        | 28        | 3.74    | .11    | .33     | 365       | 1         | .06     | 24        | .06    | 39        | ND        | ND        | ND        | 1         | 13        | ND       | 5        | 71        |
| 19+B05 5+10E  | .4        | 2.72    | ND        | ND        | 71        | ND      | .03       | .2        | 9         | 24        | 28        | 3.66    | .10    | .32     | 250       | 1         | .06     | 23        | .06    | 37        | ND        | ND        | ND        | 1         | 13        | MD       | 7        | 68        |
| 19+B05 5+40E  | .4        | 1.87    | ND        | ND        | 62        | ND      | .03       | .1        | 5         | 15        | 13        | 2.50    | .07    | .20     | 257       | 1         | .03     | 12        | .03    | 21        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 46        |
| 19+B05 5+70E  | .4        | 1.43    | ND        | ND        | 59        | ND      | .02       | .1        | 5         | 15        | 13        | 2.49    | .07    | .19     | 132       | 1         | .03     | 12        | .02    | 23        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 34        |
| 19+B05 6+00E  | .4        | 1.64    | ND        | ND        | 62        | ND      | .03       | .2        | 10        | 15        | 33        | 2.60    | .09    | .23     | 517       | 1         | .02     | 17        | .05    | 20        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 43        |
| 19+B05 6+30E  | .6        | 1.99    | 3         | ND        | 80        | ND      | .05       | .4        | 7         | 13        | 15        | 2.89    | .07    | .16     | 810       | 1         | .05     | 11        | .05    | 22        | ND        | ND        | ND        | 2         | 8         | ND       | ND       | 58        |
| 19+B05 6+60E  | .4        | 2.65    | ND        | ND        | 63        | ND      | .04       | .3        | 8         | 11        | 16        | 2.31    | .06    | .15     | 517       | 1         | .04     | 9         | .05    | 20        | ND        | ND        | ND        | 1         | 7         | ND       | 3        | 53        |
| 19+B05 6+90E  | .4        | 3.64    | ND        | ND        | 40        | ND      | .04       | .4        | 5         | 8         | 17        | 1.71    | .05    | .10     | 426       | 1         | .03     | 6         | .10    | 17        | ND        | ND        | ND        | 1         | 5         | ND       | ND       | 44        |
| 19+B05 7+20E  | .5        | .79     | 5         | ND        | 43        | ND      | .02       | .1        | 3         | 9         | 9         | 1.43    | .05    | .07     | 91        | 1         | .01     | 5         | .02    | 23        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 25        |
| 19+B05 7+50E  | .5        | .45     | 5         | ND        | 67        | ND      | .05       | .4        | 3         | 8         | 17        | .93     | .04    | .04     | 338       | 1         | .01     | 9         | .01    | 16        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 30        |
| 19+B05 7+80E  | .6        | 1.56    | ND        | ND        | 77        | ND      | .05       | .6        | 2         | 6         | 16        | 1.19    | .04    | .04     | 53        | 1         | .01     | 5         | .04    | 31        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 20        |
| 19+B05 8+10E  | .5        | 1.48    | ND        | ND        | 52        | ND      | .04       | .5        | 7         | 19        | 11        | 3.81    | .09    | .32     | 336       | 1         | .07     | 12        | .05    | 30        | ND        | ND        | ND        | 2         | 7         | ND       | ND       | 53        |
| 19+B05 8+40E  | .3        | 1.97    | ND        | ND        | 67        | ND      | .05       | .7        | 9         | 19        | 21        | 2.38    | .08    | .43     | 338       | 1         | .04     | 18        | .05    | 27        | ND        | ND        | ND        | 1         | 9         | MD       | ND       | 50        |
| 19+B05 8+70E  | .6        | 1.42    | 4         | ND        | 48        | ND      | .05       | .3        | 6         | 16        | 12        | 2.27    | .08    | .45     | 332       | 1         | .04     | 8         | .04    | 33        | ND        | ND        | ND        | 1         | 5         | ND       | ND       | 38        |
| 19+B05 9+00E  | .3        | 1.62    | ND        | ND        | 35        | ND      | .02       | .3        | 4         | 16        | 15        | 2.84    | .06    | .22     | 188       | 1         | .05     | 8         | .07    | 23        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 35        |
| 19+B05 9+30E  | .4        | 1.36    | ND        | ND        | 34        | ND      | .02       | .1        | 4         | 15        | 17        | 2.56    | .07    | .20     | 117       | 1         | .03     | 7         | .05    | 26        | ND        | ND        | ND        | 1         | 4         | ND       | ND       | 29        |
| 19+B05 9+60E  | .5        | .55     | 5         | ND        | 49        | ND      | .04       | .1        | 5         | 8         | 7         | 1.44    | .05    | .09     | 1040      | 1         | .01     | 4         | .03    | 14        | ND        | ND        | ND        | 1         | 5         | ND       | ND       | 27        |
| 19+B05 9+90E  | .4        | .20     | 3         | ND        | 20        | ND      | .02       | .3        | 1         | 5         | 5         | .71     | .03    | .02     | 46        | ND        | .01     | 2         | .01    | 20        | ND        | ND        | ND        | 1         | 5         | ND       | ND       | 12        |
| 19+B05 10+20E | .2        | .08     | 8         | ND        | 18        | ND      | .01       | .3        | 2         | 4         | 4         | .47     | .10    | .01     | 28        | 1         | .01     | 4         | .01    | 16        | ND        | ND        | ND        | 2         | ND        | ND       | 8        | 11        |
| BL 20+70S     | .2        | 2.80    | ND        | ND        | 101       | ND      | .37       | .4        | 19        | 30        | 27        | 3.71    | .12    | .81     | 4215      | ND        | .10     | 31        | .17    | 45        | ND        | ND        | ND        | 1         | 35        | ND       | 11       | 110       |
| 20+70S 0+30E  | .3        | 2.41    | ND        | ND        | 85        | ND      | .07       | .3        | 11        | 25        | 12        | 3.07    | .08    | .54     | 772       | ND        | .07     | 19        | .05    | 30        | ND        | ND        | ND        | 1         | 8         | ND       | 5        | 74        |
| 20+70S 0+60E  | .4        | 2.48    | ND        | ND        | 90        | ND      | .06       | .2        | 8         | 19        | 11        | 2.70    | .08    | .39     | 759       | 1         | .06     | 17        | .09    | 51        | ND        | ND        | ND        | 1         | 7         | ND       | 3        | 92        |
| 20+70S 0+90E  | .3        | 1.62    | ND        | ND        | 87        | ND      | .04       | .1        | 9         | 17        | 9         | 2.86    | .08    | .29     | 1337      | ND        | .06     | 13        | .06    | 30        | ND        | ND        | ND        | 6         | ND        | ND       | 74       | 74        |
| 20+70S 1+20E  | .3        | 1.84    | ND        | ND        | 80        | ND      | .04       | .1        | 9         | 18        | 11        | 3.01    | .09    | .33     | 765       | 1         | .06     | 15        | .07    | 33        | ND        | ND        | ND        | 7         | ND        | ND       | 86       | 86        |
| 20+70S 1+50E  | .4        | 2.18    | ND        | ND        | 67        | ND      | .03       | .2        | 9         | 21        | 11        | 3.54    | .09    | .37     | 346       | 1         | .06     | 13        | .05    | 32        | ND        | ND        | ND        | 1         | 7         | ND       | 5        | 79        |
| 20+70S 1+80E  | .5        | 2.28    | ND        | ND        | 76        | ND      | .03       | .2        | 8         | 16        | 9         | 2.60    | .07    | .26     | 388       | 1         | .05     | 12        | .05    | 27        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 64        |
| 20+70S 2+10E  | .3        | 2.71    | ND        | ND        | 60        | ND      | .03       | .3        | 7         | 18        | 11        | 2.55    | .07    | .30     | 277       | 1         | .05     | 14        | .07    | 28        | ND        | ND        | ND        | 1         | 6         | ND       | 3        | 69        |
| 20+70S 2+40E  | .3        | 1.72    | ND        | ND        | 60        | ND      | .04       | .2        | 6         | 20        | 11        | 3.61    | .08    | .30     | 326       | 1         | .07     | 12        | .05    | 28        | ND        | ND        | ND        | 1         | 7         | ND       | 8        | 58        |

| SAMPLE NAME   | AG<br>PPM | AL<br>% | AS<br>PPM | AU<br>PPM | BA<br>PPM | BI<br>PPM | CA<br>% | CD<br>PPM | CO<br>PPM | CR<br>PPM | CU<br>PPM | FE<br>% | K<br>% | Mg<br>% | Mn<br>PPM | Mn<br>PPM | Na<br>% | Ni<br>PPM | P<br>% | PB<br>PPM | PD<br>PPM | PT<br>PPM | Si<br>PPM | Sn<br>PPM | SR<br>PPM | U<br>PPM | W<br>PPM | Zn<br>PPM |    |
|---------------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|-----------|-----------|---------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|----|
| 20+70S 2+70E  | .4        | 3.76    | ND        | ND        | 81        | ND        | .04     | .1        | 7         | 18        | 14        | 2.42    | .05    | .24     | 277       | 1         | .05     | 14        | .13    | 24        | ND        | ND        | ND        | 1         | 7         | ND       | 4        | 57        |    |
| 20+70S 3+00E  | .6        | 3.54    | ND        | ND        | 373       | 5         | .18     | .4        | 13        | 29        | 21        | 3.39    | .10    | .75     | 472       | 1         | .06     | 47        | .30    | 26        | ND        | ND        | ND        | 2         | 35        | ND       | 18       | 86        |    |
| 20+70S 3+30E  | .2        | 3.10    | 6         | ND        | 56        | ND        | .04     | .1        | 5         | 17        | 14        | 2.56    | .05    | .21     | 467       | 1         | .06     | 9         | .11    | 23        | ND        | ND        | ND        | 1         | 6         | ND       | 4        | 59        |    |
| 20+70S 3+60E  | .5        | 3.90    | ND        | ND        | 45        | ND        | .04     | .1        | 4         | 14        | 14        | 2.84    | .05    | .16     | 133       | 1         | .06     | 5         | .07    | 51        | ND        | ND        | ND        | 1         | 6         | ND       | 11       | 52        |    |
| 20+70S 3+90E  | .2        | 2.30    | ND        | ND        | 60        | ND        | .04     | .1        | 8         | 21        | 20        | 3.02    | .07    | .33     | 656       | 1         | .06     | 20        | .05    | 25        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 74        |    |
| 20+70S 4+20E  | .3        | 1.24    | 5         | ND        | 54        | ND        | .08     | .4        | 5         | 11        | 17        | 2.12    | .04    | .13     | 587       | 1         | .04     | 6         | .04    | 24        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 45        |    |
| 20+70S 4+50E  | .1        | 2.78    | ND        | ND        | 56        | ND        | .02     | .2        | 6         | 16        | 16        | 2.67    | .06    | .23     | 230       | 1         | .04     | 12        | .05    | 23        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 41        |    |
| 20+70S 4+80E  | .2        | 3.94    | ND        | ND        | 60        | ND        | .06     | .1        | 7         | 13        | 17        | 2.04    | .05    | .22     | 317       | 1         | .03     | 12        | .08    | 24        | ND        | ND        | ND        | 1         | 7         | ND       | 10       | 41        |    |
| 20+70S 5+10E  | .2        | .71     | 4         | ND        | 48        | ND        | .05     | .1        | 3         | 13        | 9         | 1.93    | .05    | .11     | 140       | 1         | .01     | 6         | .03    | 26        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 33        |    |
| 20+70S 5+40E  | .2        | 1.49    | ND        | ND        | 92        | ND        | .02     | .1        | 6         | 15        | 11        | 2.28    | .06    | .22     | 655       | 1         | .02     | 11        | .04    | 26        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 39        |    |
| 20+70S 5+70E  | .1        | 1.09    | ND        | ND        | 179       | ND        | .04     | .4        | 9         | 13        | 23        | 2.45    | .06    | .11     | 9146      | 1         | .03     | 11        | .06    | 23        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 63        |    |
| 20+70S 6+00E  | .3        | 1.37    | 9         | ND        | 67        | ND        | .07     | .1        | 7         | 13        | 12        | 2.84    | .06    | .15     | 1395      | 1         | .05     | 9         | .06    | 24        | ND        | ND        | ND        | 3         | 1         | 8        | ND       | 58        |    |
| 20+70S 6+30E  | .1        | 1.46    | 6         | ND        | 135       | ND        | .13     | .7        | 7         | 13        | 13        | 2.07    | .05    | .22     | 1748      | 1         | .05     | 9         | .06    | 43        | ND        | ND        | ND        | 1         | 15        | ND       | ND       | 84        |    |
| 20+70S 6+60E  | .1        | .83     | 8         | ND        | 92        | ND        | .14     | 1.4       | 4         | 12        | 17        | 1.30    | .03    | .19     | 511       | ND        | .05     | 9         | .10    | 282       | ND        | ND        | ND        | 3         | 1         | 14       | ND       | 124       |    |
| 20+70S 6+90E  | .1        | 2.05    | 3         | ND        | 110       | ND        | .09     | .5        | 4         | 13        | 18        | 1.94    | .03    | .20     | 632       | 1         | .05     | 10        | .10    | 27        | ND        | ND        | ND        | 1         | 12        | ND       | ND       | 62        |    |
| 20+70S 7+20E  | .2        | 1.71    | 6         | ND        | 68        | ND        | .06     | .4        | 5         | 14        | 12        | 2.72    | .05    | .18     | 217       | 1         | .06     | 8         | .03    | 31        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 44        |    |
| 20+70S 7+50E  | .1        | .45     | 7         | ND        | 115       | ND        | .29     | .6        | 3         | 9         | 11        | 1.05    | .04    | .09     | 249       | ND        | .02     | 5         | .04    | 39        | ND        | ND        | ND        | 1         | 21        | ND       | ND       | 39        |    |
| 20+70S 7+80E  | .9        | .61     | 7         | ND        | 74        | ND        | .03     | .3        | 2         | 8         | 8         | .89     | .09    | .08     | 65        | ND        | .01     | 5         | .02    | 23        | ND        | ND        | ND        | 6         | 6         | ND       | ND       | 21        |    |
| 20+70S 8+10E  | .1        | 1.16    | 8         | ND        | 88        | ND        | .10     | .5        | 12        | 5         | 10        | .69     | .01    | .10     | 348       | ND        | .01     | 6         | .13    | 69        | ND        | ND        | ND        | ND        | 14        | ND       | ND       | 40        |    |
| 20+70S 8+40E  | .1        | 2.45    | ND        | ND        | 40        | ND        | .09     | .3        | 6         | 21        | 14        | 3.24    | .08    | .37     | 253       | 1         | .06     | 16        | .04    | 22        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 57        |    |
| 20+70S 8+70E  | .1        | 1.78    | ND        | ND        | 64        | ND        | .04     | .2        | 6         | 17        | 63        | 2.32    | .06    | .45     | 217       | 1         | .04     | 11        | .03    | 18        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 29        |    |
| 20+70S 9+00E  | 1.0       | .75     | 10        | ND        | 35        | ND        | .02     | .8        | 2         | 10        | 67        | 1.41    | .02    | .09     | 67        | 1         | .02     | 5         | .06    | 25        | ND        | ND        | ND        | ND        | 4         | ND       | ND       | 24        |    |
| 20+70S 9+30E  | .1        | 1.02    | 3         | ND        | 73        | ND        | .07     | .1        | 8         | 11        | 7         | 1.68    | .05    | .24     | 1184      | ND        | .03     | 8         | .06    | 17        | ND        | ND        | ND        | ND        | 8         | ND       | ND       | 39        |    |
| 20+70S 9+60E  | .2        | 1.35    | 3         | ND        | 59        | 3         | .12     | .4        | 7         | 20        | 10        | 2.41    | .06    | .72     | 510       | ND        | .06     | 13        | .07    | 12        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 51        |    |
| 20+70S 9+90E  | .1        | .93     | 5         | ND        | 39        | ND        | .06     | .3        | 18        | 10        | 17        | 1.52    | .03    | .18     | 566       | ND        | .03     | 11        | .10    | 29        | ND        | ND        | ND        | ND        | 8         | ND       | ND       | 27        |    |
| 20+70S 10+20E | .1        | 1.26    | 8         | ND        | 39        | ND        | .02     | .3        | 1         | 4         | 18        | .53     | .01    | .05     | 47        | 1         | .01     | 2         | .15    | 24        | ND        | ND        | ND        | ND        | 4         | ND       | ND       | 14        |    |
| 20+70S 0+30W  | .1        | 3.85    | ND        | ND        | 64        | ND        | .45     | .6        | 15        | 37        | 15        | 3.86    | .10    | 1.60    | 1431      | ND        | .12     | 33        | .10    | 53        | ND        | ND        | ND        | 1         | 17        | ND       | 28       | 114       |    |
| 20+70S 0+60W  | .1        | 4.19    | ND        | ND        | 99        | ND        | .19     | .5        | 13        | 29        | 23        | 2.98    | .07    | 1.07    | 363       | ND        | .09     | 28        | .11    | 38        | ND        | ND        | ND        | 1         | 12        | ND       | 23       | 121       |    |
| 20+70S 0+90W  | .1        | 2.15    | ND        | ND        | 99        | ND        | .20     | .3        | 9         | 21        | 10        | 2.63    | .05    | .44     | 1211      | ND        | .07     | 14        | .10    | 25        | ND        | ND        | ND        | 1         | 13        | ND       | ND       | 94        |    |
| 20+70S 1+20W  | .7        | 1.19    | ND        | ND        | 79        | ND        | .06     | .1        | 6         | 14        | 6         | 1.73    | .10    | .27     | 527       | 1         | .03     | 10        | .05    | 26        | ND        | ND        | ND        | 6         | 6         | ND       | ND       | 57        |    |
| 20+70S 1+50W  | .1        | 1.22    | ND        | ND        | 172       | ND        | .23     | .5        | 7         | 14        | 14        | 1.81    | .04    | .19     | 3848      | ND        | .05     | 9         | .09    | 28        | ND        | ND        | ND        | ND        | 12        | ND       | ND       | 80        |    |
| 20+70S 1+80W  | .1        | 2.54    | ND        | ND        | 118       | ND        | .54     | .4        | 11        | 25        | 15        | 2.69    | .09    | .60     | 1141      | ND        | .06     | 22        | .07    | 25        | ND        | ND        | ND        | ND        | 22        | ND       | ND       | 8         | 81 |
| 20+70S 2+10W  | .1        | 2.57    | ND        | ND        | 57        | ND        | .53     | .6        | 7         | 22        | 22        | 2.19    | .08    | .42     | 190       | ND        | .03     | 17        | .07    | 30        | ND        | ND        | ND        | ND        | 19        | ND       | ND       | 72        |    |
| 20+70S 2+40W  | .1        | 2.50    | ND        | ND        | 98        | ND        | .74     | .4        | 10        | 27        | 19        | 2.80    | .12    | .79     | 1396      | ND        | .04     | 24        | .16    | 37        | ND        | ND        | ND        | ND        | 28        | ND       | 4        | 110       |    |
| 20+70S 2+70W  | .1        | 2.09    | ND        | ND        | 106       | ND        | .22     | .2        | 8         | 24        | 12        | 3.04    | .08    | .49     | 490       | ND        | .07     | 16        | .06    | 46        | ND        | ND        | ND        | 1         | 18        | ND       | ND       | 93        |    |
| 20+70S 3+00W  | .1        | 1.90    | ND        | ND        | 84        | ND        | .08     | .2        | 9         | 22        | 13        | 2.67    | .09    | .54     | 367       | ND        | .06     | 20        | .05    | 37        | ND        | ND        | ND        | ND        | 14        | ND       | ND       | 85        |    |
| 20+70S 3+30W  | .1        | 2.24    | ND        | ND        | 121       | ND        | .25     | .5        | 19        | 21        | 14        | 4.09    | .14    | .45     | 1378      | ND        | .09     | 15        | .10    | 26        | ND        | ND        | ND        | ND        | 21        | ND       | ND       | 75        |    |
| 20+70S 3+60W  | .1        | .88     | ND        | ND        | 92        | ND        | .09     | .9        | 4         | 11        | 15        | 1.34    | .02    | .13     | 197       | ND        | .02     | 8         | .06    | 26        | ND        | ND        | ND        | ND        | 11        | ND       | ND       | 48        |    |
| 20+70S 3+90W  | .1        | 1.98    | ND        | ND        | 55        | ND        | .11     | .1        | 8         | 18        | 10        | 3.12    | .08    | .32     | 204       | ND        | .05     | 14        | .04    | 28        | ND        | ND        | ND        | 1         | 13        | ND       | ND       | 51        |    |

| SAMPLE NAME  | Ag<br>PPM | Al<br>% | As<br>PPM | Au<br>PPM | Ba<br>PPM | Bi<br>PPM | Ca<br>% | Cd<br>PPM | Co<br>PPM | Cr<br>PPM | Cu<br>PPM | Fe<br>% | K<br>% | Mg<br>% | Mn<br>PPM | Mo<br>PPM | Na<br>% | Ni<br>PPM | P<br>% | Pb<br>PPM | Pd<br>PPM | Pt<br>PPM | Sb<br>PPM | Sn<br>PPM | Sr<br>PPM | U<br>PPM | W<br>PPM | Zn<br>PPM |    |
|--------------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|-----------|-----------|---------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|----|
| 2D+70S 4+20W | .9        | 2.32    | 3         | ND        | 60        | ND        | .41     | 1.2       | 9         | 20        | 13        | 2.43    | .09    | .39     | 1197      | 1         | .08     | 14        | .06    | 125       | ND        | ND        | ND        | 1         | 16        | ND       | ND       | 191       |    |
| 2D+70S 4+50W | 1.0       | 2.53    | 5         | ND        | 66        | ND        | .45     | 1.4       | 10        | 22        | 15        | 2.63    | .11    | .44     | 1200      | 1         | .09     | 14        | .06    | 146       | ND        | ND        | ND        | 1         | 17        | ND       | ND       | 225       |    |
| 2D+70S 4+80W | .6        | 3.49    | ND        | ND        | 126       | ND        | .25     | 1.7       | 13        | 34        | 18        | 3.29    | .09    | .83     | 1271      | 1         | .16     | 23        | .08    | 107       | ND        | ND        | ND        | 1         | 13        | ND       | 12       | 357       |    |
| 2D+70S 5+10W | 1.5       | 4.27    | ND        | ND        | 155       | 3         | .52     | 5.0       | 18        | 49        | 31        | 4.01    | .18    | 1.36    | 957       | ND        | .26     | 41        | .10    | 446       | ND        | ND        | ND        | 2         | 26        | ND       | 20       | 747       |    |
| 21+60S BL    | .4        | 2.04    | ND        | ND        | 83        | ND        | .04     | .4        | 8         | 17        | 9         | 2.40    | .08    | .31     | 704       | ND        | .04     | 12        | .07    | 28        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 71        |    |
| 21+60S 0+30E | .5        | 2.75    | ND        | ND        | 112       | ND        | .07     | .5        | 9         | 15        | 14        | 2.54    | .07    | .26     | 1495      | 1         | .05     | 9         | .13    | 31        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 94        |    |
| 21+60S 0+60E | .5        | 1.72    | ND        | ND        | 111       | ND        | .12     | .3        | 8         | 17        | 9         | 2.85    | .10    | .30     | 644       | 1         | .05     | 13        | .09    | 33        | ND        | ND        | ND        | 3         | 10        | ND       | ND       | 79        |    |
| 21+60S 0+90E | .3        | 1.69    | 3         | ND        | 168       | ND        | .10     | .4        | 12        | 20        | 15        | 2.92    | .10    | .34     | 2029      | ND        | .06     | 15        | .09    | 47        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 104       |    |
| 21+60S 1+20E | .4        | 2.10    | ND        | ND        | 96        | ND        | .05     | .3        | 13        | 21        | 11        | 3.34    | .10    | .40     | 1090      | 1         | .06     | 18        | .07    | 40        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 102       |    |
| 21+60S 1+50E | .5        | 2.33    | 3         | ND        | 93        | ND        | .05     | .2        | 6         | 35        | 21        | 2.10    | .48    | .43     | 467       | 1         | .02     | 18        | .08    | 83        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 92        |    |
| 21+60S 1+80E | .2        | 2.17    | 3         | ND        | 110       | ND        | .05     | .2        | 1         | 25        | 12        | 3.34    | .32    | .31     | 65        | 1         | .01     | 11        | .09    | 83        | ND        | ND        | ND        | 7         | ND        | ND       | ND       | 79        |    |
| 21+60S 2+10E | .3        | 3.16    | ND        | ND        | 87        | ND        | .03     | .5        | 7         | 13        | 14        | 2.26    | .06    | .23     | 302       | 1         | .04     | 12        | .08    | 24        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 70        |    |
| 21+60S 2+40E | .9        | 2.24    | ND        | ND        | 90        | ND        | .07     | .2        | 8         | 13        | 10        | 2.42    | .07    | .15     | 1433      | 1         | .05     | 10        | .12    | 27        | ND        | ND        | ND        | 3         | 1         | 8        | ND       | 95        |    |
| 21+60S 2+70E | .3        | 4.45    | ND        | ND        | 51        | ND        | .04     | .5        | 7         | 13        | 12        | 2.41    | .06    | .17     | 466       | 1         | .05     | 11        | .14    | 20        | ND        | ND        | ND        | 1         | 5         | ND       | 4        | 76        |    |
| 21+60S 3+00E | .5        | 1.57    | ND        | ND        | 65        | ND        | .03     | .3        | 5         | 13        | 9         | 2.09    | .06    | .15     | 320       | ND        | .03     | 7         | .03    | 21        | ND        | ND        | ND        | 3         | 1         | 4        | ND       | 43        |    |
| 21+60S 3+30E | .4        | 2.44    | ND        | ND        | 71        | ND        | .05     | .4        | 7         | 18        | 15        | 2.73    | .08    | .29     | 332       | 1         | .05     | 10        | .09    | 31        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 62        |    |
| 21+60S 3+60E | .8        | 3.20    | ND        | ND        | 67        | ND        | .06     | .4        | 5         | 15        | 14        | 3.40    | .08    | .15     | 705       | 1         | .07     | 7         | .23    | 60        | ND        | ND        | ND        | 2         | 6         | ND       | ND       | 64        |    |
| 21+60S 3+90E | .5        | 2.14    | ND        | ND        | 146       | ND        | .04     | .3        | 10        | 24        | 20        | 3.59    | .10    | .47     | 571       | 1         | .06     | 18        | .08    | 34        | ND        | ND        | ND        | 2         | 14        | ND       | ND       | 71        |    |
| 21+60S 4+20E | .3        | 2.50    | ND        | ND        | 381       | ND        | .08     | .2        | 13        | 27        | 23        | 3.08    | .12    | .66     | 565       | 1         | .04     | 33        | .15    | 29        | ND        | ND        | ND        | 3         | 2         | 28       | ND       | ND        | 79 |
| 21+60S 4+50E | .3        | .83     | 12        | ND        | 64        | ND        | .19     | .7        | 7         | 19        | 22        | 1.93    | .27    | .18     | 275       | 5         | .01     | 78        | .06    | 39        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 39        |    |
| 21+60S 4+80E | .6        | 1.33    | ND        | ND        | 165       | ND        | .05     | .1        | 7         | 22        | 12        | 2.83    | .08    | .31     | 243       | 1         | .04     | 15        | .05    | 45        | ND        | ND        | ND        | 4         | 1         | 14       | ND       | ND        | 59 |
| 21+60S 5+10E | .1        | 3.42    | ND        | ND        | 70        | ND        | .03     | .4        | 6         | 17        | 12        | 2.50    | .06    | .25     | 259       | 1         | .05     | 11        | .06    | 28        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 49        |    |
| 21+60S 5+40E | .1        | 1.09    | 4         | ND        | 103       | ND        | .14     | .3        | 7         | 13        | 11        | 2.11    | .07    | .23     | 2355      | ND        | .04     | 9         | .05    | 48        | ND        | ND        | ND        | 3         | 1         | 14       | ND       | ND        | 65 |
| 21+60S 5+70E | .2        | 2.18    | ND        | ND        | 62        | ND        | .04     | .2        | 6         | 14        | 10        | 2.41    | .06    | .22     | 666       | ND        | .04     | 9         | .04    | 21        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 54        |    |
| 21+60S 6+00E | .2        | 4.34    | ND        | ND        | 55        | ND        | .04     | .2        | 7         | 9         | 12        | 1.87    | .05    | .13     | 384       | 1         | .04     | 8         | .07    | 15        | ND        | ND        | ND        | 1         | 5         | ND       | ND       | 51        |    |
| 21+60S 6+30E | .4        | .90     | 13        | ND        | 50        | ND        | .08     | 2.0       | 2         | 10        | 7         | .80     | .04    | .12     | 40        | ND        | .01     | 8         | .09    | 37        | ND        | ND        | ND        | 3         | 11        | ND       | ND       | 32        |    |
| 21+60S 6+60E | .2        | .65     | 7         | ND        | 36        | ND        | .03     | .1        | 3         | 10        | 8         | 1.01    | .04    | .14     | 82        | ND        | .01     | 5         | .03    | 17        | ND        | ND        | ND        | 4         | 5         | ND       | ND       | 24        |    |
| 21+60S 6+90E | .3        | .77     | 4         | ND        | 35        | ND        | .02     | .5        | 3         | 8         | 13        | 1.04    | .04    | .08     | 71        | ND        | .01     | 4         | .03    | 19        | ND        | ND        | ND        | 4         | ND        | ND       | ND       | 25        |    |
| 21+60S 7+20E | .3        | 1.17    | 7         | ND        | 55        | ND        | .02     | .7        | 6         | 13        | 15        | 2.58    | .07    | .18     | 333       | 1         | .04     | 7         | .05    | 36        | ND        | ND        | ND        | 5         | 1         | 5        | ND       | ND        | 38 |
| 21+60S 7+50E | .2        | 1.67    | 3         | ND        | 37        | ND        | .09     | .1        | 9         | 24        | 32        | 3.18    | .22    | .23     | 418       | 1         | .01     | 18        | .06    | 74        | ND        | ND        | ND        | 8         | 1         | 12       | ND       | ND        | 49 |
| 21+60S 7+80E | .8        | 1.65    | 9         | ND        | 27        | ND        | .03     | 1.2       | 13        | 16        | 17        | 3.05    | .11    | .30     | 400       | 1         | .06     | 11        | .07    | 26        | ND        | ND        | ND        | 8         | 1         | 4        | ND       | ND        | 45 |
| 21+60S 8+10E | .6        | 1.71    | 6         | ND        | 33        | ND        | .03     | .5        | 9         | 27        | 17        | 2.53    | .09    | .41     | 390       | 2         | .05     | 15        | .08    | 22        | ND        | ND        | ND        | 7         | 1         | 5        | ND       | ND        | 51 |
| 21+60S 8+40E | .9        | .87     | 7         | ND        | 43        | ND        | .03     | .4        | 3         | 10        | 10        | .91     | .08    | .17     | 164       | 1         | .01     | 3         | .01    | 69        | ND        | ND        | ND        | 5         | 1         | 3        | ND       | ND        | 20 |
| 21+60S 8+70E | .7        | 2.06    | 3         | ND        | 50        | 3         | .04     | .5        | 9         | 25        | 89        | 3.05    | .11    | .91     | 1928      | 1         | .09     | 11        | .07    | 17        | ND        | ND        | ND        | 7         | 1         | 4        | ND       | 3         | 58 |
| 21+60S 9+00E | .5        | 1.59    | 5         | ND        | 59        | ND        | .04     | .6        | 11        | 12        | 27        | 1.58    | .08    | .39     | 459       | 2         | .02     | 8         | .07    | 19        | ND        | ND        | ND        | 5         | 6         | ND       | ND       | 34        |    |
| 21+60S 9+30E | .5        | .81     | 5         | ND        | 30        | ND        | .02     | .2        | 4         | 9         | 5         | 1.44    | .06    | .18     | 153       | 1         | .01     | 4         | .02    | 15        | ND        | ND        | ND        | 5         | 3         | ND       | ND       | 21        |    |
| 21+60S 9+60E | .6        | 2.08    | 4         | ND        | 35        | 4         | .04     | .5        | 6         | 19        | 8         | 1.50    | .06    | 1.45    | 783       | 1         | .07     | 8         | .01    | 14        | ND        | ND        | ND        | 4         | 1         | 3        | ND       | 10        | 40 |
| 21+60S 9+90E | .5        | .07     | 4         | ND        | 15        | ND        | .01     | .1        | 1         | 3         | 3         | .43     | .04    | .01     | 33        | ND        | .01     | 1         | .01    | 9         | ND        | ND        | ND        | 5         | 2         | ND       | ND       | 8         |    |
| 21+60S 0+30W | .5        | 1.02    | 5         | ND        | 56        | ND        | .06     | .2        | 5         | 11        | 5         | 1.75    | .08    | .16     | 1044      | ND        | .03     | 6         | .06    | 23        | ND        | ND        | ND        | 6         | ND        | ND       | ND       | 43        |    |

| SAMPLE NAME  | AG<br>PPM | AL<br>% | AS<br>PPM | AU<br>PPM | BA<br>PPM | BI<br>PPM | CA<br>% | CD<br>PPM | CO<br>PPM | CR<br>PPM | CU<br>PPM | FE<br>% | K<br>% | MG<br>% | MN<br>PPM | MO<br>PPM | NA<br>% | NJ<br>PPM | P<br>% | PB<br>PPM | PD<br>PPM | PI<br>PPM | SH<br>PPM | SN<br>PPM | SR<br>PPM | U<br>PPM | W<br>PPM | ZN<br>PPM |
|--------------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|-----------|-----------|---------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| 21+60S 0+60W | .6        | 1.23    | 4         | ND        | 47        | ND        | .04     | .2        | 4         | 12        | 50        | 1.78    | .05    | .16     | 283       | 1         | .03     | 5         | .05    | 22        | ND        | ND        | ND        | 1         | 5         | ND       | ND       | 47        |
| 21+60S 0+90W | .6        | 2.45    | ND        | ND        | 96        | ND        | .04     | .2        | 7         | 15        | 9         | 2.09    | .05    | .26     | 487       | 1         | .05     | 9         | .12    | 20        | ND        | ND        | ND        | 1         | 7         | ND       | 3        | 83        |
| 21+60S 1+20W | .3        | 2.26    | ND        | ND        | 120       | ND        | .05     | .5        | 8         | 16        | 11        | 2.22    | .06    | .22     | 1361      | 1         | .04     | 9         | .07    | 21        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 79        |
| 21+60S 1+50W | .3        | 2.43    | ND        | ND        | 99        | ND        | .09     | .3        | 8         | 21        | 10        | 2.80    | .09    | .44     | 341       | 1         | .05     | 16        | .05    | 28        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 74        |
| 21+60S 1+80W | .4        | 1.73    | ND        | ND        | 65        | ND        | .46     | .2        | 9         | 15        | 10        | 2.07    | .10    | .32     | 884       | ND        | .03     | 11        | .08    | 27        | ND        | ND        | ND        | ND        | 17        | ND       | ND       | 61        |
| 21+60S 2+10W | .3        | 1.96    | ND        | ND        | 80        | ND        | 1.31    | .6        | 7         | 17        | 11        | 1.93    | .12    | .41     | 1344      | ND        | .04     | 14        | .15    | 26        | ND        | ND        | ND        | 1         | 37        | MD       | ND       | 97        |
| 21+60S 2+40W | .2        | 2.49    | ND        | ND        | 107       | ND        | .22     | .8        | 10        | 25        | 11        | 2.92    | .11    | .66     | 1869      | ND        | .07     | 18        | .17    | 40        | ND        | ND        | ND        | 1         | 15        | ND       | B        | 121       |
| 21+60S 2+70W | .3        | 1.60    | 3         | ND        | 159       | ND        | .18     | .4        | 9         | 18        | 10        | 2.42    | .09    | .38     | 1234      | ND        | .05     | 13        | .06    | 44        | ND        | ND        | ND        | 1         | 16        | ND       | ND       | 82        |
| 21+60S 3+00W | .5        | 2.87    | ND        | ND        | 61        | ND        | .39     | .1        | 8         | 19        | 8         | 2.15    | .10    | .37     | 286       | ND        | .03     | 16        | .09    | 31        | ND        | ND        | ND        | 1         | 25        | ND       | 3        | 67        |
| 21+60S 3+30W | .5        | 2.85    | ND        | ND        | 127       | ND        | .10     | .4        | 12        | 26        | 11        | 3.82    | .12    | .49     | 1184      | ND        | .09     | 16        | .12    | 26        | ND        | ND        | ND        | 1         | 13        | ND       | 6        | 119       |
| 21+60S 3+60W | .6        | 4.09    | ND        | ND        | 199       | ND        | .11     | .4        | 13        | 16        | 10        | 2.98    | .08    | .25     | 277       | ND        | .07     | 13        | .78    | 26        | ND        | ND        | ND        | 2         | 15        | ND       | 5        | 93        |
| 21+60S 3+90W | .7        | 3.40    | ND        | ND        | 95        | ND        | .08     | .2        | 15        | 21        | 16        | 3.63    | .10    | .42     | 948       | 1         | .08     | 13        | .19    | 25        | ND        | ND        | ND        | 1         | 10        | ND       | 9        | 93        |
| 21+60S 4+20W | .5        | 1.83    | ND        | ND        | 66        | ND        | .09     | .7        | 12        | 19        | 6         | 2.91    | .12    | .54     | 982       | ND        | .04     | 7         | .12    | 34        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 58        |
| 21+60S 4+50W | .7        | 2.22    | ND        | ND        | 134       | ND        | .17     | .5        | 15        | 25        | 10        | 3.30    | .12    | .41     | 1276      | ND        | .08     | 16        | .05    | 54        | ND        | ND        | ND        | 1         | 18        | ND       | ND       | 145       |
| 21+60S 4+BOW | .8        | 2.45    | ND        | ND        | 135       | ND        | .48     | 2.9       | 10        | 23        | 21        | 2.62    | .12    | .55     | 2952      | ND        | .22     | 19        | .14    | 168       | ND        | ND        | ND        | 1         | 35        | ND       | 7        | 654       |
| 21+60S 5+10W | .7        | 3.15    | ND        | ND        | 77        | 4         | .16     | .8        | 12        | 45        | 12        | 3.66    | .12    | .84     | 1651      | ND        | .08     | 19        | .08    | 39        | ND        | ND        | ND        | 2         | 11        | ND       | 16       | 124       |
| 22+50S BL    | .5        | 1.83    | ND        | ND        | 347       | ND        | .52     | 1.0       | 22        | 19        | 14        | 2.61    | .14    | .38     | 2405      | ND        | .01     | 19        | .10    | 49        | ND        | ND        | ND        | 1         | 41        | ND       | ND       | 154       |
| 22+50S 0+30E | .7        | 2.22    | 3         | ND        | 144       | 3         | .09     | .3        | 15        | 28        | 12        | 3.71    | .14    | .53     | 594       | ND        | .06     | 25        | .12    | 42        | ND        | ND        | ND        | 1         | 15        | ND       | 7        | 141       |
| 22+50S 0+60E | .6        | 2.33    | 3         | ND        | 288       | ND        | .33     | .7        | 53        | 27        | 18        | 3.78    | .15    | .56     | 2516      | ND        | .09     | 32        | .11    | 49        | ND        | ND        | ND        | 1         | 39        | ND       | 7        | 193       |
| 22+50S 0+90E | .4        | 2.70    | ND        | ND        | 126       | ND        | .11     | .6        | 13        | 20        | 14        | 3.07    | .09    | .37     | 809       | 1         | .07     | 25        | .28    | 32        | ND        | ND        | ND        | 1         | 16        | ND       | ND       | 126       |
| 22+50S 1+20E | .5        | 1.94    | 4         | ND        | 131       | ND        | .30     | .6        | 15        | 22        | 15        | 3.45    | .13    | .47     | 888       | ND        | .08     | 22        | .19    | 38        | ND        | ND        | ND        | 1         | 40        | MD       | 5        | 136       |
| 22+50S 1+50E | .5        | 2.53    | 3         | ND        | 172       | 5         | .16     | .5        | 29        | 24        | 15        | 3.81    | .13    | .53     | 2009      | ND        | .11     | 25        | .13    | 49        | ND        | ND        | ND        | 2         | 22        | MD       | 9        | 221       |
| 22+50S 1+80E | .7        | 3.37    | ND        | ND        | 93        | 3         | .05     | .5        | 15        | 28        | 15        | 3.85    | .13    | .49     | 452       | 1         | .07     | 25        | .06    | 44        | ND        | ND        | ND        | 2         | 10        | ND       | 10       | 124       |
| 22+50S 2+10E | .6        | 2.10    | 4         | ND        | 55        | ND        | .06     | .2        | 8         | 26        | 12        | 4.65    | .12    | .39     | 289       | 1         | .07     | 18        | .09    | 33        | ND        | ND        | ND        | 2         | 10        | ND       | 4        | 61        |
| 22+50S 2+40E | .5        | 2.20    | 9         | ND        | 63        | 3         | .03     | .3        | 16        | 27        | 22        | 3.60    | .12    | .47     | 1102      | 1         | .06     | 27        | .08    | 45        | ND        | ND        | ND        | 1         | 9         | ND       | 7        | 100       |
| 22+50S 2+70E | .5        | 2.02    | 8         | ND        | 69        | ND        | .05     | .5        | 12        | 24        | 20        | 3.18    | .10    | .42     | 1018      | 1         | .04     | 23        | .07    | 40        | ND        | ND        | ND        | 1         | 12        | ND       | ND       | 79        |
| 22+50S 3+00E | .6        | 2.31    | ND        | ND        | 88        | ND        | .05     | .6        | 20        | 23        | 24        | 3.01    | .11    | .36     | 1746      | 1         | .02     | 27        | .07    | 48        | ND        | ND        | ND        | 1         | 12        | ND       | ND       | 74        |
| 22+50S 3+30E | .6        | 1.30    | 3         | ND        | 69        | ND        | .04     | .3        | 4         | 17        | 8         | 2.76    | .08    | .20     | 141       | 1         | .03     | 10        | .03    | 28        | ND        | ND        | ND        | 3         | 1         | 9        | ND       | 37        |
| 22+50S 3+60E | .5        | 1.97    | ND        | ND        | 88        | ND        | .09     | .4        | 7         | 16        | 13        | 2.25    | .07    | .27     | 893       | 1         | .04     | 12        | .12    | 28        | ND        | ND        | ND        | 1         | 13        | ND       | ND       | 70        |
| 22+50S 3+90E | .9        | 1.10    | ND        | ND        | 50        | ND        | .04     | .3        | 5         | 12        | 8         | 2.08    | .06    | .11     | 112       | 1         | .02     | 6         | .03    | 29        | ND        | ND        | ND        | 3         | 2         | 6        | ND       | 42        |
| 22+50S 4+20E | .6        | 1.95    | ND        | ND        | 76        | ND        | .04     | .4        | 5         | 17        | 11        | 2.67    | .08    | .21     | 491       | 1         | .04     | 9         | .05    | 43        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 59        |
| 22+50S 4+50E | .7        | 1.63    | ND        | ND        | 47        | ND        | .04     | .3        | 5         | 21        | 10        | 3.01    | .09    | .25     | 173       | 2         | .04     | 10        | .04    | 34        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 49        |
| 22+50S 4+80E | .8        | 3.30    | ND        | ND        | 86        | ND        | .05     | .4        | 9         | 19        | 17        | 2.88    | .08    | .32     | 565       | 1         | .06     | 15        | .07    | 31        | ND        | ND        | ND        | 2         | 9         | ND       | ND       | 107       |
| 22+50S 5+10E | .6        | 3.04    | ND        | ND        | 139       | ND        | .07     | .5        | 9         | 15        | 16        | 2.57    | .07    | .27     | 1895      | 1         | .06     | 13        | .08    | 23        | ND        | ND        | ND        | 2         | 11        | ND       | 6        | 101       |
| 22+50S 5+40E | .7        | 2.67    | ND        | ND        | 52        | ND        | .03     | .4        | 6         | 19        | 12        | 3.33    | .08    | .29     | 180       | 2         | .06     | 9         | .05    | 26        | ND        | ND        | ND        | 2         | 7         | ND       | ND       | 45        |
| 22+50S 5+70E | .5        | .64     | ND        | ND        | 55        | ND        | .13     | 2.3       | 2         | 8         | 7         | .61     | .04    | .09     | 67        | 1         | .01     | 3         | .05    | 51        | ND        | ND        | ND        | 1         | 16        | ND       | ND       | 48        |
| 22+50S 6+00E | .7        | 2.50    | ND        | ND        | 78        | ND        | .07     | .5        | 4         | 14        | 12        | 1.86    | .07    | .20     | 114       | 2         | .01     | 8         | .06    | 18        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 26        |
| 22+50S 6+30E | 1.7       | 1.71    | ND        | 3         | 422       | 9         | .11     | .7        | 12        | 35        | 13        | 3.68    | .12    | .69     | 311       | 1         | .04     | 25        | .16    | 26        | ND        | ND        | ND        | 4         | 3         | 36       | ND       | 77        |
| 22+50S 6+60E | .8        | 1.16    | ND        | ND        | 195       | 4         | .05     | .5        | 7         | 19        | 12        | 2.32    | .07    | .30     | 321       | 2         | .03     | 12        | .05    | 63        | ND        | ND        | ND        | 2         | 15        | ND       | ND       | 51        |

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| SAMPLE NAME  | A6<br>PPM | AL<br>% | AS<br>PPM | AU<br>PPM | BA<br>PPM | BI<br>PPM | CA<br>% | CD<br>PPM | CO<br>PPM | CR<br>PPM | CU<br>PPM | FE   | K<br>% | MG<br>PPM | MN<br>PPM | MO<br>PPM | NA<br>% | Ni<br>PPM | P<br>PPM | PB<br>PPM | PD<br>PPM | PT<br>PPM | SB<br>PPM | SN<br>PPM | SR<br>PPM | U<br>PPM | W<br>PPM | Zn<br>PPM |    |
|--------------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|------|--------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|----|
| 22+50S 6+90E | .1        | .41     | 6         | ND        | 42        | ND        | .06     | .1        | 3         | 7         | 11        | 1.11 | .01    | .59       | 90        | 1         | .01     | 12        | .02      | 15        | ND        | ND        | ND        | 2         | 5         | 4        | 3        | 31        |    |
| 22+50S 7+20E | .2        | 1.04    | ND        | ND        | 34        | ND        | .02     | .1        | 4         | 14        | 26        | 2.50 | .06    | .21       | 114       | ND        | .04     | 7         | .03      | 19        | ND        | ND        | ND        | 1         | 4         | ND       | ND       | 27        |    |
| 22+50S 7+50E | .4        | 1.77    | ND        | ND        | 73        | ND        | .05     | .5        | 7         | 25        | 16        | 4.51 | .10    | .40       | 236       | 1         | .05     | 13        | .08      | 23        | ND        | ND        | ND        | 1         | 10        | ND       | ND       | 50        |    |
| 22+50S 7+80E | .1        | 1.26    | ND        | ND        | 44        | ND        | .04     | .2        | 1         | 7         | 13        | 1.69 | .02    | .12       | 52        | ND        | .01     | 4         | .10      | 44        | ND        | ND        | ND        | ND        | 7         | ND       | ND       | ND        | 19 |
| 22+50S 8+10E | .1        | 1.32    | 7         | ND        | 68        | ND        | .04     | .5        | 15        | 10        | 13        | 1.48 | .05    | .20       | 391       | 1         | .02     | 7         | .08      | 96        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 38        |    |
| 22+50S 8+40E | .4        | .88     | ND        | ND        | 56        | ND        | .16     | .5        | 3         | 12        | 4         | .99  | .06    | .55       | 99        | ND        | .01     | 8         | .01      | 20        | ND        | ND        | ND        | 1         | 12        | ND       | ND       | 20        |    |
| 22+50S 8+70E | .1        | 3.26    | ND        | ND        | 73        | 5         | .10     | .9        | 10        | 32        | 226       | 4.64 | .14    | 1.52      | 1419      | ND        | .14     | 16        | .10      | 19        | ND        | ND        | ND        | 2         | 12        | ND       | ND       | 61        |    |
| 22+50S 9+00E | .4        | 2.07    | ND        | ND        | 51        | ND        | .04     | .3        | 5         | 15        | 16        | 2.95 | .08    | .23       | 141       | 1         | .05     | 8         | .04      | 21        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 36        |    |
| 22+50S 9+30E | .2        | 3.50    | ND        | ND        | 51        | ND        | .04     | .3        | 4         | 11        | 17        | 1.69 | .05    | .16       | 114       | ND        | .02     | 6         | .06      | 16        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 22        |    |
| 22+50S 9+60E | .3        | .37     | ND        | ND        | 23        | ND        | .02     | .4        | 2         | 6         | 5         | .83  | .04    | .03       | 56        | ND        | .01     | 3         | .01      | 13        | ND        | ND        | ND        | ND        | 4         | MD       | ND       | ND        | 17 |
| 22+50S 9+90E | .3        | .93     | 5         | ND        | 41        | ND        | .03     | .5        | 3         | 11        | 12        | 1.94 | .05    | .18       | 179       | 1         | .03     | 5         | .03      | 14        | ND        | ND        | ND        | ND        | 6         | ND       | ND       | ND        | 26 |
| 22+50S 0+30W | .1        | 1.47    | ND        | ND        | 324       | ND        | .28     | 1.0       | 19        | 19        | 22        | 2.98 | .14    | .37       | 4897      | ND        | .08     | 21        | .11      | 50        | ND        | ND        | ND        | 1         | 23        | ND       | ND       | 159       |    |
| 22+50S 0+60W | .2        | 1.57    | ND        | ND        | 92        | ND        | .06     | .3        | 7         | 17        | 10        | 2.48 | .10    | .29       | 631       | ND        | .04     | 12        | .10      | 31        | ND        | ND        | ND        | 1         | 9         | ND       | ND       | 72        |    |
| 22+50S 0+90W | .2        | 1.12    | 3         | ND        | 49        | ND        | .04     | .5        | 5         | 13        | 8         | 2.06 | .08    | .23       | 302       | ND        | .03     | 8         | .06      | 29        | ND        | ND        | ND        | ND        | 7         | MD       | ND       | ND        | 41 |
| 22+50S 1+20W | .1        | 2.32    | ND        | ND        | 90        | ND        | .13     | .7        | 10        | 22        | 11        | 2.71 | .12    | .51       | 1186      | ND        | .06     | 18        | .12      | 37        | ND        | ND        | ND        | 1         | 13        | ND       | ND       | 116       |    |
| 22+50S 1+50W | .2        | 2.74    | ND        | ND        | 70        | ND        | .09     | .8        | 9         | 26        | 10        | 2.96 | .12    | .74       | 455       | ND        | .06     | 19        | .11      | 39        | ND        | ND        | ND        | 1         | 11        | ND       | 3        | 97        |    |
| 22+50S 1+80W | .1        | 2.89    | ND        | ND        | 96        | ND        | .26     | .9        | 24        | 30        | 23        | 4.12 | .17    | .93       | 1656      | ND        | .10     | 35        | .10      | 47        | ND        | ND        | ND        | 1         | 20        | ND       | 11       | 111       |    |
| 22+50S 2+10W | .3        | 3.42    | ND        | ND        | 69        | ND        | .44     | .9        | 14        | 38        | 15        | 3.42 | .16    | .95       | 871       | ND        | .08     | 21        | .09      | 39        | ND        | ND        | ND        | 1         | 19        | MD       | 9        | 128       |    |
| 22+50S 2+40W | .1        | 2.94    | ND        | ND        | 116       | ND        | .45     | .9        | 14        | 27        | 17        | 4.37 | .20    | .81       | 4285      | ND        | .11     | 21        | .32      | 137       | ND        | ND        | ND        | 1         | 15        | ND       | 5        | 130       |    |
| 22+50S 2+70W | .6        | 1.86    | ND        | ND        | 94        | ND        | .23     | .5        | 9         | 16        | 9         | 3.35 | .11    | .26       | 523       | ND        | .08     | 11        | .06      | 32        | ND        | ND        | ND        | 1         | 14        | ND       | ND       | 96        |    |
| 22+50S 3+00W | .4        | 2.60    | ND        | ND        | 132       | ND        | .23     | .8        | 12        | 18        | 13        | 3.39 | .15    | .39       | 1039      | ND        | .08     | 20        | .13      | 34        | ND        | ND        | ND        | 1         | 18        | ND       | ND       | 111       |    |
| 22+50S 3+30W | .3        | 2.25    | ND        | ND        | 211       | ND        | .13     | .9        | 13        | 17        | 12        | 3.51 | .13    | .27       | 4392      | ND        | .09     | 12        | .20      | 36        | ND        | ND        | ND        | 1         | 14        | ND       | ND       | 112       |    |
| 22+50S 3+60W | .4        | 2.56    | ND        | ND        | 76        | ND        | .08     | .5        | 15        | 20        | 17        | 4.28 | .17    | .53       | 916       | ND        | .09     | 15        | .08      | 29        | ND        | ND        | ND        | 1         | 13        | ND       | 4        | 79        |    |
| 22+50S 3+90W | .4        | 2.59    | ND        | ND        | 79        | 3         | .09     | .3        | 10        | 24        | 16        | 3.45 | .15    | .52       | 636       | 1         | .07     | 15        | .10      | 70        | ND        | ND        | ND        | 1         | 12        | ND       | ND       | 89        |    |
| 22+50S 4+20W | .7        | 2.27    | ND        | ND        | 70        | 3         | .09     | .9        | 14        | 17        | 14        | 2.73 | .13    | .33       | 557       | ND        | .05     | 13        | .09      | 92        | ND        | ND        | ND        | 1         | 12        | ND       | ND       | 84        |    |
| 22+50S 4+50W | .7        | 2.31    | ND        | ND        | 82        | ND        | .30     | 1.3       | 19        | 23        | 21        | 2.49 | .18    | .38       | 2561      | ND        | .05     | 26        | .17      | 127       | ND        | ND        | ND        | 1         | 32        | ND       | ND       | 183       |    |
| 22+50S 4+80W | .7        | 3.24    | ND        | ND        | 151       | ND        | .30     | 1.8       | 15        | 28        | 36        | 3.34 | .17    | .62       | 2551      | ND        | .26     | 24        | .19      | 995       | ND        | ND        | ND        | 1         | 20        | ND       | 12       | 740       |    |
| 22+50S 5+10W | .3        | 3.32    | ND        | ND        | 209       | 5         | .38     | 2.4       | 15        | 43        | 23        | 3.67 | .19    | .88       | 5271      | ND        | .14     | 30        | .21      | 142       | ND        | ND        | ND        | 1         | 18        | ND       | 5        | 316       |    |
| Z3+40S BL    | .2        | 1.85    | ND        | ND        | 170       | ND        | .12     | .6        | 12        | 23        | 13        | 3.21 | .14    | .49       | 2373      | 1         | .08     | 16        | .07      | 43        | ND        | ND        | ND        | 1         | 13        | ND       | ND       | 108       |    |
| Z3+40S 0+30E | .3        | 1.41    | 3         | ND        | 130       | ND        | .42     | .9        | 10        | 13        | 39        | 2.11 | .14    | .29       | 2082      | ND        | .04     | 11        | .06      | 71        | ND        | ND        | ND        | 3         | 22        | 6        | MD       | 96        |    |
| Z3+40S 0+60E | .3        | 2.51    | ND        | ND        | 92        | 3         | .08     | .7        | 10        | 23        | 14        | 3.71 | .16    | .45       | 416       | ND        | .08     | 17        | .06      | 60        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 110       |    |
| Z3+40S 0+90E | .3        | 1.82    | 5         | ND        | 121       | ND        | .26     | .5        | 14        | 24        | 15        | 3.69 | .20    | .51       | 617       | ND        | .08     | 22        | .09      | 58        | ND        | ND        | ND        | 4         | 26        | 4        | ND       | 104       |    |
| Z3+40S 1+20E | .1        | 1.47    | 7         | ND        | 95        | ND        | .34     | 1.0       | 101       | 11        | 10        | 2.32 | .17    | .31       | 1228      | 1         | .01     | 15        | .07      | 87        | ND        | ND        | ND        | 3         | 1         | 37       | 4        | 55        |    |
| Z3+40S 1+50E | .3        | 1.76    | 10        | ND        | 132       | ND        | .18     | 1.1       | 34        | 20        | 21        | 2.79 | .15    | .42       | 749       | ND        | .05     | 22        | .07      | 111       | ND        | ND        | ND        | 4         | 1         | 20       | ND       | 104       |    |
| Z3+40S 1+80E | .1        | 2.00    | ND        | ND        | 101       | ND        | .08     | .7        | 56        | 19        | 59        | 2.66 | .04    | .35       | 706       | 1         | .03     | 24        | .07      | 54        | ND        | ND        | ND        | 1         | 13        | ND       | ND       | 75        |    |
| Z3+40S 2+10E | .1        | 2.31    | 5         | ND        | 96        | ND        | .07     | .6        | 17        | 30        | 27        | 4.13 | .09    | .59       | 638       | 1         | .08     | 30        | .06      | 46        | ND        | ND        | ND        | 1         | 14        | ND       | ND       | 120       |    |
| Z3+40S 2+40E | .1        | 1.87    | 6         | ND        | 82        | ND        | .07     | .6        | 20        | 25        | 28        | 3.44 | .08    | .44       | 1827      | 1         | .05     | 25        | .09      | 70        | ND        | ND        | ND        | 1         | 11        | ND       | ND       | 97        |    |
| Z3+40S 2+70E | .1        | 3.25    | ND        | ND        | 47        | ND        | .03     | .3        | 9         | 26        | 31        | 3.63 | .05    | .42       | 301       | 1         | .06     | 24        | .06      | 36        | ND        | ND        | ND        | 1         | 8         | ND       | 6        | 78        |    |
| Z3+40S 3+00E | .1        | 1.00    | 3         | ND        | 41        | ND        | .04     | .5        | 4         | 16        | 16        | 2.33 | .01    | .18       | 337       | 1         | .02     | 10        | .04      | 41        | ND        | ND        | ND        | ND        | 8         | ND       | ND       | 45        |    |

| SAMPLE NAME  | AG<br>PPM | AL<br>I | AS<br>PPM | AU<br>PPM | BA<br>PPM | BI<br>PPM | CA<br>I | CD<br>PPM | CU<br>PPM | CR<br>PPM | CU<br>PPM | FE<br>I | K<br>I | Mg<br>I | Mn<br>PPM | Mo<br>PPM | Na<br>I | Ni<br>PPM | P<br>I | Pb<br>PPM | Pd<br>PPM | Pt<br>PPM | Sb<br>PPM | Sn<br>PPM | Sk<br>PPM | U<br>PPM | W<br>PPM | Zn<br>PPM |     |
|--------------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|-----------|-----------|---------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|-----|
| 23+40S 3+30E | .1        | 1.47    | ND        | ND        | 57        | ND        | .03     | .2        | 3         | 13        | 11        | 2.05    | .01    | .15     | 151       | 1         | .02     | 7         | .03    | 27        | ND        | ND        | ND        | 1         | 6         | ND       | ND       | 29        |     |
| 23+40S 3+60E | .1        | 2.42    | ND        | ND        | 73        | ND        | .03     | .3        | 5         | 17        | 19        | 2.54    | .01    | .28     | 390       | 1         | .04     | 9         | .08    | 31        | ND        | ND        | ND        | 1         | 7         | ND       | ND       | 53        |     |
| 23+40S 3+90E | .1        | 2.00    | ND        | ND        | 78        | ND        | .03     | .4        | 6         | 15        | 18        | 2.48    | .01    | .23     | 327       | 1         | .04     | 9         | .04    | 35        | ND        | ND        | ND        | 1         | 8         | ND       | ND       | 58        |     |
| 23+40S 4+20E | .1        | .66     | ND        | ND        | 70        | ND        | .06     | .9        | 3         | 9         | 16        | 1.27    | .01    | .08     | 668       | 1         | .02     | 6         | .02    | 50        | ND        | ND        | ND        | 3         | 1         | 10       | ND       | ND        | 52  |
| 23+40S 4+50E | .1        | 2.49    | ND        | ND        | 65        | ND        | .04     | .4        | 6         | 17        | 18        | 2.62    | .02    | .27     | 340       | 1         | .05     | 11        | .05    | 39        | ND        | ND        | ND        | ND        | 2         | 8        | ND       | ND        | 82  |
| 23+40S 4+80E | .3        | 1.51    | 12        | ND        | 38        | ND        | .05     | .4        | 5         | 13        | 16        | 2.83    | .01    | .15     | 158       | 1         | .05     | 7         | .06    | 50        | ND        | ND        | ND        | 3         | 2         | 7        | ND       | ND        | 56  |
| 23+40S 5+10E | .1        | 2.70    | ND        | ND        | 67        | ND        | .04     | .6        | 4         | 12        | 17        | 2.48    | .01    | .11     | 224       | 1         | .04     | 5         | .05    | 34        | ND        | ND        | ND        | ND        | 2         | 6        | ND       | ND        | 36  |
| 23+40S 5+40E | .1        | .94     | ND        | ND        | 52        | ND        | .03     | .3        | 4         | 12        | 15        | 1.75    | .01    | .11     | 116       | 1         | .01     | 6         | .02    | 20        | ND        | ND        | ND        | ND        | 1         | 6        | ND       | ND        | 38  |
| 23+40S 5+70E | .1        | 1.98    | ND        | ND        | 56        | ND        | .03     | .2        | 3         | 12        | 13        | 2.01    | .01    | .12     | 182       | 1         | .03     | 4         | .03    | 19        | ND        | ND        | ND        | ND        | 1         | 5        | ND       | ND        | 30  |
| 23+40S 6+00E | .1        | 2.27    | ND        | ND        | 38        | ND        | .04     | .4        | 2         | 11        | 21        | 1.22    | .01    | .16     | 69        | ND        | .01     | 6         | .05    | 33        | ND        | ND        | ND        | ND        | 1         | 6        | ND       | ND        | 25  |
| 23+40S 6+30E | .1        | .85     | ND        | ND        | 41        | ND        | .03     | .3        | 2         | 10        | 7         | 1.02    | .01    | .11     | 72        | ND        | .01     | 3         | .02    | 27        | ND        | ND        | ND        | ND        | 1         | 7        | ND       | ND        | 28  |
| 23+40S 6+60E | .1        | .83     | 3         | ND        | 113       | ND        | .06     | .5        | 5         | 15        | 15        | 1.93    | .01    | .14     | 325       | 1         | .02     | 9         | .04    | 44        | ND        | ND        | ND        | 3         | 1         | 10       | ND       | ND        | 54  |
| 23+40S 6+90E | 1.4       | 2.31    | ND        | ND        | 792       | 16        | .34     | .9        | 22        | 64        | 27        | 4.62    | .18    | 1.39    | 1068      | 1         | .07     | 53        | .17    | 38        | ND        | ND        | ND        | 3         | 4         | 68       | ND       | 17        | 125 |
| 23+40S 7+20E | .1        | .90     | ND        | ND        | 150       | ND        | .09     | .7        | 5         | 9         | 13        | 1.20    | .01    | .11     | 93        | 1         | .01     | 8         | .04    | 131       | ND        | ND        | ND        | 3         | 1         | 15       | ND       | ND        | 40  |
| 23+40S 7+50E | .1        | 1.59    | ND        | ND        | 114       | ND        | .17     | 1.1       | 18        | 12        | 14        | 1.54    | .01    | .24     | 2044      | 3         | .02     | 9         | .12    | 41        | ND        | ND        | ND        | ND        | 1         | 29       | ND       | ND        | 48  |
| 23+40S 7+80E | .1        | 2.25    | ND        | ND        | 64        | ND        | .05     | .8        | 6         | 16        | 19        | 2.57    | .01    | .24     | 237       | 1         | .04     | 11        | .06    | 27        | ND        | ND        | ND        | ND        | 1         | 11       | ND       | ND        | 44  |
| 23+40S 8+10E | .1        | 1.64    | ND        | ND        | 55        | ND        | .03     | .8        | 3         | 13        | 16        | 1.98    | .01    | .19     | 105       | 1         | .02     | 8         | .09    | 24        | ND        | ND        | ND        | ND        | 1         | 7        | ND       | ND        | 26  |
| 23+40S 8+40E | .1        | 1.51    | ND        | ND        | 44        | ND        | .03     | .2        | 4         | 17        | 13        | 2.15    | .01    | .42     | 341       | ND        | .04     | 8         | .06    | 16        | ND        | ND        | ND        | ND        | 1         | 5        | ND       | ND        | 39  |
| 23+40S 8+70E | .1        | 1.61    | 6         | ND        | 38        | ND        | .04     | .5        | 5         | 18        | 13        | 2.73    | .01    | .34     | 179       | 1         | .05     | 11        | .04    | 20        | ND        | ND        | ND        | ND        | 1         | 8        | ND       | ND        | 44  |
| 23+40S 9+00E | .1        | 2.92    | ND        | ND        | 47        | ND        | .04     | .3        | 2         | 9         | 17        | 1.31    | .01    | .12     | 92        | ND        | .01     | 11        | .08    | 12        | ND        | ND        | ND        | ND        | 1         | 5        | ND       | ND        | 18  |
| 23+40S 9+30E | .1        | 4.73    | ND        | ND        | 45        | ND        | .08     | .3        | 5         | 8         | 13        | 1.96    | .01    | .13     | 220       | ND        | .04     | 8         | .07    | 14        | ND        | ND        | ND        | ND        | 2         | 6        | ND       | ND        | 41  |
| 23+40S 0+30W | .1        | 1.77    | 5         | ND        | 144       | ND        | .18     | 1.2       | 12        | 22        | 19        | 2.71    | .05    | .45     | 2274      | ND        | .08     | 15        | .12    | 56        | ND        | ND        | ND        | ND        | 1         | 16       | ND       | ND        | 110 |
| 23+40S 0+60W | .1        | 1.99    | ND        | ND        | 59        | ND        | .06     | .2        | 8         | 18        | 13        | 2.47    | .02    | .37     | 1481      | ND        | .05     | 11        | .16    | 28        | ND        | ND        | ND        | ND        | 1         | 7        | ND       | ND        | 66  |
| 23+40S 0+90W | .1        | 2.73    | ND        | ND        | 66        | ND        | .34     | .5        | 11        | 25        | 13        | 2.85    | .09    | .68     | 1404      | ND        | .05     | 19        | .11    | 34        | ND        | ND        | ND        | ND        | 1         | 14       | ND       | ND        | 98  |
| 23+40S 1+20W | .1        | 2.35    | ND        | ND        | 66        | ND        | .09     | .3        | 9         | 24        | 13        | 3.03    | .06    | .59     | 759       | ND        | .06     | 18        | .10    | 33        | ND        | ND        | ND        | ND        | 1         | 10       | ND       | ND        | 84  |
| 23+40S 1+50W | .1        | 3.09    | ND        | ND        | 89        | ND        | .06     | .7        | 14        | 26        | 14        | 3.04    | .08    | .61     | 606       | ND        | .05     | 22        | .06    | 32        | ND        | ND        | ND        | ND        | 1         | 11       | ND       | ND        | 87  |
| 23+40S 1+80W | .1        | 2.32    | ND        | ND        | 101       | ND        | .23     | .6        | 12        | 29        | 11        | 3.17    | .07    | .67     | 1218      | ND        | .07     | 20        | .07    | 33        | ND        | ND        | ND        | ND        | 1         | 13       | ND       | ND        | 107 |
| 23+40S 2+10W | .1        | 2.67    | ND        | ND        | 64        | ND        | 6.09    | .6        | 10        | 28        | 14        | 2.59    | .22    | 1.39    | 1401      | ND        | .07     | 22        | .19    | 44        | ND        | ND        | ND        | ND        | 1         | 71       | ND       | 4         | 102 |
| 23+40S 2+40W | .1        | 3.82    | ND        | ND        | 71        | ND        | .34     | .5        | 17        | 47        | 16        | 4.19    | .14    | 1.08    | 1206      | ND        | .09     | 28        | .11    | 42        | ND        | ND        | ND        | ND        | 2         | 17       | ND       | 17        | 119 |
| 23+40S 2+70W | .1        | 1.97    | ND        | ND        | 145       | ND        | 1.17    | 1.0       | 9         | 21        | 23        | 2.65    | .12    | .52     | 4496      | ND        | .05     | 14        | .13    | 50        | ND        | ND        | ND        | ND        | 1         | 37       | 7        | ND        | 85  |
| 23+40S 3+00W | .1        | 2.00    | ND        | ND        | 162       | ND        | .10     | .6        | 9         | 17        | 14        | 2.93    | .06    | .37     | 2447      | ND        | .08     | 13        | .10    | 34        | ND        | ND        | ND        | ND        | 1         | 11       | ND       | ND        | 132 |
| 23+40S 3+30W | .1        | 2.39    | ND        | ND        | 74        | ND        | .09     | .5        | 9         | 20        | 16        | 3.88    | .09    | .38     | 498       | ND        | .08     | 12        | .09    | 22        | ND        | ND        | ND        | ND        | 1         | 10       | ND       | ND        | 74  |
| 23+40S 3+60W | .1        | 1.43    | ND        | ND        | 89        | ND        | .09     | .5        | 7         | 19        | 12        | 3.80    | .06    | .27     | 642       | ND        | .07     | 10        | .07    | 25        | ND        | ND        | ND        | ND        | 1         | 11       | ND       | ND        | 52  |
| 23+40S 3+90W | .1        | 2.23    | ND        | ND        | 75        | ND        | .11     | .4        | 10        | 20        | 12        | 3.58    | .07    | .46     | 883       | ND        | .07     | 13        | .07    | 42        | ND        | ND        | ND        | ND        | 1         | 11       | ND       | 3         | 79  |
| 23+40S 4+20W | .1        | 2.61    | ND        | ND        | 85        | ND        | .09     | .3        | 13        | 22        | 15        | 3.27    | .09    | .46     | 651       | ND        | .07     | 19        | .08    | 49        | ND        | ND        | ND        | ND        | 1         | 12       | ND       | 3         | 107 |
| 23+40S 4+50W | .1        | 2.66    | ND        | ND        | 93        | ND        | .09     | .5        | 10        | 21        | 17        | 3.08    | .09    | .42     | 707       | ND        | .05     | 17        | .12    | 51        | ND        | ND        | ND        | ND        | 1         | 11       | ND       | ND        | 90  |
| 23+40S 4+80W | .1        | 2.30    | ND        | ND        | 226       | 3         | .17     | .6        | 11        | 23        | 18        | 3.15    | .07    | .42     | 2538      | ND        | .10     | 17        | .18    | 57        | ND        | ND        | ND        | ND        | 1         | 13       | ND       | ND        | 207 |
| 23+40S 5+10W | .1        | 2.49    | ND        | ND        | 205       | ND        | 1.86    | 1.2       | 10        | 24        | 16        | 3.25    | .18    | .63     | 5114      | ND        | .08     | 18        | .19    | 69        | ND        | ND        | ND        | ND        | 1         | 38       | ND       | ND        | 149 |
| 24+30S BL    | .1        | 1.93    | ND        | ND        | 125       | 3         | .29     | .6        | 10        | 22        | 14        | 2.68    | .07    | .50     | 492       | ND        | .03     | 17        | .04    | 33        | ND        | ND        | ND        | ND        | 1         | 22       | ND       | ND        | 74  |

| SAMPLE NAME  | A6<br>PPM | AL<br>% | AS<br>PPM | AU<br>PPM | BA<br>PPM | BI<br>PPM | CA<br>PPM | CD<br>PPM | CO<br>PPM | CR<br>PPM | CU<br>PPM | FE<br>% | K<br>% | MG<br>% | MN<br>PPM | MO<br>PPM | NS<br>% | Ni<br>PPM | P<br>% | PB<br>PPM | PD<br>PPM | PT<br>PPM | S8<br>PPM | \$H<br>PPM | SR<br>PPM | U<br>PPM | V<br>PPM | Zn<br>PPM |
|--------------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|--------|---------|-----------|-----------|---------|-----------|--------|-----------|-----------|-----------|-----------|------------|-----------|----------|----------|-----------|
| 24+30S 0+30E | .2        | 2.11    | ND        | ND        | 54        | ND        | .05       | .5        | 5         | 13        | 14        | 2.59    | .05    | .20     | 495       | 1         | .05     | 7         | .07    | 33        | ND        | ND        | ND        | 1          | 6         | ND       | ND       | 45        |
| 24+30S 0+60E | .3        | 1.23    | 8         | ND        | 138       | ND        | .18       | .6        | 10        | 17        | 17        | 2.81    | .09    | .32     | 1373      | 1         | .05     | 14        | .06    | 49        | ND        | ND        | ND        | 1          | 19        | ND       | ND       | 84        |
| 24+30S 0+90E | .2        | 1.76    | 3         | ND        | 128       | ND        | .31       | 1.1       | 67        | 12        | 23        | 2.40    | .08    | .21     | 3241      | 2         | .04     | 11        | .11    | 119       | ND        | ND        | ND        | 1          | 30        | ND       | ND       | 64        |
| 24+30S 1+20E | .1        | 2.29    | ND        | ND        | 98        | ND        | .14       | 1.0       | 51        | 20        | 33        | 2.93    | .10    | .35     | 3083      | 1         | .06     | 22        | .15    | 86        | ND        | ND        | ND        | 1          | 16        | ND       | ND       | 105       |
| 24+30S 1+50E | .2        | 1.21    | ND        | ND        | 77        | ND        | .08       | .3        | 6         | 15        | 10        | 1.71    | .06    | .19     | 208       | 1         | .01     | 8         | .03    | 42        | ND        | ND        | ND        | 1          | 10        | ND       | ND       | 41        |
| 24+30S 1+80E | .1        | 1.23    | 3         | ND        | 68        | ND        | .03       | .6        | 6         | 20        | 19        | 2.94    | .09    | .37     | 249       | 1         | .03     | 14        | .04    | 41        | ND        | ND        | ND        | 1          | 11        | ND       | ND       | 47        |
| 24+30S 2+10E | .1        | 2.27    | 3         | ND        | 71        | ND        | .05       | .4        | 21        | 25        | 22        | 3.51    | .10    | .49     | 1628      | 1         | .07     | 23        | .09    | 41        | ND        | ND        | ND        | 1          | 9         | ND       | ND       | 110       |
| 24+30S 2+40E | .1        | 2.85    | 3         | ND        | 70        | ND        | .03       | .4        | 14        | 28        | 28        | 3.96    | .11    | .53     | 597       | 1         | .07     | 28        | .06    | 52        | ND        | ND        | ND        | 1          | 9         | ND       | ND       | 118       |
| 24+30S 2+70E | .1        | 1.60    | 4         | ND        | 75        | ND        | .06       | .5        | 14        | 23        | 24        | 3.31    | .10    | .39     | 1020      | 1         | .05     | 20        | .07    | 29        | ND        | ND        | ND        | 1          | 12        | ND       | ND       | 84        |
| 24+30S 3+00E | .1        | 1.49    | 3         | ND        | 57        | ND        | .04       | .3        | 11        | 18        | 22        | 2.78    | .09    | .33     | 1248      | 1         | .03     | 14        | .10    | 39        | ND        | ND        | ND        | 1          | 8         | ND       | ND       | 56        |
| 24+30S 3+30E | .1        | 2.07    | ND        | ND        | 40        | ND        | .04       | .3        | 7         | 13        | 19        | 2.12    | .05    | .25     | 1505      | 1         | .04     | 9         | .09    | 48        | ND        | ND        | ND        | 1          | 7         | ND       | ND       | 63        |
| 24+30S 3+60E | .4        | 2.91    | ND        | ND        | 59        | ND        | .05       | .4        | 9         | 23        | 21        | 3.69    | .09    | .38     | 409       | 1         | .08     | 16        | .07    | 95        | ND        | ND        | ND        | 1          | 9         | ND       | ND       | 96        |
| 24+30S 3+90E | .6        | 3.89    | ND        | ND        | 68        | ND        | .04       | .3        | 8         | 18        | 23        | 2.98    | .07    | .23     | 470       | 1         | .06     | 11        | .05    | 45        | ND        | ND        | ND        | 2          | 8         | ND       | ND       | 83        |
| 24+30S 4+20E | .2        | 2.47    | ND        | ND        | 74        | ND        | .06       | .4        | 8         | 19        | 21        | 3.04    | .08    | .32     | 770       | 1         | .07     | 15        | .06    | 49        | ND        | ND        | ND        | 1          | 10        | ND       | ND       | 118       |
| 24+30S 4+50E | .2        | 2.46    | ND        | ND        | 88        | ND        | .05       | .5        | 9         | 13        | 14        | 2.48    | .06    | .23     | 2627      | 1         | .06     | 11        | .07    | 36        | ND        | ND        | ND        | 1          | 7         | ND       | ND       | 109       |
| 24+30S 4+80E | 1.4       | 1.65    | ND        | ND        | 151       | ND        | .13       | 2.2       | 10        | 13        | 24        | 2.52    | .07    | .19     | 3082      | 1         | .07     | 12        | .06    | 115       | ND        | ND        | ND        | 1          | 15        | ND       | ND       | 149       |
| 24+30S 5+30E | .3        | 1.19    | 7         | ND        | 48        | ND        | .05       | .5        | 5         | 15        | 20        | 2.23    | .05    | .16     | 271       | 1         | .04     | 7         | .05    | 246       | ND        | ND        | ND        | 1          | 11        | ND       | ND       | 65        |
| 24+30S 5+40E | .1        | 2.70    | ND        | ND        | 24        | ND        | .03       | .5        | 1         | 6         | 15        | 1.76    | .02    | .03     | 36        | 1         | .02     | 2         | .04    | 29        | ND        | ND        | ND        | 1          | 4         | ND       | ND       | 11        |
| 24+30S 5+70E | .2        | 1.19    | 5         | ND        | 40        | ND        | .05       | .1        | 4         | 15        | 22        | 2.48    | .05    | .18     | 269       | 1         | .04     | 6         | .09    | 22        | ND        | ND        | ND        | 1          | 7         | ND       | ND       | 37        |
| 24+30S 6+00E | .1        | 1.26    | ND        | ND        | 33        | ND        | .03       | .3        | 4         | 13        | 29        | 2.03    | .04    | .17     | 203       | 1         | .03     | 7         | .07    | 24        | ND        | ND        | ND        | 1          | 6         | ND       | ND       | 33        |
| 24+30S 6+30E | .6        | 1.74    | ND        | ND        | 28        | ND        | .05       | .3        | 5         | 16        | 15        | 3.96    | .07    | .16     | 98        | 2         | .08     | 13        | .04    | 23        | ND        | ND        | ND        | 1          | 7         | ND       | ND       | 29        |
| 24+30S 6+60E | .1        | 1.23    | 6         | ND        | 34        | ND        | .02       | .5        | 3         | 13        | 12        | 1.81    | .04    | .19     | 131       | 1         | .03     | 8         | .08    | 21        | ND        | ND        | ND        | 1          | 4         | ND       | ND       | 39        |
| 24+30S 6+90E | .2        | 1.64    | ND        | ND        | 36        | ND        | .03       | .3        | 5         | 15        | 13        | 2.39    | .05    | .29     | 179       | 1         | .04     | 9         | .06    | 21        | ND        | ND        | ND        | 1          | 6         | ND       | ND       | 43        |
| 24+30S 7+20E | .1        | 2.39    | ND        | ND        | 47        | ND        | .06       | .3        | 7         | 20        | 20        | 2.47    | .06    | .49     | 278       | 1         | .05     | 15        | .11    | 18        | ND        | ND        | ND        | 1          | 9         | ND       | ND       | 56        |
| 24+30S 7+50E | .5        | 1.95    | ND        | ND        | 35        | ND        | .03       | .6        | 5         | 7         | 20        | 1.31    | .02    | .08     | 317       | ND        | .01     | 4         | .08    | 20        | ND        | ND        | ND        | 1          | 3         | ND       | ND       | 18        |
| 24+30S 7+80E | .1        | 1.41    | ND        | ND        | 92        | ND        | .06       | .5        | 12        | 10        | 12        | 1.61    | .03    | .19     | 438       | 1         | .03     | 9         | .08    | 35        | ND        | ND        | ND        | 1          | 11        | ND       | ND       | 36        |
| 24+30S 8+10E | .1        | 2.86    | ND        | ND        | 30        | ND        | .15       | .3        | 6         | 17        | 13        | 1.44    | .05    | .92     | 172       | ND        | .04     | 12        | .09    | 14        | ND        | ND        | ND        | 1          | 11        | ND       | ND       | 46        |
| 24+30S 8+40E | .2        | 1.83    | ND        | ND        | 59        | ND        | .06       | .2        | 12        | 19        | 15        | 2.58    | .07    | .58     | 1230      | 2         | .06     | 9         | .04    | 17        | ND        | ND        | ND        | 1          | 7         | ND       | ND       | 44        |
| 24+30S 8+70E | .2        | 1.02    | ND        | ND        | 27        | ND        | .05       | .4        | 3         | 12        | 19        | 2.20    | .05    | .20     | 154       | 1         | .04     | 6         | .04    | 17        | ND        | ND        | ND        | 1          | 5         | ND       | ND       | 26        |
| 24+30S 9+00E | .1        | 1.49    | ND        | ND        | 49        | ND        | .03       | .3        | 3         | 13        | 18        | 1.53    | .03    | .20     | 161       | 1         | .02     | 6         | .06    | 18        | ND        | ND        | ND        | 1          | 6         | ND       | ND       | 31        |
| 24+30S 0+30W | .1        | 2.63    | ND        | ND        | 62        | ND        | .21       | .3        | 7         | 13        | 18        | 1.90    | .07    | .26     | 863       | ND        | .01     | 12        | .15    | 32        | ND        | ND        | ND        | 1          | 16        | ND       | ND       | 68        |
| 24+30S 0+60W | .1        | 1.89    | ND        | ND        | 77        | ND        | .10       | .3        | 8         | 16        | 12        | 2.17    | .07    | .36     | 892       | 1         | .05     | 10        | .14    | 35        | ND        | ND        | ND        | 10         | ND        | ND       | ND       | 84        |
| 24+30S 0+90W | .1        | 1.65    | ND        | ND        | 49        | ND        | .07       | .4        | 10        | 19        | 14        | 2.32    | .07    | .38     | 1044      | ND        | .05     | 15        | .15    | 30        | ND        | ND        | ND        | 1          | 8         | ND       | ND       | 64        |
| 24+30S 1+20W | .1        | 1.36    | ND        | ND        | 58        | ND        | .17       | .3        | 9         | 22        | 9         | 2.39    | .08    | .43     | 2149      | 1         | .05     | 12        | .08    | 61        | ND        | ND        | ND        | 1          | 11        | ND       | ND       | 65        |
| 24+30S 1+50W | .1        | 2.34    | 5         | ND        | 72        | ND        | 1.27      | .7        | 10        | 24        | 13        | 3.27    | .15    | .05     | 2207      | 1         | .09     | 20        | .24    | 38        | ND        | ND        | ND        | 1          | 29        | ND       | ND       | 1142      |
| 24+30S 1+80W | .1        | 2.49    | ND        | ND        | 83        | ND        | .59       | .5        | 10        | 22        | 10        | 2.60    | .11    | .73     | 1413      | ND        | .06     | 19        | .14    | 38        | ND        | ND        | ND        | 1          | 16        | ND       | ND       | 99        |
| 24+30S 2+10W | .5        | 2.21    | ND        | ND        | 51        | ND        | 2.56      | .9        | 9         | 24        | 9         | 2.24    | .17    | 1.52    | 1239      | ND        | .08     | 20        | .22    | 53        | ND        | ND        | ND        | 1          | 34        | 5        | 8        | 107       |
| 24+30S 2+40W | .4        | 2.15    | ND        | ND        | 53        | ND        | .77       | .6        | 11        | 21        | 11        | 2.26    | .12    | .59     | 1238      | 1         | .05     | 21        | .11    | 31        | ND        | ND        | ND        | 1          | 22        | 5        | ND       | 78        |
| 24+30S 2+70W | .5        | 2.34    | ND        | ND        | 59        | ND        | .24       | .4        | 10        | 29        | 9         | 2.67    | .10    | .77     | 832       | 1         | .07     | 18        | .08    | 35        | ND        | ND        | ND        | 1          | 13        | 5        | ND       | 98        |
| 24+30S 3+00W | .4        | 2.03    | ND        | ND        | 66        | ND        | .17       | .4        | 8         | 19        | 28        | 2.32    | .09    | .58     | 1237      | 1         | .05     | 14        | .09    | 38        | ND        | ND        | ND        | 4          | 6         | ND       | ND       | 62        |
| 24+30S 3+30W | .3        | 1.34    | ND        | ND        | 177       | ND        | .66       | .5        | 7         | 12        | 11        | 2.28    | .11    | .40     | 3251      | ND        | .06     | 7         | .09    | 61        | ND        | ND        | ND        | 3          | 21        | ND       | ND       | 68        |
| 24+30S 3+60W | .5        | 1.46    | ND        | ND        | 96        | ND        | .12       | .3        | 10        | 17        | 11        | 2.91    | .10    | .37     | 621       | 1         | .07     | 14        | .05    | 33        | ND        | ND        | ND        | 5          | 7         | ND       | 4        | 66        |
| 24+30S 3+90W | .2        | 2.10    | ND        | ND        | 81        | ND        | .03       | .2        | 12        | 17        | 13        | 2.93    | .08    | .36     | 813       | 1         | .08     | 13        | .05    | 30        | ND        | ND        | ND        | 1          | 8         | ND       | 5        | 83        |
| 24+30S 4+20W | .3        | 2.21    | ND        | ND        | 64        | ND        | .02       | .2        | 8         | 17        | 13        | 2.86    | .08    | .34     | 273       | ND        | .07     | 11        | .04    | 28        | ND        | ND        | ND        | 1          | 4         | ND       | 4        | 58        |

Itemized Cost Statement

Sheep Creek South Group

Period: September 3 to September 10, 1985

PERSONNEL (Field)

|             |           |        |         |           |
|-------------|-----------|--------|---------|-----------|
| Brian Meyer | Geologist | 4 Days | @ \$200 | \$ 800.00 |
| Bill Day    | Geologist | 2 Days | @ \$200 | \$ 400.00 |
| Jeff Murray | Assistant | 3 Days | @ \$150 | \$ 450.00 |
| Doug Murray | Assistant | 3 Days | @ \$150 | \$ 450.00 |
| Vehicle     |           | 4 Days | @ \$ 40 | \$ 160.00 |
| Food        |           |        |         | \$ 113.27 |
| Fuel, Ect.  |           |        |         | \$ 79.34  |
| Helicopter  |           |        |         | \$ 446.40 |

PERSONNEL (Office)

|                 |           |        |              |                  |
|-----------------|-----------|--------|--------------|------------------|
| Brian Meyer     | Geologist | 2 Days | @ \$150      | \$ 300.00        |
| Analyses        |           |        |              | \$3835.70        |
| Map Preparation |           |        |              | \$ 800.00        |
| Shipping        |           |        |              | \$ 23.80         |
|                 |           |        | <u>TOTAL</u> | <u>\$7858.51</u> |

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, Brian H. Meyer, Professional Geologist, of the City of Nelson, B.C.  
do hereby certify as follows:

1. I am a Professional Geologist registered in the Province of Alberta.
2. I am a graduate of the University of Alberta, year 1979, and have been practicing my profession since that time.
3. I have received no interest either directly or indirectly, nor do I expect to receive any interest in this property.
4. The foregoing report on the SHEEP CREEK SOUTH GROUP is based on field work carried out under my direction and my personal examination of the property, visited between September 3 and September 10, 1985, and from previous related reports, and published material available from government geological departments.

Brian H. Meyer

Brian H. Meyer, P. Geol.

October 23, 1985

