

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

ASSESSMENT REPORT

SOIL GEOCHEMICAL SURVEY ON THE
SURE BET PROPERTY

CRYSTAL 1, SURE BET AND PUP CLAIMS NELSON MINING DIVISION

CRAWFORD BAY, BC

MAP NTS 82 F/10

LATITUDE 49° 37' N

LONGITUDE 116° 50' W

OWNER

BRUCE DOYLE
1424 CREASE ST
NELSON, BC, V1L 1A2

OPERATOR

COMINCO LTD
KOOTENAY EXPLORATION
1051 INDUSTRIAL ROAD 2
CRANBROOK, BC, V1C 4K7

REPORT AUTHOR: P.W. RANSOM

DATE SUBMITTED: FEB. 25, 1996

24351

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS	
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ASSESSMENT REPORT

SOIL GEOCHEMICAL SURVEY ON THE

SURE BET PROPERTY

CRYSTAL 1, SURE BET AND PUP CLAIMS NELSON MINING DIVISION

CRAWFORD BAY, BC

Work Done August 8-10/95

MAP NTS 82 F/10

LATITUDE 49° 37' N

LONGITUDE 116° 50' W

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TABLE OF CONTENTS

	Page
Introduction	2
Objective.....	3
Results	3
Conclusions.....	3
Cost Summary.....	3
Author's Qualifications.....	4

FIGURES

Index Map and Location of Sure Bet property	5
Geology of the area at 1:50,000 Scale.....	6
Detailed plots of :	
Ag and Cu	7
Pb and Zn.....	8
As and Ba.....	9

ATTACHMENTS

Tabulation of Geochemical Data

INTRODUCTION

The work being reported on was done by Cominco Ltd. on the Crystal 1, Pup and Sure Bet claims near Crawford Bay. The property comprises 36 claim units. Crawford Bay is in southeastern BC on Kootenay Lake about 30 km east of Nelson. The claims are partly clear cut logged and partly covered by mature fir and cedar. The claims are on a peninsula of modest relief on the west edge of the Purcell Mountains.

Access to the claims is by logging roads that join the Kootenay Lake Highway at Crawford bay.

Sulphide boulders on Crawford Peninsula have been known to prospectors for a century and their source has been a mystery. The boulders resemble ore that came from the now closed Bluebell Mine at Riondel, 15 km to the north.

Bluebell is a replacement lead - zinc - copper - silver - iron sulphide deposit in the Badshot marble. Bluebell has similarities that allow it to be grouped with vein deposits of Ainsworth and the Slocan area. It is the largest deposit in this grouping and produced more tonnage than all of the other deposits combined. The Badshot also hosts large MVT type lead - zinc - iron sulphide deposits in the Salmo and Duncan areas. Associated with Bluebell and at least one of the Ainsworth mines is the rare mineral knebelite, a manganeseiferous olivine. Knebelite is present in some of the boulders on Crawford Peninsula.

The Badshot marble crosses Crawford Peninsula and is tectonically thickened and repeated in a zone about 1 kilometre wide.

OBJECTIVE

The objective of the work being reported on here was to delineate distribution of various metals and indicator elements in the soils south of where previous sampling had been done.

PROCEDURE

Samples of brown B horizon soils were collected from depths of 10 to 30 cm collected at 50 metre intervals on lines spaced 200 metres apart. The material was placed in Kraft paper bags. The samples were dried before being shipped to the Cominco Exploration Laboratory in Vancouver.

Samples were screened to -80 mesh, 0.5 gram of which was digested in hot aqua regia, then analyzed by ICP.

RESULTS

Analytical results showing 27 elements for each sample are in the attached table. The distributions of elements considered significant to this study (Cu & Ag, Pb & Zn and As and Ba) are shown in plots on pages 7, 8 and 9.

INTERPRETATION

Results for Cu, Ag, As and Ba are inconclusive. A cluster of samples about 0.5 km west of the small lake on the south boundary of the property are highly anomalous in Pb and Zn.

Lack of elevated values in indicator elements, particularly Cu, Ag, As, Sb and Bi is discouraging. These would be expected to be at high levels if close to a deposit of significant size.

CONCLUSIONS

Prospecting is warranted in the vicinity of the Pb - Zn anomalous area, especially where Badshot marble is indicated to be present. The possibility exists that the expected aureole of indicator elements may just not exist or, if these elements exist at high levels in a portion of an undiscovered deposit, that portion is not exposed to be incorporated in the soil profile.

COST SUMMARY

Labour	9 days @ \$120	1080
Supplies	bags, flags, shipping	100
Field Support	Motel 2 nights, meals 3 days	400
Transportation	Truck 3 days @ \$60	180
Analyses	215 @ \$1.50 prep, \$7.00 ICP	1828
Supervision & Reporting	3 days @ 327.5	<u>983</u>
TOTAL		<u>4571</u>

Signed: _____

P. W. Ransom
P.W. Ransom, Project Geologist

COMINCO LTD

EXPLORATION

WESTERN DISTRICT

AUTHOR'S QUALIFICATIONS

As author of this report, I, P.W. Ransom, certify that:

I am a geologist active in minerals exploration.

I am a graduate of McGill University with a degree of Bachelor of Science.

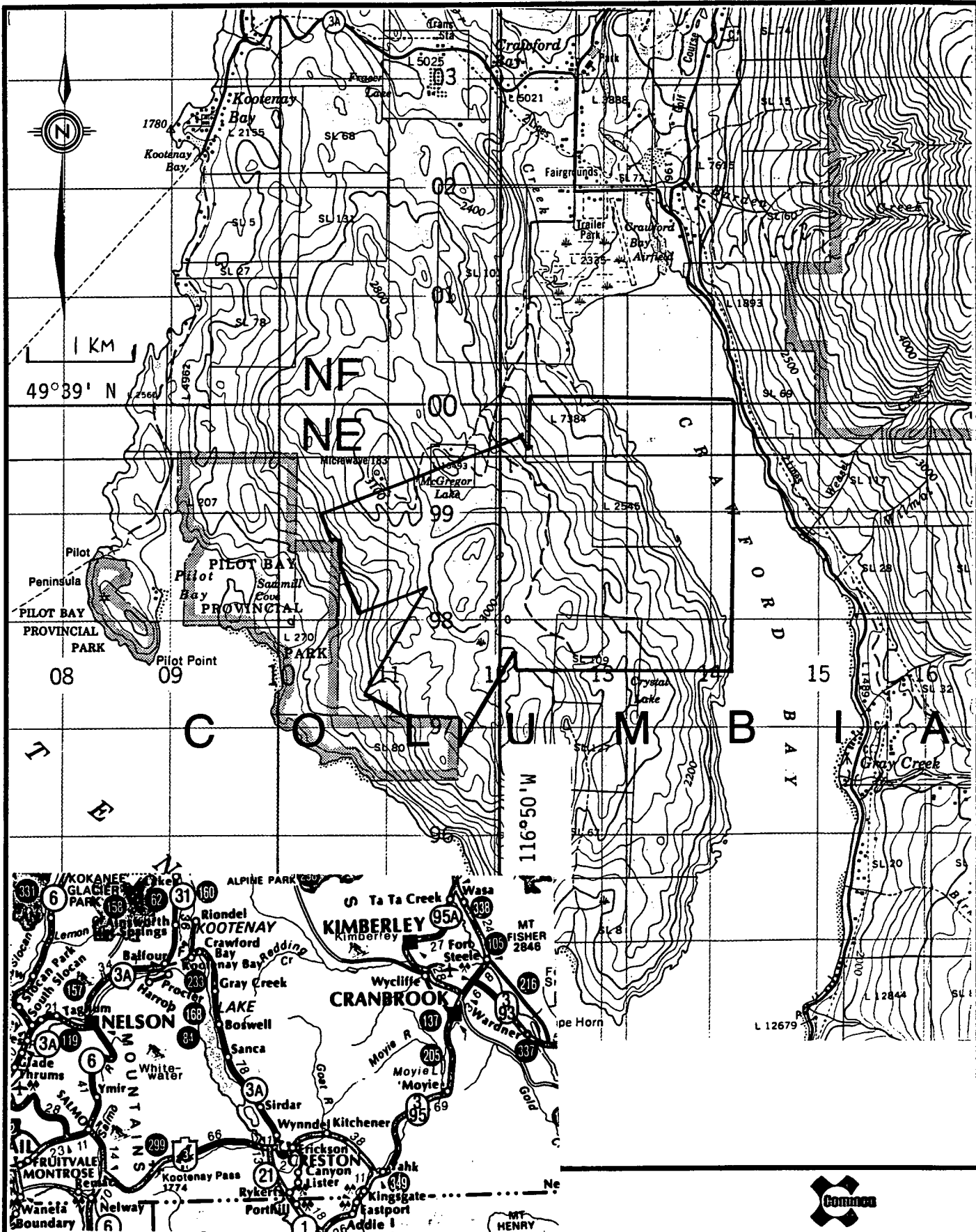
I have been continuously engaged in mining and exploration since 1966.

I am a member of the Geological Association of Canada and of the Canadian Institute of Mining and Metallurgy.

I supervised Cominco Ltd's exploration on the Sure Bet Property in 1995.



P.W. Ransom
Project Geologist



Iss'd To:	Date:

Index Map and

Location of Sure Bet Property

Drawn by:	Scale:	Date:	Plate:
-----------	--------	-------	--------

FF 3

6388

56X3W

256315 JNX16
5261 V&P
22294

May

ay Bay

FF/2

257

6612

JNX4W

120507

209400

Crawford Bay

BURG

NOAH 7
304334

2NX26

202792

McGregor

Crawford

Bay

CRYSTAL 1
334934

SNX46

PILOT BAY

Pilot Pt. PROVINCIAL

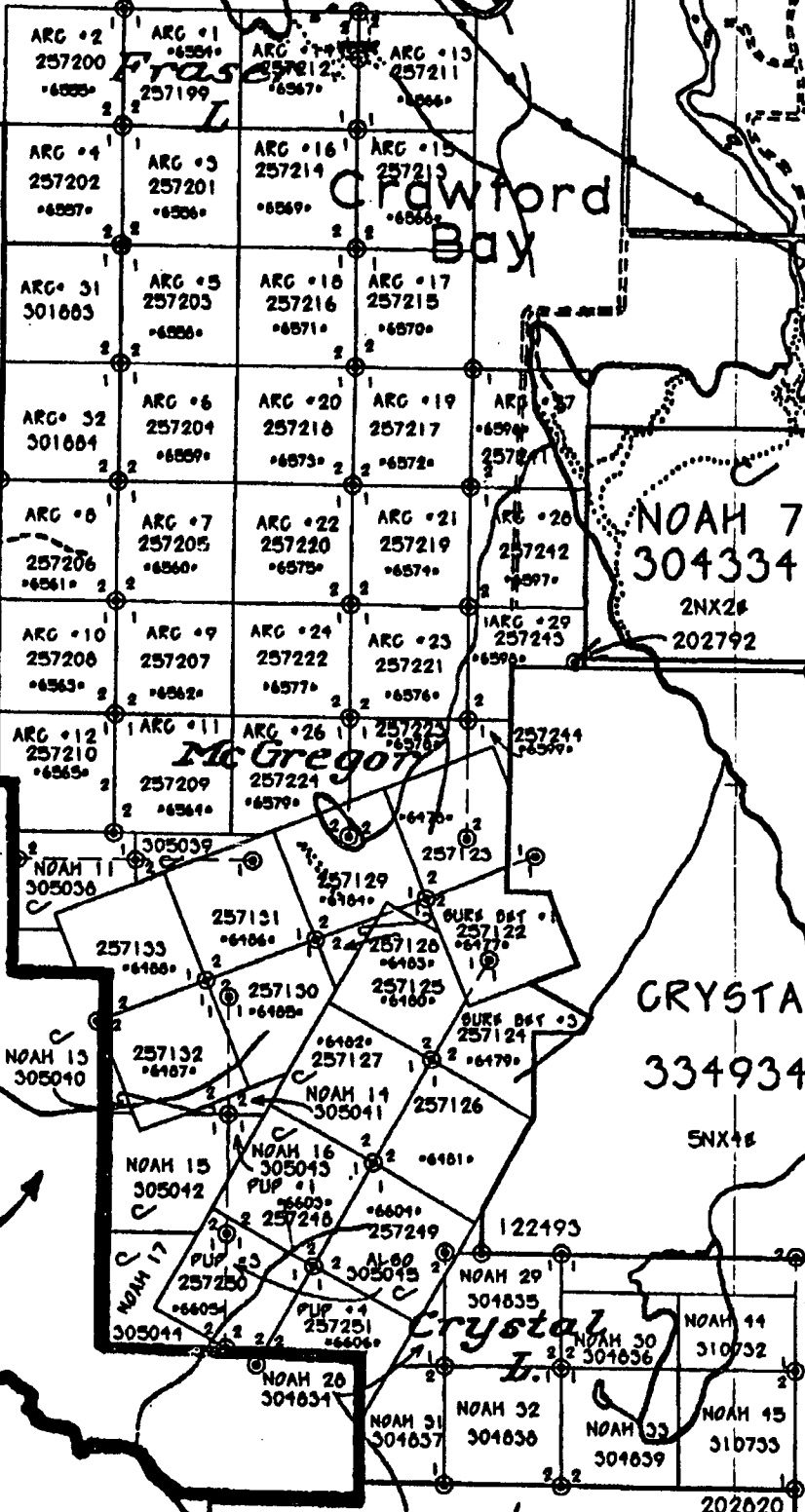
PARK

N
4

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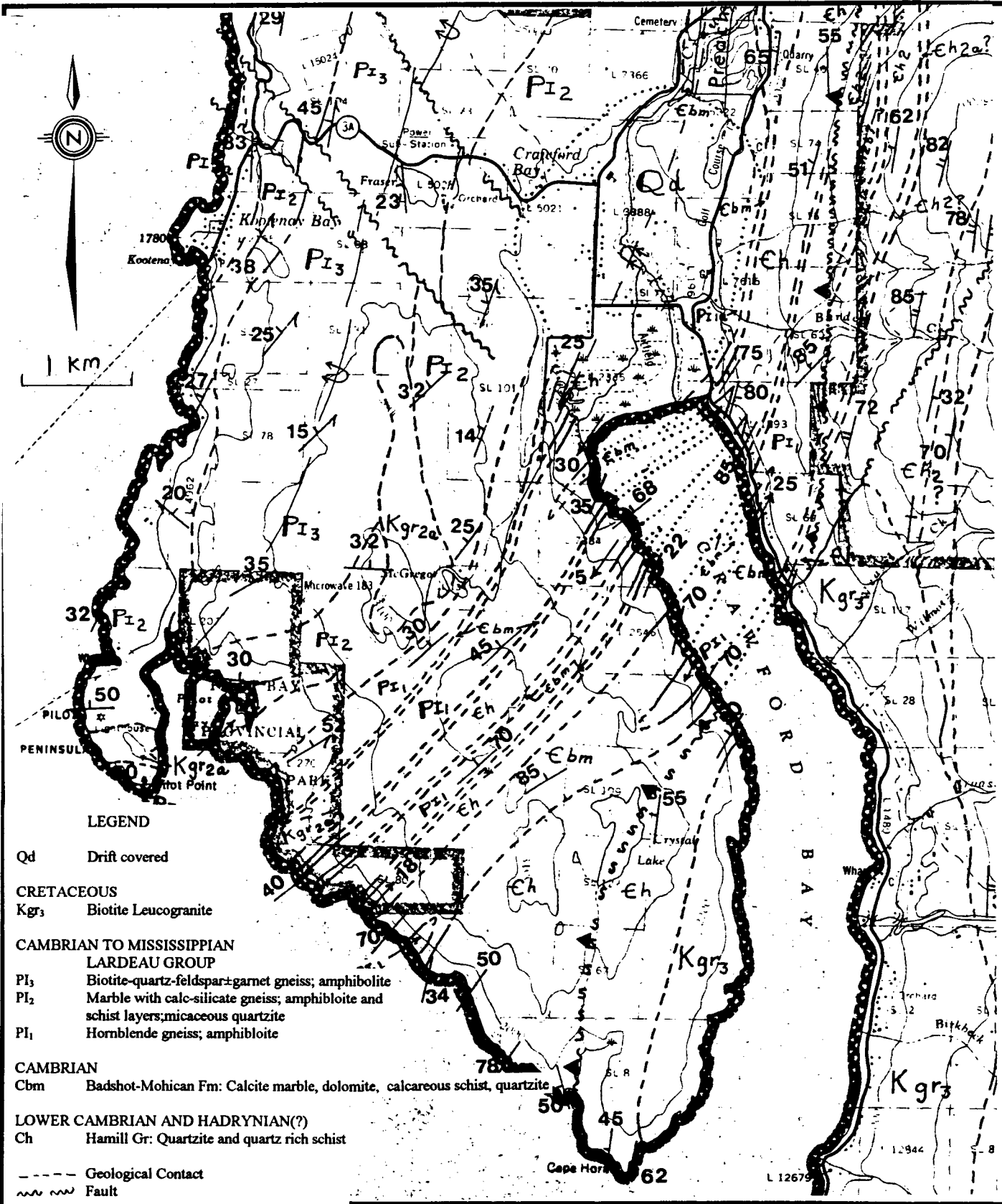
NOAH 46

310729



156

202020



LEGEND

Qd Drift covered

CRETACEOUS
Kgr₃ Biotite Leucogranite

**CAMBRIAN TO MISSISSIPPIAN
LARDEAU GROUP**
P₃ Biotite-quartz-feldspar-garnet gneiss; amphibolite
P₂ Marble with calc-silicate gneiss; amphibolite and schist layers; micaceous quartzite
P₁ Hornblende gneiss; amphibolite

CAMBRIAN
Cbm Badshot-Mohican Fm: Calcite marble, dolomite, calcareous schist, quartzite

LOWER CAMBRIAN AND HADRYNIAN(?)
Ch Hamill Gr: Quartzite and quartz rich schist

----- Geological Contact
~~~~~ Fault

Geology from GSC Open File 929 (1983)  
Nelson Area - East Half, by J.E. Reesor



|           |       |
|-----------|-------|
| Iss'd To: | Date: |
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# Geology of the Crawford Bay Area

|           |        |       |        |
|-----------|--------|-------|--------|
| Drawn by: | Scale: | Date: | Plate: |
|-----------|--------|-------|--------|

7000.0 NORTH

6000.0 NORTH

5000.0 NORTH

1000.0 EAST

2000.0 EAST

3000.0 EAST

4000.0 EAST

5000.0 EAST

|    |      |    |      |       |      |    |      |       |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
|----|------|----|------|-------|------|----|------|-------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|
| 13 | <0.0 | 7  | <0.0 | 17    | <0.0 | 12 | <0.0 | 10    | <0.0 | 53 | <0.0 | 40 | <0.0 | 15 | <0.0 | 16 | <0.0 | 11 | <0.0 | 12 | <0.0 | 31 | <0.0 | 5  | <0.0 | 45 | <0.0 |    |      |
| 19 | <0.0 | 23 | <0.0 | 13    | <0.0 | 20 | +0.6 | 28    | +0.5 | 55 | <0.0 | 19 | <0.0 | 27 | <0.0 | 22 | <0.0 | 13 | <0.0 | 14 | +0.8 | 13 | <0.0 | 13 | <0.0 | 14 | +0.8 | 13 | <0.0 |
| 6  | <0.0 | 30 | <0.0 | 18    | <0.0 | 15 | <0.0 | 10    | -0.4 | 23 | +0.4 | 27 | +1.0 | 4  | <0.0 | 22 | <0.0 | 4  | <0.0 | 35 | <0.0 | 30 | <0.0 | 43 | <0.0 | 69 | <0.0 | 28 | <0.0 |
| 11 | <0.0 | 15 | <0.0 | 24    | <0.0 | 11 | <0.0 | 43    | <0.0 | 9  | -0.5 | 11 | +0.4 | 34 | <0.0 | 8  | <0.0 | 50 | +0.8 | 15 | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 15 | <0.0 | 9  | <0.0 | 8     | <0.0 | 21 | <0.0 | 16    | <0.0 | 27 | <0.0 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 28 | <0.0 | 27 | <0.0 | 9     | <0.0 | 11 | <0.0 | 19    | <0.0 | 32 | <0.0 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 11 | <0.0 | 36 | <0.0 | 15    | <0.0 | 8  | <0.0 | 11    | <0.0 | 12 | <0.0 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 9  | <0.0 | 6  | <0.0 | 0.113 | <0.0 | 22 | <0.0 | 18    | <0.0 | 79 | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 26 | <0.0 | 13 | <0.0 | 13    | <0.0 | 9  | <0.0 | 64    | <0.0 | 79 | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 21 | <0.0 | 10 | <0.0 | 6     | <0.0 | 13 | <0.0 | 58    | <0.0 | 79 | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 8  | <0.0 | 18 | <0.0 | 31    | <0.0 | 5  | <0.0 | 0.193 | <0.0 | 79 | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 11 | <0.0 | 7  | +0.4 | 41    | <0.0 | 22 | <0.0 | 36    | <0.0 | 79 | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 9  | <0.0 | 12 | <0.0 | 14    | <0.0 | 16 | <0.0 | 23    | <0.0 | 79 | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 6  | <0.0 | 10 | <0.0 | 9     | <0.0 | 26 | <0.0 | 15    | <0.0 | 79 | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 |
| 6  | <0.0 | 8  | <0.0 | 6     | <0.0 | 3  | <0.0 | 79    | +0.6 | 15 | +0.5 | 32 | <0.0 | 21 | <0.0 | 64 | <0.0 | 8  | <0.0 | 28 | <0.0 | 87 | <0.0 | 15 | <0.0 | 15 | <0.0 | 15 | <0.0 |


|    |      |    |      |    |      |     |      |    |      |       |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
|----|------|----|------|----|------|-----|------|----|------|-------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|
| 18 | <0.0 | 3  | <0.0 | 6  | <0.0 | 78  | <0.0 | 13 | <0.0 | 13    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 5  | <0.0 | 3  | <0.0 | 9  | <0.0 | 14  | <0.0 | 56 | <0.0 | 13    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 5  | <0.0 | 2  | <0.0 | 6  | <0.0 | 14  | <0.0 | 10 | <0.0 | 13    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 5  | <0.0 | 6  | <0.0 | 6  | <0.0 | 6   | <0.0 | 5  | <0.0 | 13    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 6  | <0.0 | 12 | +0.4 | 9  | <0.0 | 10  | <0.0 | 14 | <0.0 | 13    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 6  | <0.0 | 4  | <0.0 | 13 | <0.0 | 37  | <0.0 | 10 | +0.6 | 9     | +0.7 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 8  | <0.0 | 6  | <0.0 | 8  | <0.0 | 7   | <0.0 | 6  | <0.0 | 9     | +0.7 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 7  | <0.0 | 6  | <0.0 | 26 | <0.0 | 107 | <0.0 | 15 | <0.0 | 27    | +0.5 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 9  | <0.0 | 7  | <0.0 | 9  | <0.0 | 14  | <0.0 | 8  | <0.0 | 7     | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 8  | <0.0 | 8  | +0.5 | 5  | <0.0 | 23  | <0.0 | 18 | <0.0 | 8     | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 6  | <0.0 | 5  | <0.0 | 18 | <0.0 | 8   | <0.0 | 4  | <0.0 | 26    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 6  | <0.0 | 7  | <0.0 | 11 | +2.8 | 28  | +0.7 | 6  | +0.5 | 38    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 19 | <0.0 | 12 | <0.0 | 5  | +0.4 | 12  | +0.6 | 3  | <0.0 | 12    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 31 | <0.0 | 10 | <0.0 | 15 | <0.0 | 17  | <0.0 | 12 | <0.0 | 0.117 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 21 | <0.0 | 30 | +0.5 | 7  | <0.0 | 6   | <0.0 | 17 | <0.0 | 13    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |
| 12 | <0.0 | 14 | <0.0 | 22 | <0.0 | 9   | <0.0 | 5  | <0.0 | 91    | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 | 13 | <0.0 |

CU+AG

Cominco Ltd.  
 400 - 200 Burrard Street  
 Vancouver, BC  
 Canada V6C 3L7

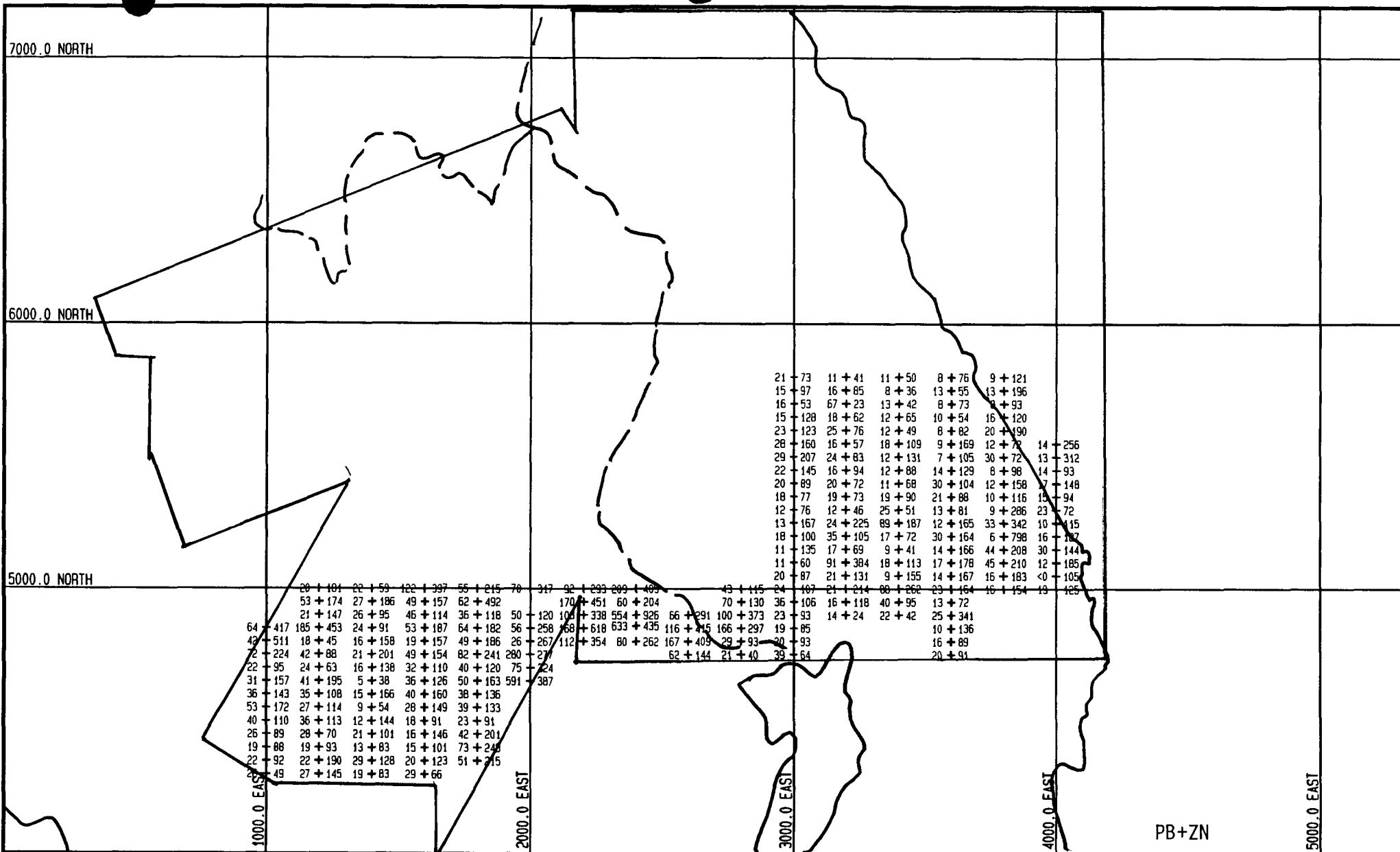
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SCALE (HOR) 1:20000 SCALE (VERT) 1:20000

Software by GEMCOM Services Inc. 

SUREBET PROPERTY, CRAWFORD BAY, B.C.  
 CU AND AG SOIL GEOCHEMISTRY

N  
4



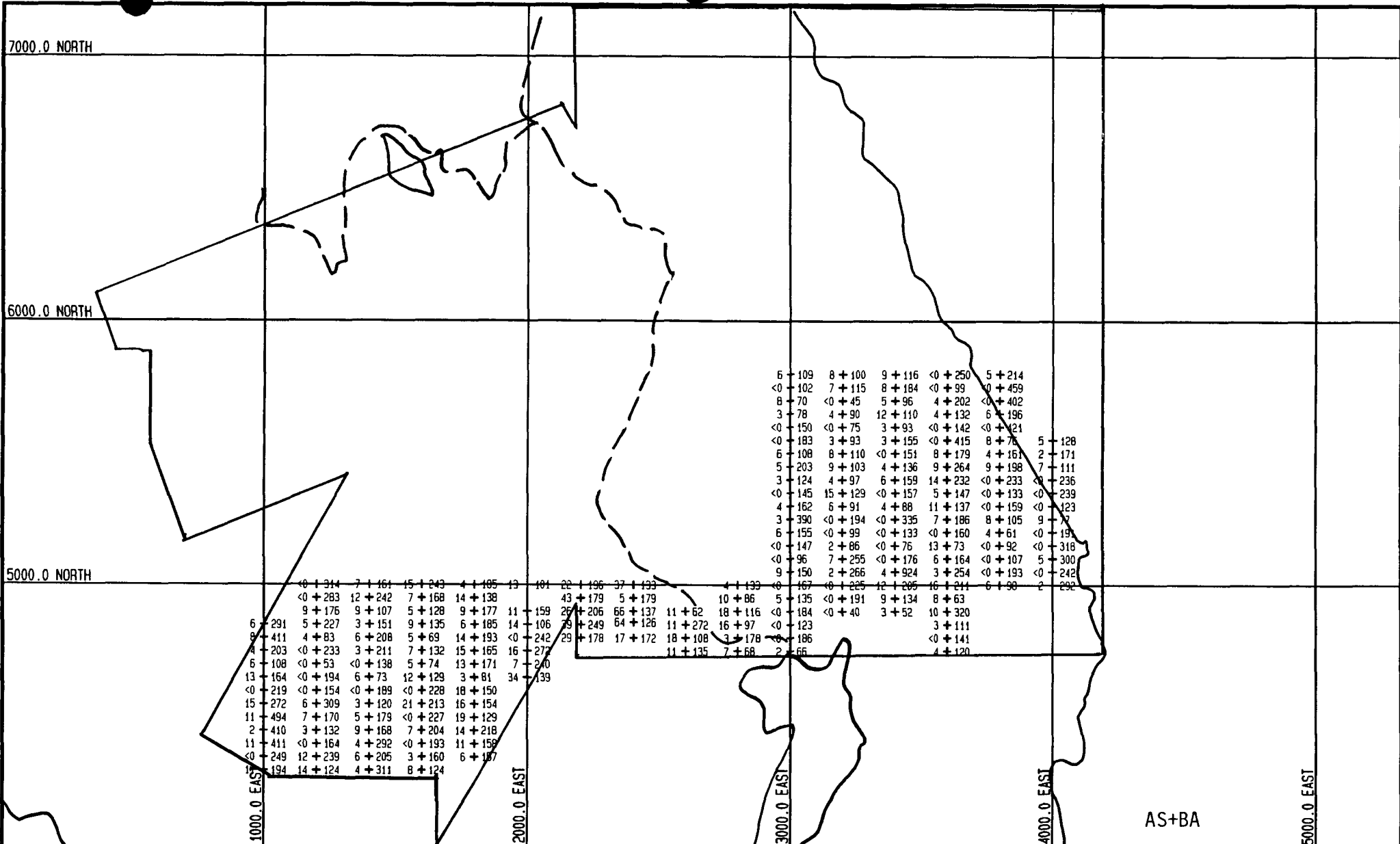
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 400 - 200 Burrard Street  
 Vancouver, BC  
 Canada V6C 3L7

DATE: 02/15/96 TIME: 01:11:03

SCALE (HOR) 1:20000 SCALE (VERT) 1:20000

SUREBET PROPERTY, CRAWFORD BAY, B.C.  
 PB AND ZN SOIL GEOCHEMISTRY





Cominco Ltd.  
 400 - 200 Burrard Street  
 Vancouver, BC  
 Canada V6C 3L7

DATE: 02/15/96 TIME: 01:12:20

SCALE (HOR) 1:20000 SCALE (VERT) 1:20000

N  
4

## SUREBET PROPERTY, CRAWFORD BAY, B.C. AS AND BA SOIL GEOCHEMISTRY

AS+BA

| FIELD NUMBER | Cu ppm | Pb ppm | Zn ppm | Ag ppm | As ppm | Ba ppm | Cd ppm | Co ppm | Ni ppm | Fe % | Mo ppm | Cr ppm | Bi ppm | Sb ppm | V ppm | Sn ppm | W ppm | Sr ppm | Y ppm | La ppm | Mn ppm | Mg % | Ti % | Al % | Ca % | Na % | K % |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|--------|------|------|------|------|------|-----|
| 2400E-4800N  | 32     | 80     | 262    | <.4    | 17     | 172    | <1     | 16     | 42     | 3.80 | <2     | 55     | <5     | 10     | 65    | 7      | <2    | 64     | 9     | 8      | 1035   | 1.70 | .17  | 5.06 | .58  | .04  | .30 |
| 2400E-4859N  | 34     | 633    | 435    | <.4    | 64     | 126    | <1     | 13     | 38     | 2.85 | <2     | 55     | <5     | 7      | 51    | 5      | <2    | 25     | 3     | 6      | 436    | .99  | .12  | 2.78 | .35  | .01  | .14 |
| 2400E-4900N  | 27     | 554    | 926    | 1.0    | 66     | 137    | 2      | 11     | 38     | 2.91 | 2      | 26     | <5     | 6      | 44    | 4      | 3     | 11     | 3     | 4      | 1088   | 1.84 | .12  | 4.50 | .22  | .01  | .07 |
| 2400E-4950N  | 55     | 60     | 204    | <.4    | 5      | 179    | <1     | 20     | 43     | 5.76 | 5      | 42     | <5     | 6      | 82    | 5      | <2    | 36     | 36    | 18     | 758    | 2.16 | .19  | 4.59 | .72  | .01  | .14 |
| 2400E-5000N  | 40     | 209    | 405    | <.4    | 37     | 133    | <1     | 10     | 34     | 2.52 | 2      | 32     | <5     | 5      | 37    | <2     | <2    | 12     | 6     | 9      | 197    | .75  | .09  | 2.74 | .28  | .01  | .11 |
| 2200E-4800N  | 15     | 112    | 354    | .5     | 29     | 178    | <1     | 8      | 26     | 2.73 | 4      | 30     | <5     | <5     | 34    | <2     | <2    | 8      | 4     | 5      | 1049   | .65  | .10  | 3.65 | .18  | .01  | .10 |
| 2200E-4850N  | 11     | 168    | 618    | .4     | 39     | 249    | 1      | 8      | 34     | 2.34 | 2      | 25     | <5     | 5      | 31    | <2     | <2    | 22     | 2     | 3      | 1251   | .48  | .11  | 3.19 | .30  | .01  | .13 |
| 2200E-4900N  | 23     | 103    | 338    | .4     | 26     | 206    | <1     | 14     | 30     | 2.84 | 4      | 37     | <5     | <5     | 49    | 7      | <2    | 16     | 2     | 4      | 922    | .59  | .13  | 3.25 | .25  | .01  | .12 |
| 2200E-4950N  | 28     | 170    | 451    | .5     | 43     | 179    | 1      | 10     | 33     | 2.53 | 2      | 31     | <5     | <5     | 37    | <2     | <2    | 14     | 5     | 7      | 649    | .74  | .10  | 3.31 | .23  | .02  | .16 |
| 2200E-5000N  | 59     | 92     | 293    | <.4    | 22     | 196    | <1     | 12     | 33     | 2.73 | 2      | 34     | <5     | <5     | 53    | <2     | <2    | 23     | 5     | 6      | 568    | .82  | .12  | 3.02 | .37  | .01  | .17 |
| 2000E-4600N  | 9      | 76     | 275    | <.4    | 20     | 152    | <1     | 5      | 16     | 1.40 | 3      | 18     | <5     | <5     | 20    | 6      | <2    | 9      | 2     | 8      | 697    | .33  | .06  | 1.29 | .15  | .01  | .07 |
| 2000E-4650N  | 79     | 591    | 387    | .6     | 34     | 139    | <1     | 12     | 33     | 3.03 | 6      | 41     | <5     | 6      | 50    | 2      | <2    | 12     | 5     | 6      | 395    | 1.08 | .15  | 2.70 | .32  | .01  | .36 |
| 2000E-4700N  | 12     | 75     | 324    | <.4    | 7      | 240    | <1     | 6      | 22     | 1.94 | <2     | 28     | <5     | <5     | 22    | <2     | 2     | 6      | <2    | 4      | 1496   | .55  | .06  | 1.59 | .11  | <.01 | .10 |
| 2000E-4750N  | 32     | 280    | 277    | <.4    | 16     | 272    | <1     | 11     | 27     | 2.88 | <2     | 24     | <5     | 12     | 39    | 5      | <2    | 12     | 4     | 3      | 1492   | .45  | .11  | 3.16 | .20  | .01  | .08 |
| 2000E-4800N  | 27     | 26     | 267    | <.4    | <2     | 242    | <1     | 8      | 21     | 5.00 | <2     | 53     | <5     | <5     | 84    | 8      | <2    | 18     | <2    | 2      | 1119   | 1.80 | .18  | 3.03 | .31  | .01  | .33 |
| 2000E-4850N  | 9      | 56     | 258    | .5     | 14     | 106    | 1      | 7      | 69     | 2.35 | <2     | 15     | <5     | <5     | 27    | 5      | <2    | 9      | <2    | 2      | 137    | .18  | .14  | 3.03 | .13  | .01  | .05 |
| 2000E-4900N  | 10     | 50     | 120    | .4     | 11     | 159    | 1      | 4      | 16     | 1.32 | <2     | 10     | <5     | <5     | 17    | 5      | <2    | 18     | 2     | 3      | 43     | .14  | .07  | 3.15 | .74  | .01  | .02 |
| 2000E-5000N  | 10     | 70     | 317    | <.4    | 13     | 101    | <1     | 6      | 18     | 1.71 | 2      | 15     | <5     | <5     | 23    | <2     | <2    | 6      | <2    | 3      | 175    | .28  | .07  | 1.92 | .13  | .01  | .05 |
| 1800E-4350N  | 15     | 51     | 215    | <.4    | 6      | 157    | <1     | 13     | 37     | 2.72 | 2      | 32     | <5     | <5     | 40    | <2     | 2     | 9      | 3     | 6      | 241    | .52  | .13  | 2.92 | .18  | .01  | .17 |
| 1800E-4400N  | 23     | 73     | 248    | <.4    | 11     | 158    | <1     | 9      | 31     | 2.55 | <2     | 29     | <5     | <5     | 35    | <2     | 2     | 13     | 3     | 6      | 528    | .53  | .10  | 2.62 | .29  | .01  | .11 |
| 1800E-4450N  | 36     | 42     | 201    | <.4    | 14     | 218    | <1     | 16     | 57     | 3.22 | <2     | 42     | <5     | <5     | 58    | 2      | <2    | 14     | 4     | 3      | 528    | .81  | .14  | 3.28 | .34  | .01  | .26 |
| 1800E-4500N  | 193    | 23     | 91     | <.4    | 19     | 129    | <1     | 30     | 68     | 3.73 | <2     | 56     | <5     | <5     | 77    | 9      | <2    | 14     | 4     | 3      | 338    | 1.33 | .15  | 2.53 | .31  | .01  | .22 |
| 1800E-4550N  | 58     | 39     | 133    | <.4    | 16     | 154    | <1     | 18     | 65     | 2.95 | 3      | 61     | <5     | <5     | 52    | <2     | 5     | 13     | 5     | 7      | 609    | 1.20 | .13  | 2.50 | .31  | .01  | .29 |
| 1800E-4600N  | 64     | 38     | 136    | <.4    | 18     | 150    | <1     | 16     | 49     | 3.05 | <2     | 50     | <5     | <5     | 54    | 5      | 3     | 13     | 5     | 5      | 529    | 1.18 | .13  | 2.74 | .29  | .01  | .34 |
| 1800E-4650N  | 18     | 50     | 163    | <.4    | 3      | 81     | <1     | 11     | 39     | 2.24 | <2     | 35     | <5     | <5     | 27    | <2     | <2    | 9      | 4     | 7      | 191    | .63  | .08  | 1.86 | .17  | .01  | .10 |
| 1800E-4700N  | 11     | 40     | 120    | <.4    | 13     | 171    | <1     | 10     | 30     | 2.57 | <2     | 29     | <5     | 6      | 32    | <2     | <2    | 10     | 4     | 5      | 540    | .44  | .10  | 3.12 | .13  | .01  | .08 |
| 1800E-4750N  | 19     | 82     | 241    | <.4    | 15     | 165    | <1     | 12     | 60     | 2.57 | <2     | 32     | <5     | 6      | 32    | <2     | <2    | 10     | 2     | 3      | 373    | .62  | .11  | 2.73 | .21  | .01  | .13 |
| 1800E-4800N  | 16     | 49     | 186    | <.4    | 14     | 193    | <1     | 8      | 31     | 2.57 | <2     | 29     | <5     | 5      | 30    | 2      | <2    | 9      | 3     | 4      | 539    | .69  | .11  | 3.04 | .22  | .01  | .12 |
| 1800E-4850N  | 43     | 64     | 182    | <.4    | 6      | 185    | <1     | 21     | 97     | 3.45 | <2     | 75     | <5     | <5     | 43    | 5      | 3     | 11     | 19    | 16     | 677    | .96  | .16  | 4.08 | .19  | .01  | .20 |
| 1800E-4900N  | 16     | 36     | 118    | <.4    | 9      | 177    | <1     | 11     | 53     | 2.58 | <2     | 32     | <5     | <5     | 29    | 4      | <2    | 6      | 3     | 3      | 1181   | .36  | .11  | 3.30 | .08  | .01  | .06 |
| 1800E-4950N  | 20     | 62     | 492    | .6     | 14     | 138    | <1     | 8      | 36     | 2.62 | <2     | 28     | <5     | <5     | 23    | <2     | <2    | 8      | 8     | 7      | 552    | .43  | .10  | 2.87 | .18  | .01  | .13 |
| 1800E-5000N  | 12     | 55     | 215    | <.4    | 4      | 185    | <1     | 8      | 38     | 3.02 | <2     | 31     | <5     | 8      | 29    | <2     | <2    | 11     | 7     | 10     | 878    | .78  | .07  | 2.26 | .63  | .01  | .15 |
| 1600E-4300N  | 3      | 29     | 66     | <.4    | 8      | 124    | <1     | 3      | 7      | 1.05 | <2     | 8      | <5     | <5     | 17    | <2     | 2     | 6      | <2    | 5      | 1097   | .08  | .02  | .51  | .10  | <.01 | .03 |
| 1600E-4350N  | 26     | 20     | 123    | <.4    | 3      | 160    | <1     | 10     | 39     | 3.03 | <2     | 35     | <5     | <5     | 38    | 5      | <2    | 9      | 10    | 9      | 429    | .75  | .12  | 3.76 | .14  | .01  | .16 |
| 1600E-4400N  | 16     | 15     | 101    | <.4    | <2     | 193    | <1     | 7      | 30     | 1.80 | <2     | 28     | <5     | 5      | 22    | 2      | <2    | 7      | 5     | 5      | 339    | 2.66 | .03  | 2.51 | .44  | <.01 | .09 |
| 1600E-4450N  | 22     | 16     | 146    | <.4    | 7      | 204    | <1     | 17     | 76     | 2.97 | <2     | 66     | <5     | <5     | 37    | 5      | <2    | 12     | 7     | 6      | 453    | .91  | .14  | 3.45 | .26  | .01  | .14 |
| 1600E-4500N  | 5      | 18     | 91     | <.4    | <2     | 227    | <1     | 5      | 12     | 1.57 | <2     | 35     | <5     | <5     | 19    | 3      | <2    | 7      | 7     | 10     | 2549   | 1.56 | .05  | 1.95 | .48  | <.01 | .04 |
| 1600E-4550N  | 13     | 28     | 149    | <.4    | 21     | 213    | <1     | 7      | 24     | 2.06 | <2     | 31     | <5     | <5     | 23    | <2     | <2    | 7      | 2     | 2      | 931    | .39  | .08  | 3.23 | .17  | .01  | .08 |
| 1600E-4600N  | 9      | 40     | 160    | <.4    | <2     | 228    | <1     | 7      | 22     | 2.57 | 3      | 21     | <5     | 5      | 27    | 9      | <2    | 10     | 2     | 3      | 1509   | .63  | .09  | 2.70 | .52  | <.01 | .08 |
| 1600E-4650N  | 22     | 36     | 126    | <.4    | 12     | 129    | <1     | 13     | 51     | 2.49 | <2     | 24     | <5     | <5     | 26    | <2     | <2    | 6      | 3     | 3      | 319    | .69  | .08  | 2.36 | .20  | .01  | .09 |
| 1600E-4700N  | 8      | 32     | 110    | <.4    | 5      | 74     | <1     | 5      | 23     | 1.75 | <2     | 19     | <5     | <5     | 21    | <2     | <2    | 3      | <2    | 3      | 109    | .34  | .07  | 1.94 | .07  | <.01 | .08 |

| FIELD NUMBER | Cu ppm | Pb ppm | Zn ppm | Ag ppm | As ppm | Ba ppm | Cd ppm | Co ppm | Ni ppm | Fe % | Mo ppm | Cr ppm | Bi ppm | Sb ppm | V ppm | Sn ppm | W ppm | Sr ppm | Y ppm | La ppm | Mn ppm | Mg % | Ti % | Al % | Ca % | Na % | K % |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|--------|------|------|------|------|------|-----|
| 1600E-4750N  | 11     | 49     | 154    | <.4    | 7      | 132    | <1     | 8      | 29     | 2.70 | <2     | 29     | <5     | <5     | 30    | 6      | <2    | 8      | 5     | 4      | 385    | .54  | .11  | 3.67 | .31  | .01  | .09 |
| 1600E-4800N  | 21     | 19     | 157    | <.4    | 5      | 69     | <1     | 8      | 22     | 2.59 | <2     | 36     | <5     | 7      | 38    | 7      | <2    | 5      | <2    | <2     | 169    | .34  | .14  | 2.40 | .15  | .01  | .06 |
| 1600E-4850N  | 11     | 53     | 187    | <.4    | 9      | 135    | <1     | 6      | 24     | 2.05 | <2     | 23     | <5     | <5     | 24    | 2      | 3     | 6      | 2     | 3      | 299    | .34  | .07  | 2.33 | .14  | <.01 | .10 |
| 1600E-4900N  | 18     | 46     | 114    | <.4    | 5      | 128    | <1     | 6      | 21     | 1.78 | <2     | 25     | <5     | 6      | 22    | <2     | <2    | 8      | 3     | 4      | 363    | .45  | .06  | 1.63 | .15  | <.01 | .10 |
| 1600E-4950N  | 13     | 49     | 157    | <.4    | 7      | 168    | <1     | 6      | 21     | 2.31 | 2      | 19     | <5     | <5     | 23    | 2      | <2    | 8      | 16    | 13     | 333    | .33  | .13  | 4.42 | .26  | .01  | .08 |
| 1600E-5000N  | 17     | 122    | 397    | <.4    | 15     | 243    | 1      | 9      | 30     | 3.41 | 2      | 25     | <5     | <5     | 34    | <2     | 3     | 12     | 14    | 10     | 782    | .62  | .08  | 3.10 | .49  | .01  | .09 |
| 1400E-4300N  | 6      | 19     | 83     | <.4    | 4      | 311    | <1     | 6      | 18     | 2.46 | 3      | 15     | <5     | <5     | 18    | 3      | <2    | 14     | 18    | 16     | 369    | .38  | .08  | 3.97 | 1.97 | .01  | .05 |
| 1400E-4350N  | 9      | 29     | 128    | <.4    | 6      | 205    | <1     | 8      | 27     | 3.24 | <2     | 20     | <5     | <5     | 26    | 4      | <2    | 12     | 19    | 15     | 625    | .56  | .11  | 4.05 | .68  | .01  | .07 |
| 1400E-4400N  | 14     | 13     | 83     | <.4    | 4      | 292    | <1     | 8      | 23     | 2.92 | <2     | 15     | <5     | <5     | 22    | 6      | 6     | 11     | 7     | 5      | 753    | .40  | .04  | 1.86 | .63  | .01  | .06 |
| 1400E-4450N  | 41     | 21     | 101    | <.4    | 9      | 168    | <1     | 13     | 37     | 3.74 | 2      | 32     | <5     | <5     | 45    | <2     | 2     | 13     | 22    | 19     | 884    | 2.56 | .10  | 3.57 | 1.35 | .01  | .09 |
| 1400E-4500N  | 31     | 12     | 144    | <.4    | 5      | 179    | <1     | 27     | 105    | 3.84 | <2     | 87     | <5     | <5     | 51    | 2      | <2    | 12     | 10    | 7      | 1000   | .84  | .17  | 4.34 | .34  | .01  | .23 |
| 1400E-4550N  | 6      | 9      | 54     | <.4    | 3      | 120    | <1     | 3      | 10     | 1.49 | 3      | 24     | <5     | <5     | 43    | 4      | <2    | 24     | 16    | 14     | 639    | 6.44 | .04  | 2.92 | 6.12 | <.01 | .07 |
| 1400E-4600N  | 13     | 15     | 166    | <.4    | <2     | 189    | <1     | 11     | 25     | 2.40 | <2     | 21     | <5     | <5     | 22    | 4      | <2    | 16     | 13    | 8      | 740    | .57  | .10  | 3.85 | .79  | .01  | .08 |
| 1400E-4650N  | 113    | 5      | 38     | <.4    | 6      | 73     | <1     | 3      | 9      | 1.18 | <2     | 9      | <5     | 5      | 9     | <2     | <2    | 27     | 13    | 7      | 88     | .33  | .07  | 2.48 | 1.67 | .02  | .03 |
| 1400E-4700N  | 15     | 16     | 138    | <.4    | <2     | 138    | <1     | 6      | 16     | 3.14 | 3      | 12     | <5     | 6      | 30    | 2      | 3     | 11     | 7     | 8      | 383    | .24  | .07  | 2.57 | .34  | .01  | .05 |
| 1400E-4750N  | 9      | 21     | 201    | <.4    | 3      | 211    | <1     | 5      | 19     | 2.53 | 3      | 10     | <5     | 5      | 18    | <2     | <2    | 16     | 11    | 10     | 726    | 1.02 | .05  | 2.53 | 1.64 | .01  | .09 |
| 1400E-4800N  | 8      | 16     | 158    | <.4    | 6      | 208    | <1     | 5      | 20     | 2.67 | 2      | 11     | <5     | 7      | 20    | 5      | <2    | 16     | 12    | 11     | 824    | 1.29 | .08  | 2.61 | 2.40 | .01  | .06 |
| 1400E-4850N  | 24     | 24     | 91     | <.4    | 3      | 151    | <1     | 10     | 28     | 3.20 | 2      | 32     | <5     | 6      | 40    | 5      | <2    | 12     | 18    | 17     | 258    | .67  | .10  | 3.12 | .26  | .01  | .07 |
| 1400E-4900N  | 30     | 26     | 95     | <.4    | 9      | 107    | <1     | 8      | 21     | 5.34 | 3      | 21     | <5     | <5     | 36    | 7      | <2    | 17     | 22    | 15     | 1244   | .51  | .11  | 3.63 | .73  | .01  | .07 |
| 1400E-4950N  | 23     | 27     | 186    | <.4    | 12     | 242    | <1     | 14     | 47     | 9.01 | <2     | 42     | <5     | <5     | 55    | 16     | <2    | 25     | 34    | 27     | 2299   | 1.79 | .09  | 3.42 | 1.19 | <.01 | .08 |
| 1400E-5000N  | 7      | 22     | 59     | <.4    | 7      | 161    | <1     | 6      | 20     | 1.90 | <2     | 28     | <5     | <5     | 21    | 9      | <2    | 28     | 6     | 6      | 138    | .74  | .08  | 2.57 | .98  | .01  | .06 |
| 1200E-4300N  | 8      | 27     | 145    | <.4    | 14     | 124    | <1     | 5      | 17     | 2.20 | <2     | 14     | <5     | 6      | 24    | 2      | <2    | 5      | <2    | <2     | 351    | .24  | .08  | 2.81 | .15  | <.01 | .06 |
| 1200E-4350N  | 10     | 22     | 190    | <.4    | 12     | 239    | <1     | 6      | 19     | 2.35 | <2     | 17     | <5     | <5     | 22    | <2     | 2     | 11     | 3     | 3      | 570    | .48  | .07  | 3.53 | .42  | .01  | .08 |
| 1200E-4400N  | 12     | 19     | 93     | <.4    | <2     | 164    | <1     | 5      | 24     | 1.73 | <2     | 20     | <5     | <5     | 17    | <2     | <2    | 6      | <2    | 2      | 317    | .29  | .06  | 1.87 | .13  | <.01 | .08 |
| 1200E-4450N  | 7      | 28     | 70     | .4     | 3      | 132    | <1     | 5      | 18     | 2.01 | <2     | 15     | <5     | <5     | 23    | <2     | <2    | 9      | 2     | 2      | 213    | .22  | .10  | 3.56 | .23  | .01  | .08 |
| 1200E-4500N  | 18     | 36     | 113    | <.4    | 7      | 170    | <1     | 6      | 22     | 2.58 | 2      | 16     | <5     | 7      | 24    | 4      | <2    | 14     | 11    | 10     | 275    | .35  | .15  | 4.81 | .37  | .01  | .09 |
| 1200E-4550N  | 10     | 27     | 114    | <.4    | 6      | 309    | <1     | 6      | 19     | 2.80 | <2     | 15     | <5     | <5     | 23    | <2     | <2    | 10     | 15    | 13     | 982    | .64  | .02  | 2.43 | .75  | .01  | .11 |
| 1200E-4600N  | 13     | 35     | 108    | <.4    | <2     | 154    | <1     | 7      | 26     | 2.55 | <2     | 23     | <5     | <5     | 25    | <2     | <2    | 7      | 6     | 7      | 479    | .53  | .06  | 2.16 | .20  | .01  | .10 |
| 1200E-4650N  | 6      | 41     | 195    | <.4    | <2     | 194    | <1     | 6      | 25     | 2.49 | <2     | 19     | <5     | 6      | 25    | 5      | <2    | 10     | 3     | 6      | 287    | .41  | .06  | 2.17 | .20  | .01  | .09 |
| 1200E-4700N  | 36     | 24     | 63     | <.4    | <2     | 53     | <1     | 12     | 28     | 3.22 | <2     | 24     | <5     | <5     | 43    | 5      | <2    | 6      | 22    | 20     | 172    | .38  | .01  | 1.26 | .32  | <.01 | .05 |
| 1200E-4750N  | 27     | 42     | 88     | <.4    | <2     | 233    | <1     | 10     | 29     | 7.96 | 4      | 35     | <5     | <5     | 59    | 6      | <2    | 18     | 45    | 39     | 1971   | .98  | <.01 | 1.90 | 2.07 | <.01 | .05 |
| 1200E-4800N  | 9      | 18     | 45     | <.4    | 4      | 83     | <1     | 8      | 22     | 3.30 | <2     | 17     | <5     | <5     | 27    | 2      | <2    | 6      | 7     | 12     | 257    | .41  | <.01 | .95  | .20  | <.01 | .05 |
| 1200E-4850N  | 15     | 185    | 453    | <.4    | 5      | 227    | 1      | 8      | 23     | 4.54 | 3      | 16     | <5     | <5     | 27    | 6      | <2    | 15     | 12    | 14     | 1374   | .32  | .06  | 2.75 | .41  | .01  | .08 |
| 1200E-4900N  | 6      | 21     | 147    | <.4    | 9      | 176    | <1     | 4      | 15     | 1.79 | <2     | 12     | <5     | <5     | 15    | 6      | <2    | 9      | 3     | 6      | 888    | .22  | .07  | 2.00 | .21  | <.01 | .07 |
| 1200E-4950N  | 19     | 53     | 174    | <.4    | <2     | 283    | 1      | 5      | 18     | 3.27 | <2     | 14     | 8      | <5     | 25    | 6      | <2    | 22     | 21    | 14     | 1064   | .44  | .06  | 2.40 | 1.16 | .04  | .09 |
| 1200E-5000N  | 13     | 20     | 181    | <.4    | <2     | 314    | <1     | 8      | 23     | 3.84 | 3      | 17     | <5     | 5      | 30    | <2     | <2    | 10     | 14    | 16     | 922    | .74  | .05  | 2.75 | .24  | <.01 | .10 |
| 1000E-4300N  | 71     | 26     | 49     | <.4    | 11     | 194    | <1     | 4      | 22     | 1.65 | 2      | 16     | <5     | <5     | 15    | <2     | <2    | 31     | 24    | 15     | 341    | .24  | .05  | 1.91 | 9.04 | <.01 | .03 |
| 1000E-4350N  | 6      | 22     | 92     | <.4    | <2     | 249    | <1     | 4      | 12     | 1.92 | <2     | 14     | <5     | <5     | 24    | 4      | <2    | 6      | <2    | 2      | 470    | .36  | .05  | 1.16 | .18  | <.01 | .06 |
| 1000E-4400N  | 9      | 19     | 88     | <.4    | 11     | 411    | <1     | 4      | 21     | 2.37 | 2      | 12     | <5     | <5     | 18    | 7      | <2    | 12     | 12    | 9      | 341    | .71  | .06  | 2.67 | .93  | .01  | .07 |
| 1000E-4450N  | 11     | 26     | 89     | <.4    | 2      | 410    | <1     | 4      | 15     | 2.71 | <2     | 9      | <5     | <5     | 19    | 5      | <2    | 16     | 16    | 13     | 595    | 1.63 | <.01 | 2.29 | 2.60 | .01  | .10 |

| FIELD NUMBER | Cu ppm | Pb ppm | Zn ppm | Ag ppm | As ppm | Ba ppm | Cd ppm | Co ppm | Ni ppm | Fe % | Mo ppm | Cr ppm | Bi ppm | Sb ppm | V ppm | Sn ppm | W ppm | Sr ppm | Y ppm | La ppm | Mn ppm | Mg % | Ti % | Al % | Ca % | Na % | K %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|--------|------|------|------|------|------|------|
| 1000E-4500N  | 8      | 40     | 110    | <.4    | 11     | 494    | <1     | 4      | 16     | 2.78 | 2      | 12     | <5     | 5      | 23    | 8      | <2    | 25     | 14    | 17     | 834    | 1.06 | .09  | 3.22 | 2.39 | .01  | .06  |
| 1000E-4550N  | 21     | 53     | 172    | <.4    | 15     | 272    | <1     | 7      | 21     | 4.74 | 2      | 21     | <5     | 5      | 27    | 3      | <2    | 25     | 17    | 13     | 2330   | 1.37 | .02  | 1.76 | 2.53 | <.01 | .11  |
| 1000E-4600N  | 26     | 36     | 143    | <.4    | <2     | 219    | <1     | 11     | 30     | 3.72 | 3      | 28     | <5     | <5     | 39    | <2     | 2     | 15     | 24    | 20     | 457    | 1.09 | .08  | 2.84 | .32  | .01  | .22  |
| 1000E-4650N  | 9      | 31     | 157    | <.4    | 13     | 164    | <1     | 6      | 24     | 2.15 | <2     | 19     | <5     | <5     | 19    | <2     | <2    | 13     | 7     | 10     | 599    | .34  | .07  | 2.23 | .23  | .01  | .10  |
| 1000E-4700N  | 11     | 22     | 95     | <.4    | 6      | 108    | <1     | 7      | 19     | 1.81 | 2      | 15     | <5     | <5     | 19    | <2     | <2    | 6      | 2     | 5      | 371    | .46  | .02  | 1.05 | .09  | <.01 | .08  |
| 1000E-4750N  | 28     | 72     | 224    | <.4    | 4      | 203    | <1     | 9      | 30     | 3.51 | <2     | 25     | <5     | <5     | 31    | 6      | <2    | 18     | 25    | 18     | 463    | .75  | .06  | 2.06 | .91  | .03  | .22  |
| 1000E-4800N  | 15     | 42     | 511    | <.4    | 8      | 411    | 1      | 6      | 22     | 3.86 | 2      | 15     | <5     | <5     | 25    | 4      | <2    | 21     | 16    | 13     | 1315   | 1.24 | .04  | 2.47 | 2.44 | .04  | .09  |
| 1000E-4850N  | 11     | 64     | 417    | <.4    | 6      | 291    | <1     | 5      | 19     | 3.23 | <2     | 15     | <5     | <5     | 23    | 3      | <2    | 17     | 12    | 9      | 436    | 1.13 | .03  | 2.13 | 1.67 | .01  | .11  |
| 1000E-5000N  | 45     | 19     | 125    | <.4    | 2      | 292    | <1     | 16     | 28     | 2.02 | <2     | 18     | <5     | <5     | 29    | 5      | <2    | 15     | 2     | 3      | 1868   | .47  | .05  | 1.36 | .46  | <.01 | .11  |
| 4000E-5050N  | 91     | <4     | 105    | <.4    | <2     | 242    | <1     | 14     | 36     | 4.90 | 2      | 52     | <5     | <5     | 50    | 16     | <2    | 17     | 22    | 8      | 1755   | 4.07 | .17  | 3.92 | .85  | <.01 | 1.10 |
| 4000E-5100N  | 13     | 12     | 185    | <.4    | 5      | 300    | <1     | 14     | 30     | 2.77 | <2     | 43     | <5     | <5     | 30    | 8      | <2    | 20     | <2    | <2     | 2019   | 1.55 | .10  | 2.41 | .34  | <.01 | .22  |
| 4000E-5150N  | 117    | 30     | 144    | <.4    | <2     | 318    | 1      | 19     | 27     | 2.95 | <2     | 21     | <5     | <5     | 40    | 7      | <2    | 23     | 3     | 2      | 3477   | .43  | .05  | 1.53 | .44  | <.01 | .08  |
| 4000E-5200N  | 12     | 16     | 127    | <.4    | <2     | 191    | <1     | 11     | 25     | 2.99 | <2     | 21     | <5     | 5      | 32    | 13     | <2    | 24     | 7     | 3      | 1248   | .62  | .11  | 4.08 | .41  | .01  | .08  |
| 4000E-5250N  | 38     | 10     | 115    | <.4    | 9      | 77     | <1     | 16     | 38     | 3.50 | <2     | 23     | <5     | <5     | 33    | 10     | <2    | 16     | 7     | 3      | 308    | 1.11 | .05  | 2.58 | .42  | .02  | .04  |
| 4000E-5300N  | 26     | 23     | 72     | <.4    | <2     | 123    | <1     | 12     | 33     | 3.81 | <2     | 18     | <5     | <5     | 43    | 5      | <2    | 16     | 15    | 5      | 577    | 2.90 | .06  | 3.35 | .57  | <.01 | .06  |
| 4000E-5350N  | 8      | 15     | 94     | <.4    | <2     | 239    | <1     | 6      | 11     | 1.93 | <2     | 14     | <5     | <5     | 18    | 3      | <2    | 11     | 6     | 5      | 1428   | .46  | .06  | 2.80 | .61  | .01  | .04  |
| 4000E-5400N  | 7      | 17     | 148    | <.4    | <2     | 236    | <1     | 5      | 9      | 1.97 | 3      | 13     | <5     | <5     | 17    | 12     | <2    | 16     | 12    | 9      | 1513   | .76  | .07  | 3.64 | 1.91 | .01  | .04  |
| 4000E-5450N  | 27     | 14     | 93     | .5     | 7      | 111    | <1     | 22     | 80     | 3.80 | <2     | 215    | <5     | <5     | 69    | 6      | <2    | 13     | 19    | 8      | 814    | 2.07 | .13  | 3.94 | .80  | <.01 | .07  |
| 4000E-5500N  | 9      | 13     | 312    | .7     | 2      | 171    | 1      | 6      | 15     | 1.88 | <2     | 18     | <5     | 6      | 21    | 8      | <2    | 5      | 6     | 4      | 278    | .23  | .12  | 4.39 | .15  | .01  | .04  |
| 4000E-5550N  | 9      | 14     | 256    | .7     | 5      | 128    | <1     | 4      | 9      | 1.87 | <2     | 9      | <5     | <5     | 17    | 12     | <2    | 6      | 7     | 4      | 191    | .15  | .14  | 5.53 | .20  | .01  | .03  |
| 3800E-5000N  | 5      | 16     | 154    | <.4    | 6      | 98     | <1     | 4      | 11     | 1.73 | <2     | 10     | <5     | <5     | 17    | 7      | <2    | 8      | 2     | 2      | 344    | .19  | .07  | 3.43 | .24  | <.01 | .04  |
| 3800E-5050N  | 5      | 16     | 183    | <.4    | <2     | 193    | <1     | 5      | 8      | 1.74 | <2     | 8      | <5     | <5     | 18    | 8      | <2    | 5      | 2     | 2      | 1326   | .29  | .09  | 2.10 | .26  | <.01 | .03  |
| 3800E-5100N  | 17     | 45     | 210    | <.4    | <2     | 107    | 1      | 13     | 20     | 2.94 | 2      | 32     | <5     | <5     | 36    | 5      | <2    | 16     | 10    | 9      | 1106   | .73  | .05  | 1.18 | .85  | <.01 | .14  |
| 3800E-5150N  | 12     | 44     | 208    | <.4    | <2     | 92     | <1     | 12     | 18     | 3.17 | <2     | 31     | <5     | 5      | 38    | 5      | <2    | 9      | 6     | 7      | 1147   | .61  | .05  | 1.18 | .27  | <.01 | .14  |
| 3800E-5200N  | 3      | 6      | 798    | <.4    | 4      | 61     | <1     | 3      | 4      | .88  | <2     | 6      | <5     | <5     | 10    | <2     | 7     | 3      | <2    | <2     | 398    | .25  | .04  | .57  | .10  | <.01 | .06  |
| 3800E-5250N  | 6      | 33     | 342    | .5     | 8      | 105    | 1      | 6      | 10     | 1.78 | <2     | 9      | <5     | <5     | 21    | 4      | <2    | 5      | 4     | 3      | 323    | .26  | .09  | 2.67 | .10  | <.01 | .08  |
| 3800E-5300N  | 4      | 9      | 286    | <.4    | <2     | 159    | 1      | 7      | 10     | 1.71 | <2     | 8      | <5     | <5     | 20    | 5      | <2    | 7      | 4     | 3      | 749    | .31  | .09  | 2.24 | .22  | <.01 | .16  |
| 3800E-5350N  | 18     | 10     | 116    | <.4    | <2     | 133    | <1     | 7      | 28     | 2.22 | <2     | 21     | <5     | <5     | 20    | 7      | <2    | 10     | 5     | 5      | 421    | .53  | .08  | 2.27 | .27  | <.01 | .21  |
| 3800E-5400N  | 8      | 12     | 158    | <.4    | <2     | 233    | <1     | 6      | 14     | 1.51 | <2     | 12     | <5     | <5     | 14    | 6      | <2    | 18     | 2     | 2      | 285    | .35  | .03  | 1.77 | .28  | <.01 | .12  |
| 3800E-5450N  | 15     | 8      | 98     | <.4    | 9      | 198    | <1     | 10     | 22     | 2.61 | <2     | 25     | <5     | 6      | 32    | 10     | <2    | 8      | 7     | 7      | 1328   | .94  | .11  | 2.06 | .31  | <.01 | .40  |
| 3800E-5500N  | 6      | 30     | 72     | <.4    | 4      | 161    | <1     | 4      | 7      | 1.72 | <2     | 9      | <5     | <5     | 18    | 4      | <2    | 5      | <2    | 2      | 1050   | .16  | .07  | 1.13 | .06  | <.01 | .05  |
| 3800E-5550N  | 10     | 12     | 72     | .6     | 8      | 76     | <1     | 6      | 14     | 2.27 | <2     | 11     | <5     | <5     | 21    | 5      | <2    | 16     | 17    | 10     | 329    | .25  | .14  | 4.85 | .40  | .01  | .10  |
| 3800E-5600N  | 14     | 20     | 190    | <.4    | <2     | 421    | <1     | 16     | 27     | 3.08 | <2     | 21     | <5     | <5     | 34    | 5      | <2    | 14     | 2     | <2     | 1387   | .93  | .13  | 2.01 | .46  | .01  | .50  |
| 3800E-5650N  | 5      | 16     | 120    | <.4    | 6      | 196    | <1     | 6      | 11     | 1.74 | <2     | 7      | <5     | <5     | 16    | 9      | <2    | 8      | 2     | 2      | 672    | .09  | .12  | 3.30 | .23  | <.01 | .06  |
| 3800E-5700N  | 30     | 8      | 93     | <.4    | <2     | 402    | <1     | 19     | 40     | 3.76 | <2     | 37     | <5     | <5     | 48    | 9      | <2    | 21     | 5     | 2      | 1374   | 1.48 | .09  | 2.50 | .63  | .01  | .39  |
| 3800E-5750N  | 56     | 13     | 196    | <.4    | <2     | 459    | <1     | 36     | 33     | 4.81 | <2     | 26     | 23     | <5     | 41    | 11     | 10    | 15     | 3     | <2     | 2545   | 1.21 | .10  | 2.45 | .41  | .01  | .67  |
| 3800E-5800N  | 13     | 9      | 121    | <.4    | 5      | 214    | <1     | 8      | 16     | 2.44 | <2     | 13     | <5     | <5     | 25    | 9      | <2    | 12     | 8     | 5      | 730    | .37  | .11  | 2.84 | .41  | .01  | .20  |
| 3600E-4750N  | 87     | 20     | 91     | <.4    | 4      | 120    | <1     | 18     | 35     | 2.25 | <2     | 21     | <5     | <5     | 32    | 6      | <2    | 11     | 7     | 5      | 479    | .44  | .10  | 3.31 | .16  | <.01 | .07  |
| 3600E-4800N  | 28     | 16     | 89     | <.4    | <2     | 141    | <1     | 11     | 26     | 2.68 | <2     | 34     | <5     | <5     | 41    | 11     | <2    | 21     | 8     | 5      | 571    | 1.25 | .10  | 2.52 | .56  | .01  | .27  |
| 3600E-4850N  | 69     | 10     | 136    | <.4    | 3      | 111    | <1     | 20     | 34     | 5.16 | 2      | 40     | <5     | <5     | 73    | 13     | <2    | 32     | 30    | 8      | 365    | 2.76 | .16  | 4.12 | 1.02 | .05  | .20  |

| FIELD NUMBER | Cu ppm | Pb ppm | Zn ppm | Ag ppm | As ppm | Ba ppm | Cd ppm | Co ppm | Ni ppm | Fe % | Mo ppm | Cr ppm | Bi ppm | Sb ppm | V ppm | Sn ppm | W ppm | Sr ppm | Y ppm | La ppm | Mn ppm | Mg % | Ti % | Al % | Ca % | Na % | K % |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|--------|------|------|------|------|------|-----|
| 3600E-4900N  | 43     | 25     | 341    | <.4    | 10     | 320    | 2      | 9      | 14     | 2.39 | <2     | 13     | <5     | 8      | 25    | 11     | <2    | 21     | 10    | 8      | 3260   | 1.28 | .02  | 1.50 | 2.88 | .01  | .07 |
| 3600E-4950N  | 13     | 13     | 72     | <.4    | 8      | 63     | <1     | 7      | 17     | 1.60 | <2     | 20     | <5     | <5     | 19    | 4      | <2    | 6      | 5     | 10     | 193    | .55  | .05  | 1.36 | .16  | .01  | .09 |
| 3600E-5000N  | 31     | 23     | 164    | <.4    | 16     | 211    | <1     | 20     | 45     | 3.48 | <2     | 52     | <5     | <5     | 69    | 6      | <2    | 20     | 4     | 4      | 931    | .93  | .16  | 2.82 | .48  | .01  | .37 |
| 3600E-5050N  | 9      | 14     | 167    | <.4    | 3      | 254    | <1     | 8      | 24     | 2.20 | <2     | 25     | <5     | <5     | 20    | 3      | <2    | 18     | 3     | 4      | 457    | .40  | .05  | 2.68 | .31  | .01  | .08 |
| 3600E-5100N  | 6      | 17     | 178    | <.4    | 6      | 164    | <1     | 6      | 14     | 1.81 | <2     | 16     | 6      | <5     | 19    | 5      | <2    | 8      | <2    | 2      | 804    | .34  | .04  | 2.11 | .13  | <.01 | .07 |
| 3600E-5150N  | 17     | 14     | 166    | <.4    | 13     | 73     | <1     | 8      | 23     | 1.68 | <2     | 21     | <5     | <5     | 25    | 13     | <2    | 11     | 3     | 2      | 378    | .48  | .07  | 2.41 | .36  | .01  | .09 |
| 3600E-5200N  | 12     | 30     | 164    | .6     | <2     | 160    | <1     | 6      | 24     | 2.07 | 2      | 16     | <5     | <5     | 24    | 9      | <2    | 9      | 8     | 6      | 314    | .31  | .10  | 3.23 | .11  | .01  | .09 |
| 3600E-5250N  | 28     | 12     | 165    | .7     | 7      | 186    | <1     | 10     | 26     | 2.82 | <2     | 23     | <5     | <5     | 50    | 10     | <2    | 12     | 9     | 4      | 418    | .60  | .15  | 4.90 | .21  | .02  | .28 |
| 3600E-5300N  | 8      | 13     | 81     | <.4    | 11     | 137    | <1     | 6      | 23     | 1.72 | 2      | 14     | <5     | <5     | 21    | 2      | <2    | 8      | 4     | 6      | 281    | .26  | .09  | 2.55 | .13  | .01  | .08 |
| 3600E-5350N  | 23     | 21     | 88     | <.4    | 5      | 147    | <1     | 8      | 22     | 2.04 | 2      | 14     | <5     | <5     | 29    | 4      | <2    | 19     | 4     | 3      | 228    | .37  | .09  | 3.41 | .19  | .01  | .10 |
| 3600E-5400N  | 14     | 30     | 104    | <.4    | 14     | 232    | <1     | 7      | 19     | 1.68 | <2     | 14     | <5     | <5     | 22    | 7      | <2    | 17     | 5     | 6      | 1389   | .43  | .06  | 1.97 | .38  | .01  | .11 |
| 3600E-5450N  | 107    | 14     | 129    | <.4    | 9      | 264    | <1     | 15     | 20     | 5.11 | <2     | 14     | <5     | <5     | 49    | 12     | <2    | 23     | 7     | 7      | 580    | .71  | .12  | 2.99 | .40  | .01  | .39 |
| 3600E-5500N  | 7      | 7      | 105    | <.4    | 8      | 179    | <1     | 5      | 10     | 3.17 | <2     | 6      | <5     | <5     | 25    | 7      | <2    | 8      | 29    | 8      | 2525   | 2.88 | .05  | 1.89 | 1.27 | <.01 | .05 |
| 3600E-5550N  | 37     | 9      | 169    | <.4    | <2     | 415    | <1     | 22     | 24     | 3.76 | <2     | 20     | <5     | <5     | 44    | 5      | 3     | 13     | 7     | 3      | 2275   | .77  | .10  | 2.53 | .39  | <.01 | .35 |
| 3600E-5600N  | 10     | 8      | 82     | <.4    | <2     | 142    | <1     | 10     | 15     | 2.07 | <2     | 10     | <5     | 7      | 23    | 3      | <2    | 7      | 7     | 4      | 301    | .34  | .13  | 3.96 | .18  | <.01 | .11 |
| 3600E-5650N  | 6      | 10     | 54     | <.4    | 4      | 132    | <1     | 4      | 12     | 1.14 | <2     | 9      | <5     | <5     | 12    | 2      | <2    | 3      | <2    | <2     | 330    | .16  | .05  | 1.66 | .05  | <.01 | .04 |
| 3600E-5700N  | 14     | 8      | 73     | <.4    | 4      | 202    | <1     | 8      | 24     | 2.27 | <2     | 17     | <5     | <5     | 31    | 7      | 9     | 6      | 2     | <2     | 472    | .50  | .10  | 3.64 | .13  | <.01 | .09 |
| 3600E-5750N  | 14     | 13     | 55     | <.4    | <2     | 99     | <1     | 6      | 15     | 1.85 | <2     | 15     | <5     | <5     | 25    | 3      | 9     | 5      | 3     | 2      | 339    | .35  | .07  | 2.41 | .11  | <.01 | .07 |
| 3600E-5800N  | 78     | 8      | 76     | <.4    | <2     | 250    | <1     | 34     | 90     | 3.69 | <2     | 90     | <5     | 5      | 92    | 5      | 3     | 7      | 2     | <2     | 909    | 1.31 | .15  | 2.43 | .26  | <.01 | .38 |
| 3400E-4900N  | 30     | 22     | 42     | <.4    | 3      | 52     | <1     | 9      | 15     | 2.69 | <2     | 15     | <5     | <5     | 34    | 11     | <2    | 5      | 5     | 4      | 153    | .22  | .03  | 1.34 | .10  | <.01 | .05 |
| 3400E-4950N  | 14     | 40     | 95     | .8     | 9      | 134    | <1     | 5      | 12     | 2.86 | <2     | 10     | <5     | <5     | 18    | 4      | <2    | 11     | 11    | 6      | 1463   | .42  | .04  | 1.61 | .62  | <.01 | .07 |
| 3400E-5000N  | 12     | 88     | 262    | <.4    | 12     | 205    | 1      | 6      | 16     | 2.95 | <2     | 17     | <5     | <5     | 24    | 6      | 3     | 9      | 20    | 12     | 1644   | .47  | .04  | 1.84 | .65  | <.01 | .08 |
| 3400E-5050N  | 22     | 9      | 155    | <.4    | 4      | 924    | <1     | 23     | 195    | 3.34 | <2     | 204    | <5     | <5     | 34    | 7      | <2    | 106    | 5     | 21     | 270    | 1.13 | .11  | 1.62 | .39  | <.01 | .17 |
| 3400E-5100N  | 7      | 18     | 113    | <.4    | <2     | 176    | <1     | 3      | 12     | 1.39 | <2     | 9      | <5     | <5     | 16    | 8      | 2     | 9      | 5     | 4      | 673    | .18  | .06  | 2.50 | .17  | .01  | .06 |
| 3400E-5150N  | 15     | 9      | 41     | <.4    | <2     | 76     | <1     | 5      | 12     | 1.07 | <2     | 15     | <5     | <5     | 14    | 3      | <2    | 15     | 4     | 5      | 213    | .33  | .02  | .72  | .20  | <.01 | .13 |
| 3400E-5200N  | 5      | 17     | 72     | .4     | <2     | 133    | <1     | 4      | 10     | 1.46 | <2     | 9      | <5     | <5     | 15    | <2     | 4     | 8      | 3     | 3      | 344    | .13  | .08  | 3.07 | .20  | <.01 | .04 |
| 3400E-5250N  | 11     | 89     | 187    | 2.8    | <2     | 335    | <1     | 4      | 11     | 2.27 | 2      | 5      | <5     | <5     | 14    | 10     | 4     | 8      | 2     | 3      | 209    | .09  | .03  | 1.91 | .15  | <.01 | .08 |
| 3400E-5300N  | 18     | 25     | 51     | <.4    | 4      | 88     | <1     | 5      | 24     | 1.40 | <2     | 16     | <5     | <5     | 18    | 4      | <2    | 5      | 2     | 2      | 130    | .32  | .03  | 1.45 | .09  | <.01 | .06 |
| 3400E-5350N  | 5      | 19     | 90     | <.4    | <2     | 157    | <1     | 4      | 10     | 1.47 | <2     | 11     | <5     | 5      | 15    | 6      | 4     | 11     | <2    | <2     | 603    | .18  | .07  | 2.38 | .13  | <.01 | .06 |
| 3400E-5400N  | 9      | 11     | 68     | <.4    | 6      | 159    | <1     | 4      | 11     | 1.50 | <2     | 8      | <5     | <5     | 16    | 5      | 2     | 4      | 8     | 8      | 163    | .15  | .10  | 3.39 | .06  | <.01 | .05 |
| 3400E-5450N  | 26     | 12     | 88     | <.4    | 4      | 136    | <1     | 12     | 22     | 3.11 | <2     | 17     | <5     | 5      | 29    | 3      | <2    | 11     | 7     | 3      | 270    | .83  | .06  | 2.78 | .31  | .01  | .09 |
| 3400E-5500N  | 8      | 12     | 131    | <.4    | <2     | 151    | <1     | 5      | 16     | 1.90 | <2     | 17     | <5     | <5     | 18    | 4      | 5     | 6      | 5     | 4      | 433    | .47  | .08  | 2.95 | .16  | <.01 | .05 |
| 3400E-5550N  | 13     | 18     | 109    | <.4    | 3      | 155    | <1     | 6      | 15     | 2.14 | <2     | 13     | <5     | <5     | 22    | 6      | <2    | 6      | 17    | 11     | 603    | .52  | .09  | 3.66 | .29  | .01  | .07 |
| 3400E-5600N  | 9      | 12     | 49     | <.4    | 3      | 93     | <1     | 6      | 12     | 1.73 | <2     | 13     | <5     | 6      | 18    | 4      | 6     | 3      | 8     | 6      | 226    | .66  | .07  | 2.82 | .18  | <.01 | .04 |
| 3400E-5650N  | 6      | 12     | 65     | <.4    | 12     | 110    | <1     | 5      | 10     | 1.76 | <2     | 12     | <5     | <5     | 19    | 4      | 2     | 5      | 10    | 7      | 176    | .39  | .09  | 4.27 | .53  | .01  | .04 |
| 3400E-5700N  | 6      | 13     | 42     | <.4    | 5      | 96     | <1     | 3      | 11     | 1.52 | <2     | 9      | <5     | <5     | 13    | 4      | <2    | 4      | 8     | 7      | 155    | .17  | .09  | 3.29 | .14  | <.01 | .04 |
| 3400E-5750N  | 9      | 8      | 36     | <.4    | 8      | 184    | <1     | 3      | 14     | 1.30 | <2     | 10     | <5     | <5     | 14    | 5      | 2     | 10     | 6     | 5      | 153    | .17  | .07  | 2.60 | .09  | <.01 | .06 |
| 3400E-5800N  | 6      | 11     | 50     | <.4    | 9      | 116    | <1     | 3      | 10     | 1.63 | <2     | 9      | <5     | <5     | 14    | 5      | <2    | 7      | 6     | 5      | 510    | .13  | .09  | 3.78 | .15  | <.01 | .03 |
| 3200E-4900N  | 35     | 14     | 24     | <.4    | <2     | 40     | <1     | 10     | 16     | 2.74 | <2     | 28     | <5     | <5     | 51    | <2     | <2    | 10     | 3     | 2      | 231    | .32  | .03  | 1.43 | .28  | <.01 | .04 |
| 3200E-4950N  | 13     | 16     | 118    | <.4    | <2     | 191    | <1     | 8      | 16     | 2.79 | <2     | 15     | <5     | <5     | 21    | 3      | <2    | 28     | 15    | 10     | 1349   | .77  | .09  | 3.56 | .51  | .01  | .05 |

11



| FIELD NUMBER | Cu ppm | Pb ppm | Zn ppm | Ag ppm | As ppm | Ba ppm | Cd ppm | Co ppm | Ni ppm | Fe % | Mo ppm | Cr ppm | Bi ppm | Sb ppm | V ppm | Sn ppm | W ppm | Sr ppm | Y ppm | La ppm | Mn ppm | Mg % | Ti % | Al % | Ca % | Na % | K % |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|--------|------|------|------|------|------|-----|
| 3200E-5000N  | 11     | 21     | 214    | <.4    | <2     | 225    | 1      | 10     | 26     | 2.85 | <2     | 36     | <5     | <5     | 32    | 7      | 7     | 17     | 6     | 5      | 1172   | 1.03 | .09  | 3.44 | .32  | <.01 | .13 |
| 3200E-5050N  | 14     | 21     | 131    | <.4    | 2      | 266    | <1     | 13     | 28     | 3.50 | <2     | 34     | <5     | <5     | 38    | 11     | 5     | 26     | 10    | 6      | 1423   | .50  | .08  | 3.13 | .36  | <.01 | .10 |
| 3200E-5100N  | 30     | 91     | 384    | .5     | 7      | 255    | 2      | 13     | 30     | 4.35 | 3      | 23     | <5     | <5     | 42    | 6      | 6     | 10     | 36    | 19     | 778    | .68  | .08  | 2.97 | .34  | <.01 | .07 |
| 3200E-5150N  | 10     | 17     | 69     | <.4    | 2      | 86     | <1     | 4      | 11     | 1.05 | <2     | 14     | <5     | <5     | 15    | 6      | 2     | 5      | 3     | 3      | 118    | .29  | .02  | .74  | .09  | <.01 | .06 |
| 3200E-5200N  | 12     | 35     | 105    | <.4    | <2     | 99     | <1     | 4      | 15     | 1.58 | <2     | 14     | <5     | <5     | 18    | 7      | <2    | 4      | 3     | <2     | 431    | .25  | .06  | 2.12 | .09  | <.01 | .05 |
| 3200E-5250N  | 7      | 24     | 225    | <.4    | <2     | 194    | 1      | 10     | 24     | 3.45 | <2     | 21     | <5     | <5     | 37    | 5      | <2    | 12     | 2     | <2     | 1691   | .87  | .08  | 2.47 | .40  | <.01 | .07 |
| 3200E-5300N  | 5      | 12     | 46     | <.4    | 6      | 91     | <1     | 3      | 7      | .89  | <2     | 13     | <5     | <5     | 13    | 3      | <2    | 6      | <2    | <2     | 444    | .24  | .03  | .75  | .08  | <.01 | .03 |
| 3200E-5350N  | 8      | 19     | 73     | .5     | 15     | 129    | <1     | 4      | 14     | 1.51 | <2     | 15     | <5     | 5      | 18    | 3      | <2    | 8      | 3     | 2      | 491    | .20  | .07  | 2.94 | .19  | <.01 | .05 |
| 3200E-5400N  | 7      | 20     | 72     | <.4    | 4      | 97     | <1     | 4      | 13     | 1.58 | <2     | 12     | <5     | <5     | 15    | 5      | <2    | 4      | <2    | 2      | 400    | .22  | .06  | 1.79 | .12  | <.01 | .04 |
| 3200E-5450N  | 6      | 16     | 94     | <.4    | 9      | 103    | <1     | 4      | 9      | 1.44 | <2     | 9      | <5     | <5     | 14    | 5      | <2    | 3      | 3     | 3      | 1030   | .12  | .06  | 2.71 | .07  | <.01 | .03 |
| 3200E-5500N  | 6      | 24     | 83     | <.4    | 8      | 110    | <1     | 4      | 9      | 1.72 | <2     | 12     | <5     | <5     | 18    | 6      | <2    | 4      | 4     | 3      | 370    | .21  | .08  | 2.54 | .10  | <.01 | .03 |
| 3200E-5550N  | 4      | 16     | 57     | <.4    | 3      | 93     | <1     | 3      | 7      | 1.12 | <2     | 7      | <5     | <5     | 12    | 3      | 2     | 4      | <2    | <2     | 1257   | .13  | .05  | 1.23 | .07  | <.01 | .02 |
| 3200E-5600N  | 12     | 25     | 76     | .4     | <2     | 75     | <1     | 5      | 15     | 1.88 | <2     | 14     | <5     | <5     | 22    | 5      | 3     | 5      | 5     | 3      | 304    | .30  | .11  | 4.48 | .11  | <.01 | .05 |
| 3200E-5650N  | 6      | 18     | 62     | <.4    | 4      | 90     | <1     | 3      | 9      | 1.68 | <2     | 8      | <5     | <5     | 18    | 8      | <2    | 4      | 2     | <2     | 732    | .13  | .06  | 2.92 | .11  | <.01 | .05 |
| 3200E-5700N  | 2      | 67     | 23     | <.4    | <2     | 45     | <1     | 1      | 2      | .73  | <2     | 4      | <5     | <5     | 7     | 3      | <2    | <2     | <2    | <2     | 250    | .06  | .03  | .59  | .03  | <.01 | .01 |
| 3200E-5750N  | 3      | 16     | 85     | <.4    | 7      | 115    | <1     | 3      | 8      | 1.52 | <2     | 11     | <5     | <5     | 21    | <2     | 2     | 5      | <2    | <2     | 409    | .17  | .07  | 2.82 | .08  | <.01 | .03 |
| 3200E-5800N  | 3      | 11     | 41     | <.4    | 8      | 100    | <1     | 3      | 6      | 1.50 | <2     | 8      | <5     | <5     | 18    | 4      | <2    | 5      | <2    | <2     | 469    | .09  | .09  | 3.32 | .12  | <.01 | .03 |
| 3000E-4750N  | 7      | 39     | 64     | <.4    | 2      | 66     | <1     | 4      | 12     | 1.40 | <2     | 13     | <5     | <5     | 16    | 2      | <2    | 6      | 4     | 5      | 147    | .16  | .06  | 2.10 | .11  | .01  | .04 |
| 3000E-4800N  | 8      | 20     | 93     | <.4    | <2     | 186    | <1     | 6      | 20     | 1.76 | <2     | 15     | <5     | <5     | 17    | 6      | 8     | 16     | 4     | 5      | 1382   | .36  | .06  | 1.89 | .19  | <.01 | .07 |
| 3000E-4850N  | 15     | 19     | 85     | <.4    | <2     | 123    | <1     | 8      | 26     | 2.29 | <2     | 19     | <5     | <5     | 27    | 4      | 2     | 15     | 6     | 4      | 479    | .78  | .07  | 3.02 | .26  | <.01 | .06 |
| 3000E-4900N  | 4      | 23     | 93     | <.4    | <2     | 184    | <1     | 4      | 14     | 1.26 | <2     | 11     | <5     | <5     | 12    | 5      | <2    | 8      | 2     | 3      | 667    | .22  | .04  | 1.17 | .11  | <.01 | .06 |
| 3000E-4950N  | 22     | 36     | 106    | <.4    | 5      | 135    | <1     | 7      | 21     | 2.16 | <2     | 20     | <5     | <5     | 25    | 3      | <2    | 11     | 12    | 11     | 307    | .41  | .10  | 3.47 | .21  | .01  | .10 |
| 3000E-5000N  | 18     | 24     | 107    | <.4    | <2     | 167    | <1     | 6      | 18     | 1.64 | <2     | 19     | <5     | <5     | 20    | 3      | <2    | 12     | 7     | 5      | 680    | .40  | .05  | 1.62 | .23  | <.01 | .13 |
| 3000E-5050N  | 12     | 20     | 87     | <.4    | 9      | 150    | <1     | 5      | 14     | 1.90 | 2      | 14     | <5     | <5     | 17    | 8      | <2    | 9      | 12    | 9      | 292    | .25  | .10  | 4.14 | .16  | .01  | .06 |
| 3000E-5100N  | 21     | 11     | 60     | <.4    | <2     | 96     | <1     | 6      | 17     | 2.33 | <2     | 27     | <5     | <5     | 35    | 10     | 2     | 10     | 8     | 5      | 447    | 1.09 | .08  | 2.00 | .29  | <.01 | .34 |
| 3000E-5150N  | 31     | 11     | 135    | <.4    | <2     | 147    | <1     | 14     | 27     | 4.02 | <2     | 41     | <5     | <5     | 68    | 12     | <2    | 39     | 5     | 2      | 694    | 2.02 | .10  | 3.69 | .52  | .02  | .08 |
| 3000E-5200N  | 19     | 18     | 100    | <.4    | 6      | 155    | <1     | 8      | 19     | 2.07 | <2     | 21     | <5     | <5     | 26    | 5      | <2    | 8      | 8     | 7      | 322    | .51  | .08  | 2.68 | .24  | <.01 | .11 |
| 3000E-5250N  | 6      | 13     | 167    | <.4    | 3      | 390    | <1     | 5      | 12     | 1.50 | <2     | 14     | <5     | <5     | 12    | 9      | 8     | 10     | 2     | 4      | 908    | .23  | .05  | 1.92 | .15  | <.01 | .07 |
| 3000E-5300N  | 6      | 12     | 76     | <.4    | 4      | 162    | <1     | 5      | 13     | 1.59 | <2     | 16     | <5     | <5     | 17    | 8      | <2    | 5      | <2    | <2     | 245    | .26  | .04  | 1.42 | .10  | <.01 | .09 |
| 3000E-5350N  | 8      | 18     | 77     | <.4    | <2     | 145    | <1     | 5      | 12     | 1.52 | <2     | 14     | <5     | <5     | 19    | 6      | 6     | 6      | 2     | <2     | 428    | .32  | .05  | 1.61 | .18  | <.01 | .07 |
| 3000E-5400N  | 9      | 20     | 89     | <.4    | 3      | 124    | <1     | 6      | 18     | 1.77 | <2     | 16     | <5     | <5     | 19    | 2      | 3     | 5      | 4     | 4      | 449    | .39  | .07  | 1.95 | .13  | <.01 | .06 |
| 3000E-5450N  | 7      | 22     | 145    | <.4    | 5      | 203    | <1     | 5      | 15     | 1.68 | <2     | 12     | <5     | <5     | 23    | 6      | 3     | 6      | 3     | 3      | 395    | .17  | .06  | 1.57 | .19  | <.01 | .05 |
| 3000E-5500N  | 8      | 29     | 207    | <.4    | 6      | 108    | <1     | 6      | 21     | 1.56 | <2     | 16     | <5     | <5     | 16    | 4      | 2     | 7      | 7     | 6      | 362    | .35  | .04  | 1.42 | .70  | <.01 | .08 |
| 3000E-5550N  | 6      | 28     | 160    | <.4    | <2     | 183    | 1      | 7      | 12     | 1.92 | <2     | 8      | <5     | <5     | 14    | 9      | <2    | 7      | 13    | 11     | 381    | .20  | .08  | 2.88 | .45  | .01  | .04 |
| 3000E-5600N  | 6      | 23     | 123    | <.4    | <2     | 150    | <1     | 6      | 18     | 1.99 | <2     | 19     | <5     | <5     | 25    | 13     | <2    | 7      | 3     | 2      | 547    | .22  | .08  | 3.29 | .21  | <.01 | .07 |
| 3000E-5650N  | 5      | 15     | 128    | <.4    | 3      | 78     | <1     | 3      | 7      | 1.28 | <2     | 5      | <5     | 5      | 10    | 6      | <2    | 4      | 9     | 6      | 395    | .10  | .09  | 2.47 | .13  | <.01 | .03 |
| 3000E-5700N  | 5      | 16     | 53     | <.4    | 8      | 70     | <1     | 3      | 10     | 1.40 | <2     | 10     | <5     | <5     | 14    | 5      | 2     | 4      | 2     | <2     | 195    | .33  | .05  | 1.67 | .23  | <.01 | .02 |
| 3000E-5750N  | 5      | 15     | 97     | <.4    | <2     | 102    | <1     | 4      | 15     | 1.64 | <2     | 15     | <5     | <5     | 16    | 8      | <2    | 3      | 2     | 2      | 408    | .40  | .04  | 1.52 | .15  | <.01 | .05 |
| 3000E-5800N  | 18     | 21     | 73     | <.4    | 6      | 109    | <1     | 9      | 24     | 2.86 | 2      | 37     | <5     | <5     | 33    | 4      | 3     | 7      | 31    | 21     | 319    | 1.43 | .08  | 3.13 | .65  | <.01 | .06 |
| 2800E-4750N  | 32     | 21     | 40     | <.4    | 7      | 68     | <1     | 14     | 34     | 3.17 | <2     | 40     | <5     | 5      | 38    | 5      | <2    | 10     | 5     | 6      | 560    | 2.01 | .08  | 3.07 | .34  | .01  | .06 |

| FIELD<br>NUMBER | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<br>ppm | As<br>ppm | Ba<br>ppm | Cd<br>ppm | Co<br>ppm | Ni<br>ppm | Fe<br>% | Mo<br>ppm | Cr<br>ppm | Bi<br>ppm | Sb<br>ppm | V<br>ppm | Sn<br>ppm | W<br>ppm | Sr<br>ppm | Y<br>ppm | La<br>ppm | Mn<br>ppm | Mg<br>% | Ti<br>% | Al<br>% | Ca<br>% | Na<br>% | K<br>% |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|---------|---------|---------|---------|---------|--------|
| 2800E-4800N     | 64        | 29        | 93        | <.4       | 3         | 178       | <1        | 14        | 27        | 2.73    | <2        | 37        | <5        | <5        | 38       | 2         | <2       | 17        | 8        | 5         | 679       | 1.67    | .12     | 3.36    | .46     | .01     | .41    |
| 2800E-4850N     | 50        | 166       | 297       | .8        | 16        | 97        | <1        | 9         | 94        | 2.61    | 5         | 32        | <5        | 5         | 26       | 5         | <2       | 23        | 48       | 52        | 844       | .46     | .09     | 2.98    | .41     | <.01    | .11    |
| 2800E-4900N     | 22        | 100       | 373       | <.4       | 18        | 116       | 1         | 8         | 20        | 2.23    | <2        | 21        | <5        | <5        | 25       | 6         | 3        | 8         | 5        | 3         | 655       | .44     | .08     | 2.94    | .32     | <.01    | .08    |
| 2800E-4950N     | 27        | 70        | 130       | <.4       | 10        | 86        | <1        | 7         | 19        | 1.48    | <2        | 20        | <5        | <5        | 22       | 6         | <2       | 6         | 4        | 3         | 338       | .40     | .06     | 1.63    | .18     | <.01    | .09    |
| 2800E-5000N     | 15        | 43        | 115       | <.4       | 4         | 133       | <1        | 8         | 15        | 1.70    | <2        | 14        | <5        | <5        | 25       | 5         | <2       | 10        | 2        | 2         | 629       | .28     | .08     | 2.06    | .16     | <.01    | .04    |
| 2600E-4750N     | 5         | 62        | 144       | <.4       | 11        | 135       | <1        | 3         | 9         | 1.60    | <2        | 8         | <5        | <5        | 15       | 8         | 3        | 5         | <2       | <2        | 600       | .23     | .10     | 1.81    | .13     | <.01    | .05    |
| 2600E-4800N     | 21        | 167       | 409       | <.4       | 18        | 108       | 1         | 8         | 61        | 1.98    | <2        | 20        | <5        | <5        | 21       | 7         | <2       | 6         | 14       | 14        | 940       | .40     | .07     | 1.85    | .18     | <.01    | .11    |
| 2600E-4850N     | 8         | 116       | 415       | <.4       | 11        | 272       | 1         | 8         | 20        | 1.26    | <2        | 17        | <5        | <5        | 13       | 5         | 2        | 27        | 2        | 5         | 2361      | .37     | .05     | 1.02    | .39     | <.01    | .11    |
| 2600E-4900N     | 4         | 66        | 291       | <.4       | 11        | 62        | <1        | 3         | 12        | .97     | <2        | 10        | <5        | <5        | 11       | 3         | <2       | 7         | <2       | <2        | 303       | .18     | .03     | .94     | .10     | <.01    | .06    |
| 2600E-4950N     | 19        | 66        | 247       | <.4       | 19        | 143       | <1        | 10        | 21        | 2.41    | <2        | 21        | <5        | <5        | 37       | 6         | <2       | 15        | <2       | <2        | 769       | .73     | .11     | 1.87    | .22     | <.01    | .18    |