DIGITAL DATA SET

# A WORLD-WIDE COMPILATION OF PUBLISHED, MULTICOMPONENT/ANALYSES OF FERROMANGANESE CONCRETIONS



| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN | FE | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | NI | CU | ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | P | K | RB | [illegible] | [illegible] | [illegible] | CD | MG | V | CR | |
| | | | | Y | SN | TE | [illegible] | [illegible] | [illegible] | GA | GE | ZR | BE | |
| 534 | MER127 | -63.0670 | -3583.0000 | 88000 | 124000 | 39160 | 15644 | 17900 | 4600 | 1400 | 2700 | 1300 | 580 |
| | | 178.4830 | | - | - | - | 1100 | 50 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |
| 532 | MER128 | -64.1830 | -2932.0000 | 148000 | 110000 | 24343 | 113578 | 15200 | 6300 | 1700 | 7000 | 2900 | 1000 |
| | | -165.9330 | | - | - | - | 1000 | 110 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 532 | MER129 | -64.1830 | -2932.0000 | 142000 | 108000 | 24872 | 129937 | 14400 | 5800 | 1500 | 6800 | 3600 | 1200 |
| | | -165.9330 | | - | - | - | 1000 | 120 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 532 | WIL123 | -60.0000 | - - | 122100 | 140400 | - | 122458 | 12300 | - | 1520 | 2550 | 1590 | 452 |
| | | -160.0000 | | 1091 | - | - | 788 | 234 | - | - | - | - | - |
| | | | | 90 | - | - | 848 | - | - | 17 | - | 653 | - |
| 523 | LAM167 | -60.1330 | - - | 63000 | 109000 | - | - | - | - | 1100 | 1200 | 700 | - |
| | | -74.9160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA01 | -56.4500 | -3750.0000 | 169980 | 122000 | 34000 | 160000 | 20726 | 6900 | 900 | 4800 | 2300 | 1200 |
| | | 140.0600 | | 1600 | 14000 | - | 800 | 500 | - | - | 9649 | 300 | - |
| | | | | - | - | - | 900 | - | - | - | - | 500 | - |
| 501 | OSFA02 | -56.4500 | -3750.0000 | 421224 | 16785 | 1587 | 4673 | 28587 | - | - | 3000 | - | - |
| | | 140.0600 | | - | - | - | - | - | - | - | 18696 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA03 | -56.4500 | -3750.0000 | 178195 | 349699 | 10054 | 64968 | 15008 | - | - | 36000 | 8000 | - |
| | | 140.0600 | | - | - | - | - | - | - | - | 7840 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA04 | -56.4500 | -3750.0000 | 447384 | 48258 | 5291 | 8413 | 20726 | - | 4000 | 8000 | 4000 | - |
| | | 140.0600 | | - | - | - | - | - | - | - | 21711 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA05 | -56.4500 | -3750.0000 | - | - | - | - | - | - | 4000 | 40000 | 15000 | - |
| | | 140.0600 | | - | - | - | - | - | - | - | - | - | - |

WCG 00 5001

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# A WORLD-WIDE COMPILATION OF PUBLISHED, MULTICOMPONENT/ANALYSES OF FERROMANGANESE CONCRETIONS

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NSF-IDOE
Manganese Nodule Project
Technical Report No. 12
August, 1976

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## A. INTRODUCTION

The available chemical analyses of manganese nodules are scattered throughout the literature thus making a thorough survey of the regional variations in nodule chemistry extremely time consuming. We sought to overcome this problem by gathering together all of the available published analyses of manganese nodules.

This Technical Report is an exhaustive compilation based on a search of the scientific literature (including Russian) since the *Challenger* Report. It differs from previous compilations in that it includes the complete set of major and minor element analyses presented by the authors. Also included is data for "fossil" nodules found in geological formations on land and for fresh water nodules. The complete data file has been organized for the computer and is stored on magnetic tape. This magnetic tape is available from Dr. J. M. Monget (Ecole Des Mines - Paris). The data file management is outlined in the next section.

This compilation was essentially completed in August 1973 for use in the statistical analyses of the regional variations in nodule chemistry and thus does not pretend to be the final word. This cutoff was necessary only so that the compilation could be printed. Newly published data are being added continuously to the compilation and we offer our apologies for any mistakes we have made and sincerely hope that errors and analyses we have missed will be brought to our attention. We anticipate that we will publish a corrected and updated version in the future.

## B. THE COMPILATION

The compilation is organized into three sections: Geological, Lake and Marine. Within each of these classifications the nodules are listed by location using the Marsden Square code. For reference, a map of the world showing Marsden Squares is shown in Figure 1.

Each nodule has been given a code that includes an abbreviation of the authors last names and a number which simply refers to the sequence in which the nodules were reported by the authors. This number is not the number used by the author. A list of the codes and the references they refer to are found in Table 1. The complete references are found in the bibliography.

The latitude, longitude and depth of each nodule are given when available. For many analyses no location information was given and thus they could not be assigned a Marsden Square. These analyses are listed at the end of each of the three sections. A minus latitude is south and a minus longitude is west of Greenwich. The positive depths given for the "fossil" nodules refer to the elevation above sea level where the nodules were found.

Finally, the chemical analyses are given in ppm as elements. Data are included for manganese, iron, aluminum, silica, calcium, titanium, cobalt, nickel, copper, zinc, phosphorus, potassium, rubidium, strontium, molybdenum, silver, cadmium, magnesium, vanadium, chromium, yttrium, tin, tellurium, lead lanthanum, tungsten, gallium, germanium, zirconium and beryllium.

## C. DATA MANAGEMENT AND DESCRIPTION

We present here the file management and coding schemes which have been used to organize this compilation on the computer. Not all of the information stored on magnetic tape has been reproduced in the enclosed compilation.

*The Data Coding Scheme*

The data coding is organized in six sections which contain the following information:

- sample identification
- metal concentrations expressed in percent of oxides
- metal concentrations expressed in p.p.m.
- concentrations in various components such as $H_2O$, $O_2$....etc., as well as loss at ignition
- information regarding the geographical description of the sample
- information regarding the description and geologic environment of the sample

The data format images which are linked to each of these sections are organized as follows.

| Sample Identification | Columns |
|---|---|
| - Nodule code | 1 - 6 |
| - Station idenitfication | 7 - 16 |
| - Name of the analyst (if available) | 17 - 26 |
| - Name of the author | 27 - 36 |
| - Method of analysis | 37 - 46 |

Methods of chemical analyses were referenced using the following codes:

- SPECTRO-CØ = Emission spectrography
- WETCHEM-CØ = Wet chemical analysis
- ATOMIC-ABS = Atomic absorption spectrometry
- NEUTRON-ACT = Radiometric measurement by neutron flux activation
- X-RAYFLUØR = Spectrometric measurement by X-ray fluorescence
- MICRO-PRØB = Microprobe analysis

Concentrations in oxides

| | |
|---|---|
| - Nodule code | 1 - 6 |
| - Oxide code | 7 - 10 |
| - Unit | 11 |
| - Concentration | 12 - 15 |

Concentrations in elements

| | |
|---|---|
| - Nodule code | 1 - 6 |
| - Element code | 7 - 8 |
| - Unit | 9 |
| - Concentration | 10 - 15 |

Various components and residuals

| | |
|---|---|
| - Nodule code | 1 - 6 |
| - Item code | 7 - 11 |
| - Unit | 12 |
| - Concentration | 13 - 16 |

In this section are stored the concentrations in the following components:

- CACØ3, CASØ4, CAPØ4, $CØ_2$, CL
- S, $SØ_2$, $H_2Ø$, $H_2Ø_+$, $H_2Ø_-$
- $Ø_2$ = free oxygen
- C.ØRG = organic carbon
- DRLØ = loss at drying
- IGLØ = loss at ignition

Geography

- Nodule code 1 - 6
- Geographic item 7 - 10
- Value a code 11 - 20

Three types of information are included in this section:

- LAT = Latitude
- LØN = Longitude
- ALT = Depth or altitude of sample

Positives altitudes may appear for lake or geologic nodules.

Description and environment

- Nodule code 1 - 6
- Type of information 7 - 10
- Code 11 - 20

This section contains two types of information:

- GEO = Wide category of environment to which are related the following codes:
  - SEA - FLØØR
  - SHALLØW - WT
  - LAND ØRE
- TYPE = Description of the general morphology of the sample such as:
  - NØDULE
  - CRUST
  - CONCRETION
  - COATING

This data coding scheme was chosen for its flexibility in the coding itself because text and numerals can be intermixed. It also presents the

capability of being very easily extended in order to include more complex information such as the mineralogy of the samples or the description of the associated sediments.

*File Management*

The nodule code, which is a six character word, is used to link all the items related to the same nodule described in the previous sections.

Each item is punched on cards and is processed by a specific program whose name can be found in Fig. 2. They are all merged in one file which is sorted by nodule code so that the records related to a specific sample are clustered together.

Fig. 3 displays such a cluster of records for a data sample published in MERO - 1965.

*Data Display*

Various computer programs have been developed in order to display the recorded data using various criterion such as:

- geographical location
- type of metal analysed
- name of the author

Some crude statistical scheme can also be selected in order to summarize the information related to samples which have the same location or which are very close to one another. The available statistics are of three types: average, maximum and minimum.

## D. ACKNOWLEDGEMENTS

This world-wide compilation of data regarding the geochemistry of manganese nodules is due to the part time work of a number of individuals whose names and institutions are listed hereafter: B. Bornold (Bedfort Institute - Canada), J. Mascle (CNEXO - France), J. M. Monget (Ecole des Mines - France), J. W. Murray (Univ. Washington - USA) and W. Young (Woods Hole Ocean. Inst. - USA).

We have benefited in particular from the advice of Dr. F. Manheim to whom we are particularly indebted for having constantly encouraged us in pursuing this work.

We also thank very much Dr. S. Gerard for his interest and patience which have enabled us to pursue this compilation to the end.

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Table 1

List of codes used in the compilation and the references they refer to. The complete references are given in the bibliography.

## LAKE NODULES

| | | |
|---|---|---|
| CALL | Callender E. | (1973) |
| CAP | Calvert S.E. and Price N.B. | (1970) |
| DEAN | Dean W.E. | (1970) |
| EDGT | Edgington D.N. and Callender E. | (1970) |
| GOSW | Gorham E. and Swaine D.J. | (1965) |
| H-T | Harriss R.C. and Troup A.G. | (1969) |
| KIND | Kindle E.M.<br>Kindle E.M. | (1932<br>(1932) |
| ROCA | Rossman R. and Callender E. | (1968) |
| ROSC | Rossman R. and Callender E. | (1969) |
| SF | Schoettle M. and Friedman G.M. | (1971) |
| TWMN | Twenhofel H., McKelvey V.E.,<br>Nelseon H.F., and Feray D.E. | (1945) |

## FOSSIL NODULES

| | | |
|---|---|---|
| AUCH | Audley-Charles M.G. | (1965) |
| BOUR | Bourbon M. | (1974) |
| GR | Gulbrandson R.A. and Reeser D.W. | (1969) |
| MASC | Mascle G. | (1972) |
| SIGT | Signal J. and Truillet R | (1966) |

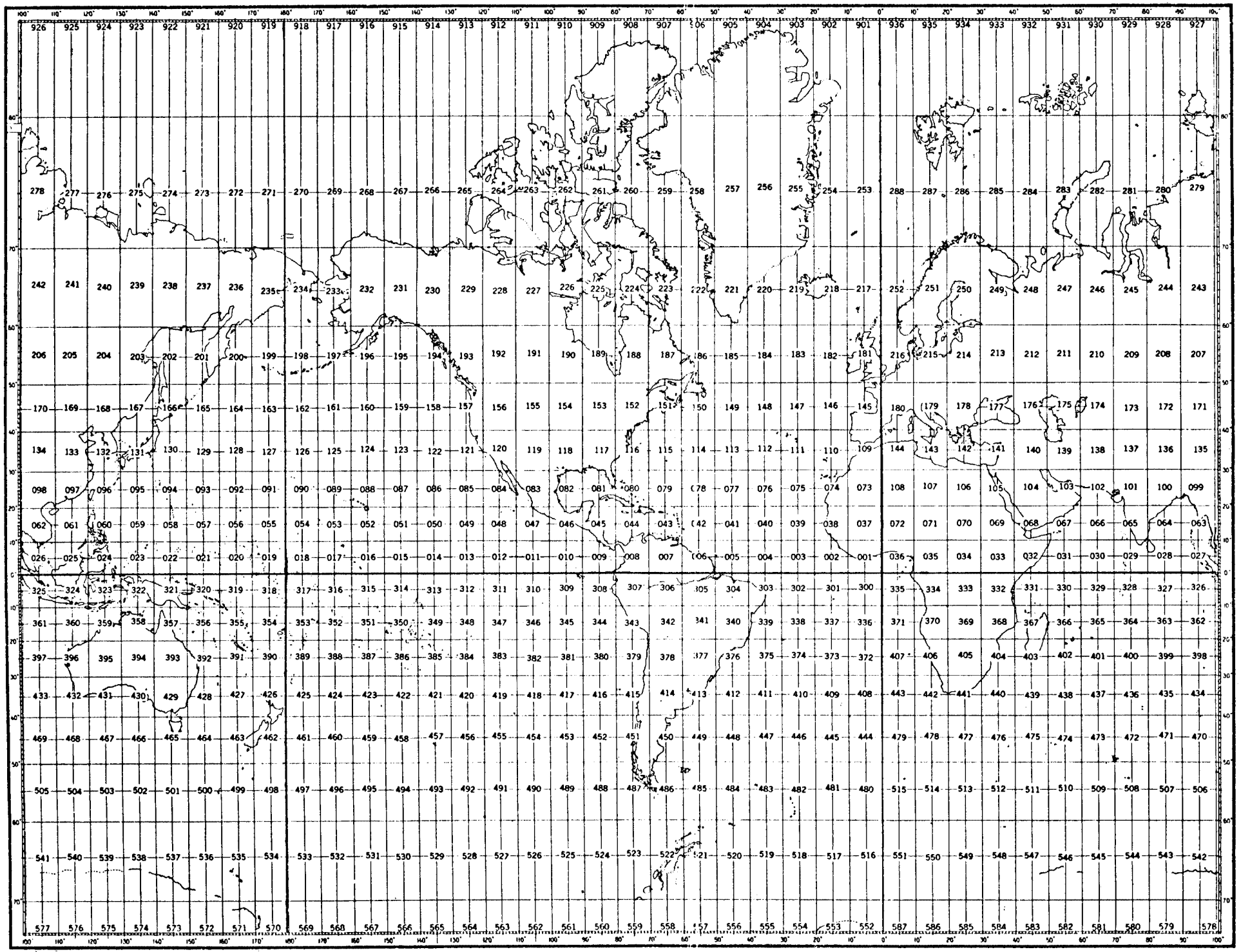
## MARINE NODULES


| | | |
|---|---|---|
| ANON | Anon | (1968) |
| ARGO | Arrhenius G.O.S. and Goldberg E.D. | (1958) |
| AULP | Aumento F., Lawrence D.E. and Plant A.G. | (1968) |
| BARN | Barnes S.S. | (1967) |
| BEAN | Bezrukov P.L. and Andrushchenko P.F. | (1973) |
| BOJO | Bonatti E. and Joensuu O. | (1966) |
| BUCH | Buchanan J.Y. | (1891) |
| BUFU | Burns R.G. and Fuerstenau D.W. | (1966) |
| COLL | Collet | (1908) |
| CRON | Cronan D.S. and Tooms J.S. | (1967) |
| CROT | Cronan D.S. and Tooms J.S. | (1969) |
| CROI | Cronan D.S. and Tooms J.S. | (1969) |
| CRTH | Cronan D.S. | (1967) |
| CTMI | Cronan D.S. and Tooms J.S. | (1968) |
| DERY | Deryugin K.M. | (1928) |
| DICH | Dietz R.S. | (1955) |
| ELWA | El Wakeel S.K. and Riley J.P. | (1961) |
| FEMO | Fein C.D. and Morgenstein M. | (1973) |
| GLAS | Glasby G.P. | (1972) |
| GOLD | Goldberg E.D. | (1954) |
| GORS | Gorshkova T.I. | (1931) |
| | Gorshkova T.I. | (1931) |

| | | |
|---|---|---|
| GRAN | Grant J.B. | (1967) |
| GRMU | Grill E.V.,Murray J.W. and MacDonald R.D. | (1968) |
| GTC | Glasby G.P.,Tooms J.S. and Cann J.R. | (1971) |
| GUTH | Gumbel C.W. | (1878) |
| HEWE | Hewett D.F.,Fleischer,Michael and Conklin | (1963) |
| LAMO | Lamont-Doherty Geological Observatory in Horn D.R.,Delach M.N. and Horn B.M. | (1973) |
| LAMI | Lamont-Doherty Geological Observatory in Horn D.R.,Delach M.N. and Horn B.M. | (1973) |
| LAQU | Laque F.L. | (1971) |
| MANH | Manheim F.T. | (1965) |
| MERO | Mero J.L. | (1965) |
| MERI | Mero J.L. | (1965) |
| MGH | Menard H.W.,Goldberg E.D. and Hawkes H.E. | |
| MURI | Murray J. and Irvine R. | (1894) |
| MURR | Murray J. and Renard A.F. | (1891) |
| NIIN | Niino H. | (1959) |
| NIKO | Nikolayev D.S. and Yefimova E.R. | (1963) |
| OSFA | Ostwald J. and Frazer F.W. | (1973) |
| PABA | Pachadzhanov D.N.,Bandurkin G.A., Migdivsov A.A. and Giren Y.P. | (1963) |
| RAAB | Raab W. | (1972) |
| RAAI | Raab W. | (1972) |
| RAPE | Rancitelli L.A.,and Perkins R.W. | (1973) |
| SAN | Skornyakova N.V. and Andruschenko P.F. | (1970) |
| SCRI | Scripps Institution of Oceanography Sediment Data Bank | |

| | | |
|---|---|---|
| SGG | Smith R.E., Gassaway J.D. and Giles H.N. | (1968) |
| SKOR | Skornyakova N.V.,Andruschenko P.F. and Fomina L.S. | (1962) |
| STSH | Strakhov N.M., Shterenberg L.Y. and Kalinenko V.O. | (1968) |
| SUMM | Summerhayes C.P. | (1967) |
| SUWI | Summerhayes C.P. and Willis J.P. | (1973) |
| VHBA | Van Hecke M.C. and Bartlett R.W. | (1973) |
| W-A | Ahrens L.H.,Willis J.P. and Oosthuizen C.O. | (1967) |
| WHOI | Hathaway and Manheim F.T. | (1971) |
| WILI | Willis J.P. | (1970) |
| WILL | Willis J.P. and Ahrens L.N. | (1962) |
| WINT | Winterhalter B. | (1966) |

FIGURE 1



MARSDEN SQUARE CHART

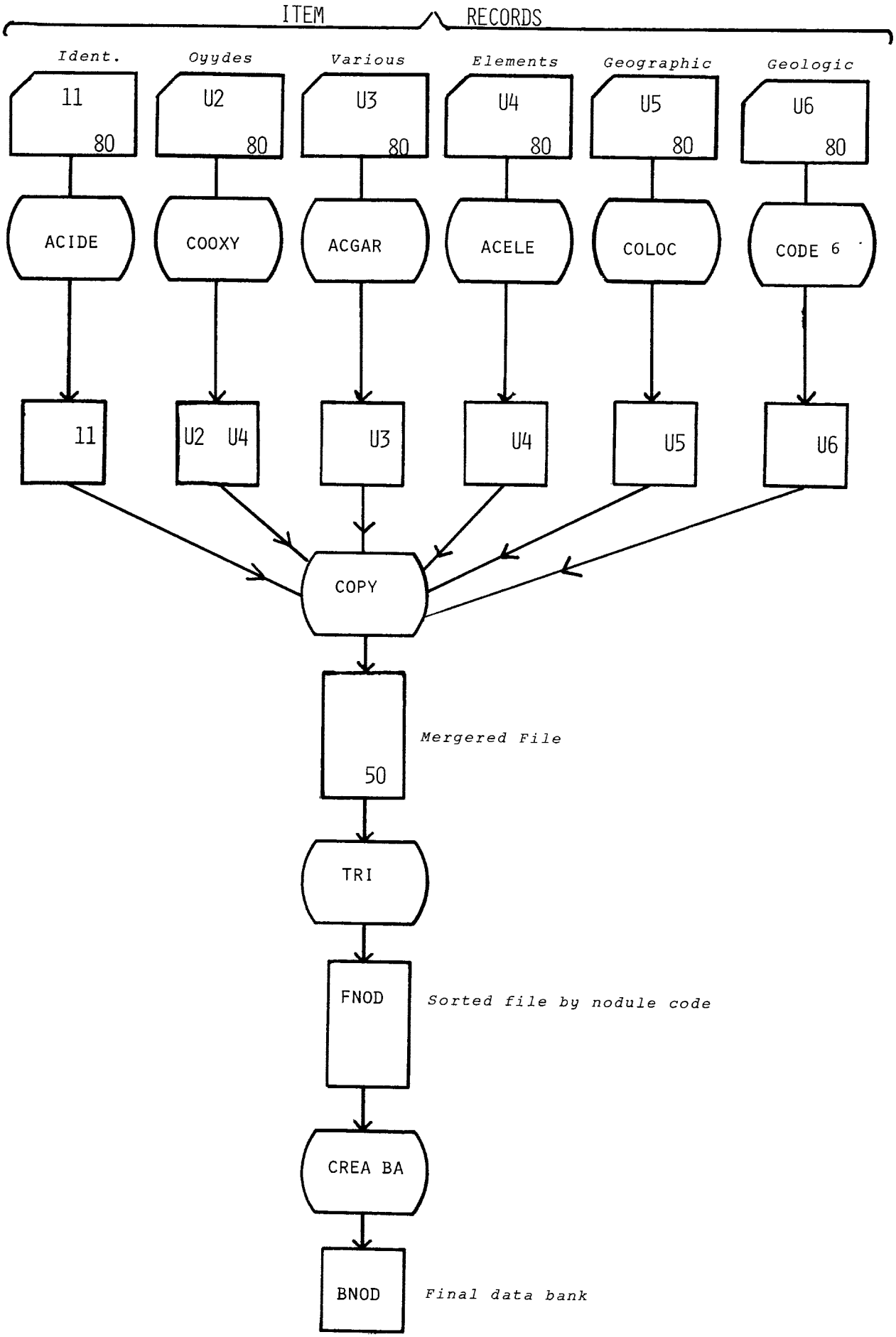



FIGURE 2

FLOW CHART OF THE NODULE FILE MANAGEMENT

```
MER114CHAL299            MERO   SPECTRO.C011
MER114AL2OP 4.70                          02
MER114S1O2P12.20                          02
MER114H2O  P118                           03
MER1141GLO P180                           03
MER114PBP   16                            04
MER114SRP   2                             04
MER114CAP 13                              04
MER114K P  6                              04
MER114MNP29                               04
MER114TIP  14                             04
MER114CUP  15                             04
MER114NIP  15                             04
MER114COP    8                            04
MER114FEP 25                              04
MER114MOP   47                            04
MER114BAP  2                              04
MER114ZNP   7                             04
MER114ALP 24872                           04
MER114SIP 57022                           04
MER114ALT -3950.0000                      05
MER114LAT   -33.5170                      05
MER114LONG  -74.7170                      05
MER114GEO SEA-FLOOR                       06
MER114TYPENODULE                          06
```

FIGURE 3

EXAMPLE OF RECORDS RELATED TO THE SAME SAMPLE AND STORED IN THE FINAL DATA BANK

# GEOLOGIC DATA

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 156 | GR 01 | 45.0000 | - | - | 144735 | 4266 | 29635 | 179948 | 100057 | 479 | 2200 | 13000 | 205 | 25000 |
| | | -113.0000 | | | 9172 | - | - | 100 | 70 | - | 1200 | 1387 | 700 | 70 |
| | | | | | 20 | - | 1 | - | - | - | - | - | 70 | - |
| 156 | GR 02 | 45.0000 | - | - | 57847 | 3846 | 18521 | 232765 | 98628 | 599 | 800 | 6800 | 150 | 14000 |
| | | -113.0000 | | | 8299 | - | - | 100 | 50 | - | 500 | 25330 | 700 | 100 |
| | | | | | 30 | - | 1 | - | - | - | - | - | 150 | - |
| 144 | BOOR29 | 30.0400 | - | - | 78601 | 777 | 20109 | 60995 | 164380 | 3537 | 744 | 1070 | 171 | 268 |
| | | 2.8300 | | | 2795 | 9962 | - | 190 | 44 | - | - | 7538 | 448 | 8 |
| | | | | | 211 | 24 | - | 850 | - | - | 13 | - | - | - |
| 144 | BOOR32 | 30.0000 | - | - | 18512 | 25877 | 7408 | 34587 | 326617 | 387 | 606 | 825 | 69 | 48 |
| | | 2.8800 | | | - | 415 | - | 510 | - | - | 5 | 8684 | 209 | 6 |
| | | | | | - | 2 | - | 35 | - | - | 6 | - | - | - |
| 144 | BOOR35 | 30.0000 | - | - | 11525 | 85326 | 20638 | 132741 | 198686 | 2517 | 1400 | - | 16 | 730 |
| | | 2.8700 | | | - | 581 | - | 320 | - | - | 12 | 15379 | 344 | 5 |
| | | | | | - | 2 | - | 69 | - | - | 12 | - | - | - |
| 144 | BOOR36 | 30.0000 | - | - | 13181 | 63645 | 20638 | 108436 | 236565 | 2162 | 1330 | - | 37 | 523 |
| | | 2.8700 | | | - | 664 | - | 312 | - | - | 11 | 14534 | 240 | 5 |
| | | | | | - | 2 | - | 78 | - | - | 12 | - | - | - |
| 144 | BOOR37 | 30.0000 | - | - | 17143 | 79731 | 18521 | 95349 | 242997 | 2185 | 1240 | - | 17 | 529 |
| | | 2.8700 | | | - | 830 | - | 328 | - | - | 12 | 12725 | 260 | 5 |
| | | | | | - | 2 | - | 66 | - | - | 11 | - | - | - |
| 144 | BOOR38 | 30.0000 | - | - | 34142 | 7693 | 16405 | 64968 | 303032 | 959 | 180 | 326 | 107 | 81 |
| | | 2.8700 | | | - | 3403 | - | 327 | - | - | - | 4523 | 55 | 5 |
| | | | | | - | 150 | - | 43 | - | - | 2 | - | - | - |
| 144 | BOOR39 | 30.0000 | - | - | 9436 | 144775 | 20638 | 101425 | 195827 | 3237 | 378 | 31100 | 105 | 24 |
| | | 2.8700 | | | - | 2573 | - | 253 | - | - | 15 | 11519 | 448 | 5 |
| | | | | | - | 5 | - | 12 | - | - | 2 | - | - | - |
| 144 | BOOR40 | 30.0000 | - | - | 3616 | 62246 | 38631 | 39261 | 272300 | 1079 | 1020 | - | 82 | 454 |
| | | 2.8700 | | | - | 498 | - | 520 | - | - | 11 | 26958 | 349 | 5 |
| | | | | | - | 2 | - | 2 | - | - | 12 | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | BOOR41 | 30.0000 | - - | 4091 | 64344 | 42865 | 45337 | 255862 | 2457 | 1050 | - | 192 | 477 |
| | | 2.8700 | | - | 498 | - | 449 | - | - | 13 | 32024 | 268 | 53 |
| | | | | - | 2 | - | 2 | - | - | 12 | - | - | - |
| 144 | BOOR42 | 30.0000 | - - | 7181 | 112603 | 44452 | 52816 | 212980 | 2817 | 979 | - | 154 | 607 |
| | | 2.8700 | | - | 415 | - | 377 | - | - | 14 | 33773 | 596 | 5 |
| | | | | - | 2 | - | 31 | - | - | 16 | - | - | - |
| 144 | MASC01 | 37.3455 | 720.0000 | 8053 | 307870 | 14288 | 33559 | 28659 | 779 | - | - | - | - |
| | | 3.6300 | | 1441 | 4150 | - | - | - | - | - | 27380 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 144 | MASC03 | 37.3055 | 300.0000 | 18956 | 324777 | 14182 | 7945 | 146727 | 1498 | 300 | 1000 | - | - |
| | | 3.3220 | | 4979 | 1328 | - | - | - | - | - | 6995 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 144 | MASC04 | 37.5717 | 680.0000 | 44106 | 59433 | 11377 | 18181 | 287023 | 2218 | - | - | - | - |
| | | 3.2150 | | 3712 | 4150 | - | - | - | - | - | 4824 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 144 | MASC06 | 37.3652 | 480.0000 | 131403 | 86454 | 6932 | 12666 | 217626 | 1378 | 1400 | 1400 | - | - |
| | | 3.3200 | | 917 | 4815 | - | - | - | - | - | 6573 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 144 | MASC07 | 37.5805 | 1000.0000 | 121019 | 204804 | 9843 | 9534 | 164309 | 4616 | 800 | 1200 | - | - |
| | | 3.4700 | | 1441 | 4150 | - | - | - | - | - | 5910 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 143 | MASC02 | 37.5222 | 700.0000 | 3917 | 384063 | 31804 | 85253 | 25586 | 1918 | 100 | - | - | - |
| | | 13.2045 | | 10177 | 7139 | - | - | - | - | - | 5427 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 143 | MASC05 | 37.5140 | 975.0000 | 75954 | 96569 | 7197 | 6076 | 259364 | 2937 | 1000 | 1200 | - | - |
| | | 13.2026 | | 1266 | 996 | - | - | - | - | - | 5246 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 143 | SIGT01 | 37.8000 | 100.0000 | 62000 | 187000 | 27000 | - | 109000 | 6400 | - | - | - | - |
| | | 15.2000 | | 17200 | - | - | - | - | - | - | 33000 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | SIGT02 | 37.8000 | 100.0000 | 118000 | 156500 | 23000 | - | 130000 | 4400 | - | - | - | - |
| | | 15.2000 | | 17200 | - | - | - | - | - | - | 37500 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 108 | BOUR01 | 29.8500 | - - | 6427 | 10071 | - | - | 394394 | - | 63 | 158 | 51 | - |
| | | 2.8600 | | 5678 | - | - | 360 | - | - | - | - | 28 | 63 |
| | | | | 20 | - | - | 19 | - | - | - | - | - | - |
| 108 | BOUR02 | 29.8500 | - - | 77 | 6714 | - | - | 106106 | - | 42 | 60 | 106 | 76 |
| | | 2.8600 | | 27518 | - | - | 700 | - | - | - | - | 85 | 42 |
| | | | | 310 | - | - | 6 | - | - | - | - | - | - |
| 108 | BOUR03 | 29.9000 | - - | 31363 | 14827 | - | - | 268288 | - | 75 | 106 | 16 | 24 |
| | | 2.7800 | | 1485 | - | - | 2200 | - | - | - | - | - | - |
| | | | | 32 | - | - | 22 | - | - | - | - | - | - |
| 108 | BOUR04 | 29.9000 | - - | 24393 | 26926 | - | - | 282282 | - | 187 | 287 | 11 | 72 |
| | | 2.7800 | | 3843 | - | - | 970 | - | - | - | - | 115 | - |
| | | | | 23 | - | - | 53 | - | - | - | - | - | - |
| 108 | BOUR05 | 29.9000 | - - | 4646 | 45460 | - | - | 260260 | - | 46 | 343 | 58 | 84 |
| | | 2.7800 | | 3407 | - | - | 600 | - | - | - | - | 110 | 6 |
| | | | | 10 | - | - | 76 | - | - | - | - | - | - |
| 108 | BOUR06 | 29.6000 | - - | 6195 | 32172 | - | - | 156957 | - | - | - | - | - |
| | | 2.9600 | | 36909 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 108 | BOUR07 | 29.6000 | - - | 34847 | 23639 | - | - | 204604 | - | 415 | 800 | 195 | 215 |
| | | 2.9600 | | 39311 | - | - | 785 | - | - | - | - | 102 | 40 |
| | | | | 130 | - | - | 370 | - | - | - | - | - | - |
| 108 | BOUR08 | 29.6000 | - - | 41430 | 93020 | - | - | 108909 | - | 830 | 1130 | 500 | 300 |
| | | 2.9600 | | 38875 | - | - | 1100 | - | - | - | - | 162 | 20 |
| | | | | 205 | - | - | 1050 | - | - | - | - | - | - |
| 108 | BOUR09 | 29.7000 | - - | 28265 | 2447 | - | - | 355555 | - | 207 | 56 | 8 | 50 |
| | | 3.0100 | | 436 | - | - | 275 | - | - | - | - | 22 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108 | BOUR10 | 29.7000 | - | - | 12080 | 5175 | - | - | 246246 | - | 1730 | 1400 | 105 | 220 |
| | | 3.0100 | | | 10483 | - | - | 550 | - | - | - | - | 90 | - |
| | | | | | 80 | - | - | 48 | - | - | - | - | - | - |
| 108 | BOUR11 | 29.7000 | - | - | 13784 | 1049 | - | - | 290690 | - | 1000 | 1100 | 70 | 130 |
| | | 3.0100 | | | 1048 | - | - | 500 | - | - | - | - | 70 | - |
| | | | | | 30 | - | - | 70 | - | - | - | - | - | - |
| 108 | BOUR12 | 29.7000 | - | - | 27336 | 839 | - | - | 181782 | - | 950 | 770 | 88 | 135 |
| | | 3.0100 | | | 2795 | - | - | 490 | - | - | - | - | - | - |
| | | | | | - | - | - | 73 | - | - | - | - | - | - |
| 108 | BOUR13 | 29.9000 | - | - | 2942 | 2642 | 20109 | 142556 | 171527 | 3117 | 122 | 345 | 50 | 88 |
| | | 2.9000 | | | 17908 | 4732 | - | 240 | 10 | 1 | 6 | 5729 | 497 | 46 |
| | | | | | 245 | 42 | - | 106 | - | - | 12 | 6 | - | 3 |
| 108 | BOUR14 | 29.9000 | - | - | 2090 | 10490 | 17198 | 51881 | 311609 | 539 | 208 | 540 | 255 | 124 |
| | | 2.9000 | | | 115751 | 5811 | - | 870 | 32 | 1 | 10 | 16283 | 116 | 77 |
| | | | | | 403 | 17 | - | 97 | - | - | 15 | - | - | - |
| 108 | BOUR15 | 29.9000 | - | - | 6195 | 117499 | 14023 | 44870 | 265153 | 3297 | 86 | 193 | 157 | 32 |
| | | 2.9000 | | | 17035 | 4150 | - | 400 | 8 | 1 | 6 | 3317 | 210 | 20 |
| | | | | | 73 | 10 | - | 93 | - | - | 7 | - | - | - |
| 108 | BOUR16 | 29.9000 | - | - | 3871 | 6218 | 18521 | 63098 | 294813 | 1198 | 289 | 622 | 129 | 127 |
| | | 2.8000 | | | 122303 | 4566 | - | 530 | 25 | 1 | - | 11458 | 112 | 34 |
| | | | | | 216 | 20 | - | 72 | - | - | 16 | - | - | - |
| 108 | BOUR17 | 29.9000 | - | - | 3562 | 40215 | 16934 | 88338 | 263366 | 1318 | 30 | 121 | 37 | 20 |
| | | 2.7600 | | | 6333 | 5396 | - | 500 | - | - | - | 8443 | 61 | - |
| | | | | | - | 3 | - | 72 | - | - | 5 | - | - | - |
| 108 | BOUR18 | 29.8000 | - | - | 298 | 544 | 9102 | 58892 | 325545 | 1019 | 5 | 21 | 24 | 20 |
| | | 2.8700 | | | 79060 | 9962 | - | 540 | - | 1 | - | 12061 | 10 | - |
| | | | | | 158 | 2 | - | 13 | - | - | 8 | - | - | - |
| 108 | BOUR19 | 29.9000 | - | - | 1626 | 20209 | 13494 | 72914 | 278018 | 599 | 48 | 78 | 127 | 141 |
| | | 2.7800 | | | 71635 | 830 | - | 540 | 14 | 1 | - | 12665 | 211 | 142 |
| | | | | | 251 | 11 | - | 62 | - | - | 9 | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108 | BOUR20 | 29.9000 | - | - | 3550 | 15736 | 13388 | 77588 | 292669 | 1198 | 70 | 178 | 94 | 136 |
| | | 2.8000 | | | 53726 | 332 | - | 500 | 48 | - | - | 7237 | 181 | 23 |
| | | | | | 378 | 19 | - | 800 | - | - | 8 | - | - | - |
| 108 | BOUR21 | 29.8500 | - | - | 232 | 17100 | 14288 | 171535 | 210121 | 1378 | 126 | 305 | 300 | 144 |
| | | 2.8700 | | | 88670 | 830 | - | 630 | 24 | 1 | - | 12061 | 218 | 47 |
| | | | | | 576 | 4 | - | 24 | - | - | 14 | - | - | - |
| 108 | BOUR22 | 29.8500 | - | - | 500 | 16323 | 16934 | 144426 | 237637 | 839 | 101 | 198 | 228 | 145 |
| | | 2.8700 | | | 71635 | 498 | - | 420 | 14 | 1 | - | 11157 | 146 | 25 |
| | | | | | 536 | 2 | - | 12 | - | - | 10 | - | - | - |
| 108 | BOUR23 | 29.8500 | - | - | 1006 | 29724 | 6879 | 74316 | 299101 | 1198 | 50 | 209 | 109 | 85 |
| | | 2.8700 | | | 19044 | 830 | - | 285 | 16 | - | - | 8141 | 162 | 12 |
| | | | | | 160 | - | - | 51 | - | - | 6 | - | - | - |
| 108 | BOUR24 | 29.8500 | - | - | 232 | 20209 | 12700 | 188829 | 191539 | 1498 | 60 | 172 | 240 | 130 |
| | | 2.8700 | | | 84302 | 498 | - | 355 | 7 | - | - | 8141 | 142 | 26 |
| | | | | | 430 | - | - | 4 | - | - | 10 | - | - | - |
| 108 | BOUR25 | 29.8500 | - | - | 783 | 10571 | 5397 | 107969 | 281591 | 1019 | 133 | 225 | 274 | 115 |
| | | 2.8700 | | | 62680 | 1245 | - | 500 | 26 | - | - | 12363 | 142 | 30 |
| | | | | | 544 | - | - | 22 | - | - | 9 | - | - | - |
| 108 | BOUR26 | 29.8500 | - | - | 1161 | 14687 | 9419 | 81794 | 280519 | 1498 | 89 | 198 | 258 | 60 |
| | | 2.8700 | | | 4586 | 830 | - | 205 | 16 | - | - | 13268 | 162 | 20 |
| | | | | | 110 | - | - | 54 | - | - | 6 | - | - | - |
| 108 | BOUR27 | 29.8500 | - | - | 605 | 4196 | 6244 | 153774 | 249072 | 1139 | 29 | 86 | 310 | 63 |
| | | 2.8700 | | | 73382 | 1660 | - | 410 | 7 | - | - | 5729 | 75 | 22 |
| | | | | | 563 | - | - | 24 | - | - | 6 | - | - | - |
| 108 | BOUR28 | 29.8500 | - | - | 800 | 5829 | 9260 | 88338 | 192968 | 1079 | 40 | 158 | 27 | 88 |
| | | 2.8600 | | | 22276 | 1245 | - | 535 | 14 | - | - | 8744 | 660 | 40 |
| | | | | | 314 | - | - | 68 | - | - | 10 | - | - | - |
| 108 | BOUR30 | 29.6000 | - | - | 23619 | 4275 | 6879 | 78289 | 255147 | 1318 | 788 | 1400 | 75 | 500 |
| | | 2.9600 | | | 89980 | 1660 | - | 890 | 32 | - | 10 | 9649 | 214 | 37 |
| | | | | | 623 | 126 | - | 500 | - | - | 14 | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108 | BOUR31 | 29.6000 | - | - | 6582 | 16323 | 8467 | 93947 | 285879 | 599 | 53 | 205 | 21 | 74 |
| | | 2.9600 | | | 19219 | 498 | - | 715 | 20 | - | 6 | 7538 | 90 | 62 |
| | | | | | 146 | 2 | - | 5 | - | - | 6 | - | - | - |
| 108 | BOUR33 | 29.8000 | - | - | 14118 | 4895 | 6879 | 14489 | 360923 | 479 | 105 | 139 | 31 | 5 |
| | | 2.6700 | | | - | 1079 | - | 686 | - | - | - | 4462 | 78 | 5 |
| | | | | | - | 5 | - | 40 | - | - | 2 | - | - | - |
| 108 | BOUR34 | 29.8000 | - | - | 218 | 20981 | 31222 | 59359 | 300173 | 541 | 24 | 74 | 20 | 7 |
| | | 2.6700 | | | - | 16853 | - | 600 | - | - | 8 | 6935 | 5 | 24 |
| | | | | | - | 2 | - | 2 | - | - | 2 | - | - | - |
| 108 | BOUR43 | 29.9000 | - | - | 2328 | 34969 | 21697 | 107034 | 263009 | 1710 | 51 | 164 | 183 | 70 |
| | | 2.8900 | | | - | 664 | - | 270 | - | - | - | 13690 | 129 | 5 |
| | | | | | - | 5 | - | 2 | - | - | 2 | - | - | - |
| 108 | BOUR44 | 29.7500 | - | - | 90037 | 2098 | 2645 | 12152 | 327332 | 359 | 196 | 1250 | 87 | 87 |
| | | 3.0400 | | | - | 498 | - | 417 | - | - | - | 4282 | 15 | 2 |
| | | | | | - | 18 | - | 2 | - | - | 2 | - | - | - |
| 108 | BOUR45 | 29.7500 | - | - | 50421 | 183242 | 2116 | 5141 | 250144 | 479 | 71 | 128 | 36 | 17 |
| | | 3.0400 | | | - | 415 | - | 481 | - | - | - | 3920 | 10 | 2 |
| | | | | | - | 2 | - | 2 | - | - | 2 | - | - | - |
| 108 | BOUR46 | 29.7500 | - | - | 30541 | 415443 | 3704 | 14021 | 130075 | 659 | 55 | 149 | 43 | 149 |
| | | 3.0400 | | | - | 415 | - | 303 | - | - | - | 3497 | 50 | 2 |
| | | | | | - | 2 | - | 2 | - | - | 2 | - | - | - |
| 108 | BOUR47 | 29.7500 | - | - | 33854 | 411246 | 4762 | 7478 | 122213 | 479 | 55 | 164 | 45 | 379 |
| | | 3.0400 | | | - | 415 | - | 531 | - | - | 33 | 6151 | 67 | 2 |
| | | | | | - | 2 | - | 2 | - | - | 2 | - | - | - |
| 108 | BOUR48 | 29.7500 | - | - | 16855 | 25178 | 1058 | 5608 | 361638 | 359 | 9 | 44 | 18 | 36 |
| | | 3.0400 | | | - | 415 | - | 1049 | - | - | - | 3136 | 8 | 5 |
| | | | | | - | 5 | - | 53 | - | - | 3 | - | - | - |
| 108 | BOUR49 | 29.7500 | - | - | 348625 | 9791 | 3704 | 19163 | 106490 | 479 | 1600 | 549 | 1075 | 579 |
| | | 3.0400 | | | - | 4317 | - | 3520 | - | - | - | 4643 | 130 | 2 |
| | | | | | - | 83 | - | 218 | - | - | 77 | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- | LONGITUDE | DEPTH -(M)- | MN | FE | AL | SI | CA | TI | CO | NI | CU | ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | P | K | RB | SR | MO | AG | CD | MG | V | CR |
| | | | | | Y | SN | TE | PB | LA | W | GA | GE | ZR | BE |
| | AUCH01 | - | - | - | - | 50798 | 87053 | 281140 | 10077 | 4556 | - | - | - | - |
| | | - | - | | 655 | - | - | - | - | - | - | 13991 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | AUCH02 | - | - | - | - | 41501 | 73241 | 259079 | 42596 | 2757 | - | - | - | - |
| | | - | - | | 873 | - | - | - | - | - | - | 16102 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | AUCH03 | - | - | - | 377132 | 9441 | 7937 | 139752 | 6432 | 0 | - | - | - | - |
| | | - | - | | 262 | - | - | - | - | - | - | 11941 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | AUCH04 | - | - | - | 311463 | 0 | 8996 | 157280 | 7861 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 10674 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |

# LAKE DATA

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 153 | CALL01 | 45.5000 | -2000.0000 | 8000 | 209000 | - | - | 5000 | - | 24 | 43 | 6 | 173 |
| | | -87.0000 | | - | 583 | - | 34 | - | - | 0 | 990 | - | 22 |
| | | | | - | - | - | 6 | - | - | - | - | - | - |
| 153 | CALL02 | 45.5000 | -2000.0000 | 10000 | 193000 | - | - | 9000 | - | 0 | 0 | 0 | 75 |
| | | -87.0000 | | - | 1161 | - | 28 | - | - | 0 | 801 | - | 0 |
| | | | | - | - | - | 0 | - | - | - | - | - | - |
| 153 | CALL03 | 45.5000 | -2000.0000 | 49000 | 302000 | - | - | 9000 | - | 92 | 88 | 6 | 386 |
| | | -87.0000 | | - | 679 | - | 86 | - | - | 0 | 1617 | - | 21 |
| | | | | - | - | - | 6 | - | - | - | - | - | - |
| 153 | CALL04 | 45.5000 | -2000.0000 | 23000 | 146000 | - | - | 7000 | - | 0 | 0 | 0 | 145 |
| | | -87.0000 | | - | 1397 | - | 31 | - | - | 0 | 1067 | - | 51 |
| | | | | - | - | - | 0 | - | - | - | - | - | - |
| 153 | CALL05 | 45.5000 | -2000.0000 | 217000 | 221000 | - | - | 14000 | - | 196 | 283 | 18 | 614 |
| | | -87.0000 | | - | 1091 | - | 221 | - | - | 26 | 2550 | - | 16 |
| | | | | - | - | - | 50 | - | - | - | - | - | - |
| 153 | CALL06 | 45.5000 | -2000.0000 | 182000 | 152000 | - | - | 14000 | - | 176 | 316 | 28 | 606 |
| | | -87.0000 | | - | 733 | - | 238 | - | - | 13 | 2198 | - | 20 |
| | | | | - | - | - | 64 | - | - | - | - | - | - |
| 153 | CALL07 | 45.5000 | -2000.0000 | 134000 | 338000 | - | - | 15000 | - | 178 | 223 | 15 | 593 |
| | | -87.0000 | | - | 784 | - | 171 | - | - | 22 | 2170 | - | 25 |
| | | | | - | - | - | 62 | - | - | - | - | - | - |
| 153 | CALL08 | 45.5000 | -2000.0000 | 109000 | 234000 | - | - | 14000 | - | 133 | 229 | 21 | 516 |
| | | -87.0000 | | - | 545 | - | 179 | - | - | 9 | 1844 | - | 26 |
| | | | | - | - | - | 121 | - | - | - | - | - | - |
| 153 | CALL09 | 45.5000 | -2000.0000 | 79000 | 355000 | - | - | 12000 | - | 100 | 123 | 9 | 474 |
| | | -87.0000 | | - | 675 | - | 126 | - | - | 12 | 2760 | - | 54 |
| | | | | - | - | - | 83 | - | - | - | - | - | - |
| 153 | CALL10 | 45.5000 | -2000.0000 | 55000 | 251000 | - | - | 0 | - | 65 | 147 | 19 | 414 |
| | | -87.0000 | | - | 491 | - | 134 | - | - | 12 | 1460 | - | 55 |
| | | | | - | - | - | 75 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 153 | CALL11 | 45.5000 | -2000.0000 | 209000 | 204000 | - | - | 17000 | - | 210 | 307 | 20 | 702 |
| | | -87.0000 | | - | 2984 | - | 247 | - | - | 19 | 2070 | - | 17 |
| | | | | - | - | - | 60 | - | - | - | - | - | - |
| 153 | CALL12 | 45.5000 | -2000.0000 | 184000 | 139000 | - | - | 18000 | - | 168 | 337 | 11 | 605 |
| | | -87.0000 | | - | 1041 | - | 265 | - | - | 15 | 2523 | - | 18 |
| | | | | - | - | - | 92 | - | - | - | - | - | - |
| 153 | CALL13 | 45.5000 | -2000.0000 | 49000 | 271000 | - | - | 11000 | - | 71 | 104 | 19 | 421 |
| | | -87.0000 | | - | 2894 | - | 106 | - | - | 18 | 2023 | - | 54 |
| | | | | - | - | - | 93 | - | - | - | - | - | - |
| 153 | CALL14 | 45.5000 | -2000.0000 | 44000 | 185000 | - | - | 14000 | - | 57 | 147 | 21 | 391 |
| | | -87.0000 | | - | 1013 | - | 118 | - | - | 9 | 1871 | - | 54 |
| | | | | - | - | - | 149 | - | - | - | - | - | - |
| 153 | CALL15 | 45.5000 | -2000.0000 | 13000 | 24000 | - | - | 9000 | - | 12 | 40 | 62 | 314 |
| | | -87.0000 | | - | 2870 | - | 36 | - | - | 7 | 4744 | - | 35 |
| | | | | - | - | - | 65 | - | - | - | - | - | - |
| 153 | CALL16 | 45.5000 | -2000.0000 | 13000 | 22000 | - | - | 10000 | - | 0 | 19 | 0 | 154 |
| | | -87.0000 | | - | 2369 | - | 38 | - | - | 0 | 4333 | - | 32 |
| | | | | - | - | - | 36 | - | - | - | - | - | - |
| 153 | EDGT01 | 45.1170 | - - | 33600 | 152000 | - | - | - | - | 3060 | - | 565 | 8500 |
| | | -87.4840 | | - | - | - | - | - | - | 81 | - | - | - |
| | | | | - | - | - | - | 2220 | - | 59 | - | - | - |
| 153 | EDGT02 | 45.1670 | - - | 139900 | 25300 | - | - | - | - | 6720 | - | 346 | 28400 |
| | | -87.4000 | | - | - | - | - | - | - | 1050 | - | - | - |
| | | | | - | - | - | - | 5030 | - | 85 | - | - | - |
| 153 | EDGT03 | 45.3840 | - - | 113000 | 51000 | - | - | - | - | 8640 | - | 1470 | 26100 |
| | | -87.8330 | | - | - | - | - | - | - | 654 | - | - | - |
| | | | | - | - | - | - | 7160 | - | 63 | - | - | - |
| 153 | EDGT04 | 45.5000 | - - | 82300 | 99400 | - | - | - | - | 8230 | - | 763 | 24100 |
| | | -87.8330 | | - | - | - | - | - | - | 280 | - | - | - |
| | | | | - | - | - | - | 6290 | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 153 | EDGT05 | 45.3840 | - - | 155000 | 27600 | - | - | - | - | 1150 | - | 750 | 4450 |
| | | -85.1170 | | - | - | - | - | - | - | 109 | - | - | - |
| | | | | - | - | - | - | 585 | - | 11 | - | - | - |
| 153 | EDGT06 | 45.3840 | - - | 29400 | 35600 | - | - | - | - | 4660 | - | 1110 | 10800 |
| | | -85.1170 | | - | - | - | - | - | - | 393 | - | - | - |
| | | | | - | - | - | - | 1240 | - | 64 | - | - | - |
| 153 | EDGT07 | 45.3840 | - - | 12700 | 31700 | - | - | - | - | 1980 | - | 981 | 3000 |
| | | -85.1170 | | - | - | - | - | - | - | 128 | - | - | - |
| | | | | - | - | - | - | 907 | - | 58 | - | - | - |
| 153 | ROSC01 | 45.0700 | -28.0000 | 12200 | 299200 | - | - | 10700 | - | 252 | 101 | 45 | 163 |
| | | -87.3200 | | - | 300 | - | - | - | - | - | 3300 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC02 | 45.0900 | -22.0000 | 20400 | 162200 | - | - | 10000 | - | 168 | 143 | 72 | 330 |
| | | -87.3200 | | - | 430 | - | - | - | - | - | 3800 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC06 | 45.1400 | -32.0000 | 216800 | 64000 | - | - | 24800 | - | 273 | 571 | 7400 | 595 |
| | | -87.4500 | | - | 590 | - | - | - | - | - | 4000 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC07 | 45.1100 | -13.0000 | 25000 | 233400 | - | - | 6400 | - | 125 | 125 | 5000 | 109 |
| | | -87.5200 | | - | 550 | - | - | - | - | - | 3300 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC08 | 45.1100 | -17.0000 | 8500 | 394500 | - | - | 7100 | - | 179 | 126 | 6600 | 207 |
| | | -87.3900 | | - | 250 | - | - | - | - | - | 17 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC09 | 44.9300 | -28.0000 | 102400 | 217800 | - | - | 25500 | - | 170 | 122 | 4900 | 73 |
| | | -87.4800 | | - | 1220 | - | - | - | - | - | 9200 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC10 | 44.9100 | -18.0000 | 68100 | 67700 | - | - | 7900 | - | 125 | 176 | 40 | 176 |
| | | -87.5200 | | - | 1960 | - | - | - | - | - | 6500 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 153 | ROSC11 | 44.9100 | -18.0000 | 45400 | 285500 | - | - | 9300 | - | 125 | 100 | 38 | 151 |
| | | -87.6800 | | - | 350 | - | - | - | - | - | 2600 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC12 | 44.9100 | -18.0000 | 45400 | 301000 | - | - | 15500 | - | 151 | 125 | 38 | 75 |
| | | -87.6800 | | - | 150 | - | - | - | - | - | 1800 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC13 | 45.2300 | -14.0000 | 11300 | 353900 | - | - | 8400 | - | 99 | 172 | 54 | 153 |
| | | -87.3200 | | - | 340 | - | - | - | - | - | 2200 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC14 | 45.3400 | -23.0000 | 157600 | 199000 | - | - | 10400 | - | 224 | 473 | 50 | 338 |
| | | -87.3200 | | - | 700 | - | - | - | - | - | 3100 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC15 | 45.4300 | -23.0000 | 96800 | 237700 | - | - | 12100 | - | 173 | 272 | 49 | 252 |
| | | -87.2600 | | - | 590 | - | - | - | - | - | 1900 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC16 | 45.6100 | -36.0000 | 99500 | 257100 | - | - | 10000 | - | 224 | 323 | 55 | 378 |
| | | -87.0600 | | - | 600 | - | - | - | - | - | 3100 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC18 | 45.5000 | -33.0000 | 22700 | 306400 | - | - | 13300 | - | 225 | 200 | 75 | 501 |
| | | -86.6500 | | - | 350 | - | - | - | - | - | 5400 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC19 | 45.4100 | -26.0000 | 19300 | 243600 | - | - | 12600 | - | 197 | 72 | 59 | 256 |
| | | -86.7800 | | - | 1040 | - | - | - | - | - | 4400 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC20 | 45.4800 | -19.0000 | 114200 | 251900 | - | - | 16400 | - | 251 | 338 | 53 | 309 |
| | | -87.0300 | | - | 340 | - | - | - | - | - | 3400 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC21 | 45.4100 | -26.0000 | 45500 | 321600 | - | - | 10000 | - | 201 | 151 | 38 | 243 |
| | | -87.0900 | | - | 500 | - | - | - | - | - | 2200 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 153 | ROSC22 | 45.3200 | -28.0000 | 129800 | 122900 | - | - | 14700 | - | 249 | 838 | 54 | 456 |
| | | -87.1800 | | - | 600 | - | - | - | - | - | 3500 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC23 | 45.2300 | -32.0000 | 47400 | 102900 | - | - | 7700 | - | 149 | 249 | 50 | 319 |
| | | -87.1900 | | - | 1050 | - | - | - | - | - | 2400 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC24 | 44.5000 | -35.0000 | 38600 | 138000 | - | - | 28500 | - | 149 | 474 | 65 | 703 |
| | | -87.4200 | | - | 450 | - | - | - | - | - | 5900 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC25 | 45.9000 | -10.0000 | 21700 | 117800 | - | - | 4800 | - | 200 | 125 | 37 | 68 |
| | | -85.3300 | | - | 500 | - | - | - | - | - | 1000 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC26 | 45.5300 | - - | 34200 | 112600 | - | - | 4500 | - | 178 | 150 | 37 | 130 |
| | | -87.1600 | | - | 150 | - | - | - | - | - | 1000 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC27 | 44.9600 | -23.0000 | 137400 | 154200 | - | - | 15000 | - | 250 | 200 | 55 | 100 |
| | | -87.4200 | | - | 1100 | - | - | - | - | - | 3600 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC28 | 45.4100 | - - | 21100 | 216700 | - | - | 32300 | - | 123 | 221 | 6900 | 182 |
| | | -85.1300 | | - | 490 | - | - | - | - | - | 1700 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC29 | 45.2900 | -62.0000 | 56000 | 205900 | - | - | 18400 | - | 298 | 696 | 218000 | 1290 |
| | | -86.5500 | | - | 590 | - | - | - | - | - | 7200 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC30 | 45.0600 | -47.0000 | 66200 | 169200 | - | - | 13500 | - | 250 | 902 | 185000 | 1490 |
| | | -86.4800 | | - | 350 | - | - | - | - | - | 5100 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 153 | ROSC31 | 45.4800 | -36.0000 | 13800 | 213100 | - | - | 3700 | - | 123 | 123 | 3900 | 81 |
| | | -85.6500 | | - | 150 | - | - | - | - | - | 3000 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 151 | H-T 01 | 46.0000 | -1.0000 | 359000 | 155000 | - | - | - | - | 220 | 338 | 13 | 1940 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 25 | - | - | - | - | - | - |
| 151 | H-T 02 | 46.0000 | -1.0000 | 349000 | 209000 | - | - | - | - | 202 | 243 | 12 | 1575 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 24 | - | - | - | - | - | - |
| 151 | H-T 03 | 46.0000 | -1.0000 | 349000 | 209000 | - | - | - | - | 192 | 230 | 8 | 1500 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 28 | - | - | - | - | - | - |
| 151 | H-T 04 | 46.0000 | -1.0000 | 337000 | 186000 | - | - | - | - | 192 | 215 | 10 | 1575 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 26 | - | - | - | - | - | - |
| 151 | H-T 05 | 46.0000 | -1.0000 | 340000 | 187000 | - | - | - | - | 192 | 215 | 10 | 1575 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 26 | - | - | - | - | - | - |
| 151 | H-T 06 | 46.0000 | -1.0000 | 334000 | 193000 | - | - | - | - | 192 | 215 | 10 | 1340 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 25 | - | - | - | - | - | - |
| 151 | H-T 07 | 46.0000 | -1.0000 | 342000 | 181000 | - | - | - | - | 192 | 373 | 16 | 1850 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 26 | - | - | - | - | - | - |
| 151 | H-T 08 | 46.0000 | -1.0000 | 324000 | 178000 | - | - | - | - | 202 | 272 | 16 | 1650 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 28 | - | - | - | - | - | - |
| 151 | H-T 09 | 46.0000 | -1.0000 | 359000 | 168000 | - | - | - | - | - | - | - | - |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 151 | H-T 10 | 46.0000 | -1.0000 | 336000 | 146000 | - | - | - | - | 212 | 373 | 14 | 1875 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 13 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 151 | H-T 11 | 46.0000 | -1.0000 | 317000 | 142000 | - | - | - | - | 183 | 238 | 11 | 1575 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 28 | - | - | - | - | - | - |
| 151 | H-T 12 | 46.0000 | -1.0000 | 317000 | 142000 | - | - | - | - | 192 | 238 | 10 | 1650 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 29 | - | - | - | - | - | - |
| 151 | H-T 13 | 46.0000 | -1.0000 | 344000 | 163000 | - | - | - | - | - | - | - | - |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 151 | H-T 14 | 46.0000 | -1.0000 | 322000 | 147000 | - | - | - | - | 202 | 316 | 13 | 1500 |
| | | -66.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 19 | - | - | - | - | - | - |
| 151 | H-T 15 | 45.0000 | -1.0000 | 255000 | 117000 | - | - | - | - | 230 | 125 | 9 | 536 |
| | | -63.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 19 | - | - | - | - | - | - |
| 151 | H-T 16 | 45.0000 | -1.0000 | 283000 | 200000 | - | - | - | - | 230 | 149 | 8 | 500 |
| | | -63.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 19 | - | - | - | - | - | - |
| 151 | H-T 17 | 45.0000 | -1.0000 | 281000 | 157000 | - | - | - | - | 212 | 149 | 8 | 518 |
| | | -63.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 28 | - | - | - | - | - | - |
| 151 | H-T 18 | 45.0000 | -1.0000 | 281000 | 157000 | - | - | - | - | 220 | 149 | 8 | 536 |
| | | -63.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 10 | - | - | - | - | - | - |
| 151 | H-T 19 | 45.0000 | -1.0000 | 265000 | 169000 | - | - | - | - | 220 | 107 | 6 | 467 |
| | | -63.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | 28 | - | - | - | - | - | - |
| | CAP 02 | - - | - - | 307000 | 39900 | 21700 | 63000 | 52800 | 2000 | 115 | 75 | 20 | 70 |
| | | - - | | 3800 | 10600 | 40 | 810 | 55 | - | - | 18100 | - | - |
| | | | | 28 | - | - | 50 | - | - | - | - | 60 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- | LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CAP 03 | - | - | - - | 297000 | 38500 | 23800 | 635 | 58500 | 2200 | 125 | 80 | 15 | 50 |
| | | - | - | | 3300 | 10000 | 40 | 730 | 55 | - | - | 19300 | - | - |
| | | | | | - | - | - | 35 | - | - | - | - | 50 | - |
| | CAP 04 | - | - | - - | 255600 | 55300 | - | - | - | - | 115 | 60 | 20 | 110 |
| | | - | - | | 4400 | - | 40 | 720 | 50 | - | - | - | - | - |
| | | | | | 30 | - | - | 55 | - | - | - | - | 50 | - |
| | CAP 05 | - | - | - - | 263500 | 37100 | - | - | - | - | 130 | 60 | 25 | 75 |
| | | - | - | | 3400 | - | 35 | 675 | 45 | - | - | - | - | - |
| | | | | | 45 | - | - | 50 | - | - | - | - | 45 | - |
| | CAP 06 | - | - | - - | 269200 | 38500 | - | - | - | - | 120 | 70 | 20 | 80 |
| | | - | - | | 3200 | - | 40 | 710 | 50 | - | - | - | - | - |
| | | | | | 20 | - | - | 60 | - | - | - | - | 40 | - |
| | CAP 07 | - | - | - - | 357300 | 21000 | 26500 | 70000 | 15100 | 2200 | 190 | 90 | 25 | 45 |
| | | - | - | | 1800 | 14300 | 50 | 1100 | 80 | - | - | 20500 | - | - |
| | | | | | 18 | - | - | 20 | - | - | - | - | 60 | - |
| | CAP 08 | - | - | - - | 108700 | 164700 | 19100 | 73700 | 61000 | 3500 | 30 | 55 | 30 | 170 |
| | | - | - | | 11500 | 7200 | 45 | 580 | 5 | - | - | 13900 | - | - |
| | | | | | 75 | - | - | 220 | - | - | - | - | 60 | - |
| | CAP 09 | - | - | - - | 343800 | 20300 | - | - | - | - | 150 | 110 | 15 | 60 |
| | | - | - | | 1700 | - | 50 | 980 | 80 | - | - | - | - | - |
| | | | | | 18 | - | - | 20 | - | - | - | - | 60 | - |
| | CAP 10 | - | - | - - | 238500 | 37100 | - | - | - | - | 115 | 55 | 15 | 80 |
| | | - | - | | 3600 | - | 35 | 800 | 30 | - | - | - | - | - |
| | | | | | 23 | - | - | 65 | - | - | - | - | 5 | - |
| | CAP 11 | - | - | - - | 104500 | 176400 | - | - | - | - | 45 | 45 | 70 | 320 |
| | | - | - | | 12000 | - | 40 | 780 | 5 | - | - | - | - | - |
| | | | | | 60 | - | - | 260 | - | - | - | - | 60 | - |
| | CAP 12 | - | - | - - | 174200 | 96700 | - | - | - | - | 70 | 60 | 30 | 100 |
| | | - | - | | 7400 | - | 50 | 630 | 10 | - | - | - | - | - |
| | | | | | 50 | - | - | 270 | - | - | - | - | 55 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CAP 13 | - - | - - | 131800 | 128900 | - | - | - | - | 40 | 45 | 15 | 100 |
| | | - - | | 9600 | - | 40 | 585 | 5 | - | - | - | - | - |
| | | | | 55 | - | - | 120 | - | - | - | - | 50 | - |
| | CAP 14 | - - | - - | 131800 | 135900 | - | - | - | - | 30 | 35 | 20 | 60 |
| | | - - | | 10200 | - | 40 | 600 | 5 | - | - | - | - | - |
| | | | | 40 | - | - | 140 | - | - | - | - | 50 | - |
| | DEAN01 | - - | - - | 142000 | 185000 | 8000 | 70000 | 10000 | 5000 | 70 | 40 | 80 | 150 |
| | | - - | | 2000 | - | - | - | 32 | 8 | - | 1500 | 150 | 75 |
| | | | | 25 | 7 | - | 140 | 200 | - | 10 | - | 200 | 1 |
| | GOSW01 | - - | -400.0000 | 132000 | 221000 | - | - | - | 1000 | 20 | 10 | 5 | 400 |
| | | - - | | 4100 | 1000 | 1 | 25 | 10 | 1 | - | - | 2 | 4 |
| | | | | 15 | 5 | - | 80 | 20 | - | 1 | - | 10 | 5 |
| | GOSW02 | - - | -400.0000 | 132000 | 162000 | - | - | - | 2000 | 40 | 25 | 8 | 1500 |
| | | - - | | 2300 | 12800 | 60 | 100 | 10 | 1 | - | - | 60 | 30 |
| | | | | 40 | 5 | - | 6000 | 20 | - | 5 | - | 60 | 5 |
| | GOSW03 | - - | -400.0000 | 100000 | 115000 | - | - | - | 4000 | 40 | 20 | 5 | 300 |
| | | - - | | 4200 | 18300 | 100 | 30 | 1 | 1 | - | - | 80 | 40 |
| | | | | 40 | 5 | - | 30 | 30 | - | 20 | - | 60 | 5 |
| | GOSW04 | - - | -400.0000 | 80000 | 111000 | - | - | - | 3000 | 60 | 40 | 20 | 2000 |
| | | - - | | 1800 | 16000 | 60 | 100 | 10 | 1 | - | - | 40 | 30 |
| | | | | 30 | 5 | - | 6000 | 30 | - | 10 | - | 60 | 5 |
| | GOSW05 | - - | -400.0000 | 70000 | 386000 | - | - | - | 1000 | 25 | 15 | 5 | 1000 |
| | | - - | | 6200 | 5000 | 1 | 40 | 10 | 1 | - | - | 20 | 5 |
| | | | | 10 | 5 | - | 200 | 30 | - | 1 | - | 10 | 8 |
| | GOSW06 | - - | -400.0000 | 29000 | 59000 | - | - | - | 5000 | 30 | 40 | 15 | 3000 |
| | | - - | | 1000 | 21200 | 100 | 60 | 1 | 1 | - | - | 80 | 60 |
| | | | | 40 | 5 | - | 8000 | 30 | - | 25 | - | 100 | 5 |
| | GOSW07 | - - | -400.0000 | 23000 | 85000 | - | - | - | 6000 | 25 | 40 | 15 | 400 |
| | | - - | | 1500 | 17300 | 100 | 60 | 1 | 1 | - | - | 80 | 40 |
| | | | | 60 | 5 | - | 50 | 40 | - | 20 | - | 150 | 5 |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GOSW08 | - | - | -400.0000 | 14000 | 72000 | - | - | - | 3000 | 30 | 20 | 10 | 300 |
| | | - | - | | 1100 | 29100 | 150 | 60 | 1 | 1 | - | - | 100 | 60 |
| | | | | | 40 | 5 | - | 50 | 30 | - | 25 | - | 100 | 5 |
| | H-T 20 | - | - | -1.0000 | 157000 | 398000 | - | - | - | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | H-T 21 | - | - | -1.0000 | 157000 | 402000 | - | - | - | - | 135 | 95 | 10 | 250 |
| | | - | - | | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | 24 | - | - | - | - | - | - |
| | KIND01 | - | - | - - | 227989 | 155950 | 66149 | 59593 | 11578 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 3497 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | KIND02 | - | - | - - | 206378 | 101112 | 27200 | 128581 | 36449 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 7900 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | ROCA01 | - | - | -18.0000 | 41895 | 512660 | - | - | 46098 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 0 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | ROCA02 | - | - | -23.0000 | 171916 | 295146 | - | - | 48528 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 19419 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | ROCA03 | - | - | -14.0000 | 22922 | 288152 | - | - | 24228 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 4101 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | ROCA04 | - | - | -32.0000 | 69386 | 332214 | - | - | 60034 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 0 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | ROCA05 | - | - | -23.0000 | 151007 | 291649 | - | - | 105775 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 0 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RDCA06 | - | - | -25.0000 | 111513 | 326619 | - | - | 63894 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 0 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDCA07 | - | - | -36.0000 | 88281 | 425234 | - | - | 63894 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 0 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDCA08 | - | - | -35.0000 | 86732 | 255980 | - | - | - | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDCA09 | - | - | -30.0000 | 6892 | 9371 | - | - | 18010 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 1507 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDCA10 | - | - | -47.0000 | 51187 | 47489 | - | - | 35949 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 6332 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDCA11 | - | - | -10.0000 | 21528 | 109805 | - | - | 21083 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 12846 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDCA12 | - | - | -36.0000 | 21683 | 38257 | - | - | 25729 | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | 1929 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDSC03 | - | - | -17.0000 | 48800 | 205200 | - | - | 10000 | - | 274 | 174 | 10000 | 184 |
| | | - | - | | - | 1000 | - | - | - | - | - | 3800 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDSC04 | - | - | -17.0000 | 82900 | 171700 | - | - | 8600 | - | 268 | 146 | 4900 | 185 |
| | | - | - | | - | 440 | - | - | - | - | - | 2200 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RDSC05 | - | - | -17.0000 | 165100 | 115300 | - | - | 13100 | - | 266 | 315 | 5800 | 314 |
| | | - | - | | - | 920 | - | - | - | - | - | 4300 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RUSC17 | - | - | -11.0000 | 10200 | 369100 | - | - | 6000 | - | 197 | 222 | 54 | 290 |
| | | - | - | | - | 150 | - | - | - | - | - | 1300 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | SF 01 | - | - | - | - | 25500 | 402000 | - | - | - | - | - | 912 | 1530 | 1341 |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | SF 02 | - | - | - | - | 22500 | 307000 | - | - | - | - | 250 | 600 | 1433 | 734 |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | SF 03 | - | - | - | - | 15000 | 380000 | - | - | - | - | 180 | 590 | 2200 | 1126 |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | SF 04 | - | - | - | - | 4000 | 355000 | - | - | - | - | 90 | 480 | 790 | 500 |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | SF 05 | - | - | - | - | 166500 | 188000 | - | - | - | - | 223 | 777 | 939 | 1192 |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | SF 06 | - | - | - | - | 4000 | 437000 | - | - | - | - | 340 | 775 | 1369 | 1254 |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | SF 07 | - | - | - | - | 12500 | 278000 | - | - | - | - | 109 | 783 | 938 | 2098 |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | TWMN01 | - | - | -20.0000 | | - | 167800 | - | - | - | - | - | - | - | - |
| | | - | - | | | 1900 | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | TWMN02 | - | - | -20.0000 | | 305700 | 167300 | - | - | - | - | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |

MARINE DATA

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- | LONGITUDE | DEPTH -(M)- | MN | FE | AL | SI | CA | TI | CO | NI | CU | ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | P | K | RB | SR | MO | AG | CD | MG | V | CR |
| | | | | | Y | SN | TE | PB | LA | W | GA | GE | ZR | BE |
| | TWMN03 | - | - | -20.0000 | 122100 | 115600 | - | - | - | - | - | - | - | - |
| | | - | - | | 1000 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | TWMN04 | - | - | -26.0000 | 123300 | 131900 | - | - | - | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 534 | MER127 | -63.0670 | -3583.0000 | 88000 | 124000 | 39160 | 155644 | 17900 | 4600 | 1400 | 2700 | 1300 | 580 |
| | | 178.4830 | | - | - | - | 1100 | 50 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |
| 532 | MER128 | -64.1830 | -2932.0000 | 148000 | 110000 | 24343 | 113578 | 15200 | 6300 | 1700 | 7000 | 2900 | 1000 |
| | | -165.9330 | | - | - | - | 1000 | 110 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 532 | MER129 | -64.1830 | -2932.0000 | 142000 | 108000 | 24872 | 129937 | 14400 | 5800 | 1500 | 6800 | 3600 | 1200 |
| | | -165.9330 | | - | - | - | 1000 | 120 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 532 | WIL123 | -60.0000 | - - | 122100 | 140400 | - | 122458 | 12300 | - | 1520 | 2550 | 1590 | 452 |
| | | -160.0000 | | 1091 | - | - | 788 | 234 | - | - | - | - | - |
| | | | | 90 | - | - | 848 | - | - | 17 | - | 653 | - |
| 523 | LAM167 | -60.1330 | - - | 63000 | 109000 | - | - | - | - | 1100 | 1200 | 700 | - |
| | | -74.9160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA01 | -56.4500 | -3750.0000 | 169980 | 122000 | 34000 | 160000 | 20726 | 6900 | 900 | 4800 | 2300 | 1200 |
| | | 140.0600 | | 1600 | 14000 | - | 800 | 500 | - | - | 9649 | 300 | - |
| | | | | - | - | - | 900 | - | - | - | - | 500 | - |
| 501 | OSFA02 | -56.4500 | -3750.0000 | 421224 | 16785 | 1587 | 4673 | 28587 | - | - | 3000 | - | - |
| | | 140.0600 | | - | - | - | - | - | - | - | 18696 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA03 | -56.4500 | -3750.0000 | 178195 | 349699 | 10054 | 64968 | 15008 | - | - | 36000 | 8000 | - |
| | | 140.0600 | | - | - | - | - | - | - | - | 7840 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA04 | -56.4500 | -3750.0000 | 447384 | 48258 | 5291 | 8413 | 20726 | - | 4000 | 8000 | 4000 | - |
| | | 140.0600 | | - | - | - | - | - | - | - | 21711 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 501 | OSFA05 | -56.4500 | -3750.0000 | - | - | - | - | - | - | 4000 | 40000 | 15000 | - |
| | | 140.0600 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | GLAS01 | -55.1600 / 150.0500 | -3865.0000 | 161849 / - / - | 123583 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 4494 / - / - | 2578 / - / - | 586 / - / - | 196 / - / - |
| 500 | GLAS04 | -55.1600 / 150.0500 | -3865.0000 | 145277 / - / - | 114841 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1286 / - / - | 3560 / - / - | 605 / - / - | 90 / - / - |
| 500 | GLAS05 | -54.9300 / 154.7700 | -4169.0000 | 74729 / - / - | 96027 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1621 / - / - | 2440 / - / - | 2155 / - / - | 190 / - / - |
| 500 | GLAS06 | -54.9300 / 154.7700 | -4169.0000 | 173078 / - / - | 79381 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 2231 / - / - | 6411 / - / - | 1181 / - / - | 162 / - / - |
| 500 | GLAS07 | -54.9300 / 154.7700 | -4169.0000 | 144967 / - / - | 77283 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1190 / - / - | 5123 / - / - | 1487 / - / - | 188 / - / - |
| 500 | GLAS08 | -54.9300 / 154.7700 | -4169.0000 | 152556 / - / - | 80221 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1003 / - / - | 1021 / - / - | 1955 / - / - | 164 / - / - |
| 500 | GLAS09 | -54.9300 / 154.7700 | -4169.0000 | 134590 / - / - | 100084 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 2238 / - / - | 6294 / - / - | 2127 / - / - | 189 / - / - |
| 500 | GLAS10 | -54.9300 / 154.7700 | -4169.0000 | 93392 / - / - | 128409 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 668 / - / - | 3353 / - / - | 1435 / - / - | 184 / - / - |
| 500 | GLAS11 | -54.9300 / 154.7700 | -4169.0000 | 200182 / - / - | 108826 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1136 / - / - | 5305 / - / - | 2835 / - / - | 183 / - / - |
| 500 | GLAS12 | -54.9300 / 154.7700 | -4169.0000 | 166728 / - / - | 83298 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1155 / - / - | 2045 / - / - | 2070 / - / - | 183 / - / - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | GLAS13 | -54.9300 | -4169.0000 | 172691 | 90921 | - | - | - | - | 1698 | 8649 | 2185 | 183 |
| | | 154.7700 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 500 | GLAS14 | -54.9300 | -4169.0000 | 103847 | 113512 | - | - | - | - | 1240 | 3056 | 1542 | 183 |
| | | 154.7700 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 500 | SUMM06 | -56.6766 | -1280.0000 | 179000 | 221000 | 8000 | 15000 | 20000 | 12000 | 3000 | 3000 | - | - |
| | | 158.7583 | | - | - | - | - | 200 | - | - | 10000 | 700 | 30 |
| | | | | - | - | - | 1200 | - | - | - | - | - | 15 |
| 499 | GRAN07 | -57.2660 | -4960.0000 | 295000 | 279000 | - | 121000 | 14000 | - | 10000 | 5200 | 500 | - |
| | | 165.5330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 499 | MER124 | -57.7170 | -5288.0000 | 107000 | 192000 | 27518 | 121056 | 14400 | 5900 | 1700 | 1900 | 1000 | 470 |
| | | 169.2000 | | - | - | - | 1100 | 110 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 499 | MER125 | -57.7170 | -5288.0000 | 123000 | 153000 | 23813 | 124328 | 13600 | 4500 | 1500 | 2300 | 1700 | 440 |
| | | 169.2000 | | - | - | - | 1000 | 70 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 499 | SUMM07 | -50.7833 | -896.0000 | 51000 | 244000 | 20000 | 15000 | 20000 | 10000 | 2000 | 2000 | - | - |
| | | 169.9583 | | 30000 | - | - | - | 100 | - | - | 15000 | 800 | 100 |
| | | | | - | - | - | 1500 | - | - | - | - | - | 10 |
| 498 | SUMM05 | -50.3166 | -2377.0000 | 111000 | 122000 | 20000 | 15000 | 20000 | 10000 | 3000 | 1500 | - | - |
| | | 176.3833 | | 10000 | - | - | - | 100 | - | - | 10000 | 500 | 40 |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 496 | LAM115 | -54.5000 | -4640.0000 | 154000 | 119000 | - | - | - | - | 2200 | 6600 | 1300 | - |
| | | -163.3160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 496 | MER126 | -54.5000 | -4540.0000 | 144000 | 149000 | 19580 | 97686 | 13200 | 6100 | 3000 | 3700 | 1500 | 570 |
| | | -163.3170 | | - | - | - | 1000 | 170 | - | - | - | - | - |
| | | | | - | - | - | 1700 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 495 | GLASO2 | -55.1600<br>-150.0500 | -3865.0000 | 180512<br>-<br>- | 108896<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2886<br>-<br>- | 1942<br>-<br>- | 385<br>-<br>- | 191<br>-<br>- |
| 495 | GLASO3 | -55.1600<br>-150.0500 | -3865.0000 | 154415<br>-<br>- | 134704<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3172<br>-<br>- | 8404<br>-<br>- | 422<br>-<br>- | 191<br>-<br>- |
| 494 | GRANO6 | -52.1660<br>-142.6660 | -2203.0000 | 222000<br>-<br>- | 186000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 15100<br>-<br>- | 4200<br>-<br>- | 700<br>-<br>- | -<br>-<br>- |
| 493 | LAM113 | -59.3660<br>-132.8160 | -3975.0000 | 28000<br>-<br>- | 66000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 200<br>-<br>- | 700<br>-<br>- | 900<br>-<br>- | -<br>-<br>- |
| 493 | LAM114 | -51.2160<br>-133.6830 | -4663.0000 | 152000<br>-<br>- | 135000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1500<br>-<br>- | 6400<br>-<br>- | 2800<br>-<br>- | -<br>-<br>- |
| 492 | GRANO5 | -57.6830<br>-125.3500 | -3877.0000 | 179000<br>-<br>- | 199000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2300<br>-<br>- | 7300<br>-<br>- | 9000<br>-<br>- | -<br>-<br>- |
| 491 | GRANO2 | -54.9150<br>-114.8160 | -3840.0000 | 152000<br>-<br>- | 286000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4200<br>-<br>- | 2600<br>-<br>- | 1000<br>-<br>- | -<br>-<br>- |
| 491 | GRANO3 | -57.7330<br>-114.9660 | -4523.0000 | 160000<br>-<br>- | 255000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3000<br>-<br>- | 2400<br>-<br>- | 1400<br>-<br>- | -<br>-<br>- |
| 491 | GRANO4 | -57.7330<br>-114.9660 | -4523.0000 | 199000<br>-<br>- | 262000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4200<br>-<br>- | 3500<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 490 | GRANO1 | -59.1500<br>-104.9650 | -4662.0000 | 11000<br>-<br>- | 86000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 800<br>-<br>- | 5000<br>-<br>- | 2800<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 490 | LAM112 | -55.5830 / -100.3000 | -4420.0000 | 5000 / - / - | 38000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 2400 / - / - | 200 / - / - | - / - / - |
| 488 | GRAN23 | -58.1000 / -82.8660 | - - | 155000 / - / - | 264000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 3600 / - / - | 2900 / - / - | 2100 / - / - | - / - / - |
| 487 | GRAN18 | -57.9830 / -70.8830 | -4097.0000 | 222000 / - / - | 186000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 15100 / - / - | 4200 / - / - | 700 / - / - | - / - / - |
| 487 | GRAN19 | -57.9830 / -70.6830 | -4097.0000 | 125000 / - / - | 192000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 6900 / - / - | 2500 / - / - | 800 / - / - | - / - / - |
| 487 | GRAN20 | -56.0660 / -71.3170 | -2048.0000 | 20000 / - / - | 144000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1400 / - / - | 3400 / - / - | 1700 / - / - | - / - / - |
| 487 | GRAN21 | -59.1660 / -74.6500 | -4696.0000 | 95000 / - / - | 234000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 5500 / - / - | 1500 / - / - | 4100 / - / - | - / - / - |
| 487 | GRAN22 | -56.3330 / -78.9330 | -4389.0000 | 250000 / - / - | 102000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1300 / - / - | 18000 / - / - | 8300 / - / - | - / - / - |
| 486 | LAM165 | -57.0660 / -61.4160 | -3957.0000 | 7000 / - / - | 56000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 100 / - / - | 200 / - / - | 200 / - / - | - / - / - |
| 486 | LAM166 | -50.7660 / -67.4660 | -90.0000 | 252000 / - / - | 64000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 600 / - / - | 11000 / - / - | 8000 / - / - | - / - / - |
| 485 | GRAN09 | -55.1000 / -55.8330 | -2872.0000 | 11000 / - / - | 185000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1400 / - / - | 800 / - / - | 1200 / - / - | - / - / - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 485 | GRAN10 | -55.1000<br>-55.8330 | -2872.0000 | 108000<br>-<br>- | 275000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4300<br>-<br>- | 1200<br>-<br>- | 900<br>-<br>- | -<br>-<br>- |
| 485 | GRAN11 | -55.1000<br>-55.8330 | -2872.0000 | 200000<br>-<br>- | 199000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1900<br>-<br>- | 9200<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 485 | GRAN12 | -55.1000<br>-55.8330 | -2872.0000 | 189000<br>-<br>- | 199000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2600<br>-<br>- | 11000<br>-<br>- | 2300<br>-<br>- | -<br>-<br>- |
| 485 | GRAN13 | -55.8330<br>-56.0830 | -4144.0000 | 86000<br>-<br>- | 179000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2100<br>-<br>- | 6300<br>-<br>- | 1600<br>-<br>- | -<br>-<br>- |
| 485 | GRAN14 | -55.8330<br>-56.0830 | -4144.0000 | 23000<br>-<br>- | 201000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2000<br>-<br>- | 1800<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 485 | GRAN15 | -56.2500<br>-58.3330 | -3960.0000 | 23000<br>-<br>- | 189000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1600<br>-<br>- | 3400<br>-<br>- | 1600<br>-<br>- | -<br>-<br>- |
| 485 | GRAN16 | -56.2500<br>-58.3330 | -3960.0000 | 11000<br>-<br>- | 161000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1400<br>-<br>- | 3200<br>-<br>- | 1800<br>-<br>- | -<br>-<br>- |
| 485 | GRAN17 | -56.2500<br>-58.3330 | -3960.0000 | 11000<br>-<br>- | 182000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1600<br>-<br>- | 1400<br>-<br>- | 1700<br>-<br>- | -<br>-<br>- |
| 485 | LAM162 | -53.0000<br>-52.9000 | -3131.0000 | 104000<br>-<br>- | 190000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 13000<br>-<br>- | -<br>-<br>- | 2500<br>-<br>- | 2700<br>-<br>- | 1100<br>-<br>- | -<br>-<br>- |
| 485 | LAM163 | -54.2830<br>-54.2160 | -2316.0000 | 108000<br>-<br>- | 108000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 42000<br>-<br>- | -<br>-<br>- | 1900<br>-<br>- | 5200<br>-<br>- | 1000<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / [illegible] | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 485 | LAM164 | -57.5330 | -4067.0000 | 50000 | 113000 | - | - | - | - | 400 | 800 | 400 | - |
| | | -55.1330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 485 | MEK156 | -53.0000 | -3060.0000 | 108000 | 158000 | 26989 | 137882 | 11900 | 2500 | 1500 | 3900 | 800 | 670 |
| | | -52.9000 | | - | - | - | 800 | 140 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 485 | STSH54 | -53.0000 | -3060.0000 | 108000 | 158000 | - | - | - | 2500 | 1300 | 3900 | 800 | 670 |
| | | -52.9000 | | - | - | - | 800 | 140 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 484 | GRAN08 | -53.1000 | -2195.0000 | 103000 | 75000 | - | - | - | - | 900 | 500 | 900 | - |
| | | -44.9660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 483 | LAM161 | -50.2500 | -4702.0000 | 94000 | 98000 | - | - | - | - | 600 | 2000 | 1600 | - |
| | | -35.6830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 482 | LAM160 | -50.1830 | -4319.0000 | 120000 | 53000 | - | - | - | - | 300 | 3800 | 2700 | - |
| | | -22.4000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 477 | LAM157 | -41.3000 | -2932.0000 | 132000 | 182000 | - | - | - | - | 2800 | 2500 | 1000 | - |
| | | 26.7160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 474 | LAM154 | -44.0660 | -4319.0000 | 173000 | 179000 | - | - | 18000 | - | 1400 | 6400 | 1400 | - |
| | | 59.8330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 474 | LAM155 | -43.7000 | -4709.0000 | 127000 | 125000 | - | - | - | - | 1700 | 3800 | 1300 | - |
| | | 56.8000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 474 | LAM156 | -40.9160 | -4885.0000 | 54000 | 178000 | - | - | - | - | 900 | 1600 | 900 | - |
| | | 57.6500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 473 | LAM152 | -47.6500 | -4292.0000 | 23000 | 48000 | - | - | - | - | 400 | 3400 | 500 | - |
| | | 61.4830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 473 | LAM153 | -44.8330 | -4742.0000 | 140000 | 133000 | - | - | - | - | 1400 | 4800 | 1300 | - |
| | | 60.8660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 466 | BUCH03 | -42.7000 | -4750.0000 | 259656 | 126171 | 13494 | - | - | - | - | - | - | - |
| | | 134.1670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 466 | CRO112 | -42.7000 | -4760.0000 | 201900 | 88400 | - | - | - | 4780 | 1990 | 13180 | 7500 | - |
| | | 134.1670 | | - | - | - | - | 560 | - | - | - | 500 | 16 |
| | | | | - | - | - | 250 | - | - | - | - | - | - |
| 466 | MURR04 | -42.7000 | -4750.0000 | 228366 | 136942 | 12965 | 88665 | 16774 | - | - | - | - | - |
| | | 134.1666 | | 399 | - | - | - | - | - | - | 4959 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 466 | MURR05 | -42.7000 | -4750.0000 | 276458 | 116799 | 29635 | 101893 | 16179 | - | - | - | - | - |
| | | 134.1666 | | - | - | - | - | - | - | - | 5336 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 466 | MURR06 | -42.7000 | -4750.0000 | 236382 | 116100 | 20638 | 132414 | 16179 | - | - | - | - | - |
| | | 134.1666 | | - | - | - | - | - | - | - | 10516 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 462 | SUMM01 | -49.6664 | -2286.0000 | 147000 | 171000 | 20000 | 15000 | 20000 | 15000 | 6000 | 3000 | - | - |
| | | 179.8833 | | 15000 | - | - | - | 200 | - | - | 10000 | 500 | 40 |
| | | | | - | - | - | 2000 | - | - | - | - | - | 10 |
| 462 | SUMM02 | -49.3666 | -1280.0000 | 222000 | 152000 | 20000 | 15000 | 20000 | 12000 | 10000 | 10000 | - | - |
| | | 176.2666 | | - | - | - | - | 200 | - | - | 15000 | 500 | 50 |
| | | | | - | - | - | 1500 | - | - | - | - | - | 10 |
| 462 | SUMM03 | -49.4000 | -978.0000 | 187700 | 141000 | 6000 | 15000 | 10000 | 10000 | 6000 | 2500 | - | - |
| | | 177.9833 | | - | - | - | 1000 | 150 | - | - | 7000 | 700 | 20 |
| | | | | 100 | 100 | - | 1000 | 300 | - | - | - | 300 | 10 |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 462 | SUMMO4 | -49.9833 | -1335.0000 | 163000 | 100000 | 8000 | 15000 | 20000 | 9000 | 2500 | 5000 | - | - |
| | | 177.5333 | | 40000 | - | - | - | 500 | - | - | 10000 | 500 | 30 |
| | | | | - | - | - | 1000 | - | - | - | - | - | 10 |
| 462 | WIL124 | -49.6660 | -2290.0000 | 122400 | 129900 | - | 64033 | 65500 | - | 3550 | 3410 | 900 | 362 |
| | | 179.8840 | | 19918 | - | - | 0 | - | - | - | - | - | - |
| | | | | 0 | - | - | 0 | - | - | 0 | - | 0 | - |
| 459 | LAM110 | -43.7000 | -5293.0000 | 176000 | 66000 | - | - | - | - | 1700 | 7600 | 5200 | - |
| | | -151.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 459 | LAM111 | -46.9330 | -4308.0000 | 186000 | 206000 | - | - | 17000 | - | 300 | 3600 | 1500 | - |
| | | -154.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 458 | LAM108 | -43.4160 | -4314.0000 | 172000 | 120000 | - | - | 23000 | - | 3300 | 7400 | 2700 | - |
| | | -141.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 458 | LAM109 | -45.8830 | -4738.0000 | 173000 | 11000 | - | - | 11000 | - | 180 | 11000 | 3500 | - |
| | | -149.7500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 457 | MER115 | -40.6000 | -5120.0000 | 186000 | 103000 | 27518 | 67772 | 12100 | 5700 | 4300 | 8900 | 4700 | 770 |
| | | -132.8170 | | - | - | - | 800 | 350 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 457 | MER116 | -40.6000 | -5120.0000 | 216000 | 81000 | 23813 | 59359 | 13100 | 4700 | 4000 | 9000 | 8800 | 830 |
| | | -132.8170 | | - | - | - | 730 | 410 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |
| 457 | MGH 45 | -40.6000 | -5120.0000 | 228000 | 147000 | 32000 | 49000 | 14000 | 8000 | 3800 | 13000 | 6900 | 400 |
| | | -132.8160 | | - | 7000 | - | 710 | 610 | - | - | 19000 | 600 | - |
| | | | | 150 | - | - | 1600 | 110 | - | 7 | - | 650 | - |
| 456 | CRON21 | -44.3840 | -4500.0000 | 204100 | 54300 | - | - | - | 3500 | 1140 | 8660 | 2850 | - |
| | | -124.6500 | | - | - | - | - | 180 | - | - | - | 250 | 5 |
| | | | | - | - | - | 91 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 456 | MER117 | -41.4000 | -4880.0000 | 196000 | 117000 | 33339 | 69175 | 15100 | 10400 | 3900 | 8000 | 3700 | 830 |
| | | -129.1000 | | - | 6200 | - | 1000 | 340 | - | - | - | - | - |
| | | | | - | - | - | 2000 | - | - | - | - | - | - |
| 456 | MER118 | -42.2670 | -4560.0000 | 226000 | 91000 | 20638 | 48142 | 15300 | 5400 | 4000 | 11000 | 4500 | 930 |
| | | -125.8330 | | - | - | - | 800 | 330 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 456 | MER119 | -43.1170 | -4640.0000 | 201000 | 64000 | 30164 | 99556 | 14800 | 3100 | 2500 | 11400 | 6200 | 900 |
| | | -125.3830 | | - | - | - | 740 | 290 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 456 | MER120 | -46.7330 | -4100.0000 | 162000 | 96000 | 40219 | 96751 | 14700 | 6900 | 2300 | 8600 | 4600 | 830 |
| | | -123.0160 | | 800 | 11200 | - | 620 | 360 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 456 | MGH 36 | -46.7330 | -4100.0000 | 76000 | 119000 | 50000 | 196000 | 34000 | 12000 | 700 | 2900 | 2200 | 400 |
| | | -123.0160 | | - | 7000 | - | 550 | 50 | - | - | 19000 | 250 | 43 |
| | | | | 40 | - | - | 710 | - | - | 7 | - | 460 | - |
| 456 | MGH 46 | -41.4000 | -4880.0000 | 209000 | 140000 | 30000 | 117000 | 18000 | 9000 | 3600 | 11000 | 4200 | - |
| | | -129.1000 | | - | 7000 | - | 760 | 380 | - | - | 12000 | 440 | - |
| | | | | 130 | - | - | 1200 | - | - | - | - | 590 | - |
| 456 | MGH 47 | -41.5330 | -4750.0000 | 246000 | 140000 | 28000 | 49000 | 16000 | 10000 | 3600 | 15000 | 4300 | - |
| | | -128.2500 | | - | 6000 | - | 690 | 390 | - | - | 16000 | 510 | 18 |
| | | | | 200 | - | - | 840 | 90 | - | - | - | 1000 | - |
| 456 | MGH 48 | -42.2660 | -4560.0000 | 329000 | 105000 | 20000 | 51000 | 20000 | 5300 | 3600 | 14000 | 5400 | 400 |
| | | -125.8330 | | - | 6000 | - | 1000 | 630 | - | - | 20000 | 600 | - |
| | | | | 110 | - | - | 640 | - | - | - | - | 450 | - |
| 456 | MGH 57 | -44.2160 | -4600.0000 | 152000 | 112000 | 44000 | 163000 | 18000 | 7000 | 2000 | 4500 | 2400 | 400 |
| | | -127.3330 | | - | 8000 | - | 580 | 110 | - | - | 11000 | 240 | - |
| | | | | 110 | - | - | 1000 | - | - | - | - | 560 | - |
| 454 | CRON23 | -42.0000 | -4240.0000 | 227200 | 103400 | - | - | - | 2180 | 1350 | 19870 | 5080 | - |
| | | -102.0000 | | - | - | - | - | 400 | - | - | - | 390 | 2 |
| | | | | - | - | - | 240 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 454 | MER121 | -41.9830 | -4200.0000 | 245000 | 96000 | 30164 | 51881 | 15700 | 3700 | 1300 | 10200 | 5900 | 1200 |
| | | -102.0160 | | 970 | 6700 | - | 890 | 540 | - | - | - | - | - |
| | | | | - | - | - | 650 | - | - | - | - | - | - |
| 454 | MER122 | -44.1330 | -4100.0000 | 195000 | 99000 | 16934 | 41131 | 15000 | 3500 | 1000 | 6700 | 3200 | 400 |
| | | -100.9670 | | - | - | - | 500 | 310 | - | - | - | - | - |
| | | | | - | - | - | 480 | - | - | - | - | - | - |
| 454 | MGH 49 | -44.1330 | -4100.0000 | 291000 | 147000 | 25000 | 61000 | 22000 | 5200 | 1500 | 10000 | 4800 | 600 |
| | | -100.9660 | | - | - | - | 800 | 470 | - | - | 19000 | 480 | - |
| | | | | 67 | - | - | 710 | - | - | 7 | - | 720 | - |
| 454 | MGH 54 | -41.9830 | -4200.0000 | 221000 | 182000 | 28000 | 84000 | 16000 | 4800 | 1100 | 9000 | 4000 | 400 |
| | | -102.0166 | | - | 6000 | - | 1000 | 370 | - | - | 14000 | 490 | - |
| | | | | 170 | - | - | 710 | - | - | 7 | - | 700 | - |
| 452 | MER123 | -42.7170 | -2156.0000 | 129000 | 194000 | 14817 | 55153 | 17000 | 4000 | 800 | 1800 | 1100 | 400 |
| | | -82.1830 | | - | 2000 | - | 1200 | 400 | - | - | - | - | - |
| | | | | - | - | - | 310 | - | - | - | - | - | - |
| 452 | MGH 26 | -42.7160 | -2650.0000 | 177000 | 266000 | 21000 | 75000 | 23000 | 6000 | 1100 | 2400 | 1500 | 500 |
| | | -83.1830 | | - | 3000 | - | 1600 | 550 | - | - | 13000 | 800 | 8 |
| | | | | 270 | - | - | 430 | 150 | - | - | - | 1000 | - |
| 449 | LAM159 | -47.9330 | -2620.0000 | 230000 | 180000 | - | - | - | - | 12000 | 11000 | 800 | - |
| | | -57.1000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 448 | MER155 | -49.3500 | -4980.0000 | 127000 | 120000 | 40219 | 157981 | 12200 | 2900 | 900 | 4600 | 900 | 630 |
| | | -47.7500 | | - | - | - | 840 | 150 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 448 | WILL04 | -49.3500 | -5055.0000 | - | 112000 | - | 137000 | - | 3200 | 580 | 6300 | 1900 | - |
| | | -47.7500 | | - | - | - | - | 420 | - | - | 12000 | 340 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 447 | LAM158 | -48.3660 | -5185.0000 | 97000 | 111000 | - | - | - | - | 500 | 2800 | 1300 | - |
| | | -38.0660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 443 | LAM140 | -37.9160 | -5185.0000 | 164000 | 137000 | - | - | - | - | 1500 | 6400 | 2100 | - |
| | | 8.9330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 443 | LAM141 | -31.1830 | -4768.0000 | 120000 | 60000 | - | - | - | - | 1200 | 6400 | 3700 | - |
| | | 8.7660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 443 | LAM142 | -35.0830 | -4825.0000 | 220000 | 68000 | - | - | 15000 | - | 1300 | 13000 | 5000 | - |
| | | 8.3660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 443 | LAM143 | -35.9660 | -5039.0000 | 157000 | 97000 | - | - | - | - | 1700 | 11800 | 2900 | - |
| | | 7.0660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 443 | LAM144 | -32.3330 | -2047.0000 | 170000 | 160000 | - | - | - | - | 8400 | 5600 | 1000 | - |
| | | 2.1660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 443 | LAM145 | -32.3500 | -1675.0000 | 170000 | 180000 | - | - | - | - | 8400 | 3600 | 300 | - |
| | | 2.1160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 443 | LAM146 | -31.4830 | -3043.0000 | 130000 | 180000 | - | - | - | - | 4800 | 2800 | 700 | - |
| | | 1.0330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 443 | LAM147 | -31.4500 | -4136.0000 | 180000 | 158000 | - | - | 21000 | - | 2200 | 3800 | 2000 | - |
| | | 0.9500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 442 | LAM136 | -37.5500 | -1796.0000 | 160000 | 145000 | - | - | - | - | 4600 | 3100 | 500 | - |
| | | 18.1000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 442 | LAM137 | -37.5500 | -3147.0000 | 105000 | 172000 | - | - | - | - | 2600 | 2800 | 800 | - |
| | | 18.1000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 442 | LAM138 | -38.9500 | -4854.0000 | 186000 | 140000 | - | - | - | - | 1600 | 7200 | 1800 | - |
| | | 17.4500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 442 | LAM139 | -36.2160 | -4583.0000 | 69000 | 133000 | - | - | - | - | 1100 | 2500 | 1000 | - |
| | | 14.2000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 442 | W-A 01 | -34.6000 | -2740.0000 | 268000 | 174000 | - | - | 17700 | - | 2600 | 6800 | 800 | 1318 |
| | | 17.0000 | | - | - | - | - | - | - | 11 | - | - | - |
| | | | | - | 3 | - | 562 | - | - | - | - | - | - |
| 442 | W-A 02 | -34.7000 | -3200.0000 | 269000 | 141000 | - | - | 20000 | - | 2900 | 8800 | 1000 | 1101 |
| | | 16.9000 | | - | - | - | - | - | - | 16 | - | - | - |
| | | | | - | 2 | - | 703 | - | - | - | - | - | - |
| 442 | W-A 20 | -38.1670 | -4580.0000 | 214000 | 105000 | - | - | 14200 | - | 1800 | 10200 | 2600 | 707 |
| | | 17.0670 | | - | - | - | - | - | - | 10 | - | - | - |
| | | | | - | 3 | - | 1040 | - | - | - | - | - | - |
| 442 | W-A 21 | -38.1670 | -4580.0000 | 182000 | 102000 | - | - | 13600 | - | 1700 | 7900 | 3100 | 680 |
| | | 17.0670 | | - | - | - | - | - | - | 7 | - | - | - |
| | | | | - | 2 | - | 997 | - | - | - | - | - | - |
| 442 | WILI01 | -34.7000 | -3200.0000 | 1100 | 247400 | - | 11217 | 1300 | - | 80 | 240 | 50 | 89 |
| | | 16.9000 | | 0 | - | - | 76 | 130 | - | - | - | - | - |
| | | | | 10 | - | - | 13 | - | - | 0 | - | 11 | - |
| 442 | WILL01 | -34.6000 | -2743.0000 | - | 84000 | - | 87000 | - | 760 | 2600 | 8200 | 930 | - |
| | | 17.0000 | | - | - | - | - | 320 | - | - | 12000 | 320 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 441 | LAM133 | -37.0500 | -3290.0000 | 161000 | 220000 | - | - | - | - | 2800 | 12200 | 1800 | - |
| | | 24.9500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 441 | LAM134 | -39.0830 | -4517.0000 | 120000 | 100000 | - | - | - | - | 1900 | 7800 | 1600 | - |
| | | 24.1500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | LAM135 | -38.9000 | -5176.0000 | 140000 | 140000 | - | - | - | - | 1700 | 5600 | 1500 | - |
| | | 21.4500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 441 | SUWIC1 | -35.4340 | -170.0000 | 136000 | 76000 | - | 10750 | 167239 | - | 1610 | 6630 | 230 | 740 |
| | | 22.3770 | | 41059 | - | - | 2804 | 259 | - | - | - | - | - |
| | | | | 51 | - | - | 745 | - | - | - | - | 137 | - |
| 441 | SUWIC2 | -35.6160 | -230.0000 | 112000 | 49000 | - | 17293 | 192254 | - | 1410 | 5710 | 310 | 750 |
| | | 22.3770 | | 48047 | - | - | 2041 | 237 | - | - | - | - | - |
| | | | | 50 | - | - | 300 | - | - | - | - | 101 | - |
| 441 | SUWIC3 | -35.7830 | -1070.0000 | 158000 | 184000 | - | 48609 | 52887 | - | 3730 | 5820 | 400 | 1010 |
| | | 22.3830 | | 17908 | - | - | 1200 | 433 | - | - | - | - | - |
| | | | | 141 | - | - | 713 | - | - | - | - | 236 | - |
| 441 | SUWIC4 | -35.3330 | 320.0000 | 109000 | 90000 | - | 32250 | 165095 | - | 1790 | 4240 | 290 | 838 |
| | | 22.6430 | | 41059 | - | - | 1564 | 182 | - | - | - | - | - |
| | | | | 60 | - | - | 533 | - | - | - | - | 167 | - |
| 441 | W-A 19 | -38.6330 | -2960.0000 | 118000 | 197000 | - | - | 11500 | - | 5800 | 5800 | 1700 | 594 |
| | | 26.1330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | 2 | - | 1232 | - | - | - | - | - | - |
| 441 | W-A 22 | -37.7830 | -3040.0000 | 272000 | 122000 | - | - | 21700 | - | 3200 | 12700 | 1500 | 799 |
| | | 25.0670 | | - | - | - | - | - | - | 13 | - | - | - |
| | | | | - | 3 | - | 2097 | - | - | - | - | - | - |
| 440 | W-A 06 | -33.0170 | -1280.0000 | 56300 | 45700 | - | - | 162000 | - | 2400 | 4300 | 1000 | 390 |
| | | 34.8170 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 2 | - | 932 | - | - | - | - | - | - |
| 440 | W-A 07 | -33.0170 | -1280.0000 | 74300 | 12700 | - | - | 153000 | - | 900 | 4600 | 800 | 493 |
| | | 34.8170 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | 310 | - | - | - | - | - | - |
| 440 | W-A 08 | -33.0170 | -1280.0000 | 62700 | 18400 | - | - | 167000 | - | 1300 | 5900 | 1200 | 430 |
| | | 34.8170 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | 315 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 440 | W-A 09 | -33.0170 | -1280.0000 | 98600 | 56800 | - | - | 14000 | - | 4200 | 5900 | 1300 | 488 |
| | | 34.8170 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 2 | - | 890 | - | - | - | - | - | - |
| 440 | W-A 23 | -35.7330 | -3800.0000 | 207000 | 177000 | - | - | 18700 | - | 4100 | 5500 | 1300 | 527 |
| | | 34.2670 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | 2012 | - | - | - | - | - | - |
| 440 | W-A 24 | -33.4670 | -5140.0000 | - | 357000 | - | - | 11300 | - | - | - | 1100 | - |
| | | 38.5330 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | - | - | - | - | - | - | - |
| 440 | W-A 25 | -33.4670 | -5140.0000 | 14600 | 295000 | - | - | 8500 | - | 200 | 300 | 800 | 290 |
| | | 38.5330 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | 1287 | - | - | - | - | - | - |
| 440 | WILI02 | -33.0660 | -1280.0000 | 87400 | 133000 | - | 61229 | 99900 | - | 3270 | 3830 | 1020 | 578 |
| | | 34.8160 | | 29047 | - | - | 0 | 0 | - | - | - | - | - |
| | | | | 0 | - | - | 0 | - | - | 0 | - | 0 | - |
| 440 | WILI03 | -33.0660 | -1280.0000 | 15700 | 14800 | - | 22902 | 156700 | - | 540 | 1630 | 250 | 171 |
| | | 34.8160 | | 58269 | - | - | 1134 | 35 | - | - | - | - | - |
| | | | | 301 | - | - | 117 | - | - | 5 | - | 72 | - |
| 440 | WILI04 | -33.0660 | -1280.0000 | 22300 | 24100 | - | 39261 | 162400 | - | 540 | 2620 | 380 | 240 |
| | | 34.8160 | | 56041 | - | - | 1058 | 52 | - | - | - | - | - |
| | | | | 377 | - | - | 89 | - | - | 5 | - | 62 | - |
| 440 | WILI05 | -32.9160 | -1250.0000 | 152400 | 96000 | - | 33185 | 54600 | - | 5290 | 6450 | 1250 | 692 |
| | | 35.4900 | | 16511 | - | - | 1261 | 430 | - | - | - | - | - |
| | | | | 510 | - | - | 1494 | - | - | 17 | - | 319 | - |
| 440 | WILI07 | -32.9160 | -1250.0000 | 88200 | 42800 | - | 25706 | 91100 | - | 1610 | 5920 | 830 | 752 |
| | | 35.4900 | | 27998 | - | - | 1166 | 193 | - | - | - | - | - |
| | | | | 330 | - | - | 279 | - | - | 13 | - | 174 | - |
| 440 | WILI08 | -32.9160 | -1250.0000 | 34300 | 25500 | - | 32250 | 159600 | - | 230 | 2480 | 420 | 101 |
| | | 35.4900 | | 55735 | - | - | 1040 | 16 | - | - | - | - | - |
| | | | | 188 | - | - | 32 | - | - | 5 | - | 77 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 440 | WIL109 | -32.9160 | -1250.0000 | 111300 | 55200 | - | 37391 | 93300 | - | 1740 | 6470 | 1250 | 748 |
| | | 35.4900 | | 29440 | - | - | 1090 | 285 | - | - | - | - | - |
| | | | | 285 | - | - | 842 | - | - | 13 | - | 194 | - |
| 440 | WIL110 | -32.9160 | -1250.0000 | 191300 | 154900 | - | 16358 | 18900 | - | 7740 | 3180 | 480 | 570 |
| | | 35.4900 | | 2882 | - | - | 1675 | 717 | - | - | - | - | - |
| | | | | 180 | - | - | 2410 | - | - | 20 | - | 450 | - |
| 440 | WIL116 | -35.8500 | -3450.0000 | 152500 | 117000 | - | 99556 | 8800 | - | 1630 | 5230 | 2520 | 656 |
| | | 36.7660 | | 917 | - | - | 430 | 430 | - | - | - | - | - |
| | | | | 101 | - | - | 1240 | - | - | 24 | - | 406 | - |
| 440 | WIL117 | -35.8500 | -5450.0000 | 157400 | 106600 | - | 113110 | 8700 | - | 1350 | 6500 | 2950 | 702 |
| | | 36.7660 | | 917 | - | - | 613 | 371 | - | - | - | - | - |
| | | | | 82 | - | - | 951 | - | - | 23 | - | 371 | - |
| 440 | WIL118 | -31.9000 | -2700.0000 | 162100 | 151900 | - | 44402 | 1370 | - | 6150 | 3460 | 1000 | 670 |
| | | 34.3500 | | 2315 | - | - | 1198 | 486 | - | - | - | - | - |
| | | | | 112 | - | - | 1831 | - | - | 18 | - | 496 | - |
| 437 | CRO107 | -31.0333 | -4805.0000 | 132700 | 160700 | - | - | - | 9480 | 4470 | 4850 | 2190 | - |
| | | 64.8666 | | - | - | - | - | 270 | - | - | - | 410 | 14 |
| | | | | - | - | - | 1250 | - | - | - | - | - | - |
| 437 | CRO108 | -31.0333 | -4805.0000 | 123600 | 159700 | - | - | - | 11180 | 3280 | 2190 | 880 | - |
| | | 64.8666 | | - | - | - | - | 150 | - | - | - | 480 | 13 |
| | | | | - | - | - | 1520 | - | - | - | - | - | - |
| 437 | CRO111 | -39.7670 | -4980.0000 | 125100 | 80000 | - | - | - | 9210 | 1130 | 4940 | 2390 | - |
| | | 64.0000 | | - | - | - | - | 120 | - | - | - | 170 | 110 |
| | | | | - | - | - | 60 | - | - | - | - | - | - |
| 436 | BEAN02 | -30.0000 | - - | 117260 | 220660 | 22226 | 72026 | 17510 | 6774 | 1808 | 1807 | 1118 | - |
| | | 71.0000 | | 3843 | - | - | - | 66 | - | - | 14353 | 336 | 2 |
| | | | | - | - | - | - | - | 39 | - | - | - | - |
| 436 | MER159 | -30.6330 | -3958.0000 | 119000 | 192000 | 31222 | 86001 | 14700 | 5600 | 2500 | 2400 | 1600 | 600 |
| | | 70.1170 | | - | - | - | 930 | 130 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 433 | BEAN08 | -32.0000<br>104.0000 | - - | 171560<br>2533<br>- | 123723<br>-<br>- | 11748<br>-<br>- | 89600<br>-<br>- | 16009<br>333<br>- | 5155<br>-<br>71 | 1415<br>-<br>- | 5107<br>12604<br>- | 2715<br>392<br>- | -<br>2<br>- |
| 433 | CRO122 | -32.8000<br>105.8670 | -5300.0000 | 145100<br>-<br>- | 129200<br>-<br>- | -<br>-<br>- | -<br>-<br>160 | -<br>380<br>- | 4880<br>-<br>- | 2440<br>-<br>- | 4880<br>-<br>- | 3010<br>470<br>- | -<br>6<br>- |
| 433 | LAM107 | -32.5330<br>103.3660 | -5245.0000 | 125000<br>-<br>- | 154000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2000<br>-<br>- | 3200<br>-<br>- | 1800<br>-<br>- | -<br>-<br>- |
| 431 | LAM106 | -37.8330<br>124.5000 | -5667.0000 | 185000<br>-<br>- | 117000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 6000<br>-<br>- | -<br>-<br>- | 1300<br>-<br>- | 12900<br>-<br>- | 6400<br>-<br>- | -<br>-<br>- |
| 431 | MER150 | -37.8330<br>124.5000 | -5518.0000 | 184000<br>-<br>- | 103000<br>-<br>- | 39689<br>-<br>- | 118252<br>640<br>1000 | 10400<br>230<br>- | 2500<br>-<br>- | 1500<br>-<br>- | 9000<br>-<br>- | 4500<br>-<br>- | 650<br>-<br>- |
| 428 | W-A 28 | -39.7500<br>159.6500 | -4800.0000 | 262000<br>-<br>- | 81900<br>-<br>1 | -<br>-<br>- | -<br>-<br>843 | 23600<br>-<br>- | -<br>-<br>- | 1900<br>14<br>- | 12500<br>-<br>- | 6000<br>-<br>- | 1083<br>-<br>- |
| 428 | W-A 29 | -39.7500<br>159.6500 | -4800.0000 | 273000<br>-<br>- | 73300<br>-<br>1 | -<br>-<br>- | -<br>-<br>665 | 15900<br>-<br>- | -<br>-<br>- | 1800<br>13<br>- | 13000<br>-<br>- | 6000<br>-<br>- | 1130<br>-<br>- |
| 425 | W-A 30 | -35.8500<br>-178.5170 | -6840.0000 | 205000<br>-<br>- | 204000<br>-<br>2 | -<br>-<br>- | -<br>-<br>1777 | 19000<br>-<br>- | -<br>-<br>- | 2500<br>3<br>- | 2000<br>-<br>- | 700<br>-<br>- | 323<br>-<br>- |
| 425 | W-A 31 | -35.8500<br>-178.5170 | -6840.0000 | 142000<br>-<br>- | 159000<br>-<br>1 | -<br>-<br>- | -<br>-<br>983 | 13100<br>-<br>- | -<br>-<br>- | 3200<br>3<br>- | 1900<br>-<br>- | 1100<br>-<br>- | 378<br>-<br>- |
| 424 | LAM105 | -36.2660<br>-164.3330 | -4896.0000 | 79000<br>-<br>- | 107000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1100<br>-<br>- | 1800<br>-<br>- | 1300<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 424 | MER103 | -35.8330 | -4950.0000 | 178000 | 52000 | 59799 | 118719 | 9400 | 2400 | 2000 | 10800 | 7900 | 1200 |
| | | -163.0160 | | - | - | - | 550 | 190 | - | - | - | - | - |
| | | | | - | - | - | 1000 | - | - | - | - | - | - |
| 424 | MER104 | -35.8330 | -4950.0000 | 141000 | 171000 | 26459 | 74783 | 13400 | 6800 | 3500 | 3000 | 1300 | 500 |
| | | -163.0160 | | - | - | - | 1000 | 220 | - | - | - | - | - |
| | | | | - | - | - | 1900 | - | - | - | - | - | - |
| 423 | LAM104 | -39.5000 | -4826.0000 | 159000 | 63000 | - | - | - | - | 1500 | 7200 | 3800 | - |
| | | -157.7000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 422 | MER097 | -31.2170 | -4280.0000 | 143000 | 182000 | 13759 | 32250 | 15000 | 9000 | 2900 | 2400 | 1200 | - |
| | | -141.2000 | | - | - | - | 1000 | 350 | - | - | - | - | - |
| | | | | - | - | - | 690 | - | - | - | - | - | - |
| 421 | CRON17 | -39.6840 | -4665.0000 | 166200 | 103600 | - | - | - | 7300 | 1770 | 8200 | 2960 | - |
| | | -131.3840 | | - | - | - | - | 420 | - | - | - | 100 | 2 |
| | | | | - | - | - | 1460 | - | - | - | - | - | - |
| 421 | CRON19 | -36.3840 | -4680.0000 | 168100 | 131300 | - | - | - | 14700 | 4300 | 5660 | 3470 | - |
| | | -137.2500 | | - | - | - | - | 510 | - | - | - | 580 | 22 |
| | | | | - | - | - | 260 | - | - | - | - | - | - |
| 421 | CRON22 | -35.1840 | -4700.0000 | 195600 | 141600 | - | - | - | 13400 | 7250 | 3290 | 530 | - |
| | | -135.5340 | | - | - | - | - | 330 | - | - | - | 440 | 31 |
| | | | | - | - | - | 580 | - | - | - | - | - | - |
| 421 | MER105 | -34.0170 | -4721.0000 | 196000 | 217000 | 28576 | 75251 | 22000 | 1400 | 4500 | 5000 | 2100 | 400 |
| | | -138.9170 | | - | 3000 | - | 1000 | 370 | - | - | - | - | - |
| | | | | - | - | - | 1100 | - | - | - | - | - | - |
| 421 | MER106 | -36.5500 | -4700.0000 | 141000 | 124000 | 32810 | 87871 | 14400 | 5700 | 3600 | 6400 | 2900 | 670 |
| | | -137.4000 | | - | - | - | 880 | 230 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |
| 421 | MER107 | -36.5500 | -4700.0000 | 181000 | 105000 | 29635 | 72446 | 11800 | 4800 | 3400 | 11000 | 5000 | 860 |
| | | -137.4000 | | - | - | - | 790 | 280 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 421 | MER108 | -36.3830 | -4680.0000 | 187000 | 130000 | 22226 | 57022 | 15000 | 6100 | 3800 | 6900 | 3300 | 690 |
| | | -137.2500 | | - | - | - | 970 | 290 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 421 | MER109 | -37.0830 | -4940.0000 | 189000 | 112000 | 25930 | 57490 | 13500 | 4800 | 3800 | 9100 | 4300 | 790 |
| | | -137.0000 | | - | - | - | 840 | 330 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 421 | MER110 | -37.0830 | -4940.0000 | 202000 | 126000 | 18521 | 41598 | 18100 | 3100 | 1600 | 8200 | 3500 | 880 |
| | | -137.0000 | | - | - | - | 930 | 380 | - | - | - | - | - |
| | | | | - | - | - | 1000 | - | - | - | - | - | - |
| 421 | MER111 | -39.6830 | -4665.0000 | 207000 | 120000 | 32810 | 55153 | 19700 | 8800 | 3100 | 8200 | 4100 | 830 |
| | | -131.3830 | | 800 | 6400 | - | 1000 | 380 | - | - | - | - | - |
| | | | | - | - | - | 1100 | - | - | - | - | - | - |
| 421 | MGH 41 | -34.0160 | -4280.0000 | 209000 | 266000 | 21000 | 47000 | 22000 | 13000 | 4200 | 3500 | 1700 | - |
| | | -138.9160 | | - | - | - | 1400 | 510 | - | - | 12000 | 700 | - |
| | | | | 260 | - | - | 1000 | 150 | - | - | - | 900 | - |
| 421 | MGH 42 | -34.0160 | -4721.0000 | 196000 | 217000 | 29000 | 75000 | 22000 | 14000 | 4500 | 5000 | 2100 | 400 |
| | | -138.9160 | | - | 3000 | - | 1000 | 360 | - | - | 12000 | 600 | - |
| | | | | 310 | - | - | 1100 | 160 | - | - | - | 1100 | - |
| 421 | MGH 43 | -37.8330 | -4940.0000 | 265000 | 112000 | 35000 | 75000 | 15000 | 7000 | 2800 | 15000 | 6600 | - |
| | | -137.0000 | | - | 5000 | - | 900 | 900 | - | - | 22000 | 480 | - |
| | | | | 130 | - | - | 890 | - | - | - | - | 710 | - |
| 421 | MGH 44 | -37.8330 | -4940.0000 | 246000 | 154000 | 29000 | 70000 | 25000 | 7000 | 3300 | 9000 | 5300 | 500 |
| | | -137.0000 | | - | 4000 | - | 800 | 420 | - | - | 16000 | 520 | - |
| | | | | 130 | - | - | 1400 | 110 | - | - | - | 570 | - |
| 421 | MORR24 | -32.6000 | -4350.0000 | 256912 | 187158 | 23496 | 78429 | 9973 | - | - | - | - | - |
| | | -137.7166 | | - | - | - | - | - | - | - | 3861 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 421 | MORR25 | -32.6000 | -4350.0000 | 173735 | 102180 | 59376 | 129656 | 28704 | - | - | - | - | - |
| | | -137.7166 | | 14278 | - | - | - | - | - | - | 4290 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 421 | MURR26 | -32.6000 | -4350.0000 | 113480 | 170547 | 45511 | 115214 | 23593 | - | - | - | - | - |
| | | -137.7166 | | - | - | - | - | - | - | - | 4091 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 421 | MURR27 | -32.6000 | -4350.0000 | 155103 | 129202 | 75146 | 121523 | 8755 | - | - | - | - | - |
| | | -137.7166 | | 5252 | - | - | - | - | - | - | 8755 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 421 | MURR28 | -32.6000 | -4350.0000 | 60044 | 211006 | 49691 | 189764 | 13130 | - | - | - | - | - |
| | | -137.7166 | | - | - | - | - | - | - | - | 13130 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 421 | MURR29 | -32.6000 | -4350.0000 | 98293 | 140129 | 56359 | 169011 | 14472 | - | - | - | - | - |
| | | -137.7166 | | - | - | - | - | - | - | - | 14472 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 421 | MURR30 | -32.6000 | -4350.0000 | 156088 | 94133 | 60752 | 101893 | 23390 | - | - | - | - | - |
| | | -137.7166 | | - | - | - | - | - | - | - | 23390 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 421 | MURR31 | -32.6000 | -4350.0000 | 73544 | 124772 | 67843 | 204253 | 17082 | - | - | - | - | - |
| | | -137.7166 | | 799 | 15690 | - | - | - | - | - | 17082 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 418 | MURR32 | -39.0666 | -3740.0000 | 264435 | 154009 | 16987 | 78055 | 23260 | - | - | - | - | - |
| | | -105.0833 | | 1378 | - | - | - | - | - | - | 11993 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 416 | CRON18 | -37.4840 | -3245.0000 | 185100 | 123400 | - | - | - | 2340 | 800 | 6860 | 3350 | - |
| | | -83.1160 | | - | - | - | - | 240 | - | - | - | 280 | 3 |
| | | | | - | - | - | 190 | - | - | - | - | - | - |
| 416 | MER112 | -37.4830 | -3245.0000 | 172000 | 127000 | 33868 | 66838 | 14000 | 2000 | 1200 | 7800 | 4500 | 990 |
| | | -83.1170 | | - | - | - | 800 | 250 | - | - | - | - | - |
| | | | | - | - | - | 1000 | - | - | - | - | - | - |
| 416 | MER113 | -37.0670 | -4000.0000 | 191000 | 71000 | 28047 | 61229 | 12000 | 2200 | 800 | 12000 | 5200 | 300 |
| | | -81.0830 | | - | 3000 | - | 370 | 460 | - | - | - | - | - |
| | | | | - | - | - | 370 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 416 | MGH 55 | -37.6660 | -4000.0000 | 265000 | 98000 | 39000 | 84000 | 17000 | 3100 | 1100 | 16000 | 7200 | 400 |
| | | -61.0830 | | - | 4000 | - | 510 | 640 | - | - | 20000 | 480 | 8 |
| | | | | 130 | - | - | 520 | - | - | - | - | 380 | - |
| 416 | MURR33 | -37.4833 | -3250.0000 | 216343 | 219865 | 5291 | 68894 | 33241 | - | - | - | - | - |
| | | -83.1166 | | - | - | - | - | - | - | - | 13742 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 416 | MURR34 | -37.4833 | -3250.0000 | 29248 | 80179 | 98801 | 227810 | - | - | - | - | - | - |
| | | -83.1166 | | - | 33789 | - | - | - | - | - | 6694 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 415 | MER114 | -33.5170 | -3950.0000 | 290000 | 25000 | 24872 | 57022 | 13000 | 1400 | 80 | 1500 | 1500 | 700 |
| | | -74.7170 | | - | 6000 | - | 200 | 470 | - | - | - | - | - |
| | | | | - | - | - | 160 | - | - | - | - | - | - |
| 415 | MGH 25 | -33.5160 | -3960.0000 | 353000 | 31000 | 30000 | 70000 | 16000 | 1700 | 100 | 1800 | 1800 | 800 |
| | | -74.7160 | | - | 7000 | - | 240 | 570 | - | - | 17000 | 360 | - |
| | | | | - | - | - | 190 | - | - | - | - | 60 | - |
| 415 | MURR35 | -33.5166 | -3950.0000 | 391415 | 50056 | 15875 | 65903 | 28579 | - | - | - | - | - |
| | | -74.7166 | | - | - | - | - | - | - | - | 6141 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 415 | MURR36 | -33.5166 | -3950.0000 | 329683 | 108530 | 13759 | 67305 | 14105 | - | - | - | - | - |
| | | -74.7166 | | - | - | - | - | - | - | - | 13741 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 415 | MURR37 | -33.5166 | -3950.0000 | 444570 | 47694 | 12700 | 51834 | - | - | - | - | - | - |
| | | -74.7166 | | - | - | - | - | - | - | - | 9690 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 411 | LAM150 | -30.1830 | -4813.0000 | 121000 | 136000 | - | - | - | - | 1200 | 3800 | 1100 | - |
| | | -39.3660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 411 | LAM151 | -30.1330 | -4111.0000 | 117000 | 150000 | - | - | - | - | 2200 | 2500 | 800 | - |
| | | -39.4660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 410 | LAM149 | -32.2000 | -4193.0000 | 117000 | 188000 | - | - | - | - | 3200 | 2100 | 900 | - |
| | | -26.7330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 408 | LAM148 | -34.2500 | -2158.0000 | 172000 | 176000 | - | - | - | - | 4600 | 3700 | 2800 | - |
| | | -1.4160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 404 | WILI11 | -29.1000 | -3880.0000 | 277700 | 20300 | - | 37391 | 2300 | - | 550 | 1080 | 2050 | 190 |
| | | 36.7340 | | 0 | - | - | 2895 | 250 | - | - | - | - | - |
| | | | | 33 | - | - | 623 | - | - | 0 | - | 59 | - |
| 404 | WILI12 | -29.1000 | -3880.0000 | 121800 | 153800 | - | 54685 | 11500 | - | 2170 | 1440 | 580 | 403 |
| | | 36.7340 | | 1790 | - | - | 1048 | 368 | - | - | - | - | - |
| | | | | 126 | - | - | 1469 | - | - | 15 | - | 503 | - |
| 404 | WILI13 | -29.1000 | -3880.0000 | 2900 | 47200 | - | 259406 | 7700 | - | 60 | 210 | 100 | 115 |
| | | 36.7340 | | 1790 | - | - | 95 | 2 | - | - | - | - | - |
| | | | | 85 | - | - | 15 | - | - | 16 | - | 190 | - |
| 404 | WILI14 | -29.1000 | -3880.0000 | 304400 | 16800 | - | 36924 | 2000 | - | 550 | 690 | 1960 | 165 |
| | | 36.7340 | | 0 | - | - | 4593 | 232 | - | - | - | - | - |
| | | | | 37 | - | - | 235 | - | - | 0 | - | 63 | - |
| 404 | WILI15 | -29.1000 | -3880.0000 | 3900 | 49700 | - | 286048 | 4000 | - | 60 | 210 | 140 | 133 |
| | | 36.7340 | | 1004 | - | - | 80 | 3 | - | - | - | - | - |
| | | | | 67 | - | - | 13 | - | - | 17 | - | 170 | - |
| 404 | WILI19 | -24.0660 | -1720.0000 | 6800 | 396300 | - | 49544 | 3900 | - | 420 | 820 | 70 | 154 |
| | | 36.2670 | | 1004 | - | - | 178 | 120 | - | - | - | - | - |
| | | | | 17 | - | - | 92 | - | - | 6 | - | 60 | - |
| 404 | WILI20 | -24.0660 | -1720.0000 | 1700 | 31900 | - | 155176 | 112700 | - | 40 | 20 | 30 | 80 |
| | | 36.2670 | | 0 | - | - | 590 | 4 | - | - | - | - | - |
| | | | | 30 | - | - | 7 | - | - | 11 | - | 136 | - |
| 404 | WILI21 | -23.0000 | -2990.0000 | 92000 | 76400 | - | 207525 | 12600 | - | 1810 | 1610 | 920 | 274 |
| | | 38.6170 | | 480 | - | - | 249 | 249 | - | - | - | - | - |
| | | | | 34 | - | - | 515 | - | - | 16 | - | 158 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 402 | LAM122 | -22.4830<br>59.5160 | -4960.0000 | 114000<br>-<br>- | 198000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 26000<br>-<br>- | -<br>-<br>- | 2200<br>-<br>- | 1100<br>-<br>- | 700<br>-<br>- | -<br>-<br>- |
| 402 | LAM123 | -24.4660<br>56.6160 | -4589.0000 | 117000<br>-<br>- | 169000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4600<br>-<br>- | 2400<br>-<br>- | 1500<br>-<br>- | -<br>-<br>- |
| 402 | LAM124 | -23.4330<br>50.8160 | -4847.0000 | 110000<br>-<br>- | 150000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2500<br>-<br>- | 2400<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 402 | MER157 | -26.9000<br>56.0670 | -4855.0000 | 111000<br>-<br>- | 97000<br>-<br>- | 56095<br>-<br>- | 173405<br>930<br>1300 | 18000<br>80<br>- | 4000<br>-<br>- | 2100<br>-<br>- | 4200<br>-<br>- | 2900<br>-<br>- | 550<br>-<br>- |
| 401 | BEAN18 | -23.0000<br>61.0000 | - - | 135289<br>-<br>- | 170233<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2202<br>-<br>- | 1257<br>-<br>- | 319<br>-<br>- | -<br>-<br>- |
| 401 | CRU106 | -26.9333<br>61.8170 | -4700.0000 | 94800<br>-<br>- | 183000<br>-<br>- | -<br>-<br>- | -<br>-<br>1400 | -<br>150<br>- | 10690<br>-<br>- | 4280<br>-<br>- | 1360<br>-<br>- | 1320<br>470<br>- | -<br>17<br>- |
| 401 | CRU109 | -29.9000<br>61.8840 | -4400.0000 | 107200<br>-<br>- | 179200<br>-<br>- | -<br>-<br>- | -<br>-<br>450 | -<br>190<br>- | 12700<br>-<br>- | 4780<br>-<br>- | 1420<br>-<br>- | 1380<br>520<br>- | -<br>69<br>- |
| 401 | CRU110 | -29.9000<br>61.8840 | -4400.0000 | 114700<br>-<br>- | 204700<br>-<br>- | -<br>-<br>- | -<br>-<br>1000 | -<br>140<br>- | 11490<br>-<br>- | 3300<br>-<br>- | 1930<br>-<br>- | 1830<br>420<br>- | -<br>13<br>- |
| 401 | LAM120 | -23.1160<br>63.0830 | -3928.0000 | 159000<br>-<br>- | 210000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 26000<br>-<br>- | -<br>-<br>- | 3600<br>-<br>- | 1800<br>-<br>- | 800<br>-<br>- | -<br>-<br>- |
| 401 | LAM121 | -29.8660<br>62.6000 | -4609.0000 | 123000<br>-<br>- | 196000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 14000<br>-<br>- | -<br>-<br>- | 1800<br>-<br>- | 1800<br>-<br>- | 1400<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | MER158 | -29.8670 | -4396.0000 | 55000 | 209000 | 32281 | 94882 | 14300 | 6500 | 2900 | 1300 | 1100 | 470 |
| | | 62.6000 | | - | - | - | 960 | 130 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 400 | CRD118 | -21.5170 | -4610.0000 | 182700 | 164400 | - | - | - | 5600 | 2090 | 5380 | 1760 | - |
| | | 78.0167 | | - | - | - | - | 330 | - | - | - | 360 | 10 |
| | | | | - | - | - | 830 | - | - | - | - | - | - |
| 400 | CRD119 | -23.2670 | -4520.0000 | 132000 | 160000 | - | - | - | 5680 | 2070 | 4090 | 1900 | - |
| | | 74.9833 | | - | - | - | - | 220 | - | - | - | 390 | 14 |
| | | | | - | - | - | 250 | - | - | - | - | - | - |
| 398 | BEAND1 | -26.0000 | - - | 150034 | 121415 | 32598 | 94554 | 17581 | 9891 | 1966 | 4007 | 1517 | - |
| | | 90.0000 | | 1921 | - | - | - | 266 | - | - | 19781 | 336 | 1 |
| | | | | - | - | - | - | - | 79 | - | - | - | - |
| 398 | BEAND9 | -24.0000 | - - | 174884 | 119037 | 16405 | 78102 | 20297 | 8692 | 2202 | 4400 | 1757 | - |
| | | 92.0000 | | 2402 | - | - | - | 66 | - | - | 11700 | 392 | 4 |
| | | | | - | - | - | - | - | 79 | - | - | - | - |
| 398 | BEAN10 | -22.0000 | - - | 192702 | 121835 | 16616 | 61743 | 19582 | 6234 | 3145 | 5186 | 2076 | - |
| | | 92.0000 | | 2489 | - | - | - | 466 | - | - | 12182 | 448 | 1 |
| | | | | - | - | - | - | - | 79 | - | - | - | - |
| 398 | BEAN11 | -22.0000 | - - | 190841 | 131487 | 21961 | 58845 | 20297 | 6354 | 2752 | 4479 | 1837 | - |
| | | 92.0000 | | 2664 | - | - | - | 399 | - | - | 10132 | 448 | 2 |
| | | | | - | - | - | - | - | 79 | - | - | - | - |
| 398 | BEAN12 | -21.0000 | - - | 220822 | 118268 | 18204 | 43561 | 19868 | 6354 | 3303 | 6993 | 2875 | - |
| | | 92.0000 | | 2402 | - | - | - | 266 | - | - | 13268 | 448 | 1 |
| | | | | - | - | - | - | - | 79 | - | - | - | - |
| 398 | CRD123 | -23.8670 | -4560.0000 | 137100 | 113900 | - | - | - | 10000 | 1870 | 3290 | 1210 | - |
| | | 91.6500 | | - | - | - | - | 290 | - | - | - | 390 | 6 |
| | | | | - | - | - | 60 | - | - | - | - | - | - |
| 398 | CRD124 | -20.8670 | -4565.0000 | 145300 | 98000 | - | - | - | 7420 | 2020 | 5300 | 2970 | - |
| | | 91.4833 | | - | - | - | - | 260 | - | - | - | 390 | 7 |
| | | | | - | - | - | 950 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 397 | BEAN06 | -27.0000 | - - | 167453 | 160162 | 17939 | 67959 | 19439 | 6594 | 3224 | 3064 | 1278 | - |
| | | 108.0000 | | 2926 | - | - | - | 266 | - | - | 10373 | 392 | 1 |
| | | | | - | - | - | - | - | 158 | - | - | - | - |
| 397 | BEAN07 | -27.0000 | - - | 95892 | 117639 | 27518 | 185978 | 13722 | 4736 | 1022 | 2200 | 1198 | - |
| | | 108.0000 | | 2533 | - | - | - | 199 | - | - | 8925 | 336 | 4 |
| | | | | - | - | - | - | - | 71 | - | - | - | - |
| 390 | LAM103 | -26.5660 | -4244.0000 | 155000 | 290000 | - | - | - | - | 1600 | 1600 | 800 | - |
| | | 174.6660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 387 | BARN03 | -22.5830 | - - | 475000 | 138000 | - | - | - | - | 18900 | 8300 | 900 | - |
| | | -150.9170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 387 | BUCH04 | -22.3500 | - - | 178195 | 171492 | 40589 | - | - | - | - | - | - | - |
| | | -150.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 387 | CRUN01 | -22.5500 | -807.0000 | 160700 | 118000 | - | - | - | 12860 | 25700 | 4140 | 460 | - |
| | | -150.9160 | | - | - | - | - | 400 | - | - | - | 690 | 2 |
| | | | | - | - | - | 5140 | - | - | - | - | - | - |
| 387 | MERU98 | -29.5830 | -5252.0000 | 128000 | 178000 | 33868 | 69642 | 9600 | 8600 | 4900 | 2900 | 2000 | 600 |
| | | -158.9670 | | - | - | - | 810 | 230 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 387 | MERU99 | -29.5830 | -5252.0000 | 134000 | 184000 | 31222 | 63098 | 11900 | 8900 | 5400 | 3300 | 2300 | 560 |
| | | -158.9670 | | - | - | - | 890 | 210 | - | - | - | - | - |
| | | | | - | - | - | 1700 | - | - | - | - | - | - |
| 387 | MER100 | -26.0170 | -5038.0000 | 141000 | 182000 | 24872 | 58892 | 13700 | 9800 | 7300 | 3200 | 1400 | 520 |
| | | -155.9830 | | - | - | - | 930 | 200 | - | - | - | - | - |
| | | | | - | - | - | 1800 | - | - | - | - | - | - |
| 387 | MER101 | -24.6830 | -4342.0000 | 157000 | 170000 | 21697 | 44402 | 17300 | 8800 | 5700 | 4100 | 2600 | 630 |
| | | -154.7500 | | - | - | - | 1000 | 250 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 387 | MER102 | -24.6830 | -4542.0000 | 140000 | 189000 | 21697 | 50546 | 16900 | 9700 | 5800 | 2700 | 3100 | 590 |
| | | -154.7500 | | - | - | - | 1100 | 210 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 387 | MURR21 | -22.3500 | -4360.0000 | 156228 | 223926 | 17198 | 105725 | 14312 | - | - | - | - | - |
| | | -150.2833 | | - | - | - | - | - | - | - | 5257 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 387 | MURR23 | -22.3500 | -4360.0000 | 45701 | 205247 | 25560 | 200514 | 14312 | - | - | - | - | - |
| | | -150.2833 | | - | - | - | - | - | - | - | 5429 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 386 | MER094 | -29.1500 | -4120.0000 | 127000 | 155000 | 20109 | 54218 | 31000 | 6300 | 2600 | 3300 | 1600 | - |
| | | -143.0160 | | - | 5000 | - | 600 | 240 | - | - | - | - | - |
| | | | | - | - | - | 800 | - | - | - | - | - | - |
| 386 | MGH 40 | -29.1500 | -4120.0000 | 177000 | 217000 | 28000 | 75000 | 44000 | 9000 | 3600 | 4600 | 2200 | - |
| | | -143.0160 | | - | 7000 | - | 900 | 330 | - | - | 13000 | 600 | 13 |
| | | | | 280 | - | - | 1100 | - | - | - | - | 900 | - |
| 381 | BARN02 | -21.6030 | - - | 188000 | 115000 | - | - | - | - | 1400 | 6600 | 2400 | - |
| | | -96.9330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 381 | MER095 | -21.6000 | -4040.0000 | 155000 | 106000 | 43923 | 92077 | 14000 | 7200 | 1800 | 10900 | 6200 | 1000 |
| | | -96.9330 | | 1320 | 12300 | - | 660 | 330 | - | - | - | - | - |
| | | | | - | - | - | 820 | - | - | - | - | - | - |
| 381 | MGH 13 | -21.6000 | -4040.0000 | 126000 | 119000 | 44000 | 150000 | 14000 | 4900 | 1400 | 3900 | 2200 | - |
| | | -96.9330 | | - | 29000 | - | 620 | 270 | - | - | 11000 | 290 | 8 |
| | | | | 160 | - | - | 660 | - | - | - | - | 580 | - |
| 381 | MGH 14 | -21.6000 | -4040.0000 | 133000 | 154000 | 50000 | 121000 | 19000 | 7000 | 1400 | 4200 | 2600 | - |
| | | -96.9330 | | - | 25000 | - | 900 | 220 | - | - | 13000 | 350 | - |
| | | | | 200 | - | - | 540 | - | - | - | - | 680 | - |
| 380 | BARN01 | -25.5170 | - - | 450000 | 95500 | - | - | - | - | 1000 | 5400 | 1300 | - |
| | | -85.2330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 380 | LAM132 | -22.6160 | -4243.0000 | 180000 | 224000 | - | - | 14000 | - | 2600 | 4400 | 2600 | - |
| | | -80.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 380 | MER096 | -25.5160 | -920.0000 | 423000 | 24700 | 6879 | 3271 | 17300 | 2100 | 1700 | 2600 | 1500 | 520 |
| | | -85.2330 | | 4300 | 12000 | - | 900 | 430 | - | - | - | - | - |
| | | | | - | - | - | 620 | - | - | - | - | - | - |
| 380 | MGH 56 | -25.5160 | -920.0000 | 373000 | 112000 | 7000 | 26000 | 21000 | 5900 | 7000 | 5600 | 1600 | 400 |
| | | -85.2330 | | - | 5000 | - | 740 | 600 | - | - | 21000 | 600 | - |
| | | | | 260 | - | - | 1900 | 140 | - | - | - | 260 | - |
| 380 | W-A 18 | -25.5170 | -920.0000 | 339000 | 94100 | - | - | 14300 | - | 1500 | 3300 | 1100 | 565 |
| | | -85.2330 | | - | - | - | - | - | - | 9 | - | - | - |
| | | | | - | 2 | - | 472 | - | - | - | - | - | - |
| 375 | LAM130 | -20.9830 | -4301.0000 | 30000 | 100000 | - | - | 16000 | - | 500 | 500 | 400 | - |
| | | -31.8000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 375 | LAM131 | -28.7000 | -4777.0000 | 113000 | 132000 | - | - | - | - | 400 | 2400 | 1400 | - |
| | | -38.2330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 375 | MER154 | -20.9830 | -4180.0000 | 24000 | 130000 | 55036 | 256602 | 14600 | 3100 | 900 | 130 | 400 | 350 |
| | | -31.8170 | | - | - | - | 1100 | 0 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 374 | LAM126 | -29.4500 | -4510.0000 | 62000 | 214000 | - | - | - | - | 2100 | 700 | 700 | - |
| | | -21.8500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 374 | LAM127 | -28.5000 | -3781.0000 | 127000 | 170000 | - | - | - | - | 4600 | 3800 | 1200 | - |
| | | -28.9660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 374 | LAM128 | -28.5330 | -3566.0000 | 66000 | 94000 | - | - | - | - | 2100 | 2400 | 900 | - |
| | | -29.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 374 | LAM129 | -28.5330 | -4361.0000 | 113000 | 157000 | - | - | - | - | 3700 | 3000 | 1300 | - |
| | | -29.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 372 | LAM125 | -23.0500 | -5305.0000 | 172000 | 140000 | - | - | - | - | 3100 | 5100 | 2900 | - |
| | | -3.6000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 364 | BEAN04 | -17.0000 | - - | 112844 | 111484 | 44981 | 125730 | 16438 | 3716 | 1415 | 3693 | 1677 | - |
| | | 71.0000 | | 1834 | - | - | - | 199 | - | - | 15921 | 224 | 6 |
| | | | | - | - | - | - | - | 634 | - | - | - | - |
| 364 | BEAN13 | -12.0000 | - - | 293628 | 45041 | 16987 | 60060 | 15008 | 1378 | 471 | 14144 | 13659 | - |
| | | 79.0000 | | 1179 | - | - | - | 533 | - | - | 17188 | 336 | 2 |
| | | | | - | - | - | - | - | 26 | - | - | - | - |
| 364 | BEAN16 | -12.0000 | - - | 217979 | - | - | - | - | - | 786 | 15480 | 9905 | - |
| | | 79.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 364 | CRU125 | -11.9833 | -5445.0000 | 195600 | 45000 | - | - | - | 4710 | 580 | 13500 | 7720 | - |
| | | 79.0834 | | - | - | - | - | 330 | - | - | - | 370 | 9 |
| | | | | - | - | - | 46 | - | - | - | - | - | - |
| 364 | LAM118 | -18.8000 | -4934.0000 | 128000 | 112000 | - | - | 15000 | - | 1600 | 4600 | 2700 | - |
| | | 78.1500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 363 | BEAN05 | -15.0000 | - - | 219350 | 71268 | 28788 | 83898 | 15937 | 2457 | 1415 | 8093 | 7109 | - |
| | | 84.0000 | | 1572 | - | - | - | 266 | - | - | 22555 | 280 | 1 |
| | | | | - | - | - | - | - | 63 | - | - | - | - |
| 363 | BEAN14 | -12.0000 | - - | 207657 | 129948 | 18574 | 50993 | 19225 | 5095 | 2359 | 5893 | 3674 | - |
| | | 85.0000 | | 2009 | - | - | - | 266 | - | - | 11881 | 392 | 1 |
| | | | | - | - | - | - | - | 62 | - | - | - | - |
| 363 | BEAN15 | -12.0000 | - - | 0 | 120296 | 23761 | 83430 | 19868 | 5035 | 2752 | 3693 | 2476 | - |
| | | 85.0000 | | 1965 | - | - | - | 266 | - | - | 10674 | 50 | 2 |
| | | | | - | - | - | - | - | 79 | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 363 | BEAN17 | -12.0000 | - - | 0 | - | - | - | - | - | 1887 | 5422 | 2236 | - |
| | | 85.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 363 | CRU117 | -15.8500 | -4750.0000 | 189600 | 179200 | - | - | - | 7330 | 2240 | 2900 | 1080 | - |
| | | 85.3000 | | - | - | - | - | 230 | - | - | - | 450 | 3 |
| | | | | - | - | - | 1050 | - | - | - | - | - | - |
| 363 | CRU121 | -14.1166 | -5255.0000 | 117600 | 96500 | - | - | - | 4200 | 450 | 3250 | 2420 | - |
| | | 89.5833 | | - | - | - | - | 310 | - | - | - | 280 | 22 |
| | | | | - | - | - | 810 | - | - | - | - | - | - |
| 363 | LAM117 | -16.1830 | -5400.0000 | 230000 | 122000 | - | - | 11000 | - | 2400 | 7400 | 4800 | - |
| | | 82.1000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 363 | WILI22 | -17.3330 | -5010.0000 | 135600 | 99100 | - | 107969 | 11500 | - | 2150 | 4350 | 2930 | 463 |
| | | 84.4000 | | 917 | - | - | 0 | - | - | - | - | - | - |
| | | | | 0 | - | - | 0 | - | - | 0 | - | 0 | - |
| 362 | CRU116 | -13.2500 | -5325.0000 | 153900 | 104900 | - | - | - | 6330 | 1230 | 5710 | 8290 | - |
| | | 93.2000 | | - | - | - | - | 280 | - | - | - | 430 | 12 |
| | | | | - | - | - | 530 | - | - | - | - | - | - |
| 361 | CRU113 | -16.2833 | -5918.0000 | 145500 | 130600 | - | - | - | 5000 | 1530 | 4690 | 10550 | - |
| | | 106.5000 | | - | - | - | - | 250 | - | - | - | 310 | 12 |
| | | | | - | - | - | 310 | - | - | - | - | - | - |
| 361 | CRU114 | -16.3000 | -5660.0000 | 184600 | 109300 | - | - | - | 4970 | 3250 | 3800 | 2410 | - |
| | | 104.2670 | | - | - | - | - | 420 | - | - | - | 720 | 15 |
| | | | | - | - | - | 320 | - | - | - | - | - | - |
| 361 | CRU115 | -19.9333 | -5860.0000 | 165100 | 91100 | - | - | - | 3560 | 1960 | 7550 | 5310 | - |
| | | 100.0000 | | - | - | - | - | 520 | - | - | - | 360 | 9 |
| | | | | - | - | - | 700 | - | - | - | - | - | - |
| 361 | LAM101 | -10.6330 | -5273.0000 | 204000 | 142000 | - | - | - | - | 1200 | 6900 | 4800 | - |
| | | 100.8660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 361 | LAM102 | -18.2000<br>101.1660 | -5991.0000 | 228000<br>-<br>- | 106000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1800<br>-<br>- | 8600<br>-<br>- | 7500<br>-<br>- | -<br>-<br>- |
| 360 | W-A 26 | -10.8500<br>113.0170 | -5150.0000 | 184000<br>-<br>- | 126000<br>-<br>1 | -<br>-<br>- | -<br>-<br>1038 | 20200<br>-<br>- | -<br>-<br>- | 900<br>3<br>- | 6800<br>-<br>- | 1900<br>-<br>- | 850<br>-<br>- |
| 358 | GOLD31 | -12.7000<br>134.1670 | - - | 210000<br>2600<br>- | 98600<br>-<br>- | 11700<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3100<br>-<br>- | 900<br>-<br>- | 11500<br>-<br>- | 18100<br>-<br>38 | -<br>-<br>- |
| 358 | GOLD32 | -12.7000<br>134.1670 | - - | 187000<br>4400<br>- | 87900<br>-<br>- | 11700<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3100<br>-<br>- | 690<br>-<br>- | 10500<br>-<br>- | 15500<br>-<br>38 | -<br>-<br>- |
| 358 | GOLD33 | -12.7000<br>134.1670 | - - | 201000<br>3300<br>- | 93700<br>-<br>- | 11700<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3100<br>-<br>- | 660<br>-<br>- | 9600<br>-<br>- | 15800<br>-<br>38 | -<br>-<br>- |
| 354 | BARN12 | -11.3170<br>178.2000 | - - | 342000<br>-<br>- | 174000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 8500<br>-<br>- | 5400<br>-<br>- | 500<br>-<br>- | -<br>-<br>- |
| 352 | CRON02 | -11.8500<br>-160.8500 | -3803.0000 | 169000<br>-<br>- | 180000<br>-<br>- | -<br>-<br>- | -<br>-<br>290 | -<br>270<br>- | 7930<br>-<br>- | 5120<br>-<br>- | 3020<br>-<br>- | 1720<br>420<br>- | -<br>5<br>- |
| 352 | CRON03 | -11.8500<br>-160.8500 | -3803.0000 | 157200<br>-<br>- | 181200<br>-<br>- | -<br>-<br>- | -<br>-<br>340 | -<br>240<br>- | 8120<br>-<br>- | 6550<br>-<br>- | 2420<br>-<br>- | 1620<br>380<br>- | -<br>4<br>- |
| 352 | CRON04 | -11.8500<br>-160.8500 | -3803.0000 | 165700<br>-<br>- | 177900<br>-<br>- | -<br>-<br>- | -<br>-<br>490 | -<br>210<br>- | 9600<br>-<br>- | 5900<br>-<br>- | 2260<br>-<br>- | 2170<br>420<br>- | -<br>7<br>- |
| 352 | CRON11 | -16.7320<br>-161.3670 | -4685.0000 | 162700<br>-<br>- | 263200<br>-<br>- | -<br>-<br>- | -<br>-<br>560 | -<br>150<br>- | 26510<br>-<br>- | 4320<br>-<br>- | 2200<br>-<br>- | 1780<br>680<br>- | -<br>57<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 352 | LAM099 | -18.1330<br>-161.4830 | -4839.0000 | 25000<br>-<br>- | 85500<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 18000<br>-<br>- | -<br>-<br>- | 600<br>-<br>- | 400<br>-<br>- | 500<br>-<br>- | -<br>-<br>- |
| 351 | BARN11 | -13.8830<br>-150.5830 | - - | 314000<br>-<br>- | 117000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3600<br>-<br>- | 5300<br>-<br>- | 1700<br>-<br>- | -<br>-<br>- |
| 351 | CRONC5 | -11.5500<br>-158.5160 | -5338.0000 | 148100<br>-<br>- | 144500<br>-<br>- | -<br>-<br>- | -<br>-<br>270 | -<br>380<br>- | 12400<br>-<br>- | 7300<br>-<br>- | 2630<br>-<br>- | 1820<br>610<br>- | -<br>8<br>- |
| 351 | CRONO6 | -11.4160<br>-157.6160 | -5302.0000 | 173400<br>-<br>- | 121400<br>-<br>- | -<br>-<br>- | -<br>-<br>690 | -<br>300<br>- | 6980<br>-<br>- | 3010<br>-<br>- | 6850<br>-<br>- | 3920<br>320<br>- | -<br>12<br>- |
| 351 | CRON12 | -13.8840<br>-150.5840 | -3695.0000 | 121400<br>-<br>- | 150400<br>-<br>- | -<br>-<br>- | -<br>-<br>770 | -<br>280<br>- | 12100<br>-<br>- | 4240<br>-<br>- | 2390<br>-<br>- | 1200<br>460<br>- | -<br>5<br>- |
| 351 | CRON15 | -13.8840<br>-150.5840 | -3623.0000 | 144400<br>-<br>- | 158400<br>-<br>- | -<br>-<br>- | -<br>-<br>290 | -<br>250<br>- | 6770<br>-<br>- | 5040<br>-<br>- | 3490<br>-<br>- | 2230<br>430<br>- | -<br>7<br>- |
| 351 | CRON16 | -13.8840<br>-150.5840 | -3623.0000 | 174200<br>-<br>- | 174400<br>-<br>- | -<br>-<br>- | -<br>-<br>210 | -<br>290<br>- | 4570<br>-<br>- | 5060<br>-<br>- | 3340<br>-<br>- | 3020<br>370<br>- | -<br>5<br>- |
| 351 | CRTH03 | -11.6670<br>-159.2670 | - - | 153900<br>-<br>- | 154000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 5440<br>-<br>- | 9770<br>-<br>- | 4320<br>-<br>- | -<br>-<br>- |
| 351 | LAM085 | -14.4830<br>-150.0160 | -1659.0000 | 125000<br>-<br>- | 167000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4600<br>-<br>- | 4000<br>-<br>- | 1800<br>-<br>- | -<br>-<br>- |
| 351 | LAM086 | -14.4830<br>-150.0160 | -1082.0000 | 98000<br>-<br>- | 178000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4800<br>-<br>- | 4000<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | LAM087 | -12.6330 / -150.7660 | -4784.0000 | 196000 / - / - | 182000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 4600 / - / - | 4000 / - / - | 2000 / - / - | - / - / - |
| 351 | LAM088 | -11.9330 / -150.9330 | -4980.0000 | 204000 / - / - | 151000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 3300 / - / - | 6200 / - / - | 3800 / - / - | - / - / - |
| 351 | LAM089 | -17.8160 / -154.0160 | -1027.0000 | 81000 / - / - | 136000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 5400 / - / - | 2000 / - / - | 900 / - / - | - / - / - |
| 351 | LAM090 | -17.8000 / -154.0330 | -1082.0000 | 207000 / - / - | 165000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 14800 / - / - | 5000 / - / - | 1500 / - / - | - / - / - |
| 351 | LAM091 | -17.8660 / -154.1330 | -1994.0000 | 156000 / - / - | 129000 / - / - | - / - / - | - / - / - | 38000 / - / - | - / - / - | 6400 / - / - | 4200 / - / - | 800 / - / - | - / - / - |
| 351 | LAM092 | -17.8660 / -154.8830 | -4790.0000 | 140000 / - / - | 155000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 5800 / - / - | 2400 / - / - | 800 / - / - | - / - / - |
| 351 | LAM093 | -14.0830 / -155.1500 | -5002.0000 | 129000 / - / - | 97000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1700 / - / - | 7200 / - / - | 600 / - / - | - / - / - |
| 351 | LAM094 | -16.5330 / -156.6660 | -4618.0000 | 186000 / - / - | 170000 / - / - | - / - / - | - / - / - | 15000 / - / - | - / - / - | 3400 / - / - | 5000 / - / - | 1600 / - / - | - / - / - |
| 351 | LAM095 | -12.8500 / -156.1830 | -4980.0000 | 212000 / - / - | 116000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 3900 / - / - | 7200 / - / - | 4300 / - / - | - / - / - |
| 351 | LAM096 | -12.4000 / -157.8160 | -5095.0000 | 156000 / - / - | 119000 / - / - | - / - / - | - / - / - | 22000 / - / - | - / - / - | 4100 / - / - | 4100 / - / - | 1900 / - / - | - / - / - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | LAM097 | -12.4330 | -5220.0000 | 79000 | 56000 | - | - | 37000 | - | 4300 | 4600 | 1800 | - |
| | | -158.3160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 351 | LAM098 | -12.4500 | -5008.0000 | 156000 | 127000 | - | - | 28000 | - | 4000 | 6400 | 2700 | - |
| | | -159.4160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 351 | MER072 | -13.8830 | -3623.0000 | 157000 | 175000 | 16934 | 41598 | 19600 | 6800 | 4300 | 3100 | 2100 | 530 |
| | | -150.5830 | | - | - | - | 1200 | 280 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 351 | MER073 | -13.8830 | -3625.0000 | 143000 | 174000 | 22226 | 54685 | 18000 | 7800 | 4300 | 3100 | 2400 | 600 |
| | | -150.5830 | | - | - | - | 1100 | 220 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 351 | SAN 22 | -12.9840 | -522.0000 | 185778 | 117499 | 22438 | 46646 | 21440 | 6654 | 5505 | 5029 | 1038 | - |
| | | -154.1100 | | 1528 | 5230 | - | - | - | - | - | 9408 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | BARN04 | -18.7850 | - - | 473000 | 95900 | - | - | - | - | 1200 | 17200 | 7100 | - |
| | | -141.2160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | BARN07 | -12.3330 | - - | 233000 | 85700 | - | - | - | - | 1500 | 12500 | 6200 | - |
| | | -144.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | BARN08 | -16.4830 | - - | 414000 | 138000 | - | - | - | - | 11600 | 9600 | 1200 | - |
| | | -145.5500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | BARN09 | -16.1670 | - - | 149000 | 62400 | - | - | - | - | 4100 | 5000 | 700 | - |
| | | -146.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | BARN10 | -18.9170 | - - | 252000 | 183000 | - | - | - | - | 5800 | 4600 | 1800 | - |
| | | -146.3830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | BUCH01 | -13.8666 | - - | 203661 | 166876 | - | - | - | - | - | - | - | - |
| | | -149.2840 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | BUFU01 | -16.4830 | -1270.0000 | 245000 | 115000 | 15000 | 20000 | 21000 | 11000 | 11500 | 7000 | 2500 | 1000 |
| | | -145.5500 | | - | 4000 | - | - | - | - | - | 10000 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | CRUN08 | -11.4340 | -5106.0000 | 180700 | 155000 | - | - | - | 13360 | 6500 | 7950 | 3180 | - |
| | | -149.2840 | | - | - | - | - | 580 | - | - | - | 540 | 8 |
| | | | | - | - | - | 360 | - | - | - | - | - | - |
| 350 | CRUN09 | -11.9840 | -4970.0000 | 153300 | 128600 | - | - | - | 8350 | 2580 | 4400 | 4170 | - |
| | | -144.3670 | | - | - | - | - | 360 | - | - | - | 410 | 12 |
| | | | | - | - | - | 280 | - | - | - | - | - | - |
| 350 | CRUN10 | -11.9840 | -4972.0000 | 198900 | 97600 | - | - | - | 4800 | 1180 | 8350 | 7710 | - |
| | | -144.3670 | | - | - | - | - | 380 | - | - | - | 400 | 19 |
| | | | | - | - | - | 140 | - | - | - | - | - | - |
| 350 | CRUN13 | -17.0000 | -594.0000 | 212400 | 108000 | - | - | - | 11600 | 25270 | 3500 | 650 | - |
| | | -146.0000 | | - | - | - | - | 580 | - | - | - | 650 | 2 |
| | | | | - | - | - | 3940 | - | - | - | - | - | - |
| 350 | CRUN14 | -16.4840 | -1270.0000 | 169000 | 112700 | - | - | - | 11400 | 18000 | 6200 | 860 | - |
| | | -145.5500 | | - | - | - | - | 590 | - | - | - | 650 | 2 |
| | | | | - | - | - | 4650 | - | - | - | - | - | - |
| 350 | LAMU81 | -18.5160 | -4319.0000 | 164000 | 180000 | - | - | - | - | 3900 | 3300 | 1400 | - |
| | | -143.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | LAMU82 | -18.5160 | -4319.0000 | 136000 | 150000 | - | - | - | - | 3200 | 3100 | 1200 | - |
| | | -143.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | LAMU83 | -12.8660 | -4662.0000 | 165000 | 203000 | - | - | 18000 | - | 2900 | 5200 | 2800 | - |
| | | -145.5500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | LAMU84 | -14.3000<br>-149.5330 | -1937.0000 | 108000<br>-<br>- | 110000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4200<br>-<br>- | 3200<br>-<br>- | 1100<br>-<br>- | -<br>-<br>- |
| 350 | MERU81 | -13.4670<br>-149.5000 | -4300.0000 | 216000<br>1270<br>- | 120000<br>5800<br>- | 28047<br>-<br>- | 58424<br>1100<br>1300 | 18700<br>430<br>- | 8800<br>-<br>- | 3500<br>-<br>- | 7700<br>-<br>- | 3500<br>-<br>- | 710<br>-<br>- |
| 350 | MERU82 | -18.9170<br>-146.3830 | -4460.0000 | 150000<br>2130<br>- | 161000<br>5000<br>- | 33868<br>-<br>- | 62631<br>1200<br>1200 | 20800<br>310<br>- | 12000<br>-<br>- | 5000<br>-<br>- | 2300<br>-<br>- | 1700<br>-<br>- | 570<br>-<br>- |
| 350 | MERU83 | -17.0000<br>-146.0000 | -1700.0000 | 232000<br>1220<br>- | 126000<br>3400<br>- | 3704<br>-<br>- | 7010<br>1500<br>2800 | 31400<br>500<br>- | 11100<br>-<br>- | 15300<br>-<br>- | 5800<br>-<br>- | 950<br>-<br>- | 620<br>-<br>- |
| 350 | MERU84 | -16.4830<br>-145.5500 | -1270.0000 | 224000<br>1710<br>- | 138000<br>3200<br>- | 6879<br>-<br>- | 13087<br>1600<br>2500 | 29200<br>560<br>- | 11800<br>-<br>- | 11000<br>-<br>- | 5800<br>-<br>- | 1700<br>-<br>- | 670<br>-<br>- |
| 350 | MERU85 | -12.3330<br>-144.2500 | -4840.0000 | 193000<br>-<br>- | 79000<br>1200<br>- | 37043<br>-<br>- | 68240<br>500<br>320 | 12000<br>340<br>- | 5000<br>-<br>- | 1500<br>-<br>- | 8100<br>-<br>- | 6100<br>-<br>- | 300<br>-<br>- |
| 350 | MERU86 | -17.6000<br>-141.9170 | -2132.0000 | 160000<br>-<br>- | 162000<br>3500<br>- | 11113<br>-<br>- | 32250<br>770<br>700 | 20000<br>350<br>- | 10000<br>-<br>- | 4900<br>-<br>- | 3400<br>-<br>- | 900<br>-<br>- | 350<br>-<br>- |
| 350 | MGH 02 | -12.3330<br>-144.2500 | -4840.0000 | 158000<br>-<br>190 | 105000<br>23000<br>- | 49000<br>-<br>- | 140000<br>530<br>350 | 14000<br>260<br>170 | 6000<br>-<br>- | 1800<br>-<br>14 | 9000<br>19000<br>- | 5200<br>370<br>480 | -<br>10<br>- |
| 350 | MGH 03 | -12.3330<br>-144.2500 | -4840.0000 | 240000<br>-<br>120 | 98000<br>15000<br>- | 46000<br>-<br>- | 84000<br>6100<br>400 | 15000<br>420<br>- | 6000<br>-<br>- | 1800<br>-<br>7 | 10000<br>22000<br>- | 7600<br>430<br>520 | 400<br>9<br>- |
| 350 | MGH 04 | -18.9160<br>-146.3330 | -4460.0000 | 164000<br>-<br>170 | 224000<br>7000<br>- | 33000<br>-<br>- | 79000<br>800<br>1000 | 26000<br>270<br>130 | 16000<br>-<br>- | 4900<br>-<br>- | 3400<br>14000<br>- | 2000<br>500<br>700 | 400<br>31<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | MGH 21 | -17.6000 | -2132.0000 | 228000 | 196000 | 16000 | 45000 | 28000 | 14000 | 7000 | 4800 | 1300 | 500 |
| | | -141.9160 | | - | 5000 | - | 1100 | 500 | - | - | 12000 | 800 | 6 |
| | | | | 410 | - | - | 780 | 210 | - | - | - | 1000 | - |
| 350 | MGH 34 | -17.0000 | -1700.0000 | 278000 | 182000 | 12000 | 13000 | 36000 | 15000 | 23000 | 8000 | 1000 | 600 |
| | | -146.0000 | | - | 3000 | - | 1400 | 640 | - | - | 24000 | 1000 | 8 |
| | | | | 450 | - | - | 4000 | 210 | - | - | - | 650 | - |
| 350 | MGH 35 | -16.1660 | -1190.0000 | 95000 | 70000 | 13000 | 7000 | 240000 | 8000 | 4600 | 3000 | 780 | - |
| | | -146.0000 | | - | - | - | 1300 | 110 | - | - | 21000 | 390 | 13 |
| | | | | 600 | - | - | 1300 | 110 | - | - | - | 270 | - |
| 350 | MGH 52 | -16.4830 | -1270.0000 | 297000 | 175000 | 13000 | 20000 | 26000 | 14000 | 14000 | 7700 | 1400 | 400 |
| | | -145.5500 | | - | - | - | 1500 | 420 | - | - | 21000 | 700 | - |
| | | | | 340 | - | - | 3100 | 160 | - | - | - | 800 | - |
| 350 | MGH 53 | -16.4830 | -1270.0000 | 322000 | 175000 | 11000 | 17000 | 30000 | 13000 | 14000 | 7200 | 1200 | 500 |
| | | -145.5500 | | - | - | - | 1700 | 570 | - | - | 14000 | 800 | - |
| | | | | 240 | - | - | 1900 | 120 | - | - | - | 620 | - |
| 350 | MURR18 | -13.4666 | -4300.0000 | 80153 | 299011 | 33339 | 74036 | 26969 | - | - | - | - | - |
| | | -149.5000 | | - | - | - | - | - | - | - | 7479 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | MURR19 | -13.4666 | -4300.0000 | 104199 | 342571 | 16405 | 63846 | 23656 | - | - | - | - | - |
| | | -149.5000 | | - | - | - | - | - | - | - | 6273 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | MURR20 | -13.4666 | -4300.0000 | 13429 | 169808 | 56624 | 207058 | 14232 | - | - | - | - | - |
| | | -149.5000 | | - | - | - | - | - | - | - | 7426 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | SCRIG9 | -16.4830 | -1270.0000 | 303000 | 189000 | - | 15000 | 31000 | - | 16000 | 6400 | 1200 | - |
| | | -145.5500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 350 | SKOR26 | -13.3333 | - - | 237895 | 114771 | 5609 | 5188 | 28659 | 10431 | 15179 | 3064 | - | - |
| | | -146.5000 | | - | - | - | - | - | - | - | 16524 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | W-A 03 | -18.9170 | -4460.0000 | 191000 | 186000 | - | - | 22600 | - | 6000 | 3000 | 1500 | 459 |
| | | -146.5330 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 4 | - | 1166 | - | - | - | - | - | - |
| 350 | W-A 14 | -18.9170 | -4460.0000 | 212000 | 178000 | - | - | 24200 | - | 6500 | 3400 | 1400 | 450 |
| | | -146.5330 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | 1193 | - | - | - | - | - | - |
| 350 | WILL07 | -16.4830 | -1265.0000 | - | 159000 | - | 24000 | - | 11000 | 13000 | 7500 | 1400 | - |
| | | -145.5500 | | - | - | - | - | 720 | - | - | 23000 | 750 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 349 | BARN06 | -15.3830 | - - | 236000 | 98200 | - | - | - | - | 1200 | 12200 | 5000 | - |
| | | -136.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 349 | CRON20 | -15.3840 | -4480.0000 | 214900 | 81400 | - | - | - | 2070 | 700 | 12880 | 7440 | - |
| | | -136.3000 | | - | - | - | - | 400 | - | - | - | 270 | 5 |
| | | | | - | - | - | 160 | - | - | - | - | - | - |
| 349 | CRTH01 | -13.6170 | - - | 238200 | 116500 | - | - | - | - | 1240 | 17980 | 9060 | - |
| | | -135.5170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 349 | CRTH02 | -14.9830 | - - | 229700 | 71100 | - | - | - | - | 2610 | 12660 | 7750 | - |
| | | -136.0330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 349 | LAMD80 | -10.6330 | -3860.0000 | 70000 | 108000 | - | - | 58000 | - | 300 | 2900 | 2200 | - |
| | | -134.8660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 349 | MERD87 | -15.3830 | -4480.0000 | 203000 | 81000 | 45511 | 73849 | 13900 | 2900 | 1200 | 11700 | 10700 | 1200 |
| | | -136.3000 | | 2230 | 14400 | - | 670 | 410 | - | - | - | - | - |
| | | | | - | - | - | 600 | - | - | - | - | - | - |
| 349 | MERD88 | -14.9830 | -4465.0000 | 120000 | 98000 | 73558 | 142089 | 9000 | 6400 | 1200 | 7700 | 5300 | 830 |
| | | -136.0330 | | - | 19500 | - | 400 | 180 | - | - | - | - | - |
| | | | | - | - | - | 380 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 349 | MER089 | -12.8500 | -4318.0000 | 239000 | 70000 | 22755 | 47207 | 16000 | 3000 | 850 | 14600 | 9200 | 460 |
| | | -135.2170 | | - | 4000 | - | 320 | 300 | - | - | - | - | - |
| | | | | - | - | - | 280 | - | - | - | - | - | - |
| 349 | MGH 38 | -12.8500 | -4318.0000 | 310000 | 91000 | 30000 | 61000 | 21000 | 4000 | 1100 | 19000 | 12000 | 600 |
| | | -135.2160 | | - | 5000 | - | 420 | 390 | - | - | 20000 | 410 | 10 |
| | | | | 100 | - | - | 360 | - | - | - | - | 3600 | - |
| 349 | MGH 39 | -14.9830 | -4465.0000 | 152000 | 147000 | 38000 | 135000 | 14000 | 5500 | 1400 | 9000 | 4400 | - |
| | | -136.0330 | | - | 17000 | - | 340 | 300 | - | - | 17000 | 430 | 25 |
| | | | | 70 | - | - | 180 | - | - | - | - | 410 | - |
| 349 | MGH 51 | -15.3830 | -4480.0000 | 196000 | 182000 | 34000 | 90000 | 14000 | 7000 | 1400 | 10000 | 6400 | 600 |
| | | -136.3000 | | - | 7000 | - | 620 | 360 | - | - | 21000 | 530 | 70 |
| | | | | 180 | - | - | 390 | - | - | 70 | - | 900 | - |
| 349 | SKOR27 | -15.3833 | -4480.0000 | 190734 | 128269 | 28259 | 58471 | 20154 | 6534 | 3853 | 8093 | - | - |
| | | -135.3000 | | - | - | - | - | - | - | - | 20203 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 349 | STSH51 | -15.3820 | -4480.0000 | 203000 | 81000 | - | - | - | 2900 | 1200 | 11700 | 10700 | 1200 |
| | | -136.3000 | | - | - | - | 6700 | 410 | - | - | - | - | - |
| | | | | - | - | - | 600 | - | - | - | - | - | - |
| 349 | STSH52 | -14.9860 | -4465.0000 | 120000 | 98000 | - | - | - | 6400 | 1200 | 7700 | 5300 | 830 |
| | | -136.0333 | | - | - | - | 400 | 180 | - | - | - | - | - |
| | | | | - | - | - | 380 | - | - | - | - | - | - |
| 349 | STSH53 | -12.8500 | - - | 239000 | 70000 | - | - | - | 3000 | 850 | 14600 | 9200 | 460 |
| | | -135.2170 | | - | - | - | 320 | 300 | - | - | - | - | - |
| | | | | - | - | - | 280 | - | - | - | - | - | - |
| 348 | BARN05 | -11.2330 | - - | 417000 | 84000 | - | - | - | - | 700 | 15000 | 7200 | - |
| | | -127.9830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 346 | BOJO01 | -10.5800 | -2600.0000 | 19400 | 325000 | 5291 | 82262 | 18582 | - | 3500 | 40000 | 7400 | - |
| | | -109.3600 | | - | 3237 | - | 470 | - | - | - | 9046 | - | 2600 |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | BOJ002 | -10.3800 | -2000.0000 | 24300 | 288000 | 4762 | 64968 | 16438 | - | 120 | 460 | 120 | - |
| | | -109.3600 | | - | 3735 | - | 800 | - | - | - | 5126 | - | 20 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 346 | BOJ003 | -10.3800 | -2000.0000 | 5800 | 311000 | 5291 | 57957 | 19296 | - | 32 | 90 | 60 | - |
| | | -109.3600 | | - | 3154 | - | 480 | - | - | - | 4824 | - | 20 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 346 | BOJ004 | -10.3800 | -2000.0000 | 387200 | 55000 | 2116 | 37859 | 17867 | - | 290 | 4500 | 500 | - |
| | | -109.3600 | | - | 10709 | - | 420 | - | - | - | 35582 | - | 210 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 346 | BOJ005 | -10.3800 | -2000.0000 | 196700 | 178000 | 16405 | 57957 | 37164 | - | 6800 | 3200 | 220 | - |
| | | -109.3600 | | - | 31547 | - | 940 | - | - | - | 2412 | - | 87 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 346 | BOJ006 | -10.3800 | -2000.0000 | 1800 | 77000 | 83613 | 232297 | 87908 | - | 63 | 83 | 140 | - |
| | | -109.3600 | | - | 1328 | - | 145 | - | - | - | 54278 | - | 290 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 346 | LAM079 | -18.6830 | -4122.0000 | 152000 | 83000 | - | - | - | - | 1400 | 10900 | 4300 | - |
| | | -103.6500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 346 | MER090 | -19.2000 | -4150.0000 | 172000 | 116000 | 20109 | 81794 | 10000 | 1700 | 1600 | 15200 | 5900 | - |
| | | -102.4000 | | - | 14000 | - | 410 | 430 | - | - | - | - | - |
| | | | | - | - | - | 520 | - | - | - | - | - | - |
| 346 | MGH 15 | -19.2000 | -4150.0000 | 215000 | 133000 | 25000 | 103000 | 13000 | 2100 | 2000 | 19000 | 7400 | - |
| | | -102.4000 | | - | 17000 | - | 510 | 540 | - | - | 19000 | 520 | 8 |
| | | | | 110 | - | - | 650 | - | - | 7 | - | 500 | - |
| 346 | MGH 16 | -19.2000 | -4150.0000 | 196000 | 112000 | 49000 | 112000 | 16000 | 4900 | 1100 | 12000 | 5800 | - |
| | | -102.4000 | | - | 12000 | - | 610 | 460 | - | - | 22000 | 410 | 14 |
| | | | | 110 | - | - | 310 | - | - | - | - | 580 | - |
| 346 | MGH 17 | -19.2000 | -4150.0000 | 196000 | 105000 | 42000 | 117000 | 21000 | 5200 | 1100 | 13000 | 6400 | 400 |
| | | -102.4000 | | - | 5000 | - | 470 | 390 | - | - | 21000 | 390 | 14 |
| | | | | 59 | - | - | 820 | - | - | 7 | - | 410 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 344 | CRUN24 | -13.5340 | -4080.0000 | 235500 | 108300 | - | - | - | 3300 | 1010 | 18340 | 4550 | - |
| | | -89.0834 | | - | - | - | - | 730 | - | - | - | 470 | 3 |
| | | | | - | - | - | 700 | - | - | - | - | - | - |
| 344 | MERO91 | -11.2330 | -4460.0000 | 251000 | 88800 | 24343 | 57022 | 14000 | 3500 | 1300 | 11100 | 7800 | 950 |
| | | -89.5830 | | 1610 | 7100 | - | 920 | 330 | - | - | - | - | - |
| | | | | - | - | - | 600 | - | - | - | - | - | - |
| 344 | MERO92 | -18.7830 | -4390.0000 | 266000 | 88000 | 26459 | 46739 | 17200 | 3400 | 2400 | 12600 | 7600 | 1400 |
| | | -89.4330 | | 400 | 6500 | - | 770 | 470 | - | - | - | - | - |
| | | | | - | - | - | 820 | - | - | - | - | - | - |
| 344 | MERO93 | -14.4830 | -4970.0000 | 234000 | 77500 | 38102 | 79925 | 17700 | 2100 | 530 | 12500 | 8000 | 1100 |
| | | -81.4000 | | 3770 | 7300 | - | 640 | 580 | - | - | - | - | - |
| | | | | - | - | - | 490 | - | - | - | - | - | - |
| 344 | MGH 08 | -11.2330 | -4460.0000 | 291000 | 119000 | 28000 | 70000 | 18000 | 4100 | 1100 | 15000 | 7200 | - |
| | | -89.5830 | | - | 4000 | - | 580 | 440 | - | - | 18000 | 550 | 8 |
| | | | | 150 | - | - | 320 | - | - | - | - | 670 | - |
| 344 | MGH 09 | -11.2330 | -4460.0000 | 310000 | 105000 | 24000 | 70000 | 19000 | 3200 | 1100 | 12000 | 6700 | 500 |
| | | -89.5830 | | - | 6000 | - | 550 | 410 | - | - | 18000 | 500 | 9 |
| | | | | 95 | - | - | 780 | - | - | 7 | - | 530 | - |
| 344 | MGH 10 | -14.4830 | -4970.0000 | 297000 | 98000 | 29000 | 79000 | 17000 | 2000 | 390 | 13000 | 7500 | - |
| | | -81.4000 | | - | 6000 | - | 360 | 900 | - | - | 14000 | 600 | 10 |
| | | | | 59 | - | - | 360 | - | - | - | - | 360 | - |
| 344 | MGH 11 | -14.4830 | -4970.0000 | 291000 | 84000 | 30000 | 90000 | 14000 | 2400 | 380 | 10000 | 6000 | 400 |
| | | -81.4000 | | - | 7000 | - | 550 | 700 | - | - | 15000 | 520 | 8 |
| | | | | 95 | - | - | 270 | - | - | - | - | 380 | - |
| 344 | MGH 12 | -18.7830 | -4390.0000 | 278000 | 126000 | 31000 | 61000 | 21000 | 2900 | 1800 | 17000 | 9000 | 700 |
| | | -89.4330 | | - | 5000 | - | 650 | 580 | - | - | 19000 | 600 | - |
| | | | | 110 | - | - | 1200 | - | - | 7 | - | 440 | - |
| 344 | W-A 04 | -14.4830 | -4960.0000 | 571000 | 4300 | - | - | 14500 | - | 300 | 1000 | 600 | 172 |
| | | -81.4000 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | 106 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 338 | LAM119 | -13.0660 | -4415.0000 | 140000 | 180000 | - | - | - | - | 3600 | 3200 | 1300 | - |
| | | -24.6830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 330 | CR0103 | -2.1000 | -4041.0000 | 154100 | 178900 | - | - | - | 9080 | 5910 | 3410 | 780 | - |
| | | 57.3820 | | - | - | - | - | 350 | - | - | - | 590 | 20 |
| | | | | - | - | - | 360 | - | - | - | - | - | - |
| 330 | CR0104 | -9.6333 | -2800.0000 | 152500 | 135500 | - | - | - | 14040 | 9980 | 3930 | 730 | - |
| | | 56.4167 | | - | - | - | - | 470 | - | - | - | 740 | 5 |
| | | | | - | - | - | 2550 | - | - | - | - | - | - |
| 330 | CR0105 | -6.6666 | -2900.0000 | 134900 | 156400 | - | - | - | 11380 | 8820 | 3420 | 470 | - |
| | | 51.9000 | | - | - | - | - | 470 | - | - | - | 650 | 13 |
| | | | | - | - | - | 2530 | - | - | - | - | - | - |
| 328 | BEAN03 | -6.0000 | - - | 178533 | 148622 | 10425 | 48235 | 18510 | 4316 | 1808 | 3850 | 1597 | - |
| | | 74.0000 | | 2315 | - | - | - | 133 | - | - | 14836 | 448 | 1 |
| | | | | - | - | - | - | - | 39 | - | - | - | - |
| 326 | CR0120 | -5.3833 | -3558.0000 | 145900 | 159200 | - | - | - | 2940 | 700 | 3570 | 3010 | - |
| | | 97.4833 | | - | - | - | - | 180 | - | - | - | 350 | 3 |
| | | | | - | - | - | 410 | - | - | - | - | - | - |
| 322 | W-A 27 | -5.6000 | -7480.0000 | 2100 | 338000 | - | - | 9300 | - | - | - | - | - |
| | | 131.0170 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 2 | - | - | - | - | - | - | - | - |
| 320 | SAN 24 | -2.9840 | -4980.0000 | 202776 | 69730 | 32122 | 80392 | 19654 | 2158 | 4483 | 8722 | 1038 | - |
| | | 154.2980 | | 1310 | 11539 | - | - | - | - | - | 13569 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 318 | BOJ007 | -7.5000 | -2000.0000 | 55000 | 130000 | 34397 | 120589 | 45383 | 8812 | - | - | - | - |
| | | -180.0800 | | - | 5396 | - | - | - | - | - | 30154 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 318 | BOJ008 | -7.5000 | -2000.0000 | 18600 | 117000 | 61387 | 181351 | 82905 | 7193 | - | - | - | - |
| | | -180.0800 | | - | 3569 | - | - | - | - | - | 42216 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 318 | BOJ009 | -7.5000 | -2000.0000 | 71200 | 57000 | 53978 | 186959 | 72899 | 5994 | - | - | - | - |
| | | -180.0800 | | - | 1328 | - | - | - | - | - | 60309 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 318 | CRUN60 | -4.8500 | -4895.0000 | 126700 | 193000 | - | - | - | 9800 | 4470 | 3790 | 2530 | - |
| | | 174.0167 | | - | - | - | - | 290 | - | - | - | 490 | 5 |
| | | | | - | - | - | 190 | - | - | - | - | - | - |
| 318 | MERU74 | -9.0000 | -5000.0000 | 195000 | 111000 | 41277 | 72914 | 18400 | 4200 | 1300 | 6300 | 7100 | 1200 |
| | | 171.4670 | | - | 5200 | - | 830 | 210 | - | - | - | - | - |
| | | | | - | - | - | 800 | - | - | - | - | - | - |
| 318 | MERU75 | -7.0500 | -5378.0000 | 157000 | 155000 | 40219 | 64501 | 14500 | 10200 | 2600 | 4500 | 4500 | 600 |
| | | 174.2000 | | - | 4200 | - | 1000 | 370 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 318 | SAN 29 | -0.5330 | -5550.0000 | 172136 | 97356 | - | - | - | - | 1258 | 7936 | 7668 | - |
| | | 176.1210 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 317 | CRUN63 | -3.5170 | -5582.0000 | 123900 | 146900 | - | - | - | 6620 | 3340 | 4950 | 3880 | - |
| | | -178.4000 | | - | - | - | - | 350 | - | - | - | 360 | 3 |
| | | | | - | - | - | 240 | - | - | - | - | - | - |
| 317 | CRUN64 | -3.5170 | -5582.0000 | 169500 | 147400 | - | - | - | 6680 | 3680 | 5180 | 4500 | - |
| | | -178.4000 | | - | - | - | - | 320 | - | - | - | 570 | 9 |
| | | | | - | - | - | 170 | - | - | - | - | - | - |
| 317 | CRUN65 | -9.5670 | -4837.0000 | 95600 | 165500 | - | - | - | 16320 | 3650 | 2370 | 2090 | - |
| | | -176.2170 | | - | - | - | - | 140 | - | - | - | 470 | 40 |
| | | | | - | - | - | 730 | - | - | - | - | - | - |
| 317 | CRTH04 | -9.5670 | - - | 72000 | 156400 | - | - | - | - | 2520 | 1840 | 1630 | - |
| | | -176.2170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 317 | CRTH05 | -9.5670 | - - | 112600 | 171500 | - | - | - | - | 2870 | 2490 | 1720 | - |
| | | -176.2170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CO / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 317 | CRTH06 | -5.5670<br>-176.2170 | - - | 119000<br>-<br>- | 168100<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2570<br>-<br>- | 2230<br>-<br>- | 1360<br>-<br>- | -<br>-<br>- |
| 317 | SCRI10 | -9.5670<br>-176.2170 | - - | 111000<br>-<br>- | 166000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2100<br>-<br>- | 1400<br>-<br>- | 800<br>-<br>- | -<br>-<br>- |
| 317 | SCRI11 | -9.5670<br>-176.2170 | - - | 69000<br>-<br>- | 141000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1500<br>-<br>- | 800<br>-<br>- | 500<br>-<br>- | -<br>-<br>- |
| 317 | SKOR02 | -3.2500<br>-172.8666 | -5329.0000 | 243393<br>1878<br>- | 72178<br>-<br>- | 33392<br>-<br>- | 68754<br>-<br>- | 21440<br>-<br>- | 4556<br>-<br>- | 2438<br>-<br>- | 7465<br>23882<br>- | -<br>-<br>- | -<br>-<br>- |
| 316 | CRON66 | -8.8170<br>-168.5500 | -4550.0000 | 147800<br>-<br>- | 111400<br>-<br>- | -<br>-<br>- | -<br>-<br>570 | -<br>160<br>- | 10640<br>-<br>- | 2430<br>-<br>- | 5390<br>-<br>- | 5700<br>320<br>- | -<br>29<br>- |
| 315 | CRON07 | -3.6770<br>-156.6160 | -5115.0000 | 140200<br>-<br>- | 87400<br>-<br>- | -<br>-<br>- | -<br>-<br>570 | -<br>270<br>- | 5540<br>-<br>- | 1780<br>-<br>- | 10030<br>-<br>- | 10530<br>340<br>- | -<br>32<br>- |
| 315 | MURR15 | -7.4166<br>-152.2500 | -5030.0000 | 361815<br>-<br>- | 62091<br>-<br>- | 8467<br>-<br>- | 63098<br>-<br>- | 19006<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>15088<br>- | -<br>-<br>- | -<br>-<br>- |
| 315 | MURR16 | -7.4166<br>-152.2500 | -5030.0000 | 368354<br>1657<br>- | 88374<br>-<br>- | 5080<br>-<br>- | 58191<br>-<br>- | 22334<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>6775<br>- | -<br>-<br>- | -<br>-<br>- |
| 315 | MURR17 | -7.4166<br>-152.2500 | -5030.0000 | 392962<br>699<br>- | 77742<br>-<br>- | 3228<br>-<br>- | 53003<br>-<br>- | 20876<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>12837<br>- | -<br>-<br>- | -<br>-<br>- |
| 315 | SAN 23 | -6.9830<br>-154.0750 | -5040.0000 | 158227<br>1921<br>- | 107707<br>12452<br>- | 39160<br>-<br>- | 78616<br>-<br>- | 14794<br>-<br>- | 3776<br>-<br>- | 2438<br>-<br>- | 5579<br>14353<br>- | 3035<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 314 | MERU62 | -0.7500 | -3340.0000 | 186000 | 173000 | 6879 | 35522 | 19800 | 10100 | 4400 | 3200 | 1100 | 600 |
| | | -147.6000 | | - | 3500 | - | 1400 | 540 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 314 | SAN 21 | -7.1330 | -4076.0000 | 122209 | 182683 | 20797 | 63239 | 23513 | 11870 | 1101 | 707 | 1038 | - |
| | | -140.2200 | | 1266 | 4483 | - | - | - | - | - | 14112 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 313 | MGH 37 | -6.0830 | -4855.0000 | 82000 | 119000 | 40000 | 201000 | 14000 | 1900 | 480 | 4600 | 5600 | - |
| | | -132.8660 | | - | 28000 | - | 340 | 90 | - | - | 22000 | 210 | 40 |
| | | | | 30 | - | - | - | - | - | 7 | - | 440 | - |
| 310 | MERU76 | -8.1330 | -3820.0000 | 230000 | 143000 | 13229 | 46739 | 13900 | 1400 | 5500 | 10000 | 7000 | 1100 |
| | | -104.1830 | | 1130 | 4900 | - | 820 | 320 | - | - | - | - | - |
| | | | | - | - | - | 500 | - | - | - | - | - | - |
| 310 | MGH 20 | -8.1330 | -3820.0000 | 171000 | 238000 | 12000 | 103000 | 11000 | 1100 | 410 | 9000 | 5100 | 400 |
| | | -104.1830 | | - | 10000 | - | 900 | 250 | - | - | 16000 | 430 | - |
| | | | | 70 | - | - | 190 | - | - | 7 | - | 720 | - |
| 309 | MERU77 | -7.8000 | -4100.0000 | 365000 | 36800 | 17992 | 36924 | 17400 | 2000 | 500 | 11000 | 5700 | 1300 |
| | | -94.1000 | | 1010 | 6200 | - | 550 | 380 | - | - | - | - | - |
| | | | | - | - | - | 110 | - | - | - | - | - | - |
| 309 | MGH 18 | -7.8000 | -4100.0000 | 379000 | 55000 | 20000 | 31000 | 19000 | 1500 | 380 | 20000 | 6400 | 400 |
| | | -94.1000 | | - | 5000 | - | 630 | 700 | - | - | 18000 | 520 | 12 |
| | | | | 80 | - | - | 300 | - | - | - | - | 380 | - |
| 309 | MGH 19 | -7.8000 | -4100.0000 | 411000 | 45000 | 15000 | 33000 | 18000 | 1600 | 310 | 16000 | 6500 | 500 |
| | | -94.1000 | | - | 5000 | - | 500 | 540 | - | - | 14000 | 510 | - |
| | | | | 95 | - | - | 260 | - | - | 7 | - | 460 | - |
| 308 | BARN13 | -6.9170 | - - | 468000 | 44100 | - | - | - | - | 200 | 3100 | 1000 | - |
| | | -83.5670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 308 | MERU78 | -9.9330 | -4440.0000 | 391000 | 19800 | 21697 | 44402 | 10700 | 1000 | 300 | 5700 | 3000 | 740 |
| | | -87.5000 | | 410 | 9800 | - | 480 | 410 | - | - | - | - | - |
| | | | | - | - | - | 40 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 308 | MERO79 | -8.5000 | -4330.0000 | 423000 | 8300 | 15346 | 29446 | 12400 | 600 | 60 | 1400 | 1300 | 430 |
| | | -85.6000 | | 260 | 8900 | - | 390 | 450 | - | - | - | - | - |
| | | | | - | - | - | 220 | - | - | - | - | - | - |
| 308 | MERO80 | -6.9170 | -4060.0000 | 96000 | 77100 | 44452 | 205655 | 6900 | 1100 | 270 | 1100 | 1900 | 670 |
| | | -83.5670 | | 200 | 15400 | - | 430 | 220 | - | - | - | - | - |
| | | | | - | - | - | 780 | - | - | - | - | - | - |
| 308 | MGH 05 | -6.9160 | -4060.0000 | 310000 | 57000 | 21000 | 107000 | 10000 | 1100 | 140 | 2500 | 1100 | 400 |
| | | -83.5660 | | - | 12000 | - | 420 | 300 | - | - | 16000 | 370 | 17 |
| | | | | - | - | - | 170 | - | - | - | - | 90 | - |
| 308 | MGH 06 | -9.9330 | -4440.0000 | 364000 | 84000 | 20000 | 51000 | 18000 | 2600 | 700 | 15000 | 4900 | 500 |
| | | -87.5000 | | - | 6000 | - | 550 | 620 | - | - | 16000 | 440 | - |
| | | | | 95 | - | - | 420 | - | - | 7 | - | 440 | - |
| 308 | MGH 07 | -9.9330 | -4440.0000 | 341000 | 91000 | 22000 | 56000 | 18000 | 2900 | 900 | 17000 | 6300 | 500 |
| | | -87.5000 | | - | - | - | 740 | 700 | - | - | 17000 | 540 | - |
| | | | | 95 | - | - | 670 | - | - | - | - | 430 | - |
| 300 | LAM116 | -9.9660 | -1536.0000 | 240000 | 180000 | - | - | - | - | 14400 | 4300 | 500 | - |
| | | -5.3830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 251 | WINT05 | 62.6500 | -130.0000 | 82860 | 229403 | - | - | - | - | 240 | 450 | 110 | 350 |
| | | 19.5170 | | - | - | - | 260 | 370 | - | - | - | 130 | - |
| | | | | - | - | - | 100 | - | - | - | - | - | - |
| 251 | WINT06 | 62.3340 | -91.0000 | 147135 | 205623 | - | - | - | - | 360 | 530 | 190 | 220 |
| | | 19.0920 | | - | - | - | 470 | 470 | - | - | - | 180 | - |
| | | | | - | - | - | 110 | - | - | - | - | - | - |
| 251 | WINT08 | 60.6150 | -60.0000 | 27103 | 295845 | - | - | - | - | 80 | 110 | 50 | 270 |
| | | 19.0520 | | - | - | - | 300 | 40 | - | - | - | 190 | - |
| | | | | - | - | - | 60 | - | - | - | - | - | - |
| 250 | WINT01 | 63.2170 | -108.0000 | 174239 | 126591 | - | - | - | - | 170 | 740 | 170 | 500 |
| | | 22.0670 | | - | - | - | 400 | 600 | - | - | - | 120 | - |
| | | | | - | - | - | 60 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | WINT02 | 64.8590 | -78.0000 | 164172 | 179046 | - | - | - | - | 150 | 630 | 140 | 350 |
| | | 22.7830 | | - | - | - | 430 | 580 | - | - | - | 140 | - |
| | | | | - | - | - | 30 | - | - | - | - | - | - |
| 250 | WINT03 | 64.8500 | -78.0000 | 1935 | 174849 | - | - | - | - | 50 | 70 | 30 | 200 |
| | | 23.1500 | | - | - | - | 220 | 10 | - | - | - | 110 | - |
| | | | | - | - | - | 30 | - | - | - | - | - | - |
| 250 | WINT04 | 64.8500 | -78.0000 | 106092 | 218212 | - | - | - | - | 130 | 290 | 70 | 250 |
| | | 23.1500 | | - | - | - | 410 | 390 | - | - | - | 120 | - |
| | | | | - | - | - | 20 | - | - | - | - | - | - |
| 250 | WINT07 | 61.5670 | -110.0000 | 132422 | 225206 | - | - | - | - | 200 | 250 | 90 | 350 |
| | | 20.0000 | | - | - | - | 470 | 470 | - | - | - | 120 | - |
| | | | | - | - | - | 40 | - | - | - | - | - | - |
| 250 | WINT10 | 60.4250 | -18.0000 | 100671 | 372080 | - | - | - | - | 100 | 210 | 30 | 210 |
| | | 27.3920 | | - | - | - | 600 | 220 | - | - | - | 190 | - |
| | | | | - | - | - | 30 | - | - | - | - | - | - |
| 249 | GORS 1 | 65.3000 | - - | 191556 | 60148 | 35615 | 121243 | 2001 | 3417 | - | - | - | - |
| | | 38.7850 | | 5110 | - | - | - | - | - | - | 361 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 249 | GORS 2 | 65.3000 | - - | 204340 | 65743 | 18204 | 85393 | 10720 | 3357 | - | - | - | - |
| | | 38.7850 | | 4324 | - | - | - | - | - | - | 5669 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 249 | GORS 3 | 65.3000 | - - | 189130 | 51545 | 19739 | 107174 | 16080 | 4795 | - | - | - | - |
| | | 38.7850 | | 4193 | - | - | - | - | - | - | 11700 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 249 | GORS 4 | 65.4330 | - - | 39414 | 141488 | 57894 | 121056 | 10863 | - | - | - | - | - |
| | | 38.6160 | | 5547 | - | - | - | - | - | - | 14474 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 235 | SUMM09 | 63.0666 | -3583.0000 | 88000 | 124000 | 19600 | 156000 | 17900 | 4600 | 1400 | 2700 | 1300 | 580 |
| | | 178.4833 | | - | - | - | 1100 | 50 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 214 | WINTC9 | 59.6000 | -104.0000 | 120031 | 157364 | - | - | - | - | 320 | 320 | 90 | 600 |
| | | 23.0000 | | - | - | - | 200 | 410 | - | - | - | 150 | - |
| | | | | - | - | - | 140 | - | - | - | - | - | - |
| 200 | SUMMD8 | 57.7166 | -5228.0000 | 107000 | 192000 | 13700 | 121000 | 14400 | 5900 | 1700 | 1900 | 1000 | 470 |
| | | 169.2000 | | - | - | - | 1100 | 110 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 196 | DICH10 | 52.7830 | -1460.0000 | 185200 | 150700 | - | - | - | - | 2500 | 3000 | - | - |
| | | -150.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 196 | DICH11 | 52.7830 | -1460.0000 | 199500 | 147800 | - | - | - | - | 3100 | 3100 | - | - |
| | | -150.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 196 | DICH12 | 52.7830 | -1460.0000 | 199600 | 145400 | - | - | - | - | 3700 | 3100 | - | - |
| | | -150.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 196 | GOLD13 | 52.7840 | -1500.0000 | 185000 | 151000 | 2700 | - | - | 7700 | 2500 | 3000 | 2200 | - |
| | | -150.0830 | | 6700 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 60 | - |
| 196 | GOLD14 | 52.7840 | -1500.0000 | 200000 | 148000 | 2700 | - | - | 7700 | 3100 | 3100 | 1700 | - |
| | | -150.0830 | | 5000 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 60 | - |
| 196 | GOLD15 | 52.7840 | -1500.0000 | 197000 | 145000 | 2700 | - | - | 7700 | 3700 | 3400 | 2500 | - |
| | | -150.0830 | | 5100 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 60 | - |
| 195 | DICH04 | 56.1660 | -1460.0000 | 209000 | 134000 | - | - | - | - | 4000 | 3700 | - | - |
| | | -145.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 195 | DICH22 | 56.1660 | -1460.0000 | 193800 | 130300 | - | - | - | - | 2300 | 5800 | - | - |
| | | -145.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 195 | DICH23 | 56.1660 | -1460.0000 | 225300 | 128600 | - | - | - | - | 1900 | 4200 | - | - |
| | | -145.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 195 | DICH24 | 56.1660 | -1460.0000 | 186900 | 132900 | - | - | - | - | 3500 | 5300 | - | - |
| | | -145.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 195 | GOLD16 | 56.1670 | -1800.0000 | 194000 | 130000 | 6700 | - | - | 5900 | 2300 | 5800 | 4600 | - |
| | | -145.2500 | | 3100 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 18 | - |
| 195 | GOLD17 | 56.1670 | -1800.0000 | 225000 | 120000 | 6700 | - | - | 5900 | 1900 | 4200 | 4700 | - |
| | | -145.2500 | | 3700 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 18 | - |
| 195 | GOLD18 | 56.1670 | -1800.0000 | 187000 | 133000 | 6700 | - | - | 5900 | 3500 | 3500 | 2700 | - |
| | | -145.2500 | | 9300 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 18 | - |
| 193 | GRMU01 | 50.2000 | -360.0000 | 327416 | 50194 | 17040 | 64127 | 13221 | 1139 | 157 | 235 | - | - |
| | | -123.7000 | | 3450 | 9796 | - | - | 466 | - | - | 18213 | - | - |
| | | | | - | - | 79 | - | - | - | - | - | - | - |
| 193 | GRMU02 | 50.2000 | -360.0000 | - | - | - | - | - | - | - | - | - | - |
| | | -123.7000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 170 | SAN 32 | 41.9840 | -4200.0000 | 241385 | 99454 | 26301 | 47020 | 23870 | 3896 | 1966 | 9115 | 1757 | - |
| | | 102.0170 | | - | 8218 | - | - | - | - | - | 20203 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 170 | SAN 33 | 41.9840 | -4200.0000 | 242017 | 90921 | 42177 | 50993 | 17510 | 3656 | 2123 | 12337 | 2236 | - |
| | | 102.0170 | | - | 10045 | - | - | - | - | - | 23520 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 163 | CRON94 | 40.4840 | -4250.0000 | 102400 | 112700 | - | - | - | 6420 | 710 | 3010 | 1680 | - |
| | | 172.5500 | | - | - | - | - | 93 | - | - | - | 280 | 25 |
| | | | | - | - | - | 73 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 163 | CRON95 | 40.5000 | -5460.0000 | 69700 | 127700 | - | - | - | 6780 | 1480 | 2210 | 1180 | - |
| | | 170.8000 | | - | - | - | - | 110 | - | - | - | 450 | 74 |
| | | | | - | - | - | 130 | - | - | - | - | - | - |
| 163 | MERU01 | 40.4833 | -4250.0000 | 78000 | 124000 | 34927 | 185090 | 9100 | 2800 | 4800 | 2000 | 2100 | 560 |
| | | 172.5500 | | - | - | - | 1100 | - | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 163 | SAN 01 | 44.1570 | -5110.0000 | 93987 | 135473 | - | - | - | - | 943 | 1414 | 479 | - |
| | | 170.1170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 163 | SKOR16 | 44.4666 | -1258.0000 | 338698 | 77633 | 5503 | 28464 | 18939 | 6954 | 4089 | 4164 | - | - |
| | | 170.2555 | | - | 12120 | - | - | - | - | - | 16524 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 163 | STSH55 | 40.4840 | -4520.0000 | 78000 | 124000 | - | - | - | 2800 | 4800 | 2000 | 2100 | 560 |
| | | 172.5500 | | - | - | - | 110 | - | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 162 | SKOR18 | 40.4016 | -6065.0000 | 120060 | 107008 | 43447 | 144286 | 18653 | 3956 | 1258 | 2200 | - | - |
| | | -175.6966 | | - | 9630 | - | - | - | - | - | 11217 | - | - |
| | | | | - | - | - | 464 | - | - | - | - | - | - |
| 160 | DICH03 | 40.2330 | -5100.0000 | 132000 | 116000 | - | - | - | - | 2500 | 4000 | - | - |
| | | -155.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 160 | DICH16 | 40.2330 | -5100.0000 | 134800 | 120000 | - | - | - | - | 1500 | 2100 | - | - |
| | | -155.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 160 | DICH17 | 40.2330 | -5100.0000 | 133400 | 122300 | - | - | - | - | 1200 | 1600 | - | - |
| | | -155.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 160 | DICH18 | 40.2330 | -5100.0000 | 107800 | 91600 | - | - | - | - | 700 | 2400 | - | - |
| | | -155.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160 | GOLD01 | 40.2330 | -5029.0000 | 135000 | 120000 | 9400 | - | - | 8900 | 1500 | 2100 | 4900 | - |
| | | -155.8670 | | 3800 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 130 | - |
| 160 | GOLD02 | 40.2330 | -5029.0000 | 133000 | 122000 | 9400 | - | - | 8900 | 1200 | 1600 | 4900 | - |
| | | -155.8670 | | 2200 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 130 | - |
| 160 | GOLD03 | 40.2330 | -5029.0000 | 108000 | 91600 | 9400 | - | - | 8900 | 700 | 2400 | 5300 | - |
| | | -155.8670 | | 5300 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 130 | - |
| 160 | MERD02 | 40.2300 | -5500.0000 | 119000 | 69000 | 63503 | 139752 | 10000 | 6300 | 2300 | 4500 | 4700 | 570 |
| | | -155.1000 | | - | 17100 | - | 770 | 380 | - | - | - | - | - |
| | | | | - | - | - | 2000 | - | - | - | - | - | - |
| 160 | SKOR10 | 41.1250 | -5460.0000 | 132422 | 89173 | 40377 | 147651 | 19296 | 4436 | 3145 | 4321 | - | - |
| | | -159.8983 | | 1354 | - | - | - | - | - | - | 14655 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 160 | W-A 05 | 40.2330 | -4940.0000 | 143000 | 120000 | - | - | 14600 | - | 3500 | 2800 | 2900 | 299 |
| | | -155.0830 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 3 | - | 1026 | - | - | - | - | - | - |
| 159 | MERD03 | 43.9600 | -4350.0000 | 177000 | 94000 | 37573 | 117784 | 17300 | 5500 | 2300 | 7200 | 4200 | 910 |
| | | -140.6330 | | - | 5400 | - | 910 | 360 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 158 | LAMO55 | 42.0330 | -4116.0000 | 190000 | 230000 | - | - | 16000 | - | 2400 | 2400 | 800 | - |
| | | -139.9500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 158 | MERD04 | 40.3300 | -4550.0000 | 165000 | 95000 | 42865 | 133208 | 14300 | 4900 | 2200 | 5800 | 3600 | 760 |
| | | -135.7830 | | - | 7300 | - | 700 | 260 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 158 | SKOR11 | 40.3333 | -4475.0000 | 125839 | 72877 | 46304 | 139705 | 12936 | 4196 | 1179 | 5893 | - | - |
| | | -135.7650 | | 1135 | - | - | - | - | - | - | 17429 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 158 | SKOR12 | 40.3333 | -4475.0000 | 168741 | 104840 | 30058 | 86889 | 16009 | 6234 | 2438 | 5853 | - | - |
| | | -135.7650 | | 1965 | - | - | - | - | - | - | 13388 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 158 | SKOR13 | 40.3333 | -4475.0000 | 152246 | 125402 | 26301 | 103061 | 18582 | 6234 | 3539 | 3693 | - | - |
| | | -135.7650 | | 1834 | - | - | - | - | - | - | 14775 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 157 | CRUN93 | 40.2500 | -4500.0000 | 117600 | 101200 | - | - | - | 3930 | 960 | 4410 | 3690 | - |
| | | -128.4500 | | - | - | - | - | 260 | - | - | - | 390 | 72 |
| | | | | - | - | - | 200 | - | - | - | - | - | - |
| 157 | HEWE05 | 40.3830 | -1260.0000 | 100000 | 100000 | - | - | 30000 | - | 3000 | 3000 | 700 | - |
| | | -127.9830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 157 | MERU05 | 40.2500 | -5400.0000 | 188000 | 84000 | 35985 | 127132 | 10900 | 1800 | 700 | 5600 | 3700 | 1300 |
| | | -128.4500 | | - | - | - | 800 | 300 | - | - | - | - | - |
| | | | | - | - | - | 900 | - | - | - | - | - | - |
| 157 | MERU06 | 40.3800 | -1260.0000 | 235000 | 88000 | 24872 | 71044 | 12100 | 2100 | 4300 | 6100 | 400 | 900 |
| | | -127.9830 | | - | - | - | 800 | 280 | - | - | - | - | - |
| | | | | - | - | - | 1100 | - | - | - | - | - | - |
| 157 | MGH 23 | 42.7500 | -2520.0000 | 152000 | 217000 | 18000 | 135000 | 18000 | 4100 | 1700 | 1600 | 610 | 400 |
| | | -128.0500 | | - | 5000 | - | 1300 | 500 | - | - | 10000 | 460 | 14 |
| | | | | 170 | - | - | 1000 | 110 | - | - | - | 560 | - |
| 157 | MGH 24 | 42.7500 | -2520.0000 | 175000 | 217000 | 20000 | 130000 | 21000 | 5700 | 1600 | 1500 | 480 | 400 |
| | | -128.0500 | | - | 3000 | - | 1200 | 590 | - | - | 11000 | 600 | 18 |
| | | | | 340 | - | - | 710 | 260 | - | - | - | 120 | - |
| 157 | SCRI08 | 42.7500 | -2520.0000 | 128000 | 157000 | - | 94000 | 15000 | - | 1200 | 1100 | 400 | - |
| | | -128.0500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 157 | W-A 15 | 40.2500 | -4500.0000 | 203000 | 87500 | - | - | 12900 | - | 1200 | 5500 | 4500 | 591 |
| | | -128.4500 | | - | - | - | - | - | - | 6 | - | - | - |
| | | | | - | 1 | - | 453 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157 | W-A 16 | 40.2500 | -4500.0000 | 210000 | 141000 | - | - | 23800 | - | 5000 | 4200 | 200 | 386 |
| | | -128.4500 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 3 | - | 1449 | - | - | - | - | - | - |
| 157 | W-A 17 | 42.7500 | -2520.0000 | 228000 | 196000 | - | - | 21600 | - | 4500 | 3200 | 300 | 387 |
| | | -128.0500 | | - | - | - | - | - | - | 5 | - | - | - |
| | | | | - | 2 | - | 1428 | - | - | - | - | - | - |
| 147 | LAM074 | 42.9500 | -3243.0000 | 120000 | 165000 | - | - | - | - | 2900 | 2700 | 600 | - |
| | | -25.0660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 145 | LAM073 | 45.0830 | -2481.0000 | 192000 | 96000 | - | - | - | - | 2100 | 5700 | 2000 | - |
| | | -7.9500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 131 | MER007 | 33.8500 | -110.0000 | 126000 | 7700 | 3175 | 2336 | 288000 | 20 | 60 | 420 | 70 | 70 |
| | | 138.6830 | | - | 6000 | - | 3500 | 70 | - | - | - | - | - |
| | | | | - | - | - | 150 | - | - | - | - | - | - |
| 131 | NIIN01 | 34.3840 | -260.0000 | 368650 | 201986 | - | 8413 | 46812 | - | - | - | - | - |
| | | 139.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 130 | MER009 | 36.4830 | -5720.0000 | 19000 | 118000 | 62974 | 264080 | 13100 | 1800 | 10 | 1200 | 700 | 410 |
| | | 146.7200 | | - | - | - | 570 | 570 | - | - | - | - | - |
| | | | | - | - | - | 800 | - | - | - | - | - | - |
| 130 | MER010 | 38.0000 | -3500.0000 | 198000 | 139000 | 6191 | 32717 | 21200 | 5000 | 2900 | 3800 | 1000 | 570 |
| | | 146.0000 | | - | - | - | 1300 | 480 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 130 | SAN 02 | 32.8600 | -5920.0000 | 96840 | 169394 | - | - | - | - | 943 | 2121 | 2875 | - |
| | | 149.7250 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 128 | LAM053 | 37.0500 | -4978.0000 | 125000 | 174000 | - | - | 14000 | - | 900 | 2600 | 1400 | - |
| | | 166.5660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 128 | LAM054 | 34.7830 | -4226.0000 | 56000 | 159000 | - | - | 11000 | - | 1000 | 1200 | 1600 | - |
| | | 160.6660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 126 | MGH 27 | 36.5000 | -4195.0000 | 145000 | 147000 | 27000 | 131000 | 14000 | 7000 | 3900 | 5000 | 5000 | - |
| | | -173.2660 | | - | 7000 | - | 800 | 100 | - | - | 14000 | 290 | 11 |
| | | | | 55 | - | - | 2300 | - | - | 7 | - | 1000 | - |
| 126 | MURR07 | 37.6833 | -5300.0000 | 158197 | 151489 | 24713 | 136013 | 15285 | - | - | - | - | - |
| | | -177.0666 | | - | - | - | - | - | - | - | 5100 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 126 | SKOR06 | 34.9964 | -5971.0000 | 130408 | 108197 | 36250 | 129563 | 15508 | 4076 | 2202 | 2907 | - | - |
| | | -172.9417 | | 1528 | - | - | - | - | - | - | 14896 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 125 | BUCH02 | 37.8666 | -5000.0000 | 154246 | 140998 | 20268 | - | - | - | - | - | - | - |
| | | -160.2840 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 125 | MURR08 | 37.8666 | -5020.0000 | 200383 | 143237 | 30958 | 129656 | 18847 | - | - | - | - | - |
| | | -160.2833 | | - | - | - | - | - | - | - | 6865 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 125 | MURR09 | 37.8666 | -5020.0000 | 178376 | 130997 | 31222 | 99415 | - | - | - | - | - | - |
| | | -160.2833 | | - | - | - | - | - | - | - | 7750 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 125 | MURR10 | 37.8666 | -5020.0000 | 179149 | 124633 | 34927 | 129095 | 18977 | - | - | - | - | - |
| | | -160.2833 | | - | - | - | - | - | - | - | 6544 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 125 | MURR11 | 37.6666 | -5020.0000 | 165931 | 202736 | 54031 | 74924 | - | - | - | - | - | - |
| | | -160.2833 | | - | 3320 | - | - | - | - | - | 1085 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 125 | SKOR07 | 35.0266 | -5902.0000 | 157745 | 121275 | 33551 | 87543 | 15651 | 8273 | 3303 | 4086 | - | - |
| | | -166.4616 | | 2140 | - | - | - | - | - | - | 13509 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125 | SKOR08 | 35.0266 | -5902.0000 | 186940 | 105679 | 27095 | 85066 | 13793 | 5635 | 3145 | 6364 | - | - |
| | | -166.4616 | | 2096 | - | - | - | - | - | - | 15499 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 125 | SKOR09 | 35.0266 | -5902.0000 | 159448 | 111484 | 31593 | 106941 | 16438 | 5035 | 3617 | 6129 | - | - |
| | | -166.4616 | | 1572 | - | - | - | - | - | - | 17248 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 124 | LAMO52 | 31.5130 | -5720.0000 | 192000 | 122000 | - | - | 13000 | - | 4000 | 5200 | 4400 | - |
| | | -159.7000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 124 | MERO11 | 30.3700 | -5400.0000 | 139000 | 104000 | 35456 | 145828 | 11700 | 3900 | 3100 | 6800 | 4300 | 600 |
| | | -154.9300 | | - | - | - | 800 | 180 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 124 | MORR12 | 38.1500 | -5720.0000 | 184282 | 156519 | 34397 | 126805 | 17549 | - | - | - | - | - |
| | | -156.4166 | | 899 | - | - | - | - | - | - | 1929 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 124 | MORR13 | 30.3666 | -5400.0000 | 278216 | 138800 | 19580 | 83197 | 14153 | - | - | - | - | - |
| | | -154.9333 | | - | - | - | - | - | - | - | 13088 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 123 | LAMO51 | 39.9330 | -4748.0000 | 155000 | 143000 | - | - | 12000 | - | 2600 | 5000 | 2800 | - |
| | | -140.0330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 123 | MERO12 | 34.1300 | -5300.0000 | 150000 | 116000 | 37043 | 113110 | 12400 | 4800 | 3400 | 5900 | 3400 | 480 |
| | | -145.9500 | | - | - | - | 930 | 270 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 123 | MERO13 | 34.0700 | -5390.0000 | 15700 | 11800 | 35456 | 113110 | 11400 | 3900 | 3400 | 6700 | 4500 | 600 |
| | | -145.9300 | | - | - | - | 800 | 300 | - | - | - | - | - |
| | | | | - | - | - | 1700 | - | - | - | - | - | - |
| 122 | DICH05 | 32.9330 | -715.0000 | 256000 | 114000 | - | - | - | - | 9000 | 4000 | - | - |
| | | -132.5000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 122 | LAM049 | 39.6330 | -4790.0000 | 170000 | 161000 | - | - | 900 | - | 3000 | 4600 | 2400 | - |
| | | -135.1000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 122 | LAM050 | 31.6500 | -4991.0000 | 173000 | 185000 | - | - | 12000 | - | 3100 | 6200 | 3800 | - |
| | | -139.9660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 122 | MEK014 | 35.1200 | -5035.0000 | 104000 | 130000 | 49215 | 133676 | 11400 | 6500 | 2900 | 3300 | 2900 | 620 |
| | | -137.6800 | | - | 11600 | - | 760 | 170 | - | - | - | - | - |
| | | | | - | - | - | 1900 | - | - | - | - | - | - |
| 122 | SAN 09 | 35.1130 | -5064.0000 | 129782 | 111973 | 42706 | 125637 | 18296 | 5515 | 1179 | 4086 | - | - |
| | | -137.8830 | | - | 13615 | - | - | - | - | - | 15680 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 122 | SAN 10 | 35.1130 | -5064.0000 | 154401 | 149671 | 30217 | 80159 | 20368 | 7373 | 1337 | 3457 | 3115 | - |
| | | -137.8830 | | - | 9630 | - | - | - | - | - | 7960 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 122 | SAN 11 | 35.1130 | -5064.0000 | 81198 | 65254 | 57894 | 179201 | 12864 | 3477 | 393 | 3457 | 878 | - |
| | | -137.8830 | | - | 29970 | - | - | - | - | - | 10554 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 120 | ARG001 | 32.5000 | -2000.0000 | 774 | - | - | - | 1429 | 119 | 100 | 1000 | 399 | - |
| | | -118.0500 | | - | - | - | 50 | - | - | - | 3015 | 50 | 100 |
| | | | | - | 50 | - | - | - | - | - | - | - | - |
| 120 | CRUN88 | 30.2000 | -1300.0000 | 142300 | 151500 | - | - | - | 5850 | 5570 | 2040 | 280 | - |
| | | -117.6333 | | - | - | - | - | 290 | - | - | - | 540 | 49 |
| | | | | - | - | - | 1060 | - | - | - | - | - | - |
| 120 | CRUN90 | 31.3833 | -1040.0000 | 194000 | 129200 | - | - | - | 5290 | 5810 | 4470 | 620 | - |
| | | -118.0500 | | - | - | - | - | 420 | - | - | - | 930 | 46 |
| | | | | - | - | - | 1160 | - | - | - | - | - | - |
| 120 | CRUN91 | 31.0833 | -1650.0000 | 145900 | 92200 | - | - | - | 2360 | 2020 | 4810 | 1300 | - |
| | | -118.6170 | | - | - | - | - | 320 | - | - | - | 520 | 120 |
| | | | | - | - | - | 370 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120 | CRON92 | 30.3000 | -1060.0000 | 144000 | 118500 | - | - | - | 4570 | 5870 | 5880 | 390 | - |
| | | -117.6660 | | - | - | - | - | 340 | - | - | - | 670 | 86 |
| | | | | - | - | - | 310 | - | - | - | - | - | - |
| 120 | MERO15 | 31.3500 | -915.0000 | 117000 | 103000 | 59799 | 124328 | 7100 | 3400 | 1900 | 2400 | 600 | 480 |
| | | -119.0500 | | - | 11400 | - | 550 | 360 | - | - | - | - | - |
| | | | | - | - | - | 910 | - | - | - | - | - | - |
| 120 | MERO16 | 32.7500 | -1588.0000 | 145000 | 161000 | 22755 | 98153 | 16200 | 4000 | 1400 | 1900 | 520 | 480 |
| | | -118.2200 | | - | 3400 | - | 1500 | 600 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |
| 120 | MERO17 | 31.3800 | -1040.0000 | 137000 | 145000 | 26989 | 98153 | 16500 | 6300 | 5300 | 2300 | 520 | 400 |
| | | -118.0500 | | - | 4200 | - | 1500 | 480 | - | - | - | - | - |
| | | | | - | - | - | 2100 | - | - | - | - | - | - |
| 120 | MERO18 | 31.5200 | -2110.0000 | 134000 | 114000 | 39160 | 125263 | 9400 | 2500 | 830 | 3400 | 610 | 670 |
| | | -117.6300 | | - | 9200 | - | 740 | 360 | - | - | - | - | - |
| | | | | - | - | - | 750 | - | - | - | - | - | - |
| 120 | MERO19 | 30.2000 | -1300.0000 | 107000 | 147000 | 34927 | 108904 | 14800 | 5300 | 4000 | 1800 | 350 | 360 |
| | | -117.6300 | | - | 5500 | - | 1300 | 410 | - | - | - | - | - |
| | | | | - | - | - | 2400 | - | - | - | - | - | - |
| 120 | SCRIO6 | 30.3000 | -1060.0000 | 78000 | 123000 | - | 156000 | 10000 | - | 2300 | 2400 | 800 | - |
| | | -117.6660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 120 | SCRIO7 | 31.0830 | -1650.0000 | 118000 | 164000 | - | 120000 | 16000 | - | 2600 | 1300 | 400 | - |
| | | -118.6160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | MER142 | 30.0000 | -2645.0000 | 148000 | 200000 | 28047 | 35054 | 19400 | 6800 | 4000 | 2700 | 1000 | 670 |
| | | -76.0000 | | 510 | 3000 | - | 1300 | 4300 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 116 | MER143 | 30.8500 | -732.0000 | 157000 | 155000 | 25930 | 13554 | 73200 | 3400 | 4100 | 5900 | 1400 | 550 |
| | | -78.4500 | | 1470 | 3100 | - | 1900 | 550 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 116 | MER144 | 30.8830 | -815.0000 | 118000 | 143000 | 25401 | 13554 | 99000 | 2000 | 3900 | 4200 | 600 | 490 |
| | | -78.7830 | | - | - | - | 1300 | 350 | - | - | - | - | - |
| | | | | - | - | - | 2100 | - | - | - | - | - | - |
| 116 | MER145 | 30.9500 | -810.0000 | 111000 | 141000 | 14288 | 10750 | 111000 | 1900 | 3800 | 3300 | 300 | 390 |
| | | -78.3500 | | - | - | - | 1800 | 360 | - | - | - | - | - |
| | | | | - | - | - | 1900 | - | - | - | - | - | - |
| 116 | MER146 | 30.9830 | -879.0000 | 136000 | 104000 | 23813 | 22902 | 89000 | 2100 | 4800 | 5300 | 1000 | 580 |
| | | -78.2330 | | - | - | - | 1700 | 400 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 116 | W-A 10 | 30.9670 | -810.0000 | 215000 | 104000 | - | - | 116000 | - | 4500 | 7700 | 900 | 502 |
| | | -78.5000 | | - | - | - | - | - | - | 6 | - | - | - |
| | | | | - | 2 | - | 1447 | - | - | - | - | - | - |
| 116 | W-A 11 | 30.9670 | -810.0000 | 211000 | 160000 | - | - | 82400 | - | 4600 | 5800 | 600 | 493 |
| | | -78.5000 | | - | - | - | - | - | - | 5 | - | - | - |
| | | | | - | 1 | - | 1871 | - | - | - | - | - | - |
| 116 | W-A 12 | 30.9670 | -810.0000 | 185000 | 151000 | - | - | 106000 | - | 4400 | 5100 | 500 | 392 |
| | | -78.5000 | | - | - | - | - | - | - | 8 | - | - | - |
| | | | | - | 6 | - | 1750 | - | - | - | - | - | - |
| 116 | WHOI01 | 31.9083 | -775.0000 | 115637 | 118198 | 10583 | 21500 | 129360 | 3596 | - | 3378 | 0 | - |
| | | -77.4133 | | 31886 | 2822 | - | 1437 | - | - | - | 16886 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI02 | 31.0000 | -930.0000 | 104263 | 136382 | 26459 | 49544 | 82905 | 1318 | - | 5264 | 2556 | - |
| | | -77.5250 | | 7862 | 3652 | - | 676 | - | - | - | 30154 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI03 | 31.0000 | -876.0000 | 104263 | 127990 | 28576 | 59359 | 83619 | 1019 | - | 6679 | 2476 | - |
| | | -77.5250 | | 2751 | 5396 | - | 845 | - | - | - | 24123 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI04 | 30.5166 | -849.0000 | 104895 | 130088 | 22755 | 13554 | 160807 | 2098 | - | 5107 | 2076 | - |
| | | -79.0216 | | 1354 | 4317 | - | 845 | - | - | - | 23520 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 116 | WHOI05 | 31.0700 | -849.0000 | 125116 | 109805 | 16934 | 17293 | 105775 | 3896 | - | 4243 | 1677 | - |
| | | -78.1446 | | 1616 | 4317 | - | 1691 | - | - | - | 17489 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI06 | 30.9083 | -843.0000 | 140913 | 95118 | 18521 | 21032 | 123643 | 3596 | - | 3221 | 399 | - |
| | | -78.7166 | | 3494 | 2988 | - | 1437 | - | - | - | 18696 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI07 | 31.0030 | -782.0000 | 111214 | 66442 | 3704 | 2804 | 210836 | 2637 | - | 2986 | 1198 | - |
| | | -79.0000 | | 38438 | 2407 | - | 3382 | - | - | - | 10855 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI08 | 31.3833 | -512.0000 | 69508 | 16086 | 7408 | 12619 | 287309 | 899 | - | 2200 | 958 | - |
| | | -78.6666 | | 69887 | 2407 | - | 1691 | - | - | - | 15077 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI09 | 31.2133 | -648.0000 | 122588 | 67841 | 5821 | 5141 | 270871 | 2637 | - | 3064 | 1038 | - |
| | | -78.4833 | | 24023 | 2324 | - | 2536 | - | - | - | 13268 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI10 | 31.2133 | -648.0000 | 120692 | 125192 | 18521 | 6076 | 99343 | 3537 | - | 3064 | 1118 | - |
| | | -78.4833 | | 1004 | 1743 | - | 845 | - | - | - | 19299 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI11 | 31.4833 | -649.0000 | 115005 | 80430 | 8996 | 4673 | 168669 | 2877 | - | 2986 | 1118 | - |
| | | -78.0000 | | 29265 | 1909 | - | 1691 | - | - | - | 13268 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI12 | 31.4833 | -649.0000 | 87834 | 75535 | 6879 | 5141 | 228703 | 2997 | - | 2121 | 1118 | - |
| | | -78.0000 | | 20529 | 1411 | - | 2705 | - | - | - | 16283 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI13 | 31.6466 | -610.0000 | 103631 | 103511 | 17992 | 15424 | 138651 | 3537 | - | 3693 | 1517 | - |
| | | -77.7466 | | 2096 | 3320 | - | 1183 | - | - | - | 22314 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WHOI14 | 31.1333 | -649.0000 | 68877 | 53154 | 1058 | 11217 | 253003 | 599 | - | 1257 | 559 | - |
| | | -79.1250 | | 60278 | 2075 | - | 2029 | - | - | - | 16283 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 116 | WHU115 | 31.6800 | -543.0000 | 131435 | 51056 | 9525 | 6076 | 220127 | 599 | - | 4400 | 1757 | - |
| | | -78.8000 | | 56347 | 3569 | - | 2198 | - | - | - | 20505 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 116 | WILL05 | 30.8500 | -732.0000 | - | 187000 | - | 20000 | - | 4900 | 5500 | 5200 | 690 | - |
| | | -78.4500 | | - | - | - | - | 680 | - | - | 37000 | 840 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 115 | AULP01 | 39.0000 | -2940.0000 | 137000 | 194000 | 20000 | 69000 | 13000 | 6000 | 1500 | 1200 | 900 | 600 |
| | | -61.0000 | | - | 7500 | - | 910 | 240 | - | - | 7700 | 1000 | - |
| | | | | 270 | - | - | 600 | - | - | - | - | 790 | - |
| 115 | AULP02 | 39.0000 | -2940.0000 | 140000 | 198000 | 14000 | 21000 | 22000 | 11000 | 3100 | 1400 | 880 | 900 |
| | | -61.0000 | | - | 4100 | - | 1800 | 390 | - | - | 11000 | 1300 | - |
| | | | | 600 | - | - | 610 | - | - | - | - | 1100 | - |
| 115 | AULP03 | 39.0000 | -2940.0000 | 161000 | 130000 | 3100 | 8800 | 76000 | 5200 | 2000 | 1300 | 650 | 900 |
| | | -61.0000 | | - | 3200 | - | 2400 | 360 | - | - | 7000 | 1200 | - |
| | | | | 410 | - | - | 770 | - | - | - | - | 690 | - |
| 115 | AULP04 | 39.0000 | -2940.0000 | 164000 | 193000 | 8300 | 11000 | 20000 | 5500 | 2000 | 1100 | 490 | 850 |
| | | -61.0000 | | - | 4700 | - | 1700 | 370 | - | - | 7400 | 1500 | - |
| | | | | 250 | - | - | 570 | - | - | - | - | 790 | - |
| 115 | AULP05 | 39.0000 | -2940.0000 | 161000 | 186000 | 12000 | 23000 | 19000 | 5000 | 2200 | 2500 | 580 | 900 |
| | | -61.0000 | | - | 7400 | - | 1600 | 320 | - | - | 8400 | 1300 | - |
| | | | | 250 | - | - | 600 | - | - | - | - | 1100 | - |
| 115 | AULP06 | 39.0000 | -2940.0000 | 135000 | 185000 | 9800 | 32000 | 20000 | 5500 | 2900 | 1000 | 670 | 750 |
| | | -61.0000 | | - | 7400 | - | 1500 | 280 | - | - | 7600 | 1600 | - |
| | | | | 290 | - | - | 640 | - | - | - | - | 890 | - |
| 115 | AULP07 | 39.0000 | -2940.0000 | 167000 | 191000 | 7600 | 14000 | 21000 | 4100 | 2200 | 1300 | 610 | 800 |
| | | -61.0000 | | - | 5000 | - | 1800 | 390 | - | - | 7500 | 1500 | - |
| | | | | 290 | - | - | 650 | - | - | - | - | 820 | - |
| 115 | AULP08 | 39.0000 | -2940.0000 | 109000 | 158000 | 21000 | 80000 | 21000 | 6500 | 1400 | 1100 | 690 | 600 |
| | | -61.0000 | | - | 10900 | - | 810 | 200 | - | - | 9200 | 850 | - |
| | | | | 190 | - | - | - | - | - | - | - | 560 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MG / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | LAM071 | 38.0660<br>-60.2160 | -3007.0000 | 18000<br>-<br>- | 104000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 42000<br>-<br>- | -<br>-<br>- | 400<br>-<br>- | 1100<br>-<br>- | 400<br>-<br>- | -<br>-<br>- |
| 115 | LAM072 | 31.0160<br>-67.1130 | -4764.0000 | 133000<br>-<br>- | 206000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1800<br>-<br>- | 2000<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 115 | MER141 | 39.9500<br>-66.8170 | -3710.0000 | 101000<br>280<br>- | 169000<br>5600<br>- | 36514<br>-<br>- | 126665<br>860<br>1100 | 8900<br>350<br>- | 5700<br>-<br>- | 1200<br>-<br>- | 2100<br>-<br>- | 1000<br>-<br>- | 690<br>-<br>- |
| 115 | MER147 | 32.2170<br>-69.1000 | -5290.0000 | 148000<br>1690<br>- | 93000<br>9500<br>- | 51861<br>-<br>- | 117784<br>580<br>1400 | 11700<br>240<br>- | 3700<br>-<br>- | 1400<br>-<br>- | 2900<br>-<br>- | 3000<br>-<br>- | 430<br>-<br>- |
| 115 | MER148 | 34.8660<br>-62.5000 | -1460.0000 | 169000<br>-<br>- | 189000<br>-<br>- | 13759<br>-<br>- | 9347<br>1300<br>2300 | 22300<br>390<br>- | 5700<br>-<br>- | 9100<br>-<br>- | 2700<br>-<br>- | 400<br>-<br>- | 530<br>-<br>- |
| 114 | LAM068 | 32.4330<br>-58.9660 | -3433.0000 | 144000<br>-<br>- | 140000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4200<br>-<br>- | 3200<br>-<br>- | 1400<br>-<br>- | -<br>-<br>- |
| 114 | LAM069 | 32.4330<br>-58.9660 | -3453.0000 | 119000<br>-<br>- | 202000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3400<br>-<br>- | 2400<br>-<br>- | 1400<br>-<br>- | -<br>-<br>- |
| 114 | LAM070 | 30.8660<br>-59.3830 | -5616.0000 | 100000<br>-<br>- | 140000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 18000<br>-<br>- | -<br>-<br>- | 2400<br>-<br>- | 2500<br>-<br>- | 700<br>-<br>- | -<br>-<br>- |
| 113 | MER151 | 30.8170<br>-44.5500 | -3540.0000 | 115000<br>-<br>- | 259000<br>-<br>- | 26459<br>-<br>- | 25706<br>900<br>2000 | 20300<br>170<br>- | 8700<br>-<br>- | 7900<br>-<br>- | 1600<br>-<br>- | 700<br>-<br>- | 510<br>-<br>- |
| 113 | WILL02 | 31.8170<br>-43.4170 | -3700.0000 | -<br>-<br>- | 243000<br>-<br>- | -<br>-<br>- | 43000<br>-<br>- | -<br>320<br>- | 9100<br>-<br>- | 4800<br>-<br>- | 1900<br>16000<br>- | 1000<br>850<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | MERO22 | 24.8300<br>144.0800 | -5190.0000 | 70000<br>-<br>- | 47000<br>26000<br>- | 92080<br>-<br>- | 180883<br>550<br>1600 | 6900<br>170<br>- | 4500<br>-<br>- | 1400<br>-<br>- | 4400<br>-<br>- | 4500<br>-<br>- | 380<br>-<br>- |
| 93 | DICH07 | 27.3330<br>150.1660 | -5100.0000 | 143000<br>-<br>- | 164700<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2000<br>-<br>- | 2000<br>-<br>- | -<br>-<br>- | -<br>-<br>- |
| 93 | DICH08 | 27.3330<br>150.1660 | -5100.0000 | 144400<br>-<br>- | 179900<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2100<br>-<br>- | 3200<br>-<br>- | -<br>-<br>- | -<br>-<br>- |
| 93 | DICH09 | 27.3330<br>150.1660 | -5100.0000 | 149000<br>-<br>- | 165300<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1200<br>-<br>- | 2900<br>-<br>- | -<br>-<br>- | -<br>-<br>- |
| 93 | FEM001 | 21.9250<br>158.5500 | -1320.0000 | 151627<br>-<br>- | 228992<br>3154<br>- | 14129<br>-<br>- | 45805<br>-<br>- | 18010<br>-<br>- | 14567<br>-<br>- | -<br>-<br>- | 1414<br>10132<br>- | -<br>-<br>- | -<br>342<br>- |
| 93 | FEM002 | 21.8200<br>158.8040 | -1300.0000 | 179428<br>-<br>- | 221141<br>3154<br>- | 9419<br>-<br>- | 27903<br>-<br>- | 17081<br>-<br>- | 12409<br>-<br>- | -<br>-<br>- | 2435<br>10795<br>- | -<br>-<br>- | -<br>-<br>- |
| 93 | FEM003 | 21.8340<br>158.6170 | -1240.0000 | 209939<br>-<br>- | 156781<br>3735<br>- | 34186<br>-<br>- | 63145<br>-<br>- | 12221<br>-<br>- | 20083<br>-<br>- | -<br>-<br>- | 8958<br>33894<br>- | -<br>-<br>- | -<br>-<br>- |
| 93 | FEM004 | 21.8340<br>158.6170 | -1240.0000 | 175169<br>-<br>- | 138825<br>1826<br>- | 4604<br>-<br>- | 17480<br>-<br>- | 17796<br>-<br>- | 7973<br>-<br>- | -<br>-<br>- | 2278<br>9830<br>- | -<br>-<br>- | -<br>-<br>- |
| 93 | FEM005 | 21.6340<br>158.6170 | -1240.0000 | 191354<br>-<br>- | 168052<br>2573<br>- | 9843<br>-<br>- | 24585<br>-<br>- | 17938<br>-<br>- | 10251<br>-<br>- | -<br>-<br>- | 4950<br>14595<br>- | -<br>-<br>- | -<br>-<br>- |
| 93 | FEM006 | 21.6170<br>158.6890 | -1680.0000 | 148529<br>-<br>- | 223939<br>2905<br>- | 12806<br>-<br>- | 44122<br>-<br>- | 17438<br>-<br>- | 26557<br>-<br>- | -<br>-<br>- | 2671<br>11579<br>- | -<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | FEM007 | 21.9250 | -1320.0000 | 170677 | 184064 | 20797 | 40149 | 19225 | 21881 | - | 2121 | - | - |
| | | 158.5500 | | - | 3569 | - | - | - | - | - | 10373 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 93 | FEM008 | 21.9250 | -1320.0000 | 362341 | 2020 | 16511 | 2009 | 8862 | 1079 | - | 5979 | - | - |
| | | 158.5500 | | - | 4067 | - | - | - | - | - | 39080 | - | 0 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 93 | FEM009 | 21.9250 | -1320.0000 | 410431 | 1865 | 15135 | 2056 | 9219 | 1438 | - | 12572 | - | - |
| | | 158.5500 | | - | 4815 | - | - | - | - | - | 39864 | - | 0 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 93 | FEM010 | 21.7430 | -1230.0000 | 23231 | 288766 | 37837 | 136574 | 5789 | 18584 | - | - | - | - |
| | | 158.3450 | | - | 13947 | - | - | - | - | - | 5910 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 93 | FEM011 | 21.7180 | -700.0000 | 89598 | 248269 | 17728 | 40056 | 12578 | 29015 | - | 864 | - | - |
| | | 158.7000 | | - | 3320 | - | - | - | - | - | 12846 | - | 0 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 93 | GOL004 | 27.3330 | -5286.0000 | 143000 | 165000 | 12400 | - | - | 12400 | 2000 | 2000 | 4400 | - |
| | | 150.1670 | | 3900 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 140 | - |
| 93 | GOL005 | 27.3330 | -5286.0000 | 144000 | 180000 | 12400 | - | - | 12400 | 2100 | 3200 | 5600 | - |
| | | 150.1670 | | 4500 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 140 | - |
| 93 | GOL006 | 27.3330 | -5286.0000 | 149000 | 165000 | 12400 | - | - | 12400 | 1600 | 2900 | 4900 | - |
| | | 150.1670 | | 4300 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 140 | - |
| 93 | SCR139 | 26.2000 | - - | 122000 | 140000 | - | - | - | - | 1400 | 4100 | 2700 | - |
| | | 153.7300 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 93 | SCR140 | 26.2000 | - - | 158000 | 182000 | - | - | - | - | 1800 | 5300 | 3500 | - |
| | | 153.7300 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | SKOR25 | 26.2000 | -6120.0000 | 160687 | 145894 | 31116 | 71699 | 15723 | 7014 | 3617 | 4086 | - | - |
| | | 153.7300 | | - | 0 | - | - | - | - | - | 16404 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 92 | SKOR23 | 24.0166 | -5542.0000 | 172319 | 102042 | 39266 | 94882 | 23585 | 7313 | 3224 | 5343 | - | - |
| | | 163.0333 | | - | 9215 | - | - | - | - | - | 12544 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 92 | SKOR24 | 24.0650 | -3951.0000 | 176236 | 112743 | 19315 | 61229 | 28016 | 6654 | 4718 | 4871 | - | - |
| | | 160.7483 | | - | 8052 | - | - | - | - | - | 8021 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 92 | SKOR28 | 24.0650 | -3951.0000 | 175920 | 128969 | 17040 | 54358 | 22084 | 10790 | 5112 | 4007 | - | - |
| | | 160.7483 | | - | 6641 | - | - | - | - | - | 7237 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 91 | CRON96 | 27.7000 | -5750.0000 | 202000 | 138700 | - | - | - | 8230 | 2640 | 8050 | 5230 | - |
| | | 175.1670 | | - | - | - | - | 270 | - | - | - | 360 | 5 |
| | | | | - | - | - | 230 | - | - | - | - | - | - |
| 91 | NIKO17 | 23.9150 | - - | 185000 | 127400 | - | 44100 | 18100 | - | - | - | - | - |
| | | 173.6760 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 91 | NIKO18 | 23.9150 | - - | 187100 | 144700 | - | 45600 | 19300 | - | - | - | - | - |
| | | 173.6760 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 91 | NIKO19 | 23.9150 | - - | 190300 | 135100 | - | 50600 | 17300 | - | - | 3700 | - | - |
| | | 173.6760 | | 3000 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 91 | NIKO20 | 23.9150 | - - | 181600 | 154000 | - | 49600 | 18000 | - | - | 3400 | - | - |
| | | 173.6760 | | 4000 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 91 | NIKO21 | 23.9150 | - - | 191500 | 134000 | - | 117200 | 16000 | - | - | 3800 | - | - |
| | | 173.6760 | | 4200 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | SAN 03 | 23.9160<br>173.6550 | -4000.0000 | 156250<br>-<br>- | 119107<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2674<br>-<br>- | 5657<br>-<br>- | 2076<br>-<br>- | -<br>-<br>- |
| 91 | SAN 17 | 23.9990<br>175.6640 | -5256.0000 | 201260<br>-<br>- | 123793<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 4247<br>-<br>- | 7543<br>-<br>- | 5272<br>-<br>- | -<br>-<br>- |
| 91 | SAN 18 | 23.9540<br>170.9660 | -5817.0000 | 206631<br>-<br>- | 132466<br>17517<br>- | 24025<br>-<br>- | 59219<br>-<br>- | 17224<br>-<br>- | 1378<br>-<br>- | 3932<br>-<br>- | 10922<br>14353<br>- | -<br>-<br>- | -<br>-<br>- |
| 91 | SKOR15 | 23.9555<br>170.9666 | -5817.0000 | 201963<br>1659<br>- | 119107<br>-<br>- | 26354<br>-<br>- | 60621<br>-<br>- | 17581<br>-<br>- | 5994<br>-<br>- | 4640<br>-<br>- | 5264<br>18153<br>- | -<br>-<br>- | -<br>-<br>- |
| 90 | SKOR22 | 20.0450<br>-171.6283 | -3477.0000 | 134278<br>-<br>- | 176738<br>5230<br>- | 15029<br>-<br>- | 66370<br>-<br>- | 23227<br>-<br>- | 11090<br>-<br>- | 4640<br>-<br>- | 2671<br>4221<br>- | -<br>-<br>- | -<br>-<br>- |
| 89 | LAM048 | 27.6000<br>-161.9000 | -4947.0000 | 160000<br>-<br>- | 100000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2400<br>-<br>- | 5400<br>-<br>- | 3200<br>-<br>- | -<br>-<br>- |
| 89 | SAN 16 | 20.0330<br>-161.1480 | -4740.0000 | 67250<br>-<br>- | 105539<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 1728<br>-<br>- | 2076<br>-<br>- | -<br>-<br>- |
| 88 | LAM042 | 24.2660<br>-157.9330 | -3968.0000 | 60000<br>-<br>- | 66000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 800<br>-<br>- | 1800<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 88 | LAM043 | 27.2500<br>-157.0000 | -5720.0000 | 188000<br>-<br>- | 100000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 13000<br>-<br>- | -<br>-<br>- | 3200<br>-<br>- | 5200<br>-<br>- | 4900<br>-<br>- | -<br>-<br>- |
| 88 | LAM044 | 29.2500<br>-157.0330 | -5830.0000 | 280000<br>-<br>- | 39000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 15000<br>-<br>- | -<br>-<br>- | 2200<br>-<br>- | 13600<br>-<br>- | 11000<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | LAM045 | 28.3300 | -5360.0000 | 152000 | 101000 | - | - | - | - | 2800 | 9600 | 3000 | - |
| | | -158.3300 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 88 | LAM046 | 28.4000 | -5680.0000 | 164000 | 116000 | - | - | 16000 | - | 3200 | 6200 | 2700 | - |
| | | -159.1830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 88 | LAM047 | 23.0160 | -4856.0000 | 4000 | 30000 | - | - | - | - | 100 | 100 | 200 | - |
| | | -159.3500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 88 | MER020 | 22.0000 | -5240.0000 | 155000 | 142000 | 34397 | 64968 | 15000 | 25200 | 3700 | 4600 | 3300 | 670 |
| | | -150.0000 | | - | 5400 | - | 1100 | 340 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 88 | MURR22 | 22.5500 | -4360.0000 | 135135 | 251169 | 24766 | 109184 | 15409 | - | - | - | - | - |
| | | -150.2833 | | - | - | - | - | - | - | - | 6175 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 88 | SAN 15 | 20.0400 | -5504.0000 | 172887 | 111973 | - | - | - | - | 2202 | 5893 | 5831 | - |
| | | -150.6670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 87 | CRON34 | 22.9500 | -4750.0000 | 106700 | 81900 | - | - | - | 3710 | 2250 | 8350 | 5590 | - |
| | | -143.9760 | | - | - | - | - | 350 | - | - | - | 340 | 20 |
| | | | | - | - | - | 600 | - | - | - | - | - | - |
| 87 | CRON35 | 22.9500 | -4850.0000 | 108100 | 93100 | - | - | - | 11080 | 1620 | 8670 | 5300 | - |
| | | -143.9760 | | - | - | - | - | 220 | - | - | - | 440 | 11 |
| | | | | - | - | - | 750 | - | - | - | - | - | - |
| 87 | HEWE04 | 23.2830 | -5540.0000 | 100000 | 100000 | - | 30000 | 30000 | - | 3000 | 7000 | 3000 | - |
| | | -141.2160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 87 | LAM041 | 21.5000 | -5378.0000 | 210000 | 105000 | - | - | 10000 | - | 2300 | 10000 | 5400 | - |
| | | -140.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | MERU21 | 23.9000 | -5220.0000 | 109000 | 72000 | 78850 | 138350 | 6300 | 6800 | 2000 | 4900 | 4300 | 600 |
| | | -148.0000 | | - | 22400 | - | 600 | 350 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 87 | MERU23 | 23.2800 | -5540.0000 | 191000 | 123000 | 29635 | 58892 | 16600 | 14000 | 4600 | 4500 | 3200 | 430 |
| | | -141.2200 | | - | 5300 | - | 1200 | 460 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 87 | SAN 12 | 24.8390 | -5071.0000 | 124926 | 51755 | 53607 | 166160 | 12650 | 3057 | 1022 | 6915 | 3514 | - |
| | | -144.0900 | | - | 27562 | - | - | - | - | - | 9046 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 87 | SCRI37 | 23.2830 | - - | 221000 | 182000 | - | - | - | - | 4700 | 6000 | 4400 | - |
| | | -141.2170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 87 | SCRI38 | 24.8380 | - - | 88000 | 70000 | - | - | - | - | 1100 | 4900 | 2600 | - |
| | | -144.0900 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 86 | LAMU40 | 29.1660 | -4890.0000 | 125000 | 174000 | - | - | 14000 | - | 900 | 2600 | 1400 | - |
| | | -139.9130 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 86 | MERU24 | 23.2800 | -4890.0000 | 159000 | 141000 | 24872 | 65435 | 13500 | 16100 | 5200 | 3500 | 2000 | 640 |
| | | -138.2300 | | - | 6200 | - | 1100 | 280 | - | - | - | - | - |
| | | | | - | - | - | 1700 | - | - | - | - | - | - |
| 86 | MERU25 | 20.0000 | -4895.0000 | 218000 | 87000 | 38631 | 72914 | 15100 | 6500 | 3300 | 11000 | 9100 | 930 |
| | | -130.0200 | | - | 9200 | - | 890 | 460 | - | - | - | - | - |
| | | | | - | - | - | 1100 | - | - | - | - | - | - |
| 86 | SAN 14 | 20.0050 | -5005.0000 | 198119 | 92390 | 42918 | 96050 | 21583 | 4196 | - | 8329 | 5112 | - |
| | | -130.0200 | | - | 12120 | - | - | - | - | - | 12966 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 86 | SCRI35 | 27.8830 | - - | 150000 | 149000 | - | - | - | - | 4200 | 3300 | 1300 | - |
| | | -132.6170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | SCRI36 | 23.2830 | - - | 120000 | 70000 | - | - | - | - | 1200 | 5300 | 4200 | - |
| | | -138.2500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | BARN39 | 21.4500 | - - | 276000 | 134000 | - | - | - | - | 1700 | 4700 | 2200 | - |
| | | -126.7170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | CRON26 | 21.4500 | -4300.0000 | 169200 | 129100 | - | - | - | 9360 | 3420 | 3500 | 2030 | - |
| | | -126.7160 | | - | - | - | - | 570 | - | - | - | 480 | 5 |
| | | | | - | - | - | 1430 | - | - | - | - | - | - |
| 85 | MERU26 | 20.6500 | -4702.0000 | 212000 | 92000 | 35985 | 79457 | 13600 | 4800 | 3600 | 11000 | 7600 | 950 |
| | | -127.2700 | | - | 8100 | - | 840 | 490 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 85 | MERU27 | 21.4500 | -4300.0000 | 97000 | 115000 | 19051 | 188362 | 10000 | 5800 | 3000 | 1300 | 1900 | 430 |
| | | -126.7200 | | 2200 | 9000 | - | 660 | 280 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 85 | MERU28 | 28.3800 | -4340.0000 | 104000 | 106000 | 58741 | 147698 | 7500 | 4300 | 1900 | 6700 | 4400 | 500 |
| | | -126.9500 | | 1280 | 18300 | - | 620 | 320 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 85 | MERU29 | 24.3700 | -4330.0000 | 185000 | 95000 | 20109 | 57022 | 13000 | 5000 | 2400 | 12100 | 4900 | 300 |
| | | -125.0000 | | - | 3400 | - | 560 | 390 | - | - | - | - | - |
| | | | | - | - | - | 510 | - | - | - | - | - | - |
| 85 | MERU30 | 29.9600 | -4325.0000 | 83000 | 70000 | 79379 | 168263 | 7400 | 3200 | 1500 | 4100 | 2500 | 670 |
| | | -125.9200 | | - | 24100 | - | 650 | 110 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 85 | MERU31 | 28.9800 | -4000.0000 | 143000 | 136000 | 35456 | 86936 | 11100 | 12000 | 3700 | 5100 | 3400 | 810 |
| | | -125.6800 | | - | 9000 | - | 790 | 360 | - | - | - | - | - |
| | | | | - | - | - | 1800 | - | - | - | - | - | - |
| 85 | MERU32 | 29.9500 | -4017.0000 | 167000 | 112000 | 41806 | 100958 | 13400 | 4900 | 1500 | 7400 | 4500 | 690 |
| | | -120.7000 | | - | 8300 | - | 630 | 420 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | MER174 | 28.9670 | - - | 99000 | 121000 | - | - | - | - | 2800 | 6400 | 4200 | - |
| | | -125.6670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | MER175 | 28.9670 | - - | 167000 | 134000 | - | - | - | - | 3900 | 5900 | 3800 | - |
| | | -125.6670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | MER176 | 28.9670 | - - | 156000 | 145000 | - | - | - | - | 4500 | 5700 | 2900 | - |
| | | -125.6670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | MER177 | 28.9670 | - - | 52000 | 153000 | - | - | - | - | 3100 | 870 | 1600 | - |
| | | -125.6670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | MER178 | 28.9670 | - - | 43000 | 77000 | - | - | - | - | 1600 | 1600 | 1700 | - |
| | | -125.6670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | MER179 | 28.9670 | - - | 59000 | 122000 | - | - | - | - | 1400 | 3000 | 2300 | - |
| | | -125.6670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 85 | MGH 31 | 21.4500 | -4300.0000 | 246000 | 182000 | 23000 | 70000 | 18000 | 11000 | 5000 | 4600 | 3600 | - |
| | | -126.7160 | | - | 7000 | - | 900 | 610 | - | - | 13000 | 600 | - |
| | | | | 170 | - | - | 1500 | 240 | - | 7 | - | 1000 | - |
| 85 | MGH 32 | 21.4500 | -4300.0000 | 70000 | 79000 | 63000 | 215000 | 6100 | 4000 | 700 | 3900 | 2800 | - |
| | | -126.7160 | | - | 28000 | - | 420 | 100 | - | - | 16000 | 190 | 15 |
| | | | | 63 | - | - | 470 | - | - | 7 | - | 380 | - |
| 85 | MGH 58 | 24.3660 | -4330.0000 | 259000 | 133000 | 28000 | 79000 | 5000 | 7000 | 3300 | 17000 | 6900 | 400 |
| | | -125.0000 | | - | 5000 | - | 790 | 550 | - | - | 21000 | 520 | 8 |
| | | | | 130 | - | - | 710 | 110 | - | - | - | 800 | - |
| 85 | SCRI34 | 28.7830 | - - | 14000 | 49000 | - | - | - | - | 160 | 1000 | 1000 | - |
| | | -123.6000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | SKOR19 | 29.9466 | -4050.0000 | 151971 | 140439 | 34397 | 91750 | 19153 | 4496 | 1337 | 4321 | - | - |
| | | -120.7033 | | - | 8634 | - | - | - | - | - | 11157 | - | - |
| | | | | - | - | - | 1021 | - | - | - | - | - | - |
| 84 | BARN35 | 27.3330 | - - | 391000 | 91500 | - | - | - | - | 2700 | 18000 | 8000 | - |
| | | -116.1670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | BARN36 | 29.5170 | - - | 422000 | 144000 | - | - | - | - | 6500 | 6600 | 900 | - |
| | | -117.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | BARN37 | 27.7170 | - - | 270000 | 203000 | - | - | - | - | 3800 | 2600 | 200 | - |
| | | -119.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | BARN38 | 23.0500 | - - | 424000 | 135000 | - | - | - | - | 6800 | 6800 | 400 | - |
| | | -119.5830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | CRON31 | 20.3170 | -4010.0000 | 241300 | 104600 | - | - | - | 2890 | 2580 | 12580 | 6800 | - |
| | | -117.4840 | | - | - | - | - | 360 | - | - | - | 330 | 5 |
| | | | | - | - | - | 190 | - | - | - | - | - | - |
| 84 | CRON89 | 29.5170 | -600.0000 | 172500 | 127700 | - | - | - | 8400 | 9330 | 2210 | 290 | - |
| | | -117.2833 | | - | - | - | - | 750 | - | - | - | 670 | 15 |
| | | | | - | - | - | 3110 | - | - | - | - | - | - |
| 84 | CRON97 | 24.3833 | -3550.0000 | 339000 | 16900 | - | - | - | 690 | 100 | 1110 | 570 | - |
| | | -113.3000 | | - | - | - | - | 680 | - | - | - | 300 | 16 |
| | | | | - | - | - | 57 | - | - | - | - | - | - |
| 84 | CRON98 | 24.4000 | -1950.0000 | 339200 | 19900 | - | - | - | 640 | 69 | 1100 | 860 | - |
| | | -113.2770 | | - | - | - | - | 780 | - | - | - | 310 | 23 |
| | | | | - | - | - | 58 | - | - | - | - | - | - |
| 84 | CRON99 | 24.5670 | -3510.0000 | 341200 | 11800 | - | - | - | 490 | 55 | 690 | 520 | - |
| | | -113.4666 | | - | - | - | - | 710 | - | - | - | 290 | 18 |
| | | | | - | - | - | 62 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | GOLD19 | 25.2500 | - - | 224000 | 199000 | 3900 | - | - | 7400 | 3200 | 3400 | 2100 | - |
| | | -119.6670 | | 8500 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 38 | - |
| 84 | GOLD20 | 25.2500 | - - | 227000 | 201000 | 3900 | - | - | 7400 | 3700 | 3500 | 2300 | - |
| | | -119.6670 | | 8900 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 38 | - |
| 84 | GOLD21 | 25.2500 | - - | 188000 | 203000 | 3900 | - | - | 7400 | 2700 | 2200 | 2200 | - |
| | | -119.6670 | | 6700 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 38 | - |
| 84 | GOLD25 | 27.3330 | -4400.0000 | 238000 | 61800 | 17000 | - | - | 2700 | 120 | 6100 | 8900 | - |
| | | -116.1670 | | 2400 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 21 | - |
| 84 | GOLD26 | 27.3330 | -4400.0000 | 198000 | 62800 | 17000 | - | - | 2700 | 140 | 6600 | 7800 | - |
| | | -116.1670 | | 3900 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 21 | - |
| 84 | GOLD27 | 27.3330 | -4400.0000 | 236000 | 82400 | 17000 | - | - | 2700 | 290 | 5700 | 8000 | - |
| | | -116.1670 | | 5100 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 21 | - |
| 84 | MER033 | 22.5000 | -3604.0000 | 288000 | 48500 | 38631 | 79925 | 12800 | 1600 | 260 | 6300 | 4200 | 260 |
| | | -113.1300 | | - | 9500 | - | 620 | 650 | - | - | - | - | - |
| | | | | - | - | - | 220 | - | - | - | - | - | - |
| 84 | MER034 | 29.0500 | -400.0000 | 389000 | 8600 | 19051 | 41598 | 11600 | 700 | 100 | 450 | 100 | 230 |
| | | -113.5500 | | - | 9600 | - | 1000 | 220 | - | - | - | - | - |
| | | | | - | - | - | 250 | - | - | - | - | - | - |
| 84 | MER131 | 22.0000 | -3480.0000 | 278000 | 104000 | - | - | - | - | 800 | 10200 | 6100 | - |
| | | -116.2330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER132 | 21.8330 | -3430.0000 | 251000 | 130000 | - | - | - | - | 1100 | 10200 | 5000 | - |
| | | -115.2000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | MER133 | 21.6670 -114.1830 | -3800.0000 | 288000 - - | 99000 - - | - - - | - - - | - - - | - - - | 900 - - | 11900 - - | 6400 - - | - - - |
| 84 | MER134 | 21.5170 -114.1330 | -3800.0000 | 282000 - - | 81000 - - | - - - | - - - | - - - | - - - | 500 - - | 14600 - - | 7700 - - | - - - |
| 84 | MER135 | 21.4500 -114.1170 | -3800.0000 | 276000 - - | 109000 - - | - - - | - - - | - - - | - - - | 1100 - - | 12300 - - | 6200 - - | - - - |
| 84 | MER136 | 21.3500 -114.1000 | -3660.0000 | 289000 - - | 90000 - - | - - - | - - - | - - - | - - - | 800 - - | 13500 - - | 7200 - - | - - - |
| 84 | MER137 | 21.5500 -113.8000 | -3660.0000 | 244000 - - | 75000 - - | - - - | - - - | - - - | - - - | 500 - - | 12400 - - | 6200 - - | - - - |
| 84 | MER138 | 21.6670 -113.5000 | -3420.0000 | 289000 - - | 94000 - - | - - - | - - - | - - - | - - - | 700 - - | 12400 - - | 6000 - - | - - - |
| 84 | MER139 | 21.8000 -113.0500 | -3450.0000 | 310000 - - | 83000 - - | - - - | - - - | - - - | - - - | 400 - - | 11000 - - | 4700 - - | - - - |
| 84 | MER140 | 21.8830 -112.7830 | -3335.0000 | 303000 - - | 57000 - - | - - - | - - - | - - - | - - - | 100 - - | 5400 - - | 3100 - - | - - - |
| 84 | MER164 | 21.8830 -112.7830 | - - | 363600 - - | 68400 - - | - - - | - - - | - - - | - - - | 1200 - - | 6500 - - | 3700 - - | - - - |
| 84 | MER165 | 21.8000 -113.0500 | - - | 372000 - - | 99600 - - | - - - | - - - | - - - | - - - | 500 - - | 13200 - - | 5600 - - | - - - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | MER166 | 21.6670 | - - | 346800 | 112800 | - | - | - | - | 800 | 14900 | 7200 | - |
| | | -113.5000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER167 | 21.5500 | - - | 292800 | 90000 | - | - | - | - | 600 | 14900 | 7400 | - |
| | | -113.8000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER168 | 21.3500 | - - | 346800 | 108000 | - | - | - | - | 1000 | 16200 | 8600 | - |
| | | -114.1000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER169 | 21.6670 | - - | 345600 | 118800 | - | - | - | - | 1100 | 14300 | 7700 | - |
| | | -114.1830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER170 | 21.8330 | - - | 301200 | 156000 | - | - | - | - | 1300 | 12200 | 6000 | - |
| | | -115.2000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER171 | 22.0000 | - - | 333600 | 124800 | - | - | - | - | 1000 | 12200 | 7300 | - |
| | | -116.2330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER172 | 29.5170 | - - | 211000 | 156000 | - | - | - | - | 7300 | 2200 | 430 | - |
| | | -117.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | MER173 | 23.0500 | - - | 205000 | 135000 | - | - | - | - | 6200 | 3600 | 450 | - |
| | | -119.5830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | RAPE01 | 22.0000 | -3480.0000 | 218000 | 87000 | 16000 | - | - | - | 800 | 11500 | - | 2400 |
| | | -116.2330 | | - | - | - | - | - | - | - | - | 260 | 25 |
| | | | | - | - | - | - | 136 | - | - | - | - | - |
| 84 | RAPE02 | 22.0000 | -3480.0000 | 220000 | 71900 | 16200 | - | - | - | 820 | 12300 | - | 2600 |
| | | -116.2330 | | - | - | - | - | - | - | - | - | 340 | 26 |
| | | | | - | - | - | - | 136 | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | RAPE03 | 22.0000 | -3480.0000 | 221000 | 88500 | 14000 | - | - | - | 860 | 12500 | - | 2500 |
| | | -116.2330 | | - | - | - | - | - | - | - | - | 350 | 29 |
| | | | | - | - | - | - | 139 | - | - | - | - | - |
| 84 | RAPE04 | 21.8330 | -3430.0000 | 215000 | 85800 | 15200 | - | - | - | 880 | 12700 | - | 2400 |
| | | -115.2000 | | - | - | - | - | - | - | - | - | 330 | 17 |
| | | | | - | - | - | - | 151 | - | - | - | - | - |
| 84 | RAPE05 | 21.8330 | -3430.0000 | 174000 | 139000 | 14200 | - | - | - | 980 | 7300 | - | 2000 |
| | | -115.2000 | | - | - | - | - | - | - | - | - | 430 | 28 |
| | | | | - | - | - | - | 254 | - | - | - | - | - |
| 84 | RAPE06 | 21.8330 | -3430.0000 | 181000 | 129000 | 13500 | - | - | - | 1160 | 8300 | - | 2100 |
| | | -115.2000 | | - | - | - | - | - | - | - | - | 420 | 18 |
| | | | | - | - | - | - | 215 | - | - | - | - | - |
| 84 | RAPE07 | 21.8330 | -3430.0000 | 176000 | 131000 | 14600 | - | - | - | 970 | 6900 | - | 1900 |
| | | -115.2000 | | - | - | - | - | - | - | - | - | 420 | 25 |
| | | | | - | - | - | - | 231 | - | - | - | - | - |
| 84 | RAPE08 | 21.6670 | -3800.0000 | 203000 | 92100 | 15500 | - | - | - | 860 | 9700 | - | 2300 |
| | | -114.1830 | | - | - | - | - | - | - | - | - | 360 | 23 |
| | | | | - | - | - | - | 141 | - | - | - | - | - |
| 84 | RAPE09 | 21.6670 | -3800.0000 | 238000 | 70900 | 15100 | - | - | - | 820 | 12200 | - | 2900 |
| | | -114.1830 | | - | - | - | - | - | - | - | - | 360 | 28 |
| | | | | - | - | - | - | 124 | - | - | - | - | - |
| 84 | RAPE10 | 21.5170 | -3800.0000 | 219000 | 72100 | 13900 | - | - | - | 820 | 12500 | - | 2600 |
| | | -114.1330 | | - | - | - | - | - | - | - | - | 380 | 21 |
| | | | | - | - | - | - | 140 | - | - | - | - | - |
| 84 | RAPE11 | 21.5170 | -3800.0000 | 229000 | 59800 | 17000 | - | - | - | 690 | 12500 | - | 3100 |
| | | -114.1330 | | - | - | - | - | - | - | - | - | 320 | 19 |
| | | | | - | - | - | - | 110 | - | - | - | - | - |
| 84 | RAPE12 | 21.5170 | -3800.0000 | 216000 | 77000 | - | - | - | - | 770 | 13800 | - | 2300 |
| | | -114.1330 | | - | - | - | - | - | - | - | - | 330 | 25 |
| | | | | - | - | - | - | 118 | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | KAPE13 | 21.4500<br>-114.1170 | -3800.0000 | 181000<br>-<br>- | 91300<br>-<br>- | 18800<br>-<br>- | -<br>-<br>- | -<br>-<br>135 | -<br>-<br>- | 960<br>-<br>- | 12700<br>-<br>- | -<br>300<br>- | 2200<br>25<br>- |
| 84 | KAPE14 | 21.4500<br>-114.1170 | -3800.0000 | 183000<br>-<br>- | 70500<br>-<br>- | 28500<br>-<br>- | -<br>-<br>- | -<br>-<br>98 | -<br>-<br>- | 710<br>-<br>- | 10500<br>-<br>- | -<br>320<br>- | 2000<br>30<br>- |
| 84 | KAPE15 | 21.4500<br>-114.1170 | -3800.0000 | 203000<br>-<br>- | 88700<br>-<br>- | 18200<br>-<br>- | -<br>-<br>- | -<br>-<br>141 | -<br>-<br>- | 980<br>-<br>- | 11000<br>-<br>- | -<br>360<br>- | 2200<br>18<br>- |
| 84 | KAPE16 | 21.5500<br>-113.8000 | -3660.0000 | 203000<br>-<br>- | 106000<br>-<br>- | 15300<br>-<br>- | -<br>-<br>- | -<br>-<br>171 | -<br>-<br>- | 1000<br>-<br>- | 10000<br>-<br>- | -<br>320<br>- | 2200<br>21<br>- |
| 84 | KAPE17 | 21.5500<br>-113.8000 | -3660.0000 | 179000<br>-<br>- | 139000<br>-<br>- | 11000<br>-<br>- | -<br>-<br>- | -<br>-<br>268 | -<br>-<br>- | 940<br>-<br>- | 6600<br>-<br>- | -<br>480<br>- | 1800<br>41<br>- |
| 84 | KAPE18 | 21.5500<br>-113.8000 | -3660.0000 | 185000<br>-<br>- | 114000<br>-<br>- | 15300<br>-<br>- | -<br>-<br>- | -<br>-<br>172 | -<br>-<br>- | 1020<br>-<br>- | 8800<br>-<br>- | -<br>360<br>- | 2000<br>18<br>- |
| 84 | KAPE19 | 21.6670<br>-113.5000 | -3420.0000 | 221000<br>-<br>- | 81900<br>-<br>- | 15500<br>-<br>- | -<br>-<br>- | -<br>-<br>127 | -<br>-<br>- | 700<br>-<br>- | 9400<br>-<br>- | -<br>410<br>- | 2400<br>26<br>- |
| 84 | KAPE20 | 21.6670<br>-113.5000 | -3420.0000 | 237000<br>-<br>- | 69400<br>-<br>- | 16800<br>-<br>- | -<br>-<br>- | -<br>-<br>126 | -<br>-<br>- | 690<br>-<br>- | 10300<br>-<br>- | -<br>430<br>- | 2700<br>18<br>- |
| 84 | KAPE21 | 21.6670<br>-113.5000 | -3420.0000 | 230000<br>-<br>- | 74800<br>-<br>- | 15900<br>-<br>- | -<br>-<br>- | -<br>-<br>126 | -<br>-<br>- | 720<br>-<br>- | 11700<br>-<br>- | -<br>410<br>- | 2500<br>17<br>- |
| 84 | KAPE22 | 21.8000<br>-113.0500 | -3450.0000 | 233000<br>-<br>- | 67500<br>-<br>- | 15400<br>-<br>- | -<br>-<br>- | -<br>-<br>111 | -<br>-<br>- | 400<br>-<br>- | 9300<br>-<br>- | -<br>380<br>- | 2700<br>17<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | KAPE23 | 21.8000 | -3450.0000 | 241000 | 71700 | 16400 | - | - | - | 460 | 9600 | - | 2900 |
| | | -113.0500 | | - | - | - | - | - | - | - | - | 430 | 16 |
| | | | | - | - | - | - | 112 | - | - | - | - | - |
| 84 | KAPE24 | 21.8000 | -3450.0000 | 259000 | 58200 | 13700 | - | - | - | 430 | 9300 | - | 3200 |
| | | -113.0500 | | - | - | - | - | - | - | - | - | 340 | 14 |
| | | | | - | - | - | - | 108 | - | - | - | - | - |
| 84 | KAPE25 | 21.8000 | -3450.0000 | 242000 | 70200 | 16400 | - | - | - | 480 | 10200 | - | 2700 |
| | | -113.0500 | | - | - | - | - | - | - | - | - | 360 | 20 |
| | | | | - | - | - | - | 113 | - | - | - | - | - |
| 84 | KAPE26 | 21.8330 | -3430.0000 | 212000 | 97600 | 15400 | - | - | - | 930 | 11700 | - | 2300 |
| | | -115.2000 | | - | - | - | - | - | - | - | - | 350 | 25 |
| | | | | - | - | - | - | 168 | - | - | - | - | - |
| 84 | SCRI04 | 29.5160 | -540.0000 | 211000 | 156000 | - | 11000 | 21000 | - | 7300 | 2200 | 400 | - |
| | | -117.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | SCRI05 | 23.5000 | -400.0000 | 205000 | 135000 | - | 12000 | 21000 | - | 6200 | 3600 | 400 | - |
| | | -119.5830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | SCRI32 | 27.3330 | - - | 212000 | 93000 | - | - | - | - | 2700 | 12500 | 7000 | - |
| | | -116.1670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | SCRI33 | 27.7170 | - - | 177000 | 231000 | - | - | - | - | 4300 | 2000 | 140 | - |
| | | -119.2830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | SKOR20 | 24.9650 | -3325.0000 | 30201 | 8532 | 18627 | 33559 | 22798 | 0 | - | 1257 | - | - |
| | | -113.4200 | | - | 7222 | - | - | - | - | - | 10493 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 84 | SKOR21 | 24.9650 | -3325.0000 | 328587 | 12029 | 26301 | 53283 | 18296 | 0 | - | 1807 | - | - |
| | | -113.4200 | | - | 9630 | - | - | - | - | - | 13268 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | STSH41 | 22.1660 / -116.2320 | -3480.0000 | 278000 / - / - | 104000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 800 / - / - | 10200 / - / - | 6100 / - / - | - / - / - |
| 84 | STSH42 | 21.8330 / -115.2000 | -3430.0000 | 251000 / - / - | 130000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1100 / - / - | 10200 / - / - | 5000 / - / - | - / - / - |
| 84 | STSH43 | 21.6750 / -114.1840 | -3800.0000 | 288000 / - / - | 99000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 900 / - / - | 11900 / - / - | 6400 / - / - | - / - / - |
| 84 | STSH44 | 21.5170 / -114.1200 | -3800.0000 | 282000 / - / - | 81000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 500 / - / - | 14600 / - / - | 7700 / - / - | - / - / - |
| 84 | STSH45 | 21.4500 / -114.1100 | -3800.0000 | 276000 / - / - | 109000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 1100 / - / - | 12300 / - / - | 6200 / - / - | - / - / - |
| 84 | STSH46 | 21.3500 / -114.1000 | -3660.0000 | 289000 / - / - | 90000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 800 / - / - | 13500 / - / - | 7200 / - / - | - / - / - |
| 84 | STSH47 | 21.5500 / -113.8000 | -3660.0000 | 224000 / - / - | 75000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 500 / - / - | 12400 / - / - | 6200 / - / - | - / - / - |
| 84 | STSH48 | 21.6750 / -113.5000 | -3420.0000 | 289000 / - / - | 94000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 700 / - / - | 12400 / - / - | 6000 / - / - | - / - / - |
| 84 | STSH49 | 21.8000 / -113.0500 | -3450.0000 | 310000 / - / - | 83000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 400 / - / - | 11000 / - / - | 4700 / - / - | - / - / - |
| 84 | STSH50 | 21.8840 / -112.7820 | -3385.0000 | 303000 / - / - | 57000 / - / - | - / - / - | - / - / - | - / - / - | - / - / - | 100 / - / - | 5400 / - / - | 3100 / - / - | - / - / - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | MER035 | 22.3000 | -3000.0000 | 248000 | 13600 | 43394 | 136480 | 8700 | 800 | 170 | 1200 | 460 | 430 |
| | | -107.8000 | | - | 15200 | - | 390 | 320 | - | - | - | - | - |
| | | | | - | - | - | 460 | - | - | - | - | - | - |
| 83 | WILL08 | 22.3000 | -2999.0000 | - | 18000 | - | 259000 | - | 720 | 87 | 750 | 160 | - |
| | | -107.8000 | | - | - | - | - | 190 | - | - | 11000 | 560 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 79 | LAM065 | 25.1000 | -5868.0000 | 125000 | 208000 | - | - | - | - | 5600 | 4400 | 6000 | - |
| | | -60.3160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 79 | LAM066 | 20.3500 | -5722.0000 | 130000 | 226000 | - | - | 11000 | - | 1900 | 1700 | 1300 | - |
| | | -66.4000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 79 | LAM067 | 20.8160 | -4878.0000 | 84000 | 257000 | - | - | 13000 | - | 1700 | 1300 | 1200 | - |
| | | -66.9160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 79 | MER149 | 28.0830 | -5760.0000 | 189000 | 15400 | 37573 | 57490 | 12700 | 6000 | 3300 | 5700 | 2600 | 710 |
| | | -60.8170 | | - | 4900 | - | 800 | 380 | - | - | - | - | - |
| | | | | - | - | - | 1000 | - | - | - | - | - | - |
| 79 | MER152 | 20.4000 | -5520.0000 | 129000 | 198000 | 34927 | 65903 | 10700 | 6200 | 2400 | 2700 | 1900 | 430 |
| | | -66.4000 | | - | 4200 | - | 880 | 300 | - | - | - | - | - |
| | | | | - | - | - | 1600 | - | - | - | - | - | - |
| 79 | SGG 01 | 25.0000 | -5729.0000 | 193500 | 284200 | - | - | - | - | 4100 | - | 1400 | 700 |
| | | -65.0000 | | - | - | - | - | - | - | - | - | - | 100 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 79 | SGG 02 | 25.0000 | -5729.0000 | 175200 | 316100 | - | - | - | - | 3900 | - | 1600 | 500 |
| | | -65.0000 | | - | - | - | - | - | - | - | - | - | 200 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 79 | SGG 03 | 25.0000 | -5729.0000 | 132100 | 349600 | - | - | - | - | 3700 | - | 1400 | 500 |
| | | -65.0000 | | - | - | - | - | - | - | - | - | - | 200 |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | LAM059 | 24.7833 | -5726.0000 | 140000 | 188000 | - | - | - | - | 3600 | 3000 | 1500 | - |
| | | -50.4330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | LAM060 | 26.3500 | -5455.0000 | 109000 | 216000 | - | - | - | - | 2600 | 1500 | 1200 | - |
| | | -51.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | LAM061 | 24.9500 | -5960.0000 | 152000 | 170000 | - | - | - | - | 4900 | 4700 | 2000 | - |
| | | -51.7500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | LAM062 | 21.6500 | -4049.0000 | 105000 | 150000 | - | - | 15000 | - | 2300 | 3000 | 900 | - |
| | | -56.1500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | LAM063 | 26.4330 | -5141.0000 | 200000 | 94400 | - | - | - | - | 2400 | 15600 | 4100 | - |
| | | -58.6330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | LAM064 | 28.6330 | -5319.0000 | 160000 | 172000 | - | - | - | - | 3100 | 4100 | 1900 | - |
| | | -59.7160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | MER150 | 29.2830 | -5840.0000 | 162000 | 159000 | 43394 | 63098 | 4100 | 6500 | 5400 | 4900 | 2800 | 670 |
| | | -57.3830 | | 960 | 5100 | - | 770 | 310 | - | - | - | - | - |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 78 | MURR03 | 20.6500 | -4450.0000 | 206148 | 252343 | 15611 | 32951 | 12545 | - | - | - | - | - |
| | | -50.5500 | | - | - | - | - | - | - | - | 12454 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | WILL03 | 29.3000 | -5781.0000 | - | 175000 | - | 82000 | - | 4800 | 3000 | 3600 | 2000 | - |
| | | -57.3330 | | - | - | - | - | 470 | - | - | 17000 | 550 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 78 | WILL06 | 29.2830 | -5834.0000 | - | 184000 | - | 77000 | - | 5900 | 3700 | 4800 | 1700 | - |
| | | -57.3830 | | - | - | - | - | 550 | - | - | 24000 | 660 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | LAM058 | 23.7660 | -3155.0000 | 104000 | 190000 | - | - | - | - | 3800 | 1800 | 1200 | - |
| | | -46.6160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 75 | MURR01 | 25.7500 | -3620.0000 | 180274 | 230102 | 18521 | 28043 | 19773 | - | - | - | - | - |
| | | -20.2000 | | 1797 | - | - | - | - | - | - | 4956 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 75 | MURR02 | 25.7500 | -3620.0000 | 160306 | 289481 | 11906 | 31128 | 28726 | - | - | - | - | - |
| | | -20.2000 | | 679 | - | - | - | - | - | - | 5438 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 68 | GTC 01 | 12.7330 | -1280.0000 | 177000 | 16600 | - | 44402 | - | 4300 | 4600 | 3700 | 220 | 460 |
| | | 47.3660 | | - | - | - | - | 660 | - | - | - | 900 | 27 |
| | | | | - | - | - | 1300 | - | - | - | - | 480 | - |
| 68 | GTC 02 | 12.5500 | -2550.0000 | 370000 | 13000 | - | 44402 | - | 890 | 250 | 11200 | 440 | 2300 |
| | | 47.6500 | | - | - | - | - | 910 | - | - | - | 460 | 20 |
| | | | | - | - | - | 50 | - | - | - | - | 61 | - |
| 68 | GTC 03 | 12.5500 | -2550.0000 | 264000 | 12000 | - | 65435 | - | 1200 | 140 | 3800 | 190 | 730 |
| | | 47.6500 | | - | - | - | - | 620 | - | - | - | 390 | 58 |
| | | | | - | - | - | 50 | - | - | - | - | 61 | - |
| 68 | GTC 04 | 12.5500 | -2550.0000 | 322000 | 13000 | - | 32717 | - | 730 | 380 | 4300 | 270 | 1100 |
| | | 47.6500 | | - | - | - | - | 490 | - | - | - | 440 | 29 |
| | | | | - | - | - | 50 | - | - | - | - | 57 | - |
| 68 | GTC 05 | 12.5500 | -2550.0000 | 336000 | 15000 | - | 38794 | - | 710 | 170 | 2900 | 250 | 780 |
| | | 47.6500 | | - | - | - | - | 490 | - | - | - | 340 | 28 |
| | | | | - | - | - | 50 | - | - | - | - | 20 | - |
| 60 | MER036 | 13.6200 | -5180.0000 | 149000 | 184000 | 30164 | 65435 | 13700 | 8700 | 2900 | 2200 | 1700 | 480 |
| | | 126.4500 | | 1640 | 3800 | - | 1100 | 370 | - | - | - | - | - |
| | | | | - | - | - | 1800 | - | - | - | - | - | - |
| 59 | SAN 08 | 13.3200 | -3806.0000 | 125878 | 16365 | - | - | - | - | 2595 | 1964 | 958 | - |
| | | 138.8490 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | SKOR17 | 15.5315<br>134.4960 | -3590.0000 | 141671<br>-<br>- | 194432<br>6309<br>- | 21644<br>-<br>- | 63472<br>-<br>- | 15794<br>-<br>- | 7433<br>-<br>- | -<br>-<br>- | 3928<br>10795<br>- | -<br>-<br>- | -<br>-<br>- |
| 58 | SKOR03 | 17.0030<br>141.7200 | -4620.0000 | 50568<br>2096<br>- | 189956<br>-<br>- | 45193<br>-<br>- | 124375<br>-<br>- | 21941<br>-<br>- | 9412<br>-<br>- | 786<br>-<br>- | 471<br>603<br>- | -<br>-<br>- | -<br>-<br>- |
| 57 | BARN34 | 15.5000<br>150.1670 | - - | 272000<br>-<br>- | 184000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3500<br>-<br>- | 4200<br>-<br>- | 2000<br>-<br>- | -<br>-<br>- |
| 57 | LAMO39 | 18.0830<br>152.9500 | -5218.0000 | 148000<br>-<br>- | 150000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3400<br>-<br>- | 5000<br>-<br>- | 3200<br>-<br>- | -<br>-<br>- |
| 57 | SAN 31 | 13.4470<br>159.9600 | -5638.0000 | 185209<br>2009<br>- | 123304<br>6558<br>- | 32387<br>-<br>- | 51320<br>-<br>- | 12149<br>-<br>- | 4136<br>-<br>- | 2831<br>-<br>- | 5579<br>16283<br>- | 3035<br>-<br>- | -<br>-<br>- |
| 56 | BARN29 | 12.0000<br>165.0000 | - - | 384000<br>-<br>- | 160000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 8400<br>-<br>- | -<br>-<br>- | 1100<br>-<br>- | -<br>-<br>- |
| 56 | BARN30 | 12.0000<br>165.0000 | - - | 455000<br>-<br>- | 130000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 7900<br>-<br>- | -<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 56 | BARN31 | 12.0000<br>165.0000 | - - | 433000<br>-<br>- | 131000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 11200<br>-<br>- | 10200<br>-<br>- | 1400<br>-<br>- | -<br>-<br>- |
| 56 | BARN32 | 12.0000<br>165.0000 | - - | 342000<br>-<br>- | 78500<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 2600<br>-<br>- | 10400<br>-<br>- | 900<br>-<br>- | -<br>-<br>- |
| 56 | BARN33 | 12.0000<br>165.0000 | - - | 503000<br>-<br>- | 158000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 15000<br>-<br>- | -<br>-<br>- | 900<br>-<br>- | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | CRON87 | 13.0000 | -1830.0000 | 194000 | 135300 | - | - | - | 13480 | 15970 | 5180 | 440 | - |
| | | 165.0000 | | - | - | - | - | 470 | - | - | - | 440 | 2 |
| | | | | - | - | - | 2480 | - | - | - | - | - | - |
| 56 | DICH19 | 11.9500 | -1370.0000 | 185800 | 172000 | - | - | - | - | 800 | 3700 | - | - |
| | | 164.7660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | DICH20 | 11.9500 | -1370.0000 | 152200 | 156400 | - | - | - | - | 3200 | 3900 | - | - |
| | | 164.7660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | DICH21 | 11.9500 | -1370.0000 | 176200 | 145000 | - | - | - | - | 2400 | 3800 | - | - |
| | | 164.7660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | GOLD07 | 12.0000 | -4600.0000 | 186000 | 172000 | 0 | - | - | 0 | 800 | 3700 | 5100 | - |
| | | 165.0000 | | 2300 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 0 | - |
| 56 | GOLD08 | 12.0000 | -4600.0000 | 152000 | 156000 | 0 | - | - | 0 | 3200 | 3900 | 7100 | - |
| | | 165.0000 | | 3900 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 0 | - |
| 56 | GOLD09 | 12.0000 | -4600.0000 | 176000 | 145000 | 0 | - | - | 0 | 2400 | 3800 | 6800 | - |
| | | 165.0000 | | 2600 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 0 | - |
| 56 | GOLD28 | 12.0000 | -1880.0000 | 242000 | 158000 | 2900 | - | - | 11800 | 4000 | 6600 | 5100 | - |
| | | 165.0000 | | 4200 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 82 | - |
| 56 | GOLD29 | 12.0000 | -1880.0000 | 232000 | 159000 | 2900 | - | - | 11800 | 7100 | 5600 | 4400 | - |
| | | 165.0000 | | 4600 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 82 | - |
| 56 | GOLD30 | 12.0000 | -1880.0000 | 235000 | 151000 | 2900 | - | - | 11800 | 7100 | 6200 | 4700 | - |
| | | 165.0000 | | 3600 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 82 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | MER037 | 11.9500 | -1500.0000 | 195000 | 115000 | 4762 | 16826 | 16000 | 11000 | 10500 | 4200 | 1100 | - |
| | | 164.9800 | | - | 2000 | - | 1100 | 390 | - | - | - | - | - |
| | | | | - | - | - | 1500 | - | - | - | - | - | - |
| 56 | SCR127 | 12.0000 | - - | 259000 | 210000 | - | - | - | - | 11000 | 6000 | 1700 | - |
| | | 165.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | SCR128 | 12.0000 | - - | 195000 | 115000 | - | - | - | - | 10500 | 4200 | 1100 | - |
| | | 165.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | SCR129 | 12.0000 | - - | 240000 | 105000 | - | - | - | - | 3400 | 7500 | 900 | - |
| | | 165.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | SCR130 | 12.0000 | - - | 291000 | 182000 | - | - | - | - | 18000 | 6500 | 800 | - |
| | | 165.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | SCR131 | 12.0000 | - - | 297000 | 189000 | - | - | - | - | 13000 | 6300 | 1800 | - |
| | | 165.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 56 | STSH57 | 19.1000 | -1740.0000 | 207000 | 145000 | - | - | - | 11300 | 9500 | 4200 | 1000 | 620 |
| | | 169.7500 | | - | - | - | 1500 | 600 | - | - | - | - | - |
| | | | | - | - | - | 2400 | - | - | - | - | - | - |
| 55 | CRON53 | 11.5000 | -5520.0000 | 178600 | 105000 | - | - | - | 4440 | 3880 | 14100 | 8880 | - |
| | | 177.8000 | | - | - | - | - | 460 | - | - | - | 370 | 16 |
| | | | | - | - | - | 80 | - | - | - | - | - | - |
| 55 | LAMU37 | 16.1330 | -5330.0000 | 168000 | 158000 | - | - | - | - | 1600 | 2800 | 3500 | - |
| | | 179.7330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 55 | SAN 07 | 12.3400 | -4300.0000 | 168590 | 123513 | - | - | - | - | 4089 | 5500 | 958 | - |
| | | 173.1100 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | BARN26 | 19.4170<br>-171.0000 | - - | 274000<br>-<br>- | 162000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 6100<br>-<br>- | 9000<br>-<br>- | 1400<br>-<br>- | -<br>-<br>- |
| 54 | BARN27 | 17.8500<br>-174.3700 | - - | 359000<br>-<br>- | 159000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 7000<br>-<br>- | 5600<br>-<br>- | 500<br>-<br>- | -<br>-<br>- |
| 54 | BARN28 | 17.1170<br>-177.2000 | - - | 354000<br>-<br>- | 159000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 7400<br>-<br>- | 6600<br>-<br>- | 900<br>-<br>- | -<br>-<br>- |
| 54 | CRUN73 | 10.3833<br>-170.9500 | -4469.0000 | 170100<br>-<br>- | 145400<br>-<br>- | -<br>-<br>- | -<br>-<br>55 | -<br>390<br>- | 11100<br>-<br>- | 6920<br>-<br>- | 7700<br>-<br>- | 6310<br>490<br>- | -<br>2<br>- |
| 54 | CRUN74 | 10.3833<br>-170.9500 | -4469.0000 | 191800<br>-<br>- | 119800<br>-<br>- | -<br>-<br>- | -<br>-<br>920 | -<br>320<br>- | 6980<br>-<br>- | 4580<br>-<br>- | 6200<br>-<br>- | 7190<br>370<br>- | -<br>5<br>- |
| 54 | CRUN75 | 10.3833<br>-170.9500 | -4469.0000 | 199700<br>-<br>- | 162400<br>-<br>- | -<br>-<br>- | -<br>-<br>530 | -<br>350<br>- | 9940<br>-<br>- | 8770<br>-<br>- | 9360<br>-<br>- | 6900<br>530<br>- | -<br>2<br>- |
| 54 | CRUN76 | 10.3333<br>-172.1000 | -5106.0000 | 206300<br>-<br>- | 137200<br>-<br>- | -<br>-<br>- | -<br>-<br>310 | -<br>320<br>- | 9440<br>-<br>- | 4330<br>-<br>- | 4040<br>-<br>- | 2410<br>380<br>- | -<br>2<br>- |
| 54 | CRUN77 | 11.3833<br>-172.7840 | -5380.0000 | 171200<br>-<br>- | 148000<br>-<br>- | -<br>-<br>- | -<br>-<br>470 | -<br>440<br>- | 5980<br>-<br>- | 4300<br>-<br>- | 4890<br>-<br>- | 2700<br>390<br>- | -<br>8<br>- |
| 54 | CRUN78 | 11.5170<br>-172.8166 | -4837.0000 | 122000<br>-<br>- | 131400<br>-<br>- | -<br>-<br>- | -<br>-<br>280 | -<br>190<br>- | 6720<br>-<br>- | 3580<br>-<br>- | 5520<br>-<br>- | 4930<br>310<br>- | -<br>6<br>- |
| 54 | CRUN79 | 12.2670<br>-172.8000 | -2708.0000 | 130200<br>-<br>- | 160300<br>-<br>- | -<br>-<br>- | -<br>-<br>820 | -<br>390<br>- | 12590<br>-<br>- | 8960<br>-<br>- | 3100<br>-<br>- | 500<br>750<br>- | -<br>4<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | CRON80 | 12.5170<br>-175.8500 | -5464.0000 | 158500<br>-<br>- | 128800<br>-<br>- | -<br>-<br>- | -<br>-<br>53 | -<br>360<br>- | 13800<br>-<br>- | 7210<br>-<br>- | 5320<br>-<br>- | 4330<br>540<br>- | -<br>4<br>- |
| 54 | CRON84 | 19.0000<br>-171.0000 | -1464.0000 | 122800<br>-<br>- | 116800<br>-<br>- | -<br>-<br>- | -<br>-<br>730 | -<br>480<br>- | 15380<br>-<br>- | 11720<br>-<br>- | 4730<br>-<br>- | 590<br>710<br>- | -<br>28<br>- |
| 54 | CRON85 | 17.8340<br>-174.2500 | -1696.0000 | 111300<br>-<br>- | 144900<br>-<br>- | -<br>-<br>- | -<br>-<br>1910 | -<br>280<br>- | 8200<br>-<br>- | 8850<br>-<br>- | 2260<br>-<br>- | 750<br>440<br>- | -<br>11<br>- |
| 54 | CRON86 | 17.1670<br>-177.1670 | -2016.0000 | 149700<br>-<br>- | 132700<br>-<br>- | -<br>-<br>- | -<br>-<br>1770 | -<br>370<br>- | 8710<br>-<br>- | 8840<br>-<br>- | 3390<br>-<br>- | 920<br>560<br>- | -<br>36<br>- |
| 54 | CRTH10 | 12.5170<br>-172.8500 | - - | 158500<br>-<br>- | 128800<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 7210<br>-<br>- | 5320<br>-<br>- | 4330<br>-<br>- | -<br>-<br>- |
| 54 | DICH06 | 19.4160<br>-171.0000 | -1355.0000 | 222000<br>-<br>- | 132000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 8000<br>-<br>- | 5200<br>-<br>- | -<br>-<br>- | -<br>-<br>- |
| 54 | DICH13 | 17.6660<br>-177.2500 | -1830.0000 | 214000<br>-<br>- | 128600<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 6100<br>-<br>- | 6000<br>-<br>- | -<br>-<br>- | -<br>-<br>- |
| 54 | DICH14 | 17.6660<br>-177.2500 | -1830.0000 | 225800<br>-<br>- | 126000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 6400<br>-<br>- | 6500<br>-<br>- | -<br>-<br>- | -<br>-<br>- |
| 54 | DICH15 | 17.6660<br>-177.2500 | -1830.0000 | 191100<br>-<br>- | 147100<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 3800<br>-<br>- | 4800<br>-<br>- | -<br>-<br>- | -<br>-<br>- |
| 54 | GOLD10 | 19.3830<br>-171.0000 | -1410.0000 | 192000<br>7000<br>- | 182000<br>-<br>- | 2700<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 12500<br>-<br>- | 5100<br>-<br>- | 3600<br>-<br>- | 1700<br>-<br>57 | -<br>-<br>- |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | GOLD11 | 19.3830 | -1410.0000 | 170000 | 171000 | 2700 | - | - | 12500 | 5200 | 2900 | 2300 | - |
| | | -171.0000 | | 10300 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 57 | - |
| 54 | GOLD12 | 19.3830 | -1410.0000 | 145000 | 150000 | 2700 | - | - | 12500 | 3600 | 2700 | 1800 | - |
| | | -171.0000 | | 19700 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 57 | - |
| 54 | GOLD22 | 17.6670 | - - | 214000 | 129000 | 3900 | - | - | 8100 | 6100 | 6000 | 4200 | - |
| | | -177.2500 | | 5400 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 56 | - |
| 54 | GOLD23 | 17.6670 | - - | 226000 | 126000 | 3900 | - | - | 8100 | 6400 | 6500 | 5200 | - |
| | | -177.2500 | | 3700 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 56 | - |
| 54 | GOLD24 | 17.6670 | - - | 191000 | 147000 | 3900 | - | - | 8100 | 3800 | 4800 | 4800 | - |
| | | -177.2500 | | 7200 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | 56 | - |
| 54 | HEWF03 | 17.8000 | -1810.0000 | 100000 | 100000 | - | 30000 | 70000 | - | 15000 | 3000 | 1500 | - |
| | | -174.3660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | LAMO35 | 12.9830 | -5546.0000 | 196000 | 136000 | - | - | - | - | 3100 | 5900 | 4600 | - |
| | | -171.0830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | LAMO36 | 12.0160 | -5280.0000 | 173000 | 152000 | - | - | - | - | 1600 | 2000 | 2800 | - |
| | | -175.6160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | MERO38 | 17.0700 | -2000.0000 | 130000 | 107000 | 22226 | 41131 | 84800 | 10000 | 4500 | 4700 | 1900 | 570 |
| | | -177.2500 | | 1380 | 4300 | - | 1700 | 490 | - | - | - | - | - |
| | | | | - | - | - | 1900 | - | - | - | - | - | - |
| 54 | MERO39 | 17.8000 | -2000.0000 | 144000 | 140500 | 17992 | 49544 | 68500 | 8900 | 7000 | 2900 | 720 | 400 |
| | | -174.3700 | | 820 | 3900 | - | 1400 | 430 | - | - | - | - | - |
| | | | | - | - | - | 2000 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | MERD40 | 18.5300 | -3860.0000 | 131000 | 146000 | 22755 | 70577 | 15100 | 11000 | 4200 | 3000 | 1700 | 430 |
| | | -173.3800 | | - | 5200 | - | 1200 | 270 | - | - | - | - | - |
| | | | | - | - | - | 2200 | - | - | - | - | - | - |
| 54 | MERD41 | 19.0500 | -1372.0000 | 227000 | 133000 | 22755 | 26641 | 22400 | 11300 | 9500 | 6000 | 1500 | 620 |
| | | -171.0000 | | 740 | 3800 | - | 1400 | 710 | - | - | - | - | - |
| | | | | - | - | - | 2300 | - | - | - | - | - | - |
| 54 | SAN 04 | 15.7140 | -5670.0000 | 164612 | 149251 | 15505 | 46646 | 18653 | - | 3617 | 1964 | 958 | - |
| | | -174.0500 | | 1747 | - | - | - | - | - | - | 10674 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | SAN 05 | 15.7140 | -2670.0000 | 179478 | 139530 | 10001 | 35288 | 19797 | - | 3853 | 2435 | 1118 | - |
| | | -174.0500 | | 2446 | - | - | - | - | - | - | 9770 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | SAN 06 | 15.7140 | -5670.0000 | 157205 | 135963 | 24078 | 60014 | 19296 | - | 3381 | 2121 | 1357 | - |
| | | -174.0500 | | 2140 | - | - | - | - | - | - | 9106 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | SAN 27 | 12.9650 | -5140.0000 | 222554 | 84067 | 26459 | 45711 | 17653 | 3956 | 4325 | 6286 | 1118 | - |
| | | -176.1100 | | 742 | 7305 | - | - | - | - | - | 12363 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | SCRI26 | 17.8500 | - - | 171000 | 217000 | - | - | - | - | 5600 | 2400 | 280 | - |
| | | -174.3700 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 54 | STSH56 | 19.0500 | -1372.0000 | 227000 | 133000 | - | - | - | 11300 | 9500 | 6000 | 1500 | 620 |
| | | -171.0000 | | - | - | - | 1400 | 710 | - | - | - | - | - |
| | | | | - | - | - | 2300 | - | - | - | - | - | - |
| 53 | BARN22 | 18.7830 | - - | 342000 | 186000 | - | - | - | - | 4000 | 4400 | 1700 | - |
| | | -162.0500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 53 | BARN23 | 19.3830 | - - | 295000 | 201000 | - | - | - | - | 3400 | 3300 | 1600 | - |
| | | -162.1670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | BARN24 | 19.3670 | - - | 262000 | 206000 | - | - | - | - | 2400 | 2200 | 3300 | - |
| | | -162.3170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 53 | BARN25 | 19.1170 | - - | 401000 | 183000 | - | - | - | - | 7100 | 6400 | 1000 | - |
| | | -169.7330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 53 | CRUN69 | 10.5000 | -4341.0000 | 141800 | 163800 | - | - | - | 13800 | 8820 | 6620 | 3180 | - |
| | | -165.5500 | | - | - | - | - | 360 | - | - | - | 540 | 4 |
| | | | | - | - | - | 360 | - | - | - | - | - | - |
| 53 | CRUN70 | 10.5000 | -4347.0000 | 148400 | 141800 | - | - | - | 11200 | 6790 | 5400 | 4160 | - |
| | | -165.5500 | | - | - | - | - | 350 | - | - | - | 470 | 3 |
| | | | | - | - | - | 120 | - | - | - | - | - | - |
| 53 | CRUN71 | 11.0167 | -4835.0000 | 192300 | 170800 | - | - | - | 15260 | 4400 | 6030 | 6460 | - |
| | | -164.9340 | | - | - | - | - | 430 | - | - | - | 500 | 25 |
| | | | | - | - | - | 1310 | - | - | - | - | - | - |
| 53 | CRUN81 | 15.5770 | -5440.0000 | 167000 | 169500 | - | - | - | 12150 | 8440 | 3400 | 1570 | - |
| | | -166.6670 | | - | - | - | - | 430 | - | - | - | 630 | 9 |
| | | | | - | - | - | 720 | - | - | - | - | - | - |
| 53 | CRUN82 | 13.0834 | -5413.0000 | 179400 | 88500 | - | - | - | 6770 | 2680 | 4800 | 6450 | - |
| | | -163.1670 | | - | - | - | - | 400 | - | - | - | 420 | 32 |
| | | | | - | - | - | 290 | - | - | - | - | - | - |
| 53 | CRUN83 | 19.0834 | -1777.0000 | 133800 | 127200 | - | - | - | 11870 | 12830 | 4360 | 740 | - |
| | | -169.7500 | | - | - | - | - | 560 | - | - | - | 570 | 6 |
| | | | | - | - | - | 2570 | - | - | - | - | - | - |
| 53 | HEWE02 | 19.0110 | -1750.0000 | 100000 | 100000 | - | 30000 | 15000 | - | 15000 | 7000 | 1500 | - |
| | | -169.7330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 53 | LAMO33 | 13.8330 | -5460.0000 | 212000 | 102000 | - | - | - | - | 2600 | 8400 | 5800 | - |
| | | -163.5330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | LAM034 | 16.0830 | -5295.0000 | 168000 | 110000 | - | - | - | - | 2900 | 6400 | 4500 | - |
| | | -165.8660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 53 | MER042 | 19.1200 | -1740.0000 | 205000 | 145000 | 10054 | 327179 | 20700 | 11300 | 9500 | 4200 | 1000 | 620 |
| | | -169.7300 | | 310 | 4000 | - | 1500 | 600 | - | - | - | - | - |
| | | | | - | - | - | 2400 | - | - | - | - | - | - |
| 53 | MER043 | 16.1000 | -2400.0000 | 160000 | 172000 | 16934 | 59827 | 20100 | 8400 | 7300 | 2500 | 400 | 530 |
| | | -165.7500 | | - | - | - | 1200 | 250 | - | - | - | - | - |
| | | | | - | - | - | 1900 | - | - | - | - | - | - |
| 53 | MER044 | 13.0800 | -5413.0000 | 185000 | 100000 | 40219 | 88338 | 16400 | 5300 | 3100 | 8600 | 6500 | 840 |
| | | -163.1700 | | - | - | - | 840 | 310 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 53 | MER045 | 14.1800 | -5652.0000 | 233000 | 92000 | 32281 | 56087 | 14900 | 7500 | 3100 | 9800 | 8100 | 1100 |
| | | -161.1300 | | - | 6400 | - | 800 | 530 | - | - | - | - | - |
| | | | | - | - | - | 850 | - | - | - | - | - | - |
| 53 | SCR124 | 10.5000 | - - | 181000 | 128000 | - | - | - | - | 4400 | 4000 | 2200 | - |
| | | -165.5500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 53 | SCR125 | 19.1170 | - - | 246000 | 203000 | - | - | - | - | 14000 | 6300 | 900 | - |
| | | -169.7330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | BARN20 | 19.1000 | - - | 278000 | 202000 | - | - | - | - | 3100 | 3300 | 800 | - |
| | | -158.2330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | BARN21 | 18.3500 | - - | 308000 | 189000 | - | - | - | - | 4700 | 4200 | 400 | - |
| | | -158.4500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | CRON41 | 11.8500 | -5221.0000 | 154400 | 119800 | - | - | - | 6870 | 2610 | 7240 | 4630 | - |
| | | -152.9340 | | - | - | - | - | 500 | - | - | - | 400 | 10 |
| | | | | - | - | - | 370 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P | FE / K | AL / RB | SI / SR | CA / MO | TI / AG | CO / CD | NI / MG | CU / V | ZN / CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | SN | TE | PB | LA | W | GA | GE | ZR | BE |
| 52 | CRUN42 | 11.8500 | -5221.0000 | 165100 | 110500 | - | - | - | 6360 | 4610 | 6120 | 4610 | - |
| | | -152.9340 | | - | - | - | - | 530 | - | - | - | 470 | 5 |
| | | | | - | - | - | 290 | - | - | - | - | - | - |
| 52 | CRUN43 | 11.8500 | -5221.0000 | 168100 | 131800 | - | - | - | 21500 | 4380 | 3600 | 3560 | - |
| | | -152.9340 | | - | - | - | - | 490 | - | - | - | 760 | 7 |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 52 | CRTH09 | 11.8500 | - - | 109600 | 69200 | - | - | - | - | 8000 | 5390 | 5740 | - |
| | | -152.9500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | LAMO31 | 13.7330 | -5218.0000 | 175000 | 42500 | - | - | - | - | 1800 | 6900 | 7500 | - |
| | | -150.0000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | LAMO32 | 10.3660 | -5543.0000 | 196000 | 124000 | - | - | - | - | 2700 | 7400 | 4500 | - |
| | | -157.1330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | LAMO38 | 14.8000 | -5460.0000 | 180000 | 192000 | - | - | 20000 | - | 3700 | 4600 | 2400 | - |
| | | -154.0500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | MURK14 | 14.3166 | -5480.0000 | 204531 | 157848 | 17198 | 132274 | 14270 | - | - | - | - | - |
| | | -152.6166 | | - | - | - | - | - | - | - | 11792 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | SAN 26 | 11.2350 | -5142.0000 | 201575 | 93230 | 23178 | 53003 | 18796 | 5935 | 2595 | 6364 | 3514 | - |
| | | -154.1250 | | 2839 | 8052 | - | - | - | - | - | 7840 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 52 | SKUF01 | 19.9166 | -5643.0000 | 171916 | 143586 | 27677 | 62210 | 17867 | 10551 | 5269 | 3300 | - | - |
| | | -153.9750 | | 1747 | - | - | - | - | - | - | 13630 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | CRUN40 | 11.9160 | -5539.0000 | 194500 | 106100 | - | - | - | 9720 | 1820 | 5240 | 3720 | - |
| | | -144.9000 | | - | - | - | - | 370 | - | - | - | 420 | 3 |
| | | | | - | - | - | 710 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE -------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | LAM024 | 19.4830 | -5574.0000 | 136000 | 90000 | - | - | 8000 | - | 1600 | 6400 | 3600 | - |
| | | -140.0330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | LAM025 | 14.8660 | -4828.0000 | 210000 | 85000 | - | - | 13000 | - | 1800 | 11000 | 7000 | - |
| | | -140.0330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | LAM026 | 15.0500 | -4526.0000 | 206000 | 164000 | - | - | 22000 | - | 2700 | 3800 | 2000 | - |
| | | -142.7660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | LAM027 | 12.3160 | -5550.0000 | 256000 | 54000 | - | - | 15000 | - | 2700 | 12800 | 13600 | - |
| | | -145.1330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | LAM028 | 14.4330 | -4640.0000 | 240000 | 56000 | - | - | 15000 | - | 2700 | 11800 | 10800 | - |
| | | -145.3500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | LAM029 | 14.4160 | -4618.0000 | 134000 | 96000 | - | - | - | - | 2600 | 5200 | 3900 | - |
| | | -145.8660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | LAM030 | 13.1660 | -5603.0000 | 164000 | 9500 | - | - | 18000 | - | 3200 | 11200 | 4000 | - |
| | | -147.7500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | MER046 | 10.9800 | -4978.0000 | 170000 | 64000 | 41277 | 99088 | 12300 | 3600 | 3100 | 12300 | 9600 | 870 |
| | | -142.6200 | | - | - | - | 750 | 290 | - | - | - | - | - |
| | | | | - | - | - | 1000 | - | - | - | - | - | - |
| 51 | SAN 19 | 16.0660 | - - | 206901 | 63925 | 27095 | 106380 | 16581 | - | 1415 | 4793 | 7987 | - |
| | | -143.1000 | | 1135 | - | - | - | - | - | - | 13750 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 51 | SAN 20 | 10.5130 | -4858.0000 | 273784 | 43712 | - | - | - | - | 1966 | 14380 | 12381 | - |
| | | -140.1670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | BARN19 | 10.4330 | - - | 528000 | 39000 | - | - | - | - | 1300 | 22600 | 15000 | - |
| | | -130.6330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 50 | CRUN28 | 15.9000 | -4606.0000 | 205200 | 135700 | - | - | - | 12600 | 3250 | 6640 | 1980 | - |
| | | -133.9340 | | - | - | - | - | 460 | - | - | - | 400 | 5 |
| | | | | - | - | - | 1300 | - | - | - | - | - | - |
| 50 | CRUN29 | 18.2670 | -5210.0000 | 242600 | 95800 | - | - | - | 4770 | 2190 | 10920 | 7450 | - |
| | | -131.7666 | | - | - | - | - | 520 | - | - | - | 310 | 7 |
| | | | | - | - | - | 940 | - | - | - | - | - | - |
| 50 | CRTH08 | 14.9170 | - - | 211700 | 106400 | - | - | - | - | 2950 | 10600 | 6810 | - |
| | | -133.4830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 50 | LAMD21 | 11.4000 | -4843.0000 | 285000 | 5000 | - | - | 7000 | - | 2400 | 13400 | 13200 | - |
| | | -132.1130 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 50 | LAMD22 | 10.7500 | -4770.0000 | 208000 | 74000 | - | - | 15000 | - | 3000 | 13600 | 6800 | - |
| | | -139.4000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 50 | LAMD23 | 11.0160 | -4877.0000 | 305000 | 60000 | - | - | 14000 | - | 3200 | 16200 | 11000 | - |
| | | -139.9660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 50 | MERD47 | 13.1200 | -4927.0000 | 250000 | 51000 | 26989 | 63098 | 13900 | 3100 | 3300 | 15000 | 13100 | 1200 |
| | | -138.9300 | | - | - | - | 630 | 380 | - | - | - | - | - |
| | | | | - | - | - | 900 | - | - | - | - | - | - |
| 50 | MERD48 | 13.1200 | -4927.0000 | 236000 | 79000 | 20109 | 51413 | 15700 | 4800 | 3400 | 9800 | 8600 | 1000 |
| | | -138.9300 | | - | - | - | 800 | 470 | - | - | - | - | - |
| | | | | - | - | - | 1000 | - | - | - | - | - | - |
| 50 | MERD49 | 16.2500 | -4553.0000 | 100000 | 89000 | 28047 | 137415 | 8000 | 8000 | 2000 | 4600 | 4000 | 400 |
| | | -137.1000 | | - | 20000 | - | 700 | 150 | - | - | - | - | - |
| | | | | - | - | - | 1100 | - | - | - | - | - | - |

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CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZK | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | MERD5C | 14.3700 | -4816.0000 | 229000 | 92000 | 28576 | 70109 | 13600 | 900 | 4500 | 10500 | 7800 | 1100 |
| | | -133.1200 | | - | 7700 | - | 790 | 370 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 50 | MERD68 | 10.4330 | -4890.0000 | 227000 | 76000 | 33339 | 73381 | 14600 | 4100 | 2600 | 12500 | 12100 | 1100 |
| | | -130.6330 | | 520 | 8600 | - | 730 | 590 | - | - | - | - | - |
| | | | | - | - | - | 750 | - | - | - | - | - | - |
| 50 | MGH 22 | 16.2500 | -4553.0000 | 265000 | 98000 | 39000 | 84000 | 17000 | 3100 | 1100 | 16000 | 7200 | 400 |
| | | -137.1000 | | - | 4000 | - | 510 | 640 | - | - | 20000 | 480 | 8 |
| | | | | 130 | - | - | 520 | - | - | - | - | 380 | - |
| 50 | MGH 33 | 10.4330 | -4890.0000 | 316000 | 59000 | 26000 | 75000 | 18000 | 3700 | 1700 | 17000 | 14000 | 500 |
| | | -130.6330 | | - | 7000 | - | 530 | 900 | - | - | 17000 | 460 | 8 |
| | | | | 86 | - | - | 440 | - | - | 15 | - | 380 | - |
| 50 | SCRI22 | 14.6500 | - - | 7500 | 46000 | - | - | - | - | 100 | 350 | 5500 | - |
| | | -135.0670 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 50 | SCRI23 | 16.2500 | - - | 100000 | 89000 | - | - | - | - | 2000 | 4600 | 4000 | - |
| | | -137.1000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | CRON25 | 15.0666 | -4500.0000 | 231900 | 59500 | - | - | - | 3590 | 2320 | 19110 | 12360 | - |
| | | -125.0834 | | - | - | - | - | 460 | - | - | - | 460 | 13 |
| | | | | - | - | - | 300 | - | - | - | - | - | - |
| 49 | LAMD18 | 12.2660 | -4471.0000 | 315000 | 50800 | - | - | 13000 | - | 1600 | 16800 | 14000 | - |
| | | -120.1660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | LAMD19 | 16.5830 | -4369.0000 | 220000 | 86000 | - | - | - | - | 3000 | 11600 | 7200 | - |
| | | -125.5830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | LAMD20 | 10.6160 | -4636.0000 | 296000 | 39000 | - | - | 14000 | - | 2200 | 12800 | 11000 | - |
| | | -128.9000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | MER051 | 16.0000 | -4354.0000 | 238000 | 73000 | 33868 | 74316 | 13900 | 4400 | 2700 | 12200 | 10500 | 1400 |
| | | -125.0170 | | - | 8800 | - | 780 | 490 | - | - | - | - | - |
| | | | | - | - | - | 820 | - | - | - | - | - | - |
| 49 | MER052 | 14.9170 | -4270.0000 | 224000 | 76000 | 32281 | 75251 | 11900 | 3300 | 3900 | 11500 | 12500 | 1100 |
| | | -124.2000 | | - | 8200 | - | 740 | 520 | - | - | - | - | - |
| | | | | - | - | - | 1100 | - | - | - | - | - | - |
| 49 | MER053 | 19.0000 | -4138.0000 | 224000 | 95000 | 30693 | 68707 | 13400 | 5200 | 4000 | 11600 | 8700 | 1000 |
| | | -121.8830 | | - | 7400 | - | 900 | 520 | - | - | - | - | - |
| | | | | - | - | - | 1400 | - | - | - | - | - | - |
| 49 | MER054 | 19.8170 | -4320.0000 | 214000 | 96000 | 37573 | 78523 | 12700 | 5900 | 3600 | 10900 | 7600 | 860 |
| | | -121.7330 | | 890 | 10400 | - | 920 | 460 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 49 | MER069 | 13.0500 | -4440.0000 | 222000 | 63000 | 39689 | 97219 | 11800 | 3800 | 3200 | 10600 | 10600 | 880 |
| | | -125.4830 | | - | 9800 | - | 560 | 410 | - | - | - | - | - |
| | | | | - | - | - | 780 | - | - | - | - | - | - |
| 49 | MER070 | 15.0000 | -4380.0000 | 222000 | 97000 | 28047 | 58892 | 14200 | 7400 | 3800 | 10000 | 8200 | 810 |
| | | -125.4330 | | - | 6900 | - | 960 | 540 | - | - | - | - | - |
| | | | | - | - | - | 1700 | - | - | - | - | - | - |
| 49 | MER162 | 15.0000 | - - | 240000 | 83000 | - | - | - | - | 3400 | 12300 | 9500 | - |
| | | -125.4330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | MER163 | 10.3080 | - - | 189000 | 100000 | - | - | - | - | 3600 | 10600 | 10600 | - |
| | | -125.4530 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | MGH 28 | 16.0330 | -4350.0000 | 329000 | 70000 | 30000 | 70000 | 14000 | 3700 | 2500 | 17000 | 12000 | 400 |
| | | -125.0170 | | - | 8000 | - | 510 | 900 | - | - | 19000 | 700 | 10 |
| | | | | 40 | - | - | 620 | - | - | 7 | - | 410 | - |
| 49 | MGH 29 | 13.0500 | -4440.0000 | 278000 | 24000 | 46000 | 112000 | 9000 | 2900 | 1000 | 9000 | 10000 | 400 |
| | | -125.4830 | | - | 14000 | - | 990 | 380 | - | - | 20000 | 600 | 12 |
| | | | | 60 | - | - | 280 | - | - | 30 | - | 240 | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE --------- | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | SAN 13 | 19.7670 | -4165.0000 | 185398 | 104000 | 36408 | 80299 | 17295 | 7014 | - | 4714 | 4712 | - |
| | | -120.2900 | | - | 10294 | - | - | - | - | - | 17369 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | SCRI02 | 15.0000 | -4380.0000 | 240000 | 83000 | - | 54000 | 15000 | - | 3400 | 12300 | 9500 | - |
| | | -125.4330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | SCRI03 | 10.3160 | -4345.0000 | 189000 | 100000 | - | 81000 | 18000 | - | 3600 | 10600 | 10600 | - |
| | | -125.4500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 49 | SKOR14 | 19.9666 | -4370.0000 | 235107 | 82878 | 27994 | 65669 | 17581 | 3477 | 4404 | 9429 | - | - |
| | | -121.9670 | | 1572 | - | - | - | - | - | - | 19480 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 48 | CRON32 | 14.4340 | -4125.0000 | 268400 | 103000 | - | - | - | 3430 | 830 | 18900 | 10640 | - |
| | | -117.2000 | | - | - | - | - | 800 | - | - | - | 400 | 9 |
| | | | | - | - | - | 360 | - | - | - | - | - | - |
| 48 | LAMO17 | 19.8660 | -4226.0000 | 227000 | 95000 | - | - | - | - | 3600 | 13000 | 7600 | - |
| | | -119.8830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 48 | MERO55 | 19.7670 | -3438.0000 | 212000 | 120000 | 25401 | 59359 | 15000 | 4800 | 2200 | 9300 | 6100 | 830 |
| | | -114.7330 | | - | 6000 | - | 1000 | 470 | - | - | - | - | - |
| | | | | - | - | - | 980 | - | - | - | - | - | - |
| 48 | MERO56 | 19.3330 | -3480.0000 | 226000 | 102000 | 26459 | 61229 | 14400 | 3600 | 2300 | 10900 | 7100 | 1100 |
| | | -114.2000 | | - | 6500 | - | 840 | 410 | - | - | - | - | - |
| | | | | - | - | - | 530 | - | - | - | - | - | - |
| 48 | MERO57 | 11.4170 | -4085.0000 | 232000 | 115000 | 19051 | 42065 | 17900 | 6600 | 2100 | 10100 | 6600 | 860 |
| | | -113.8000 | | - | 4800 | - | 1100 | 610 | - | - | - | - | - |
| | | | | - | - | - | 1200 | - | - | - | - | - | - |
| 47 | BARN18 | 10.6500 | - - | 314000 | 125000 | - | - | - | - | 1000 | 8000 | 6600 | - |
| | | -108.7500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | MER058 | 10.8830<br>-105.1160 | -3275.0000 | 34000<br>-<br>- | 155000<br>6500<br>- | 66149<br>-<br>- | 133208<br>1700<br>900 | 29700<br>60<br>- | 1400<br>-<br>- | 300<br>-<br>- | 360<br>-<br>- | 780<br>-<br>- | 190<br>-<br>- |
| 47 | MER059 | 11.6330<br>-103.8000 | -3500.0000 | 17000<br>-<br>- | 63000<br>6500<br>- | 36514<br>-<br>- | 111241<br>1200<br>820 | 126000<br>180<br>- | 2200<br>-<br>- | 130<br>-<br>- | 450<br>-<br>- | 760<br>-<br>- | 570<br>-<br>- |
| 46 | LAM078 | 10.6160<br>-91.3160 | -3819.0000 | 3200<br>-<br>- | 13600<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 288000<br>-<br>- | -<br>-<br>- | 100<br>-<br>- | 100<br>-<br>- | 100<br>-<br>- | -<br>-<br>- |
| 40 | LAM057 | 17.9000<br>-31.9500 | -4868.0000 | 152000<br>-<br>- | 238000<br>-<br>- | -<br>-<br>- | -<br>-<br>- | 15000<br>-<br>- | -<br>-<br>- | 3000<br>-<br>- | 1700<br>-<br>- | 1200<br>-<br>- | -<br>-<br>- |
| 31 | CRO704 | 2.7660<br>59.8670 | -1900.0000 | 143600<br>-<br>- | 143600<br>-<br>- | -<br>-<br>- | 26000<br>-<br>210 | -<br>350<br>- | 7550<br>-<br>- | 4870<br>-<br>- | 2510<br>-<br>- | 280<br>-<br>- | -<br>4<br>- |
| 31 | CRO705 | 2.7660<br>59.8670 | -1900.0000 | 153600<br>-<br>- | 130300<br>-<br>- | -<br>-<br>- | 25000<br>-<br>740 | -<br>570<br>- | 9400<br>-<br>- | 5310<br>-<br>- | 1940<br>-<br>- | 310<br>-<br>- | -<br>4<br>- |
| 31 | CRO706 | 2.7660<br>59.8670 | -1900.0000 | 138200<br>-<br>- | 142100<br>-<br>- | -<br>-<br>- | 23000<br>-<br>290 | -<br>570<br>- | 11100<br>-<br>- | 6550<br>-<br>- | 2680<br>-<br>- | 200<br>-<br>- | -<br>4<br>- |
| 31 | CRO707 | 2.7660<br>59.8670 | -1900.0000 | 155000<br>-<br>- | 206300<br>-<br>- | -<br>-<br>- | 73000<br>-<br>1030 | -<br>350<br>- | 11700<br>-<br>- | 4480<br>-<br>- | 750<br>-<br>- | 360<br>-<br>- | -<br>9<br>- |
| 31 | CRO708 | 2.7850<br>59.8670 | -1780.0000 | 128300<br>-<br>- | 175400<br>-<br>- | -<br>-<br>- | 138000<br>-<br>230 | -<br>320<br>- | 7900<br>-<br>- | 2400<br>-<br>- | 2380<br>-<br>- | 730<br>-<br>- | -<br>22<br>- |
| 31 | CRO709 | 2.7850<br>59.8670 | -1780.0000 | 144500<br>-<br>- | 195100<br>-<br>- | -<br>-<br>- | 135000<br>-<br>410 | -<br>210<br>- | 8240<br>-<br>- | 2490<br>-<br>- | 2270<br>-<br>- | 1340<br>-<br>- | -<br>13<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | CROT10 | 2.7850 | -1780.0000 | 133300 | 180200 | - | 157000 | - | 8050 | 2780 | 2930 | 1610 | - |
| | | 59.8670 | | - | - | - | - | 240 | - | - | - | - | 23 |
| | | | | - | - | - | 240 | - | - | - | - | - | - |
| 31 | CROT11 | 2.7850 | -1780.0000 | 129000 | 173900 | - | 80000 | - | 6700 | 3380 | 3270 | 600 | - |
| | | 59.8670 | | - | - | - | - | 530 | - | - | - | - | 16 |
| | | | | - | - | - | 180 | - | - | - | - | - | - |
| 31 | CROT12 | 2.7850 | -1780.0000 | 125100 | 169100 | - | 139000 | - | 9660 | 3260 | 3760 | 1320 | - |
| | | 59.8670 | | - | - | - | - | 270 | - | - | - | - | 19 |
| | | | | - | - | - | 200 | - | - | - | - | - | - |
| 31 | CROT13 | 2.1330 | - - | 184100 | 163500 | - | 46000 | - | 17600 | 8100 | 4710 | 530 | - |
| | | 57.4100 | | - | - | - | - | 280 | - | - | - | - | 14 |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 31 | CROT14 | 2.7850 | -1780.0000 | 166400 | 176000 | - | 6700 | - | 7360 | 3220 | 3920 | 1330 | - |
| | | 59.8670 | | - | - | - | - | 360 | - | - | - | - | 4 |
| | | | | - | - | - | 560 | - | - | - | - | - | - |
| 31 | CROT15 | 2.7850 | -1780.0000 | 125200 | 143500 | - | 124000 | - | 7590 | 2670 | 3300 | 1820 | - |
| | | 59.8670 | | - | - | - | - | 300 | - | - | - | - | 13 |
| | | | | - | - | - | 250 | - | - | - | - | - | - |
| 31 | CROT16 | 2.7850 | -1780.0000 | 145200 | 179000 | - | 72000 | - | 7190 | 2820 | 3800 | 1330 | - |
| | | 59.8670 | | - | - | - | - | 350 | - | - | - | - | 11 |
| | | | | - | - | - | 240 | - | - | - | - | - | - |
| 31 | CROT17 | 2.7850 | -1780.0000 | 152000 | 182300 | - | 55000 | - | 8940 | 2710 | 3940 | 1530 | - |
| | | 59.8670 | | - | - | - | - | 370 | - | - | - | - | 14 |
| | | | | - | - | - | 640 | - | - | - | - | - | - |
| 31 | CROT18 | 2.7850 | -1780.0000 | 153100 | 182100 | - | 73000 | - | 6590 | 2410 | 3680 | 1380 | - |
| | | 59.8670 | | - | - | - | - | 310 | - | - | - | - | 10 |
| | | | | - | - | - | 850 | - | - | - | - | - | - |
| 31 | CROT19 | 2.7850 | -1780.0000 | 98700 | 135800 | - | 201000 | - | 5640 | 1890 | 1690 | 1440 | - |
| | | 59.8670 | | - | - | - | - | 340 | - | - | - | - | 20 |
| | | | | - | - | - | 280 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | CROT20 | 2.7850<br>59.8670 | -1780.0000 | 116400<br>-<br>- | 132800<br>-<br>- | -<br>-<br>- | 184000<br>-<br>340 | -<br>360<br>- | 5700<br>-<br>- | 1600<br>-<br>- | 1140<br>-<br>- | 1770<br>-<br>- | -<br>20<br>- |
| 31 | CROT21 | 2.7850<br>59.8670 | -1780.0000 | 111900<br>-<br>- | 159100<br>-<br>- | -<br>-<br>- | 161000<br>-<br>430 | -<br>520<br>- | 5990<br>-<br>- | 1760<br>-<br>- | 3350<br>-<br>- | 1600<br>-<br>- | -<br>24<br>- |
| 31 | CROT22 | 2.7850<br>59.8670 | -1780.0000 | 116900<br>-<br>- | 166000<br>-<br>- | -<br>-<br>- | 205000<br>-<br>360 | -<br>310<br>- | 6850<br>-<br>- | 1320<br>-<br>- | 1260<br>-<br>- | 1860<br>-<br>- | -<br>17<br>- |
| 30 | CROT01 | 2.7500<br>60.0340 | -2000.0000 | 199500<br>-<br>- | 95500<br>-<br>- | -<br>-<br>- | 61000<br>-<br>370 | -<br>470<br>- | 3350<br>-<br>- | 1770<br>-<br>- | 11190<br>-<br>- | 1780<br>-<br>- | -<br>5<br>- |
| 30 | CROT02 | 2.7500<br>60.0340 | -2000.0000 | 199900<br>-<br>- | 82500<br>-<br>- | -<br>-<br>- | 36000<br>-<br>220 | -<br>290<br>- | 1870<br>-<br>- | 1500<br>-<br>- | 12700<br>-<br>- | 1490<br>-<br>- | -<br>5<br>- |
| 30 | CROT03 | 2.7500<br>60.0340 | -2000.0000 | 258000<br>-<br>- | 77900<br>-<br>- | -<br>-<br>- | 28000<br>-<br>270 | -<br>500<br>- | 1790<br>-<br>- | 860<br>-<br>- | 14200<br>-<br>- | 2760<br>-<br>- | -<br>6<br>- |
| 30 | CROT23 | 2.7500<br>60.0340 | -2000.0000 | 154900<br>-<br>- | 175000<br>-<br>- | -<br>-<br>- | 98000<br>-<br>330 | -<br>300<br>- | 8960<br>-<br>- | 1610<br>-<br>- | 1860<br>-<br>- | 1110<br>-<br>- | -<br>7<br>- |
| 30 | CROT24 | 2.7500<br>60.0340 | -2000.0000 | 167400<br>-<br>- | 157700<br>-<br>- | -<br>-<br>- | 63000<br>-<br>220 | -<br>430<br>- | 4950<br>-<br>- | 2090<br>-<br>- | 5000<br>-<br>- | 1180<br>-<br>- | -<br>5<br>- |
| 30 | CROT25 | 2.7500<br>60.0340 | -2000.0000 | 166700<br>-<br>- | 157600<br>-<br>- | -<br>-<br>- | 77000<br>-<br>300 | -<br>450<br>- | 6330<br>-<br>- | 2180<br>-<br>- | 6330<br>-<br>- | 1540<br>-<br>- | -<br>7<br>- |
| 30 | CROT26 | 2.7500<br>60.0340 | -2000.0000 | 144600<br>-<br>- | 138700<br>-<br>- | -<br>-<br>- | 145000<br>-<br>150 | -<br>200<br>- | 7070<br>-<br>- | 1630<br>-<br>- | 3630<br>-<br>- | 1480<br>-<br>- | -<br>14<br>- |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | CRDT27 | 2.7500 | -2000.0000 | 155200 | 158900 | - | 114000 | - | 6820 | 1630 | 2680 | 1320 | - |
| | | 60.0340 | | - | - | - | - | 180 | - | - | - | - | 12 |
| | | | | - | - | - | 170 | - | - | - | - | - | - |
| 30 | CRDT28 | 2.7500 | -2000.0000 | 150900 | 180900 | - | 101000 | - | 8440 | 2280 | 2680 | 1330 | - |
| | | 60.0340 | | - | - | - | - | 390 | - | - | - | - | 11 |
| | | | | - | - | - | 160 | - | - | - | - | - | - |
| 30 | CRDT29 | 2.7500 | -2000.0000 | 151200 | 157600 | - | 103000 | - | 7160 | 1860 | 4440 | 1360 | - |
| | | 60.0340 | | - | - | - | - | 640 | - | - | - | - | 9 |
| | | | | - | - | - | 150 | - | - | - | - | - | - |
| 30 | CRD100 | 6.9170 | -4793.0000 | 172500 | 132700 | - | - | - | 2320 | 640 | 8140 | 2640 | - |
| | | 67.1833 | | - | - | - | - | 350 | - | - | - | 510 | 15 |
| | | | | - | - | - | 520 | - | - | - | - | - | - |
| 30 | CRD101 | 5.6010 | -2176.0000 | 138200 | 197800 | - | - | - | 6870 | 4140 | 2820 | 290 | - |
| | | 61.8850 | | - | - | - | - | 420 | - | - | - | 690 | 18 |
| | | | | - | - | - | 610 | - | - | - | - | - | - |
| 30 | CRD102 | 5.5670 | -2531.0000 | 165900 | 224800 | - | - | - | 5000 | 2600 | 2500 | 480 | - |
| | | 61.8500 | | - | - | - | - | 430 | - | - | - | 670 | 16 |
| | | | | - | - | - | 190 | - | - | - | - | - | - |
| 30 | CTM101 | 2.7500 | -3359.0000 | - | 373479 | - | - | 23585 | 5455 | 4168 | - | 1198 | - |
| | | 60.0340 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 30 | CTM102 | 2.7500 | -3359.0000 | 5244 | 195272 | - | - | 22441 | 1558 | 314 | 314 | 239 | - |
| | | 60.0340 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 30 | WILL10 | 6.9170 | -4793.0000 | - | 189000 | - | 83000 | - | 3600 | 2100 | 2300 | 1200 | - |
| | | 67.7830 | | - | - | - | - | 480 | - | - | 12000 | 580 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 30 | WILL11 | 6.9170 | -4793.0000 | - | 177000 | - | 77000 | - | 3600 | 1600 | 7300 | 2700 | - |
| | | 67.7830 | | - | - | - | - | 590 | - | - | 19000 | 600 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | WILL12 | 6.9170 | -4793.0000 | - | 170000 | - | 84000 | - | 4100 | 1700 | 8100 | 3800 | - |
| | | 67.7830 | | - | - | - | - | 570 | - | - | 21000 | 640 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 30 | WILL13 | 6.9170 | -4793.0000 | - | 143000 | - | 95000 | - | 3600 | 1500 | 9500 | 4000 | - |
| | | 67.7830 | | - | - | - | - | 540 | - | - | 22000 | 600 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | NIKO11 | 4.9340 | - - | 264100 | 97000 | - | 74000 | - | - | - | 7500 | - | - |
| | | 135.4830 | | 5000 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | NIKO12 | 4.9340 | - - | 192600 | 122800 | - | 63800 | - | - | - | 7000 | - | - |
| | | 135.4830 | | 4300 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | NIKO13 | 4.9340 | - - | 146200 | 163000 | - | 63400 | - | - | - | 4000 | - | - |
| | | 135.4830 | | 4400 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | NIKO14 | 4.9340 | - - | 264100 | 89300 | - | 54100 | - | - | - | 8500 | - | - |
| | | 135.4830 | | 3700 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | NIKO15 | 4.9340 | - - | 198100 | 138400 | - | 55600 | - | - | - | 6500 | - | - |
| | | 135.4830 | | 3300 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | NIKO16 | 4.9340 | - - | 171300 | 156800 | - | 67700 | - | - | - | 6000 | - | - |
| | | 135.4830 | | 4000 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | SKOR04 | 4.9500 | -4850.0000 | 190889 | 120016 | 26248 | 71558 | 20083 | 4736 | 1966 | 6522 | - | - |
| | | 135.4835 | | 1354 | - | - | - | - | - | - | 13087 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 23 | SKOR05 | 4.9500 | -4850.0000 | 163630 | 148062 | 19527 | 64594 | 15651 | 5695 | 1415 | 4243 | - | - |
| | | 135.4835 | | 2009 | - | - | - | - | - | - | 13147 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | SAN 30 | 7.6580 | -4916.0000 | 145293 | 96307 | 36303 | 88852 | 23799 | 5035 | 1415 | 4479 | 2636 | - |
| | | 161.9300 | | 1834 | 7471 | - | - | - | - | - | 15861 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 19 | LAMU14 | 9.2830 | -5821.0000 | 160000 | 139000 | - | - | - | - | 2900 | 4000 | 3500 | - |
| | | 178.9500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 19 | LAMU15 | 8.3160 | -5097.0000 | 172000 | 108000 | - | - | - | - | 3700 | 10400 | 6000 | - |
| | | 176.4160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 19 | LAMU16 | 1.4660 | -4691.0000 | 146000 | 156000 | - | - | - | - | 2100 | 4200 | 5200 | - |
| | | 174.8660 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | CRUN54 | 8.1200 | -5435.0000 | 157800 | 128100 | - | - | - | 7120 | 2120 | 5450 | 3290 | - |
| | | -177.1666 | | - | - | - | - | 280 | - | - | - | 350 | 14 |
| | | | | - | - | - | 250 | - | - | - | - | - | - |
| 18 | CRUN55 | 7.3166 | -5190.0000 | 178000 | 147800 | - | - | - | 9820 | 4580 | 6940 | 3460 | - |
| | | -175.4766 | | - | - | - | - | 380 | - | - | - | 490 | 2 |
| | | | | - | - | - | 1220 | - | - | - | - | - | - |
| 18 | CRUN56 | 7.3166 | -5190.0000 | 189500 | 128600 | - | - | - | 7870 | 5580 | 8250 | 8020 | - |
| | | -175.4766 | | - | - | - | - | 320 | - | - | - | 460 | 2 |
| | | | | - | - | - | 130 | - | - | - | - | - | - |
| 18 | CRUN57 | 7.3166 | -5190.0000 | 179800 | 170800 | - | - | - | 5300 | 6890 | 7120 | 7940 | - |
| | | -175.4766 | | - | - | - | - | 280 | - | - | - | 370 | 2 |
| | | | | - | - | - | 740 | - | - | - | - | - | - |
| 18 | CRUN58 | 9.8170 | -4875.0000 | 209400 | 130300 | - | - | - | 9920 | 2930 | 6680 | 4330 | - |
| | | -170.9840 | | - | - | - | - | 330 | - | - | - | 360 | 4 |
| | | | | - | - | - | 490 | - | - | - | - | - | - |
| 18 | CRUN59 | 9.8170 | -4875.0000 | 181600 | 133300 | - | - | - | 6850 | 4960 | 8600 | 6930 | - |
| | | -170.9840 | | - | - | - | - | 390 | - | - | - | 390 | 6 |
| | | | | - | - | - | 560 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | CRON61 | 6.3333 | -5097.0000 | 158400 | 154800 | - | - | - | 5360 | 3810 | 2530 | 1780 | - |
| | | -178.5840 | | - | - | - | - | 370 | - | - | - | 520 | 3 |
| | | | | - | - | - | 170 | - | - | - | - | - | - |
| 18 | CRON62 | 0.2500 | -5045.0000 | 171400 | 158500 | - | - | - | 6020 | 1480 | 6530 | 5360 | - |
| | | -179.7170 | | - | - | - | - | 250 | - | - | - | 400 | 6 |
| | | | | - | - | - | 270 | - | - | - | - | - | - |
| 18 | CRON67 | 7.0667 | -5336.0000 | 186200 | 166700 | - | - | - | 9310 | 5110 | 4670 | 2100 | - |
| | | -171.7000 | | - | - | - | - | 450 | - | - | - | 600 | 4 |
| | | | | - | - | - | 230 | - | - | - | - | - | - |
| 18 | CRON68 | 8.1000 | -5444.0000 | 207100 | 89600 | - | - | - | 3970 | 1870 | 10700 | 12230 | - |
| | | -170.4000 | | - | - | - | - | 430 | - | - | - | 300 | 5 |
| | | | | - | - | - | 490 | - | - | - | - | - | - |
| 18 | CRTH07 | 0.2500 | - - | 158500 | 157500 | - | - | - | - | 1750 | 6460 | 5520 | - |
| | | -179.7170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | LAM011 | 8.5500 | -5169.0000 | 252000 | 106000 | - | - | - | - | 2700 | 10700 | 9800 | - |
| | | -170.9830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | LAM012 | 9.7660 | -5760.0000 | 184000 | 88000 | - | - | - | - | 2600 | 9000 | 9000 | - |
| | | -175.6160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | LAM013 | 9.7000 | -5953.0000 | 203000 | 74000 | - | - | - | - | 2100 | 10600 | 18000 | - |
| | | -177.9830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | MER060 | 6.0500 | -5400.0000 | 290000 | 52500 | 31751 | 52816 | 14600 | 2500 | 1600 | 15400 | 19000 | 1600 |
| | | -170.0000 | | - | 5400 | - | 570 | 520 | - | - | - | - | - |
| | | | | - | - | - | 530 | - | - | - | - | - | - |
| 18 | SAN 28 | 5.9750 | -5360.0000 | 256000 | 54203 | - | - | - | - | 1730 | 13515 | 12381 | - |
| | | -176.0730 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | SCRI18 | 9.8170 | - - | 191000 | 105000 | - | - | - | - | 2600 | 6680 | 4100 | - |
| | | -170.9830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | SCRI19 | 9.8170 | - - | 150000 | 102000 | - | - | - | - | 2200 | 6000 | 4400 | - |
| | | -170.9830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | SCRI20 | 3.6170 | - - | 61000 | 113000 | - | - | - | - | 1100 | 3000 | 2700 | - |
| | | -176.3000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 18 | SCRI21 | 8.1250 | - - | 176000 | 100000 | - | - | - | - | 1900 | 5500 | 4400 | - |
| | | -177.2080 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 17 | CRUN50 | 9.9500 | -5280.0000 | 227500 | 94300 | - | - | - | 2850 | 2690 | 10770 | 10920 | - |
| | | -167.8500 | | - | - | - | - | 540 | - | - | - | 370 | 10 |
| | | | | - | - | - | 470 | - | - | - | - | - | - |
| 17 | CRUN51 | 9.3333 | -5240.0000 | 204100 | 95100 | - | - | - | 6530 | 3530 | 11130 | 9790 | - |
| | | -168.8333 | | - | - | - | - | 500 | - | - | - | 430 | 19 |
| | | | | - | - | - | 420 | - | - | - | - | - | - |
| 17 | CRUN52 | 9.0000 | -5170.0000 | 165100 | 167300 | - | - | - | 13880 | 2740 | 3350 | 4980 | - |
| | | -169.0000 | | - | - | - | - | 370 | - | - | - | 610 | 8 |
| | | | | - | - | - | 450 | - | - | - | - | - | - |
| 17 | CRUN72 | 8.5670 | -4397.0000 | 183800 | 120400 | - | - | - | 6860 | 4400 | 5520 | 4470 | - |
| | | -168.8670 | | - | - | - | - | 360 | - | - | - | 370 | 2 |
| | | | | - | - | - | 480 | - | - | - | - | - | - |
| 17 | LAMD10 | 9.6830 | -5222.0000 | 112000 | 66000 | - | - | - | - | 1700 | 5200 | 3700 | - |
| | | -168.7000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 17 | MERO61 | 7.7830 | -4994.0000 | 202000 | 138000 | 17463 | 43935 | 17300 | 12300 | 3900 | 6000 | 4300 | 690 |
| | | -168.0000 | | - | 4100 | - | 1200 | 420 | - | - | - | - | - |
| | | | | - | - | - | 1100 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | SCR117 | 9.1330 | - - | 186000 | 93000 | - | - | - | - | 2300 | 6200 | 3100 | - |
| | | -168.6830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 16 | CRON36 | 9.4500 | -5100.0000 | 54100 | 105000 | - | - | - | 1420 | 1250 | 4090 | 4510 | - |
| | | -150.7000 | | - | - | - | - | 130 | - | - | - | 120 | 34 |
| | | | | - | - | - | 90 | - | - | - | - | - | - |
| 16 | CRON44 | 8.9500 | -4839.0000 | 226100 | 109400 | - | - | - | 10770 | 4090 | 13300 | 7800 | - |
| | | -152.8760 | | - | - | - | - | 650 | - | - | - | 560 | 34 |
| | | | | - | - | - | 820 | - | - | - | - | - | - |
| 16 | CRON45 | 8.9500 | -4839.0000 | 130400 | 126700 | - | - | - | 3670 | 1910 | 5250 | 6900 | - |
| | | -152.8760 | | - | - | - | - | 200 | - | - | - | 260 | 9 |
| | | | | - | - | - | 370 | - | - | - | - | - | - |
| 16 | CRON46 | 8.3333 | -5143.0000 | 248900 | 73100 | - | - | - | 5550 | 2530 | 18550 | 16460 | - |
| | | -153.0000 | | - | - | - | - | 570 | - | - | - | 410 | 17 |
| | | | | - | - | - | 420 | - | - | - | - | - | - |
| 16 | CRON47 | 8.3333 | -5143.0000 | 256300 | 62000 | - | - | - | 3630 | 1380 | 15300 | 15000 | - |
| | | -153.0000 | | - | - | - | - | 280 | - | - | - | 230 | 19 |
| | | | | - | - | - | 320 | - | - | - | - | - | - |
| 16 | CRON48 | 8.3333 | -5143.0000 | 267300 | 65700 | - | - | - | 3090 | 1730 | 16460 | 12040 | - |
| | | -153.0000 | | - | - | - | - | 300 | - | - | - | 310 | 12 |
| | | | | - | - | - | 340 | - | - | - | - | - | - |
| 16 | LAMO76 | 9.7000 | -4803.0000 | 190000 | 134000 | - | - | - | - | 2900 | 8100 | 4400 | - |
| | | -151.4000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 16 | LAMO77 | 4.8160 | -5332.0000 | 210000 | 172000 | - | - | - | - | 3200 | 5900 | 3600 | - |
| | | -152.6160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 16 | SAN 25 | 7.9220 | -5160.0000 | 254465 | 57910 | 31699 | 63519 | 29302 | 4676 | 1258 | 5264 | 15896 | - |
| | | -153.6920 | | 1179 | 8717 | - | - | - | - | - | 19419 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | SCRI14 | 9.3330 | - - | 172000 | 140000 | - | - | - | - | 1700 | 5500 | 4300 | - |
| | | -150.5830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 16 | SCRI15 | 9.4500 | - - | 35000 | 83000 | - | - | - | - | 250 | 2500 | 2000 | - |
| | | -150.7000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 16 | SCRI16 | 3.9670 | - - | 2600 | 12000 | - | - | - | - | 120 | 400 | 700 | - |
| | | -153.0330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 15 | CRON37 | 8.0333 | -5073.0000 | 236300 | 93400 | - | - | - | 7800 | 2570 | 12120 | 9840 | - |
| | | -149.9000 | | - | - | - | - | 680 | - | - | - | 430 | 3 |
| | | | | - | - | - | 1080 | - | - | - | - | - | - |
| 15 | CRON38 | 8.0333 | -5073.0000 | 139600 | 212800 | - | - | - | 13160 | 5060 | 6400 | 9500 | - |
| | | -149.9000 | | - | - | - | - | 180 | - | - | - | 420 | 10 |
| | | | | - | - | - | 1620 | - | - | - | - | - | - |
| 15 | CRON39 | 6.0834 | -5036.0000 | 201100 | 120500 | - | - | - | 5660 | 2020 | 6540 | 4360 | - |
| | | -148.8760 | | - | - | - | - | 280 | - | - | - | 260 | 7 |
| | | | | - | - | - | 200 | - | - | - | - | - | - |
| 15 | LAMU09 | 9.2160 | -5073.0000 | 170000 | 101000 | - | - | - | - | 2800 | 9000 | 6600 | - |
| | | -149.6160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 15 | MER071 | 9.1000 | -5400.0000 | 262000 | 53000 | 26989 | 63566 | 14500 | 3100 | 2600 | 15200 | 12700 | 1200 |
| | | -145.3000 | | - | - | - | 600 | 430 | - | - | - | - | - |
| | | | | - | - | - | 900 | - | - | - | - | - | - |
| 15 | SCRI12 | 8.4170 | - - | 1000 | 16000 | - | - | - | - | - | 100 | 200 | - |
| | | -142.7000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 15 | SCRI13 | 7.2830 | - - | 172000 | 48000 | - | - | - | - | 1100 | 10000 | 10000 | - |
| | | -148.2000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE / LONGITUDE (DG) | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | BARN16 | 9.9500 | - - | 485000 | 33800 | - | - | - | - | 1500 | 24600 | 15400 | - |
| | | -137.7830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 14 | BARN17 | 9.9500 | - - | 315000 | 900 | - | - | - | - | 1200 | 15300 | 9200 | - |
| | | -137.7830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 14 | CRON27 | 8.8000 | -4917.0000 | 245600 | 43600 | - | - | - | 1790 | 1200 | 15150 | 12270 | - |
| | | -130.8000 | | - | - | - | - | 360 | - | - | - | 430 | 9 |
| | | | | - | - | - | 97 | - | - | - | - | - | - |
| 14 | CRON30 | 6.1200 | -4600.0000 | 143000 | 173600 | - | - | - | 8470 | 3930 | 7550 | 4080 | - |
| | | -136.1834 | | - | - | - | - | 630 | - | - | - | 770 | 9 |
| | | | | - | - | - | 50 | - | - | - | - | - | - |
| 14 | CRON49 | 9.9500 | -4930.0000 | 234600 | 54100 | - | - | - | 3180 | 1350 | 19300 | 15900 | - |
| | | -137.7840 | | - | - | - | - | 720 | - | - | - | 430 | 15 |
| | | | | - | - | - | 430 | - | - | - | - | - | - |
| 14 | HEWE01 | 9.9500 | -4930.0000 | 100000 | 70000 | - | 70000 | 30000 | - | 3000 | 15000 | 15000 | - |
| | | -137.7830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 14 | LAMU05 | 9.8330 | -4823.0000 | 218000 | 58000 | - | - | - | - | 2700 | 12000 | 9400 | - |
| | | -136.3830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 14 | LAMU06 | 8.9830 | -4660.0000 | 25000 | 82000 | - | - | - | - | 500 | 1100 | 1100 | - |
| | | -137.6830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 14 | LAMU07 | 8.7830 | -5086.0000 | 168000 | 67000 | - | - | - | - | 2600 | 9400 | 9800 | - |
| | | -139.6830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 14 | LAMU08 | 8.7830 | -5086.0000 | 60000 | 116000 | - | - | 14000 | - | 2000 | 12800 | 13200 | - |
| | | -139.8830 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | MER063 | 9.9500 | -4930.0000 | 298000 | 48000 | 30164 | 60761 | 14700 | 4400 | 2000 | 13600 | 12000 | 1200 |
| | | -137.7830 | | 520 | 7900 | - | 700 | 540 | - | - | - | - | - |
| | | | | - | - | - | 550 | - | - | - | - | - | - |
| 14 | MGH 01 | 9.9500 | -4930.0000 | 320000 | 53000 | 27000 | 75000 | 18000 | 4300 | 1800 | 12000 | 14000 | 400 |
| | | -137.7830 | | - | 11000 | - | 590 | 700 | - | - | 17000 | 4200 | 6 |
| | | | | 110 | - | - | 510 | - | - | 7 | - | 350 | - |
| 14 | W-A 13 | 9.9500 | -4920.0000 | 381000 | 44300 | - | - | 16600 | - | 2500 | 17000 | 12100 | 1409 |
| | | -137.7830 | | - | - | - | - | - | - | 21 | - | - | - |
| | | | | - | 1 | - | 512 | - | - | - | - | - | - |
| 14 | WILL09 | 9.9500 | -4919.0000 | - | 62000 | - | 62000 | - | 14000 | 2600 | 16000 | 17000 | - |
| | | -137.7830 | | - | - | - | - | 1100 | - | - | 27000 | 520 | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 13 | LAM002 | 8.5000 | -3389.0000 | 200000 | - | - | - | - | - | 2500 | 7400 | 1000 | - |
| | | -120.1330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 13 | LAM003 | 6.7660 | -4508.0000 | 264000 | 48000 | - | - | - | - | 800 | 12600 | 10800 | - |
| | | -122.9500 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 13 | LAM004 | 7.3000 | -4610.0000 | 300000 | - | - | - | - | - | 1400 | 13300 | 12700 | - |
| | | -125.3330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 13 | LAM075 | 7.0160 | -4574.0000 | 316000 | 80000 | - | - | - | - | 3600 | 14200 | 13000 | - |
| | | -128.4160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 13 | MER064 | 7.6830 | -4416.0000 | 93000 | 92000 | 46040 | 143491 | 7200 | 1800 | 900 | 4000 | 5500 | 930 |
| | | -125.6170 | | - | 20500 | - | 550 | 430 | - | - | - | - | - |
| | | | | - | - | - | 800 | - | - | - | - | - | - |
| 13 | MER065 | 8.1500 | -4360.0000 | 281000 | 63000 | 22226 | 58424 | 15100 | 1800 | 1800 | 11600 | 13600 | 1500 |
| | | -125.3330 | | - | 7200 | - | 670 | 470 | - | - | - | - | - |
| | | | | - | - | - | 580 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | MER161 | 8.0830 | - - | 262000 | 67000 | - | - | - | - | 1700 | 11900 | 15900 | - |
| | | -125.4170 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 13 | MGH 30 | 8.1660 | -4440.0000 | 341000 | 53000 | 29000 | 75000 | 14000 | 2000 | 1800 | 18000 | 16000 | - |
| | | -126.9660 | | - | 6000 | - | 900 | 800 | - | - | 20000 | 600 | - |
| | | | | 80 | - | - | 270 | - | - | - | - | 360 | - |
| 13 | SCR101 | 8.0833 | -4453.0000 | 262000 | 67000 | - | 61000 | 12000 | - | 1700 | 11900 | 15900 | - |
| | | -125.4160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 12 | CRON33 | 5.3330 | -4330.0000 | 302800 | 71500 | - | - | - | 1230 | 480 | 14850 | 9140 | - |
| | | -117.9160 | | - | - | - | - | 270 | - | - | - | 310 | 2 |
| | | | | - | - | - | 87 | - | - | - | - | - | - |
| 12 | LAM001 | 3.6330 | -4316.0000 | 215000 | - | - | - | - | - | 800 | 7400 | 4500 | - |
| | | -110.9330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 12 | MER066 | 1.4500 | -4000.0000 | 188000 | 126000 | 8996 | 35054 | 18000 | 3000 | 500 | 7600 | 4700 | 400 |
| | | -116.2170 | | - | - | - | 1000 | 300 | - | - | - | - | - |
| | | | | - | - | - | 450 | - | - | - | - | - | - |
| 12 | MGH 50 | 1.4500 | -4000.0000 | 272000 | 182000 | 13000 | 51000 | 26000 | 4100 | 700 | 11000 | 6800 | 600 |
| | | -116.2160 | | - | - | - | 1400 | 440 | - | - | 15000 | 530 | - |
| | | | | 130 | - | - | 650 | - | - | - | - | 1200 | - |
| 12 | MGH 59 | 9.9830 | -4295.0000 | 246000 | 112000 | 37000 | 98000 | 15000 | 5000 | 900 | 10000 | 7400 | - |
| | | -118.0000 | | - | 10000 | - | 700 | 550 | - | - | 19000 | 390 | - |
| | | | | 130 | - | - | 200 | - | - | - | - | 800 | - |
| 11 | BARN15 | 9.9500 | - - | 315000 | 103000 | - | - | - | - | 5000 | 7400 | 300 | - |
| | | -108.8000 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| 9 | BARN14 | 6.3500 | - - | 278000 | 206000 | - | - | - | - | 3200 | 3200 | 300 | - |
| | | -61.7330 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- / LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | MER067 | 6.3500 | -1061.0000 | 151000 | 177000 | 22755 | 72446 | 17000 | 4700 | 3600 | 2500 | 500 | 430 |
| | | -81.7330 | | 2530 | 4000 | - | 1500 | 370 | - | - | - | - | - |
| | | | | - | - | - | 820 | - | - | - | - | - | - |
| 8 | W-A 32 | 5.7330 | -3330.0000 | 115000 | 123000 | - | - | 10900 | - | 500 | 1800 | 100 | 424 |
| | | -79.3330 | | - | - | - | - | - | - | 3 | - | - | - |
| | | | | - | 1 | - | 212 | - | - | - | - | - | - |
| 3 | MER153 | 6.1330 | -7180.0000 | 107000 | 161000 | 40219 | 132741 | 9800 | 4200 | 3000 | 2400 | 1400 | 520 |
| | | -21.1170 | | - | 4100 | - | 820 | 300 | - | - | - | - | - |
| | | | | - | - | - | 930 | - | - | - | - | - | - |
| 2 | LAM056 | 0.3500 | -1712.0000 | 173000 | 148000 | - | - | - | - | 3200 | 2800 | 600 | - |
| | | -17.5160 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | ANJN01 | - - | - - | 242000 | 140000 | 29000 | - | - | 6700 | 3500 | 9900 | 5300 | 470 |
| | | - - | | - | - | - | - | 520 | - | - | - | 540 | 10 |
| | | | | - | - | - | 900 | - | - | - | - | - | - |
| | COLL01 | - - | -5011.0000 | 149128 | 192055 | 54031 | 74924 | 6575 | 3956 | - | 78 | 159 | - |
| | | - - | | 87 | 3320 | - | - | - | - | - | 1085 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | DERY01 | - - | -136.0000 | 184198 | 60148 | 35615 | 121243 | 1429 | 3417 | - | - | - | - |
| | | - - | | 5110 | - | - | - | - | - | - | 361 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | DERY02 | - - | -136.0000 | 194814 | 65743 | 18204 | 85393 | 10720 | 3357 | - | - | - | - |
| | | - - | | 3931 | - | - | - | - | - | - | 5669 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | DERY03 | - - | -136.0000 | 172634 | 51545 | 19739 | 107174 | 16080 | 4795 | - | - | - | - |
| | | - - | | 4193 | - | - | - | - | - | - | 6272 | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | DERY04 | - - | -83.0000 | 20347 | 122744 | 1322 | 303809 | 4859 | 0 | - | - | - | - |
| | | - - | | 1878 | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DERY05 | - | - | -160.0000 | 15987 | 197790 | 90228 | 107314 | 30017 | - | - | - | - | - |
| | | - | - | | 3494 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | DERY06 | - | - | -104.0000 | 37155 | 141488 | 57894 | 121336 | 10863 | - | - | - | - | - |
| | | - | - | | 5547 | - | - | - | - | - | - | 14474 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | DICH01 | - | - | - | - | 232000 | 96000 | 15900 | 40600 | 22100 | 5500 | 5000 | 6300 | 600 | - |
| | | - | - | | | 2200 | - | - | - | 2000 | - | - | 11500 | 730 | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | DICH02 | - | - | - | - | 205000 | 124000 | - | - | - | - | 5900 | 4200 | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | ELWA01 | - | - | - | - | 56686 | 124143 | 64826 | 155410 | 72899 | 9292 | 1887 | 3378 | 1597 | 2490 |
| | | - | - | | | 1878 | 17268 | - | 169 | 133 | - | - | - | - | - |
| | | | | | | - | 157 | - | 928 | - | - | - | - | - | - |
| | ELWA02 | - | - | - | - | 115385 | 193733 | 56095 | 123860 | 11649 | - | 1337 | - | 1038 | - |
| | | - | - | | | - | 1328 | - | - | - | - | - | 2231 | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | ELWA03 | - | - | - | - | 446054 | 16980 | - | 9768 | 40023 | - | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | GORSH1 | - | - | - | - | 155604 | 154986 | 7250 | 108203 | 11077 | - | - | - | - | - |
| | | - | - | | | 6464 | - | - | - | - | - | - | 11217 | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | GORSH2 | - | - | - | - | 164445 | 147503 | 20480 | 91189 | 285 | - | - | - | - | - |
| | | - | - | | | 12186 | - | - | - | - | - | - | 8322 | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |
| | GORSH3 | - | - | - | - | 88890 | 151699 | 19897 | 62725 | 23227 | - | - | - | - | - |
| | | - | - | | | 15506 | - | - | - | - | - | - | 10192 | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- | LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GORSH 4 | - | - | - | 86032 | 166247 | 21115 | 80813 | 25014 | - | - | - | - | - |
| | | - | - | - | 14327 | - | - | - | - | - | - | 8684 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | GOTHO 1 | - | - | - | 165931 | 202736 | 54031 | 74924 | 6575 | 3956 | - | 78 | 159 | - |
| | | - | - | - | 87 | 3320 | - | - | - | - | - | 1085 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | LAWOO 1 | - | - | - | 250000 | - | - | - | - | - | 7500 | 10000 | 2500 | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | LAWOO 2 | - | - | - | 160000 | - | - | - | - | - | 2000 | 4200 | 3100 | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | MANHO 1 | - | - | - | 47238 | 355994 | 13229 | 78523 | 12149 | 899 | - | - | - | - |
| | | - | - | - | 2970 | 1743 | - | - | - | - | - | 4523 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | MANHO 2 | - | - | - | 28652 | 381172 | 11113 | 68707 | 3716 | 839 | - | - | - | - |
| | | - | - | - | 2183 | 581 | - | - | - | - | - | 2291 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | MANHO 3 | - | - | - | 140166 | 224507 | 15346 | 76653 | 12149 | 1618 | - | - | - | - |
| | | - | - | - | 6988 | 7554 | - | - | - | - | - | 5729 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | MANHO 4 | - | - | - | 24780 | 121695 | 53978 | 223884 | 12864 | 3357 | - | - | - | - |
| | | - | - | - | 16598 | 24075 | - | - | - | - | - | 5488 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | MANHO 5 | - | - | - | 87507 | 92320 | 18521 | 222482 | 22155 | 1198 | - | - | - | - |
| | | - | - | - | 4804 | 6807 | - | - | - | - | - | 12665 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | MORIK 1 | - | - | -60.0000 | 127156 | 49797 | 9313 | - | - | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MURIR2 | - | - | -33.0000 | 129014 | 48678 | 10001 | - | - | - | - | - | - | - |
| | | - | - | | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | MURIR3 | - | - | - | - | 366059 | 22520 | 25772 | 42065 | - | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | MURIR4 | - | - | -45.0000 | | 257333 | 39935 | 28312 | 53236 | 12006 | - | - | - | 2076 |
| | | - | - | | | 1659 | - | - | - | - | - | - | 17670 | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | MURIR5 | - | - | -60.0000 | | 266548 | 34270 | 22755 | 109932 | 11077 | - | - | - | 1996 |
| | | - | - | | | 1528 | - | - | - | - | - | - | 15499 | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | MURIR6 | - | - | - | - | 370040 | 13708 | 24290 | 31829 | - | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | NIKOO1 | - | - | - | - | 139700 | 77900 | - | 134100 | 7000 | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | NIKOO2 | - | - | - | - | 115200 | 82600 | - | - | 7800 | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | NIKOO3 | - | - | - | - | 168200 | 67500 | - | 110300 | 21000 | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | NIKOO4 | - | - | - | - | 237600 | 159600 | - | - | 11400 | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - |
| | NIKOO5 | - | - | - | - | 198300 | 109400 | - | - | 14200 | - | - | - | - |
| | | - | - | | | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- | LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NIK006 | - | - | - | 66400 | 78000 | - | - | 9800 | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | NIK008 | - | - | - | 50000 | 61600 | - | 141300 | 10000 | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | NIK009 | - | - | - | 132000 | 139500 | - | 119200 | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | NIK010 | - | - | - | 102200 | 129500 | - | 122700 | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | PABA01 | - | - | -5000.0000 | 172691 | 130960 | 30534 | 71465 | - | 8632 | - | - | - | - |
| | | - | - | - | 2096 | 3901 | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | PABA02 | - | - | -5000.0000 | 3562 | 102898 | 72341 | 220191 | 15794 | 10611 | - | - | - | - |
| | | - | - | - | 567 | 8551 | - | - | - | - | - | 25450 | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | RAAB01 | - | - | - | 269000 | 96200 | 28400 | - | - | - | 3600 | 10900 | 8000 | 1500 |
| | | - | - | - | - | - | - | - | 445 | - | - | - | - | - |
| | | | | | - | - | - | 730 | - | - | - | - | - | - |
| | RAAB02 | - | - | - | 281000 | 58900 | 31600 | - | - | - | 3000 | 12400 | 8700 | 2000 |
| | | - | - | - | - | - | - | - | 445 | - | - | - | - | - |
| | | | | | - | - | - | 605 | - | - | - | - | - | - |
| | RAAB03 | - | - | - | 266000 | 49600 | 39500 | - | - | - | 1200 | 11400 | 13600 | 1900 |
| | | - | - | - | - | - | - | - | 685 | - | - | - | - | - |
| | | | | | - | - | - | 390 | - | - | - | - | - | - |
| | RAAB04 | - | - | - | 255000 | 114000 | 27500 | - | - | - | 3200 | 10000 | 6400 | 5300 |
| | | - | - | - | - | - | - | - | 475 | - | - | - | - | - |
| | | | | | - | - | - | 635 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAAB05 | - | - | - | 243000 | 92500 | 41100 | - | - | - | 2900 | 9700 | 10500 | 1000 |
| | | - | - | - | - | - | - | - | 440 | - | - | - | - | - |
| | | | | | - | - | - | 625 | - | - | - | - | - | - |
| | RAAB06 | - | - | - | 239000 | 133000 | 27500 | - | - | - | 3000 | 7200 | 6000 | 990 |
| | | - | - | - | - | - | - | - | 400 | - | - | - | - | - |
| | | | | | - | - | - | 760 | - | - | - | - | - | - |
| | RAAB07 | - | - | - | 267000 | 97400 | 29600 | - | - | - | 2700 | 11900 | 8700 | 1200 |
| | | - | - | - | - | - | - | - | 470 | - | - | - | - | - |
| | | | | | - | - | - | 625 | - | - | - | - | - | - |
| | RAAB08 | - | - | - | 247000 | 135000 | 24100 | - | - | - | 3600 | 9400 | 5800 | 920 |
| | | - | - | - | - | - | - | - | 455 | - | - | - | - | - |
| | | | | | - | - | - | 830 | - | - | - | - | - | - |
| | RAAB09 | - | - | - | 260000 | 73100 | 31100 | - | - | - | 2500 | 12700 | 11700 | 1200 |
| | | - | - | - | - | - | - | - | 530 | - | - | - | - | - |
| | | | | | - | - | - | 695 | - | - | - | - | - | - |
| | RAAB10 | - | - | - | 150000 | 99500 | 46400 | - | - | - | 2100 | 6900 | 5400 | 1000 |
| | | - | - | - | - | - | - | - | 195 | - | - | - | - | - |
| | | | | | - | - | - | 620 | - | - | - | - | - | - |
| | RAAB11 | - | - | - | 361000 | 21000 | 27000 | - | - | - | 170 | 9500 | 6200 | 2800 |
| | | - | - | - | - | - | - | - | 760 | - | - | - | - | - |
| | | | | | - | - | - | 85 | - | - | - | - | - | - |
| | RAAB12 | - | - | - | 247000 | 83400 | 36400 | - | - | - | 1200 | 9200 | 6100 | 1900 |
| | | - | - | - | - | - | - | - | 420 | - | - | - | - | - |
| | | | | | - | - | - | 400 | - | - | - | - | - | - |
| | RAAB13 | - | - | - | 193000 | 167000 | 20500 | - | - | - | 3400 | 4800 | 2500 | 800 |
| | | - | - | - | - | - | - | - | 325 | - | - | - | - | - |
| | | | | | - | - | - | 1005 | - | - | - | - | - | - |
| | RAAB14 | - | - | - | 219000 | 91800 | 34100 | - | - | - | 2600 | 8900 | 9500 | 1200 |
| | | - | - | - | - | - | - | - | 435 | - | - | - | - | - |
| | | | | | - | - | - | 745 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE / NODULE CODE / LATITUDE --(DG)-- / LONGITUDE --------- / DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|
| RAAB15 | 286000 | 68900 | 27200 | - | - | - | 2600 | 13900 | 12000 | 1600 |
| | - | - | - | - | 650 | - | - | - | - | - |
| | - | - | - | 675 | - | - | - | - | - | - |
| RAAB16 | 235000 | 100000 | 40000 | - | - | - | 3600 | 9800 | 5700 | 1400 |
| | - | - | - | - | 375 | - | - | - | - | - |
| | - | - | - | 955 | - | - | - | - | - | - |
| RAAB17 | 255000 | 76300 | 29100 | - | - | - | 3500 | 11100 | 6600 | 1500 |
| | - | - | - | - | 350 | - | - | - | - | - |
| | - | - | - | 775 | - | - | - | - | - | - |
| RAAB18 | 289000 | 59900 | 26600 | - | - | - | 3300 | 13000 | 5500 | 2100 |
| | - | - | - | - | 520 | - | - | - | - | - |
| | - | - | - | 590 | - | - | - | - | - | - |
| RAAB19 | 275000 | 76100 | 29800 | - | - | - | 2400 | 15500 | 8400 | 1500 |
| | - | - | - | - | 455 | - | - | - | - | - |
| | - | - | - | 620 | - | - | - | - | - | - |
| RAAB20 | 263000 | 73000 | 27900 | - | - | - | 2100 | 11000 | 8200 | 2000 |
| | - | - | - | - | 465 | - | - | - | - | - |
| | - | - | - | 540 | - | - | - | - | - | - |
| RAAB21 | 312000 | 53000 | - | - | - | - | 2300 | 17000 | 13200 | 1800 |
| | - | - | - | - | 630 | - | - | - | - | - |
| | - | - | - | 490 | - | - | - | - | - | - |
| RAAB22 | 271000 | 86000 | - | - | - | - | 3700 | 11000 | 5800 | 1400 |
| | - | - | - | - | 435 | - | - | - | - | - |
| | - | - | - | 760 | - | - | - | - | - | - |
| RAAB23 | 290000 | 34000 | - | - | - | - | 1400 | 19400 | 14600 | 2000 |
| | - | - | - | - | 745 | - | - | - | - | - |
| | - | - | - | 465 | - | - | - | - | - | - |
| RAAB24 | 268000 | 88200 | - | - | - | - | 4400 | 14000 | 7600 | 1500 |
| | - | - | - | - | 500 | - | - | - | - | - |
| | - | - | - | 795 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE --(DG)-- | LONGITUDE | DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAAB25 | - | - | - | 263000 | 144500 | - | - | - | - | 3900 | 7700 | 3100 | 810 |
| | | - | - | | - | - | - | - | 595 | - | - | - | - | - |
| | | | | | - | - | - | 1080 | - | - | - | - | - | - |
| | RAAB26 | - | - | - | 337000 | 50000 | - | - | - | - | 2300 | 13600 | 10500 | 2000 |
| | | - | - | | - | - | - | - | 745 | - | - | - | - | - |
| | | | | | - | - | - | 520 | - | - | - | - | - | - |
| | RAAB27 | - | - | - | 241000 | 131500 | - | - | - | - | 5000 | 6900 | 3100 | 950 |
| | | - | - | | - | - | - | - | 445 | - | - | - | - | - |
| | | | | | - | - | - | 1170 | - | - | - | - | - | - |
| | RAAB28 | - | - | - | 283000 | 42300 | - | - | - | - | 1500 | 16900 | 13200 | 1700 |
| | | - | - | | - | - | - | - | 720 | - | - | - | - | - |
| | | | | | - | - | - | 420 | - | - | - | - | - | - |
| | RAAB29 | - | - | - | 253000 | 121000 | 21800 | - | - | - | 4200 | 9200 | 4900 | 1200 |
| | | - | - | | - | - | - | - | 630 | - | - | - | - | - |
| | | | | | - | - | - | 925 | - | - | - | - | - | - |
| | RAAB30 | - | - | - | 265000 | 42700 | 4200 | - | - | - | 1300 | 18000 | 13800 | 1500 |
| | | - | - | | - | - | - | - | 800 | - | - | - | - | - |
| | | | | | - | - | - | 410 | - | - | - | - | - | - |
| | RAAB31 | - | - | - | 236000 | 157000 | 15300 | - | - | - | 4000 | 7400 | 2800 | 840 |
| | | - | - | | - | - | - | - | 560 | - | - | - | - | - |
| | | | | | - | - | - | 1060 | - | - | - | - | - | - |
| | RAAB32 | - | - | - | 244000 | 133000 | 22200 | - | - | - | 4300 | 8600 | 4400 | 900 |
| | | - | - | | - | - | - | - | 565 | - | - | - | - | - |
| | | | | | - | - | - | 990 | - | - | - | - | - | - |
| | RAAB33 | - | - | - | 301000 | 30600 | 36300 | - | - | - | 1100 | 21600 | 14600 | 1600 |
| | | - | - | | - | - | - | - | 895 | - | - | - | - | - |
| | | | | | - | - | - | 325 | - | - | - | - | - | - |
| | RAAB34 | - | - | - | 273000 | 119000 | 20300 | - | - | - | 4100 | 10000 | 5500 | 1120 |
| | | - | - | | - | - | - | - | 690 | - | - | - | - | - |
| | | | | | - | - | - | 890 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAAB35 | - | - | - | 307000 | 101000 | 24400 | - | - | - | 4000 | 13300 | 8200 | 1600 |
| | | - | - | | - | - | - | - | 770 | - | - | - | - | - |
| | | | | | - | - | - | 800 | - | - | - | - | - | - |
| | RAAB36 | - | - | - | 269000 | 91600 | 23600 | - | - | - | 3500 | 11200 | 6900 | 1440 |
| | | - | - | | - | - | - | - | 670 | - | - | - | - | - |
| | | | | | - | - | - | 720 | - | - | - | - | - | - |
| | RAAB37 | - | - | - | 235000 | 35000 | 54800 | - | - | - | 660 | 17900 | 12500 | 1260 |
| | | - | - | | - | - | - | - | 675 | - | - | - | - | - |
| | | | | | - | - | - | 195 | - | - | - | - | - | - |
| | RAAB38 | - | - | - | 249000 | 34900 | 49500 | - | - | - | 1100 | 16600 | 12700 | 1700 |
| | | - | - | | - | - | - | - | 685 | - | - | - | - | - |
| | | | | | - | - | - | 250 | - | - | - | - | - | - |
| | RAAB39 | - | - | - | 229000 | 34400 | 49800 | - | - | - | 850 | 15300 | 12600 | 1570 |
| | | - | - | | - | - | - | - | 705 | - | - | - | - | - |
| | | | | | - | - | - | 205 | - | - | - | - | - | - |
| | RAAB40 | - | - | - | 279000 | 98900 | 22400 | - | - | - | 3100 | 10700 | 6400 | 1400 |
| | | - | - | | - | - | - | - | 585 | - | - | - | - | - |
| | | | | | - | - | - | 745 | - | - | - | - | - | - |
| | RAAB41 | - | - | - | 257000 | 58100 | 34500 | - | - | - | 2000 | 11100 | 9400 | 1800 |
| | | - | - | | - | - | - | - | 585 | - | - | - | - | - |
| | | | | | - | - | - | 470 | - | - | - | - | - | - |
| | RAAB42 | - | - | - | 253000 | 115000 | 26100 | - | - | - | 3300 | 13400 | 6800 | 1000 |
| | | - | - | | - | - | - | - | 530 | - | - | - | - | - |
| | | | | | - | - | - | 830 | - | - | - | - | - | - |
| | RAAB43 | - | - | - | 197000 | 71300 | 47900 | - | - | - | 1700 | 9900 | 6700 | 1100 |
| | | - | - | | - | - | - | - | 400 | - | - | - | - | - |
| | | | | | - | - | - | 500 | - | - | - | - | - | - |
| | RAAB44 | - | - | - | 261000 | 141000 | 17700 | - | - | - | 4000 | 8300 | 4000 | 1000 |
| | | - | - | | - | - | - | - | 590 | - | - | - | - | - |
| | | | | | - | - | - | 427 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAAB45 | - | - | - | 286000 | 36100 | 32100 | - | - | - | 1400 | 15500 | 13100 | 2000 |
| | | - | - | - | - | - | - | - | 830 | - | - | - | - | - |
| | | | | | - | - | - | 1115 | - | - | - | - | - | - |
| | RAAB46 | - | - | - | 250000 | 86500 | 27200 | - | - | - | 3500 | 10200 | 7300 | 2490 |
| | | - | - | - | - | - | - | - | 390 | - | - | - | - | - |
| | | | | | - | - | - | 730 | - | - | - | - | - | - |
| | RAAB47 | - | - | - | 248000 | 97800 | 68600 | - | - | - | 4000 | 9200 | 6500 | 2520 |
| | | - | - | - | - | - | - | - | 345 | - | - | - | - | - |
| | | | | | - | - | - | 820 | - | - | - | - | - | - |
| | RAAB48 | - | - | - | 243000 | 63500 | 48000 | - | - | - | 2600 | 10500 | 9000 | 1960 |
| | | - | - | - | - | - | - | - | 485 | - | - | - | - | - |
| | | | | | - | - | - | 520 | - | - | - | - | - | - |
| | RAAB49 | - | - | - | 199000 | 41400 | 51300 | - | - | - | 1500 | 9400 | 8900 | 1540 |
| | | - | - | - | - | - | - | - | 445 | - | - | - | - | - |
| | | | | | - | - | - | 290 | - | - | - | - | - | - |
| | RAAB50 | - | - | - | 273000 | 45800 | 31400 | - | - | - | 2400 | 11800 | 9900 | 1930 |
| | | - | - | - | - | - | - | - | 545 | - | - | - | - | - |
| | | | | | - | - | - | 435 | - | - | - | - | - | - |
| | RAAB51 | - | - | - | 260000 | 79600 | 60900 | - | - | - | 3500 | 9300 | 9800 | 3090 |
| | | - | - | - | - | - | - | - | 430 | - | - | - | - | - |
| | | | | | - | - | - | 705 | - | - | - | - | - | - |
| | RAAB52 | - | - | - | 284000 | 29700 | 34200 | - | - | - | 1500 | 13200 | 14000 | 2470 |
| | | - | - | - | - | - | - | - | 735 | - | - | - | - | - |
| | | | | | - | - | - | 250 | - | - | - | - | - | - |
| | RAAB53 | - | - | - | 270000 | 31600 | 39000 | - | - | - | 1500 | 13400 | 13400 | 2340 |
| | | - | - | - | - | - | - | - | 745 | - | - | - | - | - |
| | | | | | - | - | - | 260 | - | - | - | - | - | - |
| | RAAB54 | - | - | - | 269000 | 32600 | 38900 | - | - | - | 1300 | 14200 | 14000 | 2120 |
| | | - | - | - | - | - | - | - | 770 | - | - | - | - | - |
| | | | | | - | - | - | 305 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE / NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RAAB55 | - - | - - | 251000 - - | 29300 - - | 48200 - - | - - 190 | - 840 - | - - - | 550 - - | 15900 - - | 13800 - - | 1840 - - |
| RAAB56 | - - | - - | 273000 - - | 27500 - - | 41300 - - | - - 215 | - 900 - | - - - | 630 - - | 17600 - - | 15200 - - | 1950 - - |
| RAAB57 | - - | - - | 233000 - - | 103000 - - | 35200 - - | - - 885 | - 490 - | - - - | 3600 - - | 8400 - - | 5600 - - | 1100 - - |
| RAAB58 | - - | - - | 257000 - - | 42100 - - | 38400 - - | - - 315 | - 630 - | - - - | 1100 - - | 17700 - - | 10900 - - | 1500 - - |
| RAAB59 | - - | - - | 247000 - - | 116000 - - | 26400 - - | - - 1150 | - 445 - | - - - | 4600 - - | 11000 - - | 5000 - - | 1300 - - |
| RAAB60 | - - | - - | 273000 - - | 33600 - - | 38500 - - | - - 290 | - 810 - | - - - | 1000 - - | 20100 - - | 12300 - - | 1700 - - |
| RAAB61 | - - | - - | 301000 - - | 64000 - - | - - - | - - 524 | - 607 - | - - - | 2900 - - | 13000 - - | 10300 - - | 1500 - - |
| RAAB62 | - - | - - | 361000 - - | 35000 - - | - - - | - - 305 | - 690 - | - - - | 2500 - - | 14000 - - | 13700 - - | 1800 - - |
| RAAB63 | - - | - - | 286000 - - | 60000 - - | - - - | - - 498 | - 585 - | - - - | 2300 - - | 14800 - - | 11300 - - | 1600 - - |
| RAAB64 | - - | - - | 345000 - - | 32000 - - | - - - | - - 240 | - 655 - | - - - | 1700 - - | 12500 - - | 13300 - - | 1800 - - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAAB65 | - | - | - | 289000 | 54000 | - | - | - | - | 2600 | 15600 | 10800 | 1600 |
| | | - | - | | - | - | - | - | 642 | - | - | - | - | - |
| | | | | | - | - | - | 601 | - | - | - | - | - | - |
| | RAAB66 | - | - | - | 276000 | 77000 | - | - | - | - | 2100 | 13100 | 11600 | 1500 |
| | | - | - | | - | - | - | - | 570 | - | - | - | - | - |
| | | | | | - | - | - | 350 | - | - | - | - | - | - |
| | RAAB67 | - | - | - | 283000 | 77000 | - | - | - | - | 2800 | 11600 | 7700 | 1200 |
| | | - | - | | - | - | - | - | 530 | - | - | - | - | - |
| | | | | | - | - | - | 882 | - | - | - | - | - | - |
| | RAAB68 | - | - | - | 340000 | 60000 | - | - | - | - | 2800 | 14300 | 11200 | 1400 |
| | | - | - | | - | - | - | - | 178 | - | - | - | - | - |
| | | | | | - | - | - | 485 | - | - | - | - | - | - |
| | RAAB69 | - | - | - | 302000 | 86000 | - | - | - | - | 2800 | 10600 | 8500 | 1500 |
| | | - | - | | - | - | - | - | 630 | - | - | - | - | - |
| | | | | | - | - | - | 739 | - | - | - | - | - | - |
| | RAAB70 | - | - | - | 321000 | 43000 | - | - | - | - | 2500 | 10400 | 8800 | 2600 |
| | | - | - | | - | - | - | - | 630 | - | - | - | - | - |
| | | | | | - | - | - | 365 | - | - | - | - | - | - |
| | RAAB71 | - | - | - | 314000 | 97000 | - | - | - | - | 3300 | 10800 | 7000 | 1400 |
| | | - | - | | - | - | - | - | 685 | - | - | - | - | - |
| | | | | | - | - | - | 812 | - | - | - | - | - | - |
| | RAAB72 | - | - | - | 336000 | 33000 | - | - | - | - | 1400 | 9500 | 13200 | 2400 |
| | | - | - | | - | - | - | - | 755 | - | - | - | - | - |
| | | | | | - | - | - | 298 | - | - | - | - | - | - |
| | RAAB73 | - | - | - | 319000 | 77000 | - | - | - | - | 2800 | 12500 | 9300 | 1700 |
| | | - | - | | - | - | - | - | 655 | - | - | - | - | - |
| | | | | | - | - | - | 730 | - | - | - | - | - | - |
| | RAAB74 | - | - | - | 283000 | 84000 | - | - | - | - | 2500 | 13300 | 9100 | 1200 |
| | | - | - | | - | - | - | - | 755 | - | - | - | - | - |
| | | | | | - | - | - | 740 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) / LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAAB75 | - - | - - | 284000 | 86000 | - | - | - | - | 2800 | 11500 | 8400 | 1500 |
| | | - - | | - | - | - | - | 552 | - | - | - | - | - |
| | | | | - | - | - | 720 | - | - | - | - | - | - |
| | RAAB76 | - - | - - | 277000 | 48000 | - | - | - | - | 1700 | 14000 | 12400 | 1400 |
| | | - - | | - | - | - | - | 460 | - | - | - | - | - |
| | | | | - | - | - | 315 | - | - | - | - | - | - |
| | RAAB77 | - - | - - | 304000 | 76000 | - | - | - | - | 1300 | 11200 | 8100 | 2000 |
| | | - - | | - | - | - | - | 600 | - | - | - | - | - |
| | | | | - | - | - | 385 | - | - | - | - | - | - |
| | RAAB78 | - - | - - | 354000 | 36000 | - | - | - | - | 1000 | 9500 | 9600 | 2300 |
| | | - - | | - | - | - | - | 573 | - | - | - | - | - |
| | | | | - | - | - | 165 | - | - | - | - | - | - |
| | RAAB79 | - - | - - | 280000 | 75000 | - | - | - | - | 2300 | 12600 | 8700 | 1200 |
| | | - - | | - | - | - | - | 660 | - | - | - | - | - |
| | | | | - | - | - | 500 | - | - | - | - | - | - |
| | RAAB80 | - - | - - | 350000 | 35000 | - | - | - | - | 1600 | 13000 | 11700 | 1900 |
| | | - - | | - | - | - | - | 690 | - | - | - | - | - |
| | | | | - | - | - | 215 | - | - | - | - | - | - |
| | RAAB81 | - - | - - | 280000 | 98000 | - | - | - | - | 2800 | 10900 | 7800 | 1200 |
| | | - - | | - | - | - | - | 570 | - | - | - | - | - |
| | | | | - | - | - | 580 | - | - | - | - | - | - |
| | RAAB82 | - - | - - | 340000 | 51000 | - | - | - | - | 2300 | 12800 | 10900 | 1600 |
| | | - - | | - | - | - | - | 600 | - | - | - | - | - |
| | | | | - | - | - | 400 | - | - | - | - | - | - |
| | RAAB83 | - - | - - | 266000 | 89000 | - | - | - | - | 2900 | 12200 | 8700 | 1200 |
| | | - - | | - | - | - | - | 515 | - | - | - | - | - |
| | | | | - | - | - | 560 | - | - | - | - | - | - |
| | RAAB84 | - - | - - | 357000 | 31000 | - | - | - | - | 1600 | 12800 | 11200 | 1800 |
| | | - - | | - | - | - | - | 630 | - | - | - | - | - |
| | | | | - | - | - | 215 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAAB85 | - | - | - | 286000 | 81000 | - | - | - | - | 2400 | 11700 | 7800 | 1500 |
| | | - | - | | - | - | - | - | 562 | - | - | - | - | - |
| | | | | | - | - | - | 497 | - | - | - | - | - | - |
| | RAAB86 | - | - | - | 348000 | 31000 | - | - | - | - | 1400 | 13400 | 12000 | 1800 |
| | | - | - | | - | - | - | - | 628 | - | - | - | - | - |
| | | | | | - | - | - | 235 | - | - | - | - | - | - |
| | RAAB87 | - | - | - | 272000 | 55100 | 34900 | - | - | - | 1800 | 14500 | 10500 | 1300 |
| | | - | - | | - | - | - | - | 678 | - | - | - | - | - |
| | | | | | - | - | - | 432 | - | - | - | - | - | - |
| | RAAB88 | - | - | - | 328000 | 44200 | 26800 | - | - | - | 1600 | 12200 | 12800 | 1400 |
| | | - | - | | - | - | - | - | 702 | - | - | - | - | - |
| | | | | | - | - | - | 342 | - | - | - | - | - | - |
| | RAAB89 | - | - | - | 300000 | 62800 | 30200 | - | - | - | 2000 | 12600 | 11400 | 1400 |
| | | - | - | | - | - | - | - | 815 | - | - | - | - | - |
| | | | | | - | - | - | 408 | - | - | - | - | - | - |
| | RAAB90 | - | - | - | 283000 | 41200 | 38100 | - | - | - | 2600 | 12600 | 13400 | 1200 |
| | | - | - | | - | - | - | - | 640 | - | - | - | - | - |
| | | | | | - | - | - | 280 | - | - | - | - | - | - |
| | RAAB91 | - | - | - | 277000 | 57400 | 35000 | - | - | - | 1900 | 11400 | 10800 | 1200 |
| | | - | - | | - | - | - | - | 620 | - | - | - | - | - |
| | | | | | - | - | - | 408 | - | - | - | - | - | - |
| | RAAB92 | - | - | - | 328000 | 42700 | 28300 | - | - | - | 2000 | 12100 | 12900 | 1200 |
| | | - | - | | - | - | - | - | 665 | - | - | - | - | - |
| | | | | | - | - | - | 310 | - | - | - | - | - | - |
| | RAAB93 | - | - | - | 285000 | 39600 | 39400 | - | - | - | 1700 | 14700 | 14400 | 1290 |
| | | - | - | | - | - | - | - | 655 | - | - | - | - | - |
| | | | | | - | - | - | 280 | - | - | - | - | - | - |
| | RAAB94 | - | - | - | 268000 | 44100 | 41100 | - | - | - | 1700 | 12400 | 12900 | 1310 |
| | | - | - | | - | - | - | - | 645 | - | - | - | - | - |
| | | | | | - | - | - | 325 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE / NODULE CODE / LATITUDE --(DG)-- / LONGITUDE / DEPTH -(M)- | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|
| RAAB95 | 299000 | 55300 | 35400 | - | - | - | 2200 | 13700 | 11200 | 1260 |
| | - | - | - | - | 630 | - | - | - | - | - |
| | - | - | - | 335 | - | - | - | - | - | - |
| RAAB96 | 273000 | 60100 | 36400 | - | - | - | 1800 | 12600 | 11500 | 1170 |
| | - | - | - | - | 595 | - | - | - | - | - |
| | - | - | - | 365 | - | - | - | - | - | - |
| RAAB97 | 286000 | 51800 | 32900 | - | - | - | 1900 | 13100 | 12400 | 1350 |
| | - | - | - | - | 660 | - | - | - | - | - |
| | - | - | - | 375 | - | - | - | - | - | - |
| RAAB98 | 148000 | 19900 | 36200 | - | - | - | 1900 | 6100 | 5900 | 2060 |
| | - | - | - | - | 680 | - | - | - | - | - |
| | - | - | - | 285 | - | - | - | - | - | - |
| RAAB99 | 284000 | 45600 | 37800 | - | - | - | 1700 | 13400 | 11900 | 1510 |
| | - | - | - | - | 660 | - | - | - | - | - |
| | - | - | - | 315 | - | - | - | - | - | - |
| RAA100 | 305000 | 34500 | 35800 | - | - | - | 1900 | 11200 | 10800 | 1950 |
| | - | - | - | - | 645 | - | - | - | - | - |
| | - | - | - | 240 | - | - | - | - | - | - |
| RAA101 | 331000 | 33900 | 28100 | - | - | - | 2500 | 13900 | 15100 | 1660 |
| | - | - | - | - | 760 | - | - | - | - | - |
| | - | - | - | 240 | - | - | - | - | - | - |
| RAA102 | 338000 | 27300 | 27700 | - | - | - | 1500 | 14600 | 14500 | 2140 |
| | - | - | - | - | 705 | - | - | - | - | - |
| | - | - | - | 190 | - | - | - | - | - | - |
| RAA103 | 294000 | 63500 | 30800 | - | - | - | 2300 | 11300 | 11000 | 1200 |
| | - | - | - | - | 790 | - | - | - | - | - |
| | - | - | - | 390 | - | - | - | - | - | - |
| RAA104 | 306000 | 62100 | 29700 | - | - | - | 1700 | 13900 | 11700 | 1500 |
| | - | - | - | - | 840 | - | - | - | - | - |
| | - | - | - | 425 | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RAA105 | - | - | - | 283000 | 41200 | 38100 | - | - | - | 2600 | 12600 | 13400 | 1200 |
| | | - | - | | - | - | - | - | 640 | - | - | - | - | - |
| | | | | | - | - | - | 280 | - | - | - | - | - | - |
| | RAA106 | - | - | - | 264000 | 55200 | 37900 | - | - | - | 1700 | 12000 | 11400 | 1170 |
| | | - | - | | - | - | - | - | 750 | - | - | - | - | - |
| | | | | | - | - | - | 390 | - | - | - | - | - | - |
| | RAA107 | - | - | - | 313000 | 51700 | 37500 | - | - | - | 1700 | 14900 | 13700 | 1650 |
| | | - | - | | - | - | - | - | 860 | - | - | - | - | - |
| | | | | | - | - | - | 325 | - | - | - | - | - | - |
| | RAA108 | - | - | - | 305000 | 66500 | 44400 | - | - | - | 2200 | 12300 | 11300 | 1330 |
| | | - | - | | - | - | - | - | 860 | - | - | - | - | - |
| | | | | | - | - | - | 430 | - | - | - | - | - | - |
| | RAA109 | - | - | - | 313000 | 48200 | 30400 | - | - | - | 1900 | 12800 | 11800 | 1180 |
| | | - | - | | - | - | - | - | 840 | - | - | - | - | - |
| | | | | | - | - | - | 340 | - | - | - | - | - | - |
| | RAA110 | - | - | - | 305000 | 63300 | 27400 | - | - | - | 1900 | 13900 | 11400 | 1450 |
| | | - | - | | - | - | - | - | 805 | - | - | - | - | - |
| | | | | | - | - | - | 440 | - | - | - | - | - | - |
| | RAA111 | - | - | - | 298000 | 67700 | 27500 | - | - | - | 2200 | 14200 | 11800 | 1420 |
| | | - | - | | - | - | - | - | 780 | - | - | - | - | - |
| | | | | | - | - | - | 435 | - | - | - | - | - | - |
| | RAA112 | - | - | - | 280000 | 71900 | 32500 | - | - | - | 2500 | 12200 | 10400 | 1070 |
| | | - | - | | - | - | - | - | 780 | - | - | - | - | - |
| | | | | | - | - | - | 460 | - | - | - | - | - | - |
| | STSH01 | - | - | - | 99100 | 157300 | - | - | - | - | - | - | - | - |
| | | - | - | | 3500 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH02 | - | - | - | 45600 | 160700 | - | - | - | - | - | - | - | - |
| | | - | - | | 7200 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STSH03 | - | - | - | 76700 | 140500 | - | - | - | - | - | - | - | - |
| | | - | - | | 4600 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH04 | - | - | - | 231600 | 132200 | - | - | - | - | - | - | - | - |
| | | - | - | | 6200 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH05 | - | - | - | 19400 | 157600 | - | - | - | - | - | - | - | - |
| | | - | - | | 11800 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH06 | - | - | - | 2000 | 31800 | - | - | - | - | - | - | - | - |
| | | - | - | | 1800 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH07 | - | - | - | 1500 | 26300 | - | - | - | - | - | - | - | - |
| | | - | - | | 200 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH08 | - | - | - | 1500 | 26300 | - | - | - | - | - | - | - | - |
| | | - | - | | 200 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH09 | - | - | - | 25000 | 78400 | - | - | - | - | - | - | - | - |
| | | - | - | | 3700 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH10 | - | - | - | 226100 | 85800 | - | - | - | - | - | - | - | - |
| | | - | - | | 1400 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH11 | - | - | - | 15100 | 101500 | - | - | - | - | - | - | - | - |
| | | - | - | | 19100 | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | STSH12 | - | - | - | 235300 | 123300 | - | - | - | 12660 | 60 | 150 | 38 | 160 |
| | | - | - | | 4600 | - | - | - | 221 | - | - | - | 67 | 20 |
| | | | | | - | - | - | 11 | - | 34 | 8 | 1 | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STSH13 | - | - | - | 64200 | 260200 | - | - | - | 2460 | 80 | 31 | 19 | 116 |
| | | - | - | - | 24700 | - | - | - | 50 | - | - | - | 78 | 20 |
| | | | | | - | - | - | 9 | - | 39 | 5 | 1 | - | - |
| | STSH14 | - | - | - | 106500 | 181600 | - | - | - | 5860 | 60 | 132 | 25 | 187 |
| | | - | - | - | 8300 | - | - | - | 114 | - | - | - | 112 | 21 |
| | | | | | - | - | - | 31 | - | 31 | 8 | 1 | - | - |
| | STSH15 | - | - | - | 121600 | 238500 | - | - | - | 5000 | 60 | 88 | 25 | 98 |
| | | - | - | - | 13800 | - | - | - | 107 | - | - | - | 90 | 20 |
| | | | | | - | - | - | 16 | - | 36 | 8 | 1 | - | - |
| | STSH16 | - | - | - | 22300 | 161200 | - | - | - | 1380 | 26 | 28 | 12 | 73 |
| | | - | - | - | 7200 | - | - | - | 20 | - | - | - | 90 | 27 |
| | | | | | - | - | - | 12 | - | 23 | 13 | 2 | - | - |
| | STSH17 | - | - | - | 100500 | 174700 | - | - | - | 5600 | 30 | 79 | 21 | 156 |
| | | - | - | - | 8000 | - | - | - | 94 | - | - | - | 90 | 28 |
| | | | | | - | - | - | 15 | - | 31 | 10 | 1 | - | - |
| | STSH18 | - | - | - | 93900 | 253300 | - | - | - | 3700 | 72 | 114 | 22 | 136 |
| | | - | - | - | 9000 | - | - | - | 73 | - | - | - | 101 | 20 |
| | | | | | - | - | - | 23 | - | 34 | 10 | 2 | - | - |
| | STSH19 | - | - | - | - | 376700 | - | - | - | 0 | 14 | 26 | 12 | 107 |
| | | - | - | - | 16300 | - | - | - | 23 | - | - | - | 112 | 25 |
| | | | | | - | - | - | 22 | - | 26 | 12 | 1 | - | - |
| | STSH20 | - | - | - | 186700 | 161900 | - | - | - | 11500 | 90 | 176 | 25 | - |
| | | - | - | - | 8900 | - | - | - | - | - | - | - | 34 | 14 |
| | | | | | - | - | - | - | - | - | 7 | 1 | - | - |
| | STSH21 | - | - | - | 67700 | 238500 | - | - | - | 2900 | 60 | 53 | 14 | 112 |
| | | - | - | - | 22300 | - | - | - | 107 | - | - | - | 146 | 19 |
| | | | | | - | - | - | 25 | - | 42 | 11 | 4 | - | - |
| | STSH22 | - | - | - | 69500 | 231600 | - | - | - | 1100 | 79 | 244 | 57 | - |
| | | - | - | - | 8800 | - | - | - | 21 | - | - | - | 179 | 22 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |

CHEMICAL ANALYSES IN PPM .

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STSH23 | - | - | - | 73700 | 230000 | - | - | - | 900 | 90 | 393 | 47 | - |
| | | - | - | | 8700 | - | - | - | 21 | - | - | - | 196 | 14 |
| | | | | | - | - | - | - | - | 40 | - | - | 67 | - |
| | STSH24 | - | - | - | 81400 | 222100 | - | - | - | 1400 | 94 | 338 | 46 | - |
| | | - | - | | 9200 | - | - | - | 17 | - | - | - | 140 | 24 |
| | | | | | - | - | - | - | - | 32 | - | - | 37 | - |
| | STSH25 | - | - | - | 57700 | 259800 | - | - | - | 900 | 90 | 204 | 25 | - |
| | | - | - | | 11400 | - | - | - | 15 | - | - | - | 179 | 24 |
| | | | | | - | - | - | - | - | 40 | - | - | 52 | - |
| | STSH26 | - | - | - | 22800 | 329400 | - | - | - | 800 | 71 | 110 | 22 | - |
| | | - | - | | 14300 | - | - | - | 7 | - | - | - | 196 | 18 |
| | | | | | - | - | - | - | - | 40 | - | - | 37 | - |
| | STSH27 | - | - | - | 98000 | 219900 | - | - | - | 900 | 94 | 495 | 51 | - |
| | | - | - | | 8500 | - | - | - | 25 | - | - | - | 196 | 15 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |
| | STSH28 | - | - | - | 101700 | 208400 | - | - | - | 1000 | 94 | 471 | 54 | - |
| | | - | - | | 8500 | - | - | - | 25 | - | - | - | 196 | 25 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |
| | STSH29 | - | - | - | 65200 | 296900 | - | - | - | 850 | 90 | 259 | 20 | - |
| | | - | - | | 12300 | - | - | - | 41 | - | - | - | 196 | 14 |
| | | | | | - | - | - | - | - | 0 | - | - | - | - |
| | STSH30 | - | - | - | 107000 | 231400 | - | - | - | 800 | 118 | 283 | 39 | - |
| | | - | - | | 10100 | - | - | - | 25 | - | - | - | 196 | 20 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |
| | STSH31 | - | - | - | 53700 | 293300 | - | - | - | 900 | 82 | 196 | 31 | - |
| | | - | - | | 13100 | - | - | - | 13 | - | - | - | 196 | 18 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |
| | STSH32 | - | - | - | 14700 | 342500 | - | - | - | 1000 | 39 | 32 | 19 | - |
| | | - | - | | 15900 | - | - | - | 8 | - | - | - | 168 | 24 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |

CHEMICAL ANALYSES IN PPM

| MARSDEN CODE | NODULE CODE | LATITUDE (DG) | LONGITUDE | DEPTH (M) | MN / P / Y | FE / K / SN | AL / RB / TE | SI / SR / PB | CA / MO / LA | TI / AG / W | CO / CD / GA | NI / MG / GE | CU / V / ZR | ZN / CR / BE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STSH33 | - | - | - | 14200 | 365600 | - | - | - | 800 | 40 | 18 | 13 | - |
| | | - | - | - | 14400 | - | - | - | 10 | - | - | - | 235 | 27 |
| | | | | | - | - | - | - | - | 44 | - | - | - | - |
| | STSH34 | - | - | - | 28300 | 342500 | - | - | - | 900 | 82 | 110 | 14 | - |
| | | - | - | - | 13800 | - | - | - | 12 | - | - | - | 235 | 29 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |
| | STSH35 | - | - | - | 139500 | 182400 | - | - | - | 1000 | 98 | 574 | 51 | - |
| | | - | - | - | 8300 | - | - | - | 41 | - | - | - | 140 | 12 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |
| | STSH36 | - | - | - | 90700 | 222600 | - | - | - | 950 | 94 | 519 | 54 | - |
| | | - | - | - | 8100 | - | - | - | 17 | - | - | - | 140 | 17 |
| | | | | | - | - | - | - | - | 40 | - | - | - | - |
| | STSH37 | - | - | - | 10000 | 159900 | - | - | - | 3100 | 30 | 62 | 15 | 70 |
| | | - | - | - | 6600 | - | - | - | 37 | - | - | - | 560 | 28 |
| | | | | | - | - | - | 11 | - | 52 | 12 | 1 | - | - |
| | STSH38 | - | - | - | 800 | 28500 | - | - | - | 2800 | 10 | 26 | 15 | 65 |
| | | - | - | - | 1200 | - | - | - | 0 | - | - | - | 67 | 37 |
| | | | | | - | - | - | 9 | - | 31 | 15 | 2 | - | - |
| | STSH39 | - | - | - | 500 | 27100 | - | - | - | 3100 | 10 | 31 | 10 | 58 |
| | | - | - | - | 1400 | - | - | - | - | - | - | - | 67 | 37 |
| | | | | | - | - | - | 8 | - | 31 | 18 | 2 | - | - |
| | STSH40 | - | - | - | 10600 | 169400 | - | - | - | 1900 | 30 | 35 | 16 | 51 |
| | | - | - | - | - | - | - | - | 20 | - | - | - | 224 | 31 |
| | | | | | - | - | - | 8 | - | 44 | 11 | 1 | - | - |
| | VHBA01 | - | - | -1000.0000 | 217600 | 135900 | - | - | 80400 | - | 5700 | 6400 | 1800 | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |
| | VHBA02 | - | - | - | 379300 | 6600 | - | - | 14600 | - | 1100 | 11000 | 13500 | - |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - |

**This file contains _2_ oversize maps and/or charts which were not scanned. These maps and/or charts may be viewed in the original paper report or in the microfiche copy.**