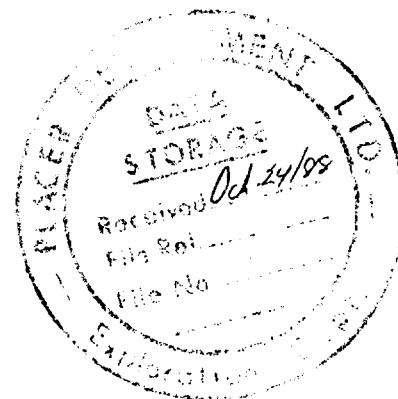


P L A C E R D O M E I N C (V A N C O U V E R L A B O R A T O R Y)

GEOCHEMICAL DATA LISTING: NOBLE 188 CLEARWATER

PDL lab data file: P8358 ✓
 AREA: CLEARWATER
 MAPSHEET NO: 82M12W
 VENTURE: NOBLE 188
 GEOLOGIST: L WARNER
 LAB PROJECT NO: 8358



PLEASE DISTRIBUTE RESULTS TO: LW BB LAB

REMARKS:
 "AU1 RESULTS REPORTED IN PPB"

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
 ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
 ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
 SAMPLE NUMBERS FOLLOWED BY * ARE DUPLICATE ANALYSES.

| | UNITS | WT.G | ATTACK USED | TIME | RANGE | METHOD |
|-----|-------|------|--------------------|-------|-----------|------------------------|
| MO | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 1-1000 | ATOMIC ABSORPTION |
| CU | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 2-4000 | ATOMIC ABSORPTION |
| ZN | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 2-3000 | ATOMIC ABSORPTION |
| PB | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 2-3000 | A.A. BACKGROUND COR. |
| CD | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 0.2-200 | A.A. BACKGROUND COR. |
| NI | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 2-2000 | ATOMIC ABSORPTION |
| CO | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 2-2000 | ATOMIC ABSORPTION |
| AG | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 0.2-20 | A.A. BACKGROUND COR |
| AU | PPM | 10.0 | AQUA REGIA | 3HRS | 0.01-4.00 | A.A. SOLVENT EXTRACT. |
| AU1 | PPB | 10.0 | AQUA REGIA | 3HRS | 5-4000 | A.A. SOLVENT EXTRACT. |
| U | PPM | 0.25 | DIL HNO3 | 2HRS | 1.0-1000 | FLOURIMETRY SOLV. EX. |
| V | PPM | 0.5 | HF/HCLO4/HNO3/HCL | 6HRS | 5-1000 | ATOMIC ABSORPTION |
| W | PPM | 0.5 | HCLO4/H3PO4 | 2HRS | 2-1000 | DC PLASMA |
| F | PPM | 0.25 | NA2CO3/KNO3 FUSION | 30MIN | 40-4000 | SPECIFIC ION ELECTRODE |
| AS | PPM | 0.5 | AQUA REGIA | 3HRS | 2-2000 | DC PLASMA |
| SB | PPM | 0.5 | HCL/HNO3 | 3HRS | 2-2000 | DC PLASMA |
| BI | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 2-2000 | A.A. BACKGROUND COR. |
| MN | PPM | 0.5 | HCLO4/HNO3 | 4HRS | 2-2000 | ATOMIC ABSORPTION |
| FE | % | 0.5 | HF/HCLO4/HNO3/HCL | 6HRS | 0.02-20% | DC PLASMA |
| HG | PPB | 0.25 | DIL HNO3/HCL | 2HRS | 5-2000PPB | A.A. COLD VAPOR GEN. |
| BA | % | 0.25 | HF/BI/OXALIC | 4HRS | 0.02-20% | ATOMIC ABSORPTION |
| NA | % | 0.5 | HF/HCLO4/HNO3/HCL | 6HRS | 0.2 -20% | DC PLASMA |
| K | % | 0.5 | HF/HCLO4/HNO3/HCL | 6HRS | 0.2 -20% | DC PLASMA |
| CA | % | 0.5 | HF/HCLO4/HNO3/HCL | 6HRS | 0.02-20% | DC PLASMA |
| SR | PPM | 0.5 | HF/HCLO4/HNO3/HCL | 6HRS | 10-2000 | DC PLASMA |
| MG | % | 0.5 | HF/HCLO4/HNO3/HCL | 6HRS | 0.2-20% | DC PLASMA |
| SN | PPM | 1.0 | NH4I FUSION | 15MIN | 5-500 | A.A. SOLVENT EXTRACT. |
| PT | PPB | 25.0 | FIRE ASSAY | 45MIN | DL 10PPB | DC PLASMA |
| PD | PPB | 25.0 | FIRE ASSAY | 45MIN | DL 5PPB | DC PLASMA |
| LOI | % | 1.0 | ASH 600 DEG C | 2HRS | 0.02-99% | WEIGH RESIDUE |

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM NOBLE 188 CLEARWATER

| GRID | SAMPLE | PROJECT | CU | ZN | PB | AG | AU1 |
|--------|--------|-------------|-----|------|------|------|-----|
| 82M12W | | 33651 8358 | 179 | 1040 | 470 | 1.0 | <5 |
| 82M12W | | 33652 8358 | 135 | 460 | 200 | 0.8 | <5 |
| 82M12W | | 33653 8358 | 190 | 670 | 310 | 1.1 | <5 |
| 82M12W | | 33654 8358 | 157 | 410 | 290 | 1.2 | <5 |
| 82M12W | | 33655 8358 | 143 | 730 | 550 | 2.1 | <5 |
| 82M12W | | 33656 8358 | 164 | 370 | 260 | 0.8 | <5 |
| 82M12W | | 33657 8358 | 134 | 360 | 250 | 0.9 | <5 |
| 82M12W | | 33658 8358 | 136 | 350 | 230 | 1.0 | <5 |
| 82M12W | | 33659 8358 | 89 | 270 | 113 | 0.5 | <5 |
| test | STD P | 8358 | 123 | 105 | 99 | 1.5 | |
| 82M12W | | 33660 8358 | 94 | 270 | 125 | 1.0 | <5 |
| 82M12W | | 33661 8358 | 106 | 320 | 196 | 0.9 | <5 |
| 82M12W | | 33662 8358 | 93 | 310 | 172 | 0.7 | <5 |
| 82M12W | | 33663 8358 | 88 | 260 | 128 | 0.6 | <5 |
| 82M12W | | 33664 8358 | 103 | 270 | 127 | 0.8 | <5 |
| 82M12W | | 33665 8358 | 116 | 290 | 102 | 0.5 | <5 |
| 82M12W | | 33666 8358 | 130 | 1560 | 1210 | 1.4 | <5 |
| 82M12W | | 33667 8358 | 220 | 1990 | 1050 | 1.1 | 60 |
| 82M12W | | 33668 8358 | 167 | 1170 | 600 | 1.2 | <5 |
| 82M12W | | 33668* 8358 | 180 | 1200 | 610 | 1.1 | <5 |
| 82M12W | | 33669 8358 | 330 | 1000 | 430 | 0.8 | 85 |
| 82M12W | | 33670 8358 | 73 | 240 | 145 | 2.8 | <5 |
| 82M12W | | 33671 8358 | 85 | 800 | 450 | 5.1 | <5 |
| 82M12W | | 33672 8358 | 122 | 1130 | 870 | 3.0 | <5 |
| 82M12W | | 33673 8358 | 45 | 270 | 109 | 0.6 | <5 |
| 82M12W | | 33674 8358 | 135 | 235 | 85 | 0.9 | <5 |
| 82M12W | | 33675 8358 | 90 | 240 | 96 | 0.7 | <5 |
| 82M12W | | 33676 8358 | 83 | 210 | 50 | 0.5 | <5 |
| 82M12W | | 33677 8358 | 99 | 360 | 125 | 0.6 | <5 |
| test | STD P | 8358 | 122 | 106 | 102 | 1.8 | |
| 82M12W | | 33678 8358 | 83 | 355 | 80 | 1.0 | <5 |
| 82M12W | | 33679 8358 | 93 | 480 | 168 | 0.7 | <5 |
| 82M12W | | 33680 8358 | 114 | 660 | 370 | 0.6 | <5 |
| 82M12W | | 33681 8358 | 72 | 190 | 82 | 0.3 | <5 |
| 82M12W | | 33682 8358 | 47 | 142 | 50 | 0.4 | <5 |
| 82M12W | | 33683 8358 | 45 | 169 | 122 | 0.5 | <5 |
| 82M12W | | 33684 8358 | 78 | 224 | 122 | 0.7 | <5 |
| 82M12W | | 33685 8358 | 73 | 220 | 92 | 0.7 | <5 |
| 82M12W | | 33686 8358 | 45 | 185 | 46 | 0.7 | <5 |
| 82M12W | | 33686* 8358 | 48 | 190 | 44 | 0.6 | <5 |
| 82M12W | | 33687 8358 | 45 | 107 | 72 | 0.4 | <5 |
| 82M12W | | 33688 8358 | 46 | 630 | 43 | 4.3 | <5 |
| 82M12W | | 33689 8358 | 49 | 265 | 64 | 0.6 | <5 |
| 82M12W | | 33690 8358 | 43 | 127 | 40 | 0.4 | <5 |
| 82M12W | | 33691 8358 | 66 | 76 | 31 | 0.5 | <5 |
| 82M12W | | 33692 8358 | 59 | 250 | 114 | 0.3 | <5 |
| 82M12W | | 33693 8358 | 49 | 85 | 44 | 0.3 | <5 |
| 82M12W | | 33694 8358 | 57 | 122 | 52 | 0.4 | <5 |
| 82M12W | | 33695 8358 | 44 | 77 | 33 | 0.3 | <5 |
| 82M12W | | 33695* 8358 | 47 | 79 | 33 | 0.2 | <5 |
| 82M12W | | 33696 8358 | 54 | 108 | 39 | 0.4 | <5 |
| 82M12W | | 33697 8358 | 38 | 142 | 39 | <0.2 | <5 |
| 82M12W | | 33698 8358 | 46 | 82 | 41 | 0.4 | <5 |
| 82M12W | | 33699 8358 | 32 | 105 | 42 | 0.3 | <5 |
| 82M12W | | 33700 8358 | 65 | 112 | 58 | 0.6 | <5 |
| 82M12W | | 33701 8358 | 47 | 79 | 24 | <0.2 | <5 |
| 82M12W | | 33702 8358 | 59 | 83 | 22 | 0.3 | <5 |
| 82M12W | | 33703 8358 | 42 | 79 | 25 | 0.2 | <5 |
| 82M12W | | 33704 8358 | 41 | 52 | 18 | <0.2 | <5 |
| 82M12W | | 33704* 8358 | 40 | 57 | 17 | <0.2 | <5 |

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM NOBLE 188 CLEARWATER

| GRID | SAMPLE | PROJECT | CU | ZN | PB | AG | AU1 |
|--------|--------|-------------|-----|-----|-----|------|-----|
| 82M12W | | 33705 8358 | 66 | 94 | 15 | 0.3 | <5 |
| 82M12W | | 33706 8358 | 50 | 122 | 64 | 0.2 | <5 |
| 82M12W | | 33707 8358 | 40 | 200 | 57 | 0.7 | <5 |
| 82M12W | | 33708 8358 | 61 | 166 | 73 | 0.9 | <5 |
| 82M12W | | 33709 8358 | 93 | 136 | 51 | 0.5 | <5 |
| 82M12W | | 33710 8358 | 70 | 180 | 35 | 0.3 | 15 |
| 82M12W | | 33711 8358 | 41 | 106 | 49 | 0.3 | 20 |
| 82M12W | | 33712 8358 | 44 | 460 | 120 | 0.5 | <5 |
| 82M12W | | 33713 8358 | 108 | 118 | 41 | 0.4 | <5 |
| test | STD P | 8358 | 125 | 97 | 98 | 1.4 | |
| 82M12W | | 33714 8358 | 95 | 143 | 83 | 0.4 | <5 |
| 82M12W | | 33715 8358 | 69 | 123 | 56 | 0.3 | <5 |
| 82M12W | | 33716 8358 | 47 | 58 | 23 | 0.4 | <5 |
| 82M12W | | 33717 8358 | 79 | 92 | 39 | 0.3 | <5 |
| 82M12W | | 33718 8358 | 78 | 65 | 34 | 0.2 | <5 |
| 82M12W | | 33719 8358 | 68 | 138 | 65 | 0.5 | <5 |
| 82M12W | | 33720 8358 | 77 | 78 | 50 | 0.4 | <5 |
| 82M12W | | 33721 8358 | 73 | 130 | 85 | 0.4 | <5 |
| 82M12W | | 33722 8358 | 60 | 101 | 66 | 0.4 | 5 |
| test | STD P | 8358 | 125 | 96 | 99 | 1.4 | |
| 82M12W | | 33723 8358 | 189 | 52 | 33 | <0.2 | <5 |
| 82M12W | | 33724 8358 | 70 | 57 | 26 | 0.2 | <5 |
| 82M12W | | 33725 8358 | 91 | 62 | 29 | 0.5 | <5 |
| 82M12W | | 33726 8358 | 65 | 86 | 38 | 0.3 | <5 |
| 82M12W | | 33727 8358 | 90 | 124 | 54 | 0.3 | <5 |
| 82M12W | | 33728 8358 | 35 | 77 | 24 | 0.4 | <5 |
| 82M12W | | 33729 8358 | 37 | 69 | 25 | 0.2 | <5 |
| 82M12W | | 33730 8358 | 74 | 330 | 230 | 0.6 | <5 |
| 82M12W | | 33731 8358 | 75 | 540 | 440 | 0.7 | <5 |
| test | STD P | 8358 | 128 | 97 | 99 | 2.1 | |
| 82M12W | | 33732 8358 | 91 | 108 | 55 | 1.5 | <5 |
| 82M12W | | 33733 8358 | 45 | 62 | 31 | 2.3 | <5 |
| 82M12W | | 33734 8358 | 31 | 83 | 49 | 0.4 | <5 |
| 82M12W | | 33735 8358 | 41 | 162 | 94 | 0.4 | <5 |
| 82M12W | | 33736 8358 | 75 | 116 | 43 | 0.3 | <5 |
| 82M12W | | 33737 8358 | 70 | 220 | 82 | 0.5 | <5 |
| 82M12W | | 33738 8358 | 46 | 129 | 66 | 0.6 | <5 |
| 82M12W | | 33739 8358 | 77 | 220 | 81 | 0.4 | <5 |
| 82M12W | | 33740 8358 | 74 | 147 | 56 | 0.5 | <5 |
| test | STD P | 8358 | 126 | 98 | 98 | 1.7 | |
| 82M12W | | 33741 8358 | 46 | 120 | 59 | 0.5 | <5 |
| 82M12W | | 33742 8358 | 34 | 75 | 32 | 0.2 | <5 |
| 82M12W | | 33743 8358 | 50 | 99 | 95 | 0.3 | <5 |
| 82M12W | | 33744 8358 | 63 | 94 | 50 | 0.5 | <5 |
| 82M12W | | 33745 8358 | 41 | 53 | 35 | 0.2 | <5 |
| 82M12W | | 33746 8358 | 36 | 77 | 29 | <0.2 | <5 |
| 82M12W | | 33747 8358 | 44 | 44 | 22 | 0.3 | <5 |
| 82M12W | | 33748 8358 | 76 | 47 | 15 | 0.2 | <5 |
| 82M12W | | 33749 8358 | 92 | 53 | 20 | 0.8 | <5 |
| 82M12W | | 33749* 8358 | 95 | 56 | 23 | 0.4 | <5 |
| 82M12W | | 33750 8358 | 57 | 52 | 24 | 0.5 | <5 |
| 82M12W | | 33751 8358 | 69 | 58 | 27 | 0.4 | <5 |
| 82M12W | | 33752 8358 | 70 | 80 | 27 | <0.2 | <5 |
| 82M12W | | 33753 8358 | 62 | 46 | 15 | 0.5 | <5 |
| 82M12W | | 33754 8358 | 57 | 34 | 18 | 0.3 | <5 |
| 82M12W | | 33755 8358 | 63 | 45 | 20 | 0.3 | <5 |
| 82M12W | | 33756 8358 | 34 | 19 | 10 | 0.4 | <5 |
| 82M12W | | 33757 8358 | 47 | 55 | 25 | 0.2 | <5 |
| 82M12W | | 33758 8358 | 50 | 30 | 16 | <0.2 | <5 |
| 82M12W | | 33758* 8358 | 47 | 29 | 14 | 0.2 | <5 |

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM NOBLE 188 CLEARWATER

| GRID | SAMPLE | PROJECT | CU | ZN | PB | AG | AU1 |
|--------|--------|-------------|-----|-----|-----|------|-----|
| 82M12W | | 33759 8358 | 33 | 54 | 19 | <0.2 | <5 |
| 82M12W | | 33760 8358 | 73 | 134 | 32 | <0.2 | <5 |
| 82M12W | | 33761 8358 | 28 | 152 | 14 | <0.2 | <5 |
| 82M12W | | 33762 8358 | 65 | 126 | 34 | <0.2 | <5 |
| 82M12W | | 33763 8358 | 33 | 55 | 28 | <0.2 | <5 |
| 82M12W | | 33764 8358 | 38 | 83 | 29 | <0.2 | <5 |
| 82M12W | | 33765 8358 | 53 | 125 | 27 | <0.2 | <5 |
| 82M12W | | 33766 8358 | 86 | 182 | 44 | <0.2 | <5 |
| 82M12W | | 33767 8358 | 164 | 202 | 90 | <0.2 | <5 |
| test | STD P | 8358 | 130 | 98 | 100 | 1.3 | |
| 82M12W | | 33768 8358 | 120 | 88 | 35 | 0.2 | <5 |
| 82M12W | | 33769 8358 | 100 | 92 | 26 | 0.7 | <5 |
| 82M12W | | 33770 8358 | 110 | 93 | 32 | <0.2 | <5 |
| 82M12W | | 33771 8358 | 137 | 86 | 33 | 0.2 | <5 |
| 82M12W | | 33772 8358 | 250 | 81 | 27 | <0.2 | <5 |
| 82M12W | | 33773 8358 | 244 | 91 | 36 | 0.2 | <5 |
| 82M12W | | 33773* 8358 | 243 | 91 | 32 | 0.2 | <5 |
| test | STD AU | 8358 | | | | | 510 |
| test | STD AU | 8358 | | | | | 460 |
| test | STD AU | 8358 | | | | | 410 |
| test | STD AU | 8358 | | | | | 550 |

END OF LISTING - 141 RECORDS PRINTED
GCLIST RUN AT: 9:42:47

PLACER DEVELOPMENT LIMITED: GEOCHEM ASSAY SYSTEM

Following elements needed some values adjusted:

| ELEMENT | NSS | LOW | HI | % | BLNK | NVAL |
|---------|-----|-----|----|---|------|------|
| AG | 0 | 18 | 0 | 0 | 0 | 123 |
| AU1 | 0 | 118 | 0 | 0 | 0 | 123 |

18 records skipped: tests, duplicate analyses

SUMMARY OF GEOCHEM DATA: NOBLE 188 CLEARWATER

| ITEM | # VALUES | MISSING | MINIMUM | MAXIMUM | AVERAGE | STD. DEV. |
|------|----------|---------|---------|---------|---------|-----------|
| GRID | 123 | 0 | 82M12W | 82M12W | | |
| SAMP | 0 | 123 | | | | |
| PROJ | 123 | 0 | 8358 | 8358 | | |
| AG | 123 | 0 | 0.10 | 5.10 | 0.60 | 0.72 |
| AU1 | 123 | 0 | 2.50 | 85.00 | 3.90 | 9.21 |
| CU | 123 | 0 | 28.00 | 330.00 | 81.77 | 49.53 |
| PB | 123 | 0 | 10.00 | 1210.00 | 115.31 | 186.38 |
| ZN | 123 | 0 | 19.00 | 1990.00 | 232.68 | 299.10 |

END OF GCHSCAN: DATE: 88:10:19 time: 9:42:47 123 RECORDS PROCESSED