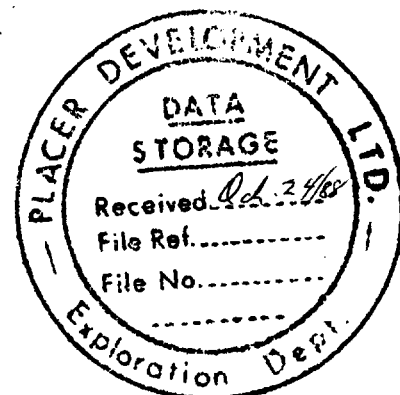


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PLACER DOME INC (VANCOUVER LABORATORY)

GEOCHEMICAL DATA LISTING: NOBLE 188 CLEARWATER

PDL lab data file: P8357 ✓
 AREA: CLEARWATER
 MAPSHEET NO: 82M12W
 VENTURE: NOBLE 188
 GEOLOGIST: L WARNER
 LAB PROJECT NO: 8357



PLEASE DISTRIBUTE RESULTS TO: LW BB LAB

REMARKS:
 "AU1 RESULTS REPORTED IN PPB"
 "ASSAY HIGH RESULTS"

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/HI/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		34126 8357	61	280	62	0.3	<5
82M12W		34127 8357	98	670	810	1.6	5
82M12W		34128 8357	250	0.47%	820	1.4	30
82M12W		34129 8357	58	480	400	1.7	5
82M12W		34130 8357	33	151	111	0.4	<5
82M12W		34131 8357	81	360	280	0.4	20
82M12W		34132 8357	33	75	19	0.2	<5
82M12W		34133 8357	18	118	32	0.2	<5
82M12W		34134 8357	9	63	31	<0.2	<5
82M12W		34134* 8357	8	61	30	<0.2	<5
82M12W		34135 8357	37	500	710	1.8	5
82M12W		34136 8357	145	430	440	1.0	<5
82M12W		34137 8357	177	1.95%	1.17%	19	15
82M12W		34138 8357	78	1320	990	1.8	15
82M12W		34139 8357	122	1.01%	0.67%	15	20
82M12W		34140 8357	97	0.32%	0.32%	12	30
82M12W		34141 8357	85	470	320	0.6	5
82M12W		34142 8357	60	580	350	0.9	20
82M12W		34143 8357	103	139	33	0.3	5
test	STD P	8357	123	122	98	1.6	
82M12W		34144 8357	118	350	98	0.7	5
82M12W		34145 8357	100	490	250	0.5	20
82M12W		34146 8357	172	1140	820	1.3	30
82M12W		34147 8357	61	224	36	0.2	25
82M12W		34148 8357	126	890	340	0.6	15
82M12W		34149 8357	110	490	310	1.5	15
82M12W		34150 8357	87	113	36	0.4	<5
82M12W		34151 8357	112	112	53	0.4	<5
82M12W		34152 8357	68	80	360	1.0	10
82M12W		34152* 8357	67	79	350	1.0	15
82M12W		34153 8357	129	1140	840	13	20
82M12W		34154 8357	81	95	39	0.3	<5
82M12W		34155 8357	54	140	55	0.5	10
test	STD P	8357	123	121	99	1.6	
test	STD AG	8357				57	
test	STD PB-ZN	8357		0.55%	0.85%		
test	STD AU	8357					440

END OF LISTING - 37 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
ZN	0	0	0	4	0	30
PB	0	0	0	3	0	30
AG	0	1	0	0	0	30
AU1	0	9	0	0	0	30

7 records skipped: tests, duplicate analyses

SUMMARY OF GEOCHEM DATA: NOBLE 188 CLEARWATER

ITEM	# VALUES	MISSING	MINIMUM	MAXIMUM	AVERAGE	STD. DEV.
GRID	30	0	82M12W	82M12W		
SAMP	0	30				
PROJ	30	0	8357	8357		
AG	30	0	0.10	19.00	2.64	4.96
AU1	30	0	2.50	30.00	11.58	9.48
CU	30	0	9.00	250.00	92.10	51.01
PB	30	0	19.00	11700.00	1008.17	2398.41
ZN	30	0	63.00	19500.00	1613.33	3914.15

END OF GCHSCAN: DATE: 88:10:19 time: 9:42:47 30 RECORDS PROCESSED

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GEOCHEMICAL DATA LISTING: NOBLE 188 CLEARWATER

PDL lab data file: P8402 ✓
 AREA: CLEARWATER
 MAPSHEET NO: 82M12W
 VENTURE: NOBLE 188
 GEOLOGIST: L WARNER
 LAB PROJECT NO: 8402



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		34156 8402	1700	5.00%	2.00%	35	140
82M12W		34157 8402	740	0.46%	0.35%	6.0	<5
82M12W		34158 8402	1850	1.35%	0.87%	14	70
82M12W		34159 8402	129	0.45%	0.25%	3.4	<5
82M12W		34160 8402	83	0.29%	0.40%	4.8	<5
82M12W		34161 8402	110	2000	1070	2.3	135
82M12W		34162 8402	81	2300	1950	3.1	15
82M12W		34163 8402	195	73	71	0.4	<5
82M12W		34164 8402	600	1070	910	4.0	<5
test	STD P	8402	130	97	103	1.5	
82M12W		34165 8402	80	2000	1660	2.8	<5
82M12W		34166 8402	53	153	68	0.2	<5
82M12W		34167 8402	115	194	54	0.4	<5
82M12W		34168 8402	110	173	47	0.3	<5
82M12W		34168* 8402	105	171	48	0.3	<5
test	STD AG	8402				54	
test	STD PB-ZN	8402		0.53%	0.86%		
test	STD AU	8402					460

END OF LISTING - 18 RECORDS PRINTED
 GCLIST RUN AT: 10:31:59

PLACER DEVELOPMENT LIMITED: GEOCHEM ASSAY SYSTEM

Following elements needed some values adjusted:

ELEMENT	NSS	LOW	HI	%	BLNK	NVAL
ZN	0	0	0	5	0	13
PB	0	0	0	5	0	13
AU1	0	9	0	0	0	13

5 records skipped: tests, duplicate analyses

SUMMARY OF GEOCHEM DATA: NOBLE 188 CLEARWATER

ITEM	# VALUES	MISSING	MINIMUM	MAXIMUM	AVERAGE	STD. DEV.
GRID	13	0	82M12W	82M12W		
SAMP	0	13				
PROJ	13	0	8402	8402		
AG	13	0	0.20	35.00	5.90	9.48
AU1	13	0	2.50	140.00	29.42	51.44
CU	13	0	53.00	1850.00	449.69	626.23
PB	13	0	47.00	20000.00	3425.38	5524.21
ZN	13	0	73.00	50000.00	6420.23	13573.10

END OF GCHSCAN: DATE: 88:10:26 time: 10:31:59 13 RECORDS PROCESSED