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GRIT 4062

Knight Piésold CONSULTING	**DATE:**	March 8, 2000	**FILE NO.:**	11162/13.F01/F05
	TIME:		**REF NO.:**	00-017
Knight Piésold, Mt. Polley Site *Fax: (250) 790-2268* *Phone: (250) 790-2215*	**OPERATOR:**		**PAGES:**	1 of 12
	SENDER:	Jeremy Kinch	**APPROVED:**	

TO:	KP Vancouver	**FAX :**	604-685-0147
			COBE 96-1246
ATTN:	Ken Brouwer		
CC:	George Headley, MEM		Box 16
SUBJECT:	Progress Report No. 14		

Dear Ken

Attached in Progress Report No. 14 for Stage 2C Construction at the Mount Polley Mine TSF. This document is for the reporting period March 1 to 6, 2000. The Tailings Embankment was completed to elevation 941 m on March 6.

Regards,

Jeremy Kinch

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 14
MARCH 1 TO 6, 2000

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

Stage 2C construction concluded on March 6, with the final load of material placed at the end of Dayshift.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Jeremy Kinch (JRK) on site March 3.
- Guy Edwards (GE)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Larry Raymond, Operations Supervisor
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were overcast from March 1 to 3, and clear from March 4 to 6. Temperatures varied from lows of –12° to highs of 4° C. Snow forced the suspension of construction activities on March 3.

1.3 DESIGN AND CONTRACT DEVELOPMENT

There were no new design developments during the reporting period.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Tailings are currently discharged from a single point near CH 32+00 on the Perimeter Embankment. Preparations are being made to stockpile cycloned sand in Borrow Area No. 4, including grading the floor to establish drainage. Cycloning is scheduled to begin March 13.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The MPMC Tailings Crew is responsible for foundation and grade preparation prior to fill placement, and for borrow area development. Peterson Contracting is responsible for loading, hauling and placing fill, and maintenance of haul roads.

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Zone B, S and CS surface preparation was carried out as required prior to placement of each lift. This included stripping of ice, snow and saturated material from all surfaces prior to fill placement.

- Both dayshift and nightshift Zone B and S fill placement was carried out over the reporting period. Dayshift construction activities took place on March 1, 2 and March 4 to 6. Nightshift work activities were carried out on March 2, 4 and 5.

- Zone B and S fill placement activities were carried out along the Main Embankment from CH 15+50 to 21+00. The Main Embankment crest was raised to final elevation 941 m.

- Cyclone sand was removed from Zone S and B from 26+50 to 26+70. The unsuitable material was placed to improve trafficability at the main access point. It was removed with an excavator to expose uncontaminated till. The area was subsequently built up with suitable till.

- Till material placed in Zones B and S came from Borrow Area No. 2. Preparatory work in the borrow area included removal of unsuitable and frozen material.

Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
Till (Zones S & B)	20,723	225,930	178,500	127
CBL (rockfill)	0	33,149	33,149	100
F (filter sand)	0	2,300	2,300	100
Stg 3 toe berm (rockfill)	0	3,507	-	-

Notes: 1. Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change.
2. Fill volumes placed are based on load counts and are supplied by MPMC. Final volumes will be confirmed by as-built survey.

A summary of fill placement to date is shown on Figure 1.

Miscellaneous

- The upstream toe drain connector pipe of the Perimeter Embankment was extended and capped to avoid burying it with tailings. The tailings discharge point is approximately 50 m away from the toe drain connector pipe. Periodic monitoring is required to ensure that the pipe is not inundated.

- Pumping should continue at the seepage collection ponds at the Main and Perimeter Embankments.

- Work continues in Borrow Area No. 4, in preparation for cycloning.

- Development continued in the Rock Borrow.

- Grader work was carried out along TSF access roads.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- All lifts were tested before being approved. If any concern was had with the compaction, the compactive effort was increased.

- A total of 93 field density tests were conducted on Zone S material during the reporting period. Measured dry densities ranged from 1938 to 2176 kg/m^3, and moisture contents ranged from 8.2 to 12.9 percent. The average measured dry density for Zone S was 99.0 percent of the Standard Proctor Maximum, well above the minimum requirement of 95 percent.

- A total of 63 field density tests were conducted on Zone B material during the reporting period. Measured dry densities ranged from 1970 to 2172 kg/m^3, and moisture contents ranged from 8.0 to 12.1 percent. The average measured dry density for Zone B was 98.7 percent of the Standard Proctor Maximum, well above the minimum requirement of 92 percent.

Field density test results are summarized in the following table.

Embankment Zone	Number of Tests	Dry Density		Moisture Content		Average Compaction % of the Standard Proctor
		min	max	min	Max	
S	331	1938	2176	8.2	12.9	99.0%
B	49	1970	2172	8.0	12.1	98.7%
CS	0					

- KP provided ongoing monitoring of the following: stripping of unsuitable materials within Borrow Area No.2, excavated till materials for embankment construction, embankment surfaces prior to fill placement, lift thickness.

Miscellaneous

- Progress Report No. 13 was written and issued for the reporting period February 16 to 29, 2000.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

Piezometers were not monitored during the short reporting period. MPMC will take over monitoring duties when JRK leaves site on March 8.

The Plane D piezometers planned for Stage 2C have yet to be installed. They will be installed this summer, before Stage 3 construction on the Perimeter Embankment crest commences.

3.2.3 Drain Flows

The Main Embankment Seepage Collection Pond has been pumped down, however the water level is still above the drain outlets. Pumping should be restarted to further lower the water level and allow the foundation drain flows to be recorded. These flows have not been recorded since December 1998.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

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New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Results from Control Sample C/ZS-9 and Record Sample R/ZS-8, collected on February 17, 2000, were received.

Both samples met the gradation specifications for Zone S and Zone B material. Summaries are attached.

Submitted by,

Jeremy Kinch
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/Ken Embree, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S CONTROL TEST SUMMARY SHEET

A:\CZS.9011.xls\Summary Table

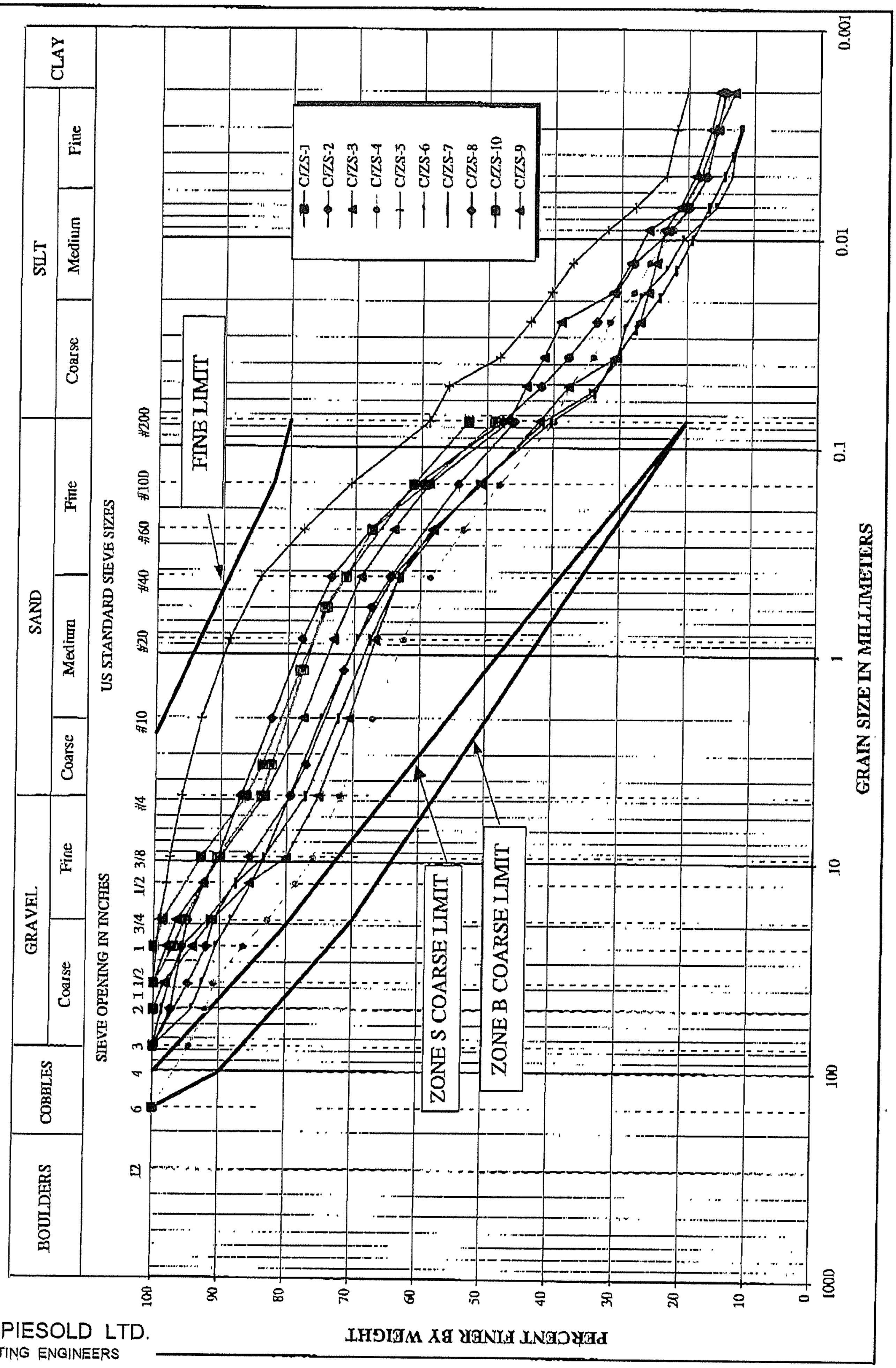
Date Sampled	Sample No.	Location	Elev. (m)	C1 Atterberg Limits			C2	C3 (Particle Size Distribution)																		C4 Standard Proctor		C6
				PL	LL	PI	Lab m/c	152.4	76.2	50.8	38.1	25.4	19.05	12.7	9.525	4.75	3.353	2	1.191	0.85	0.594	0.425	0.25	0.15	0.075	Max Dry Density kg/m³	Optimum m/c %	Specific Gravity
								6	3	2	1.5	1	0.750	0.500	0.375	#4	0.132	#10	0.047	#20	0.023	#40	#60	#100	#200			
				%	%	%	%	6	3	2	1 1/2	1	3/4	1/2	3/8	#4	#6	#10	#16	#20	#30	#40	#60	#100	Clay			
10-Sep-99	C/ZS-1	Borrow Area 2, Exc. Face	-	18	26	8	-	100.0	100.0	100.0	100.0	100.0	98.7	-	93.0	86.1	83.8	-	78.2	-	74.1	71.4	-	61.1	52.8	2015	11.2	-
22-Sep-99	C/ZS-2	Borrow Area 2, Exc. Face	-	17	27	10	11.6	100.0	100.0	100.0	94.8	92.1	91.0	-	85.6	79.5	77.2	-	71.5	-	67.4	64.6	-	54.3	45.8	2042	10.6	-
29-Nov-99	C/ZS-3	Borrow Area 2, Exc. Face	-	15	24	10	12.1	100.0	100.0	100.0	93.5	94.2	91.2	85.7	80.1	75.2	-	70.7	-	66.8	-	63.3	58.3	50.7	42.1	2180	7.6	2.649
03-Dec-99	C/ZS-4	Borrow Area 2, Exc. Face	-	15	25	10	11.7	100.0	94.6	-	90.9	86.5	82.8	78.6	75.9	71.9	-	67.1	-	62.5	-	58.5	53.4	48.0	39.8	2205	7.4	2.674
17-Dec-99	C/ZS-5	Borrow Area 4, Exc. Face	-	15	25	10	15.7	100.0	100.0	100.0	100.0	99.6	99.2	98.2	97.7	96.0	-	93.1	-	88.9	-	84.3	77.8	70.7	58.8	1932	11.6	2.624
07-Jan-00	C/ZS-6	Borrow Area 2, Exc. Face	-	15	24	8	11.7	100.0	100.0	94.3	92.7	90.7	83.4	85.3	83.4	79.6	-	74.9	-	69.5	-	64.2	57.8	51.2	41.1	2100	7.7	2.651
26-Jan-00	C/ZS-7	Borrow Area 2, Exc. Face	-	15	22	7	10.7	100.0	100.0	98.8	97.7	95.7	91.9	87.6	83.5	77.2	-	72.3	-	67.6	-	63.2	57.5	51.4	40.3	2136	7.5	2.627
04-Feb-00	C/ZS-8	Borrow Area 2, Exc. Face	-	14	23	9	13.5	100.0	100.0	97.4		95.8	94.9	92.4	90.4	87.0	-	82.4	-	77.9	-	73.5	67.6	60.7	47.6	2045	10.0	
19-Feb-00	C/ZS-9	Borrow Area 2, Exc. Face		16	23	8	10.6	100.0	100.0	100.0	100.0	93.1	96.6	92.6	90.1	83.4		77.7		73.1		69.1	64.1	58.8	46.7	2065	9.8	2.638
21-Feb-00	C/ZS-10	Borrow Area 2, Exc. Face		-	-	-	10.7	100.0	100.0	100.0	100.0	97.1	95.4		90.5	83.9	82.4		77.3		74.5	71.3	67.4	59.3	48.8	2050	9.5	-
			MEAN	15	24	9	12.0	100.0	99.5		97.2	95.0	93.0	88.6	87.0	82.0		76.9		72.3		68.3	63.0	56.6	46.4	2084	9.3	2.64
			MEDIAN	15	24	9	11.7	100.0	100.0		93.5	95.8	93.4	87.6	87.8	81.5		74.9		69.5		66.8	61.2	56.5	46.3	2070	9.7	2.64
			MAXIMUM	18	27	10	15.7	100.0	100.0		100.0	100.0	99.2	98.2	97.7	96.0		93.1		88.9		84.3	77.8	70.7	58.8	2205	11.6	2.67
			MINIMUM	14	22	7	10.6	100.0	94.6		90.9	86.5	82.8	78.6	75.9	71.9		67.1		62.5		58.5	53.4	48.0	39.8	1982	7.4	2.62

Notes.

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction

C1 Atterberg Limits (ASTM D4318)
C2 Moisture Content (ASTM D2216)
C3 Particle Size Distribution (ASTM D422)
C4 Laboratory Compaction (ASTM D698)
C6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S CONTROL SAMPLES - GRADATION CURVES



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
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STAGE 2C CONSTRUCTION
ZONE S RECORD TEST SUMMARY SHEET

Summary Table 03-Mar-00

Sample No.	Location	Elev. (m)	R1 Atterberg Limits PL %	LL %	PI %	R2 Field m/c %	R3 (Particle Size Distribution) 152.4 / 6 / 6	76.2 / 3 / 3	50.8 / 2 / 2	38.1 / 1.5 / 1 1/2	25.4 / 1.000 / 1	19.05 / 0.750 / 3/4	12.7 / 0.500 / 1/2	9.525 / 0.375 / 3/8	4.75 / #4 / #4	2 / #10 / #10	0.85 / #20 / #20	0.425 / #40 / #40	0.25 / #60 / #60	0.15 / #100 / #100	0.075 / #200 / Clay	R4 Standard Proctor Max Dry Density kg/m³	Optimum m/c %	R6 Specific Gravity	R7 Field Density Dry Density kg/m³	Compaction %
R-ZS-1	Zone S fill - lift #2, CH 30+13	-	18	29	11	11.1	100.0	100.0	97.9	95.4	92.1	83.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.7	44.3	2165	8.8	-	2111	97.5
R-ZS-2	Zone S fill - lift #4, CH 31+38	-	16	28	11	11.5	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	73.1	70.7	66.6	60.9	53.1	45.0	2110	8.4	2.701	2084	98.8
R-ZS-3	Zone B fill - lift #4, CH 29+79	-	16	27	12	13.1	100.0	100.0	95.3	94.1	92.5	90.7	87.1	83.8	80.0	73.0	70.9	67.3	62.4	54.5	47.5	2075	9.0	-	2047	98.7
R-ZS-4	Zone S fill – Lift #2, CH 39+31	936.9	15	24	9	13.0	100.0	100.0	100.0	99.7	99.6	98.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	59.2	55.4	2050	10.8	-	2029	100.0
R-ZS-5	Zone S fill – Lift #4, CH 40+80	938.3	17	26	9	12.1	100.0	100.0	100.0	100.0	98.3	96.7	94.9	90.2	88.9	83.0	77.7	73.0	65.9	60.5	49.4	2006	10.4	-	2094	104.4
R-ZS-6[2]	Zone S fill - CH 29+60	940.7	15	22	7	11.8	100.0	100.0	93.4	95.7	91.4	86.8	81.3	77.9	71.6	65.8	60.9	56.7	51.5	46.2	36.8	2185	7.0	-	2043	93.7
R-ZS-7	Zone S fill - CH 33+62	939.5	13	20	7	9.0	100.0	95.8	-	91.8	89.2	86.2	80.7	76.1	70.7	65.9	61.8	58.0	53.1	47.3	36.7	2195	6.9	-	2110	96.1
R-ZS-8	Zone S fill - CH 27+60	940.6	13	22	7	12.1	100.0	100.0	100.0	97.4	94.1	91.9	88.4	84.6	80.6	76.8	73.5	70.2	64.7	56.2	46.3	2115	9.6		2054	10.9
R-ZS-9[3]	Zone S fill - CH 37+44	937.6	-	-	-	11.2	100.0	100.0	100.0	97.6	93.9	92.1	-	86.9	83.1	76.1	71.2	66.0	62.3	54.8	43.9	2260	9.8	-	2114	101.6
R-ZS-10	Zone S fill - CH 13+70	939.0	-	-	-	11.7	100.0	100.0	100.0	100.0	98.8	97.3	-	92.9	83.4	83.4	79.0	74.5	70.0	64.3	33.2	2020	10.8	-	2010	99.5
		MEAN	16	25	9	11.7	100.0	99.6	98.8	97.0	94.6	92.2	87.5	84.9	80.1	73.3	70.9	66.6	61.4	54.3	45.9	2098	9.2	2.70		
		MEDIAN	16	25	9	11.8	100.0	100.0	100.0	97.2	94.0	92.0	87.8	85.0	80.2	73.6	71.1	67.0	62.4	54.7	45.7	2095	9.3	2.70		
		MAXIMUM	18	29	12	13.1	100.0	100.0	100.0	100.0	99.6	98.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	64.5	55.4	2195	10.8	2.70		
		MINIMUM	13	20	7	9.0	100.0	95.8	95.3	91.8	89.2	86.2	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.2	36.7	2006	6.9	2.70		

1 Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318) R4 Laboratory Compaction (ASTM D1557)

R2 Moisture Content (ASTM D2216) R6 Bulk Specific Gravity (ASTM C127)

R3 Particle Size Distribution (ASTM D422)

2 The field density of R-ZS-6 is 2048 kg/m³ or 93.7% of the Standard Proctor Maximum. The average of 16 field density tests taken in the same lift is 2094 kg/m³ or 95.9%. The lift was approved on the basis of these results.

3 Samples tested by KP personnel in MPMC soils lab.

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S RECORD TEST SUMMARY SHEET

A:\R-ZS-SUI Lab Summary Table

03-Mar-00

				R1			R2	R3 (Particle Size Distribution)															R4		R6	R7	
Date Sampled	Sample No.	Location	Elev. (m)	Atterberg Limits			Field m/c	152.4	76.2	50.8	38.1	25.4	19.05	12.7	9.525	4.75	2	0.85	0.425	0.25	0.15	0.075	Standard Proctor		Specific Gravity	Field Density	
				PL	LL	PI		6	3	2	1.5	1.000	0.750	0.500	0.375	#4	#10	#20	#40	#60	#100	#200	Max Dry Density kg/m³	Optimum m/c %		Dry Density kg/m³	Compaction %
				%	%	%	%	6	3	2	1 1/2	1	3/4	1/2	3/8	#4	#10	#20	#40	#60	#100	Clay					
05-Oct-99	R-ZS-1	Zone S fill - lift #2, CH 30+13	-	18	29	11	11.1	100.0	100.0	97.9	95.4	92.1	83.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.7	44.3	2165	8.8	-	2111	97.5
01-Nov-99	R-ZS-2	Zone S fill - lift #4, CH 31+38	-	16	28	11	11.5	100.0	100.0	98.0	97.0	93.7	90.7	90.0	85.4	80.3	73.1	70.7	66.6	60.9	53.1	45.0	2110	8.4	2.701	2084	98.8
27-Nov-99	R-ZS-3	Zone S fill - lift #4, CH 29+79	-	16	27	12	13.1	100.0	100.0	95.3	94.1	92.5	90.7	87.1	83.8	80.0	73.0	70.9	67.3	62.4	54.5	47.5	2075	9.0	-	2047	98.7
17-Dec-99	R-ZS-4	Zone S fill - Lift #2, CH 39+31	936.9	15	24	9	13.0	100.0	100.0	100.0	99.7	99.6	98.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	59.2	55.4	2050	10.8	-	2029	100.0
09-Jan-00	R-ZS-5	Zone S fill - Lift #4, CH 40+80	938.3	17	26	9	12.1	100.0	100.0	100.0	100.0	98.3	96.7	94.9	93.2	88.9	83.0	77.7	73.0	65.9	60.5	49.4	2006	10.4	-	2094	104.4
27-Jan-00	R-ZS-6[2]	Zone S fill - CH 29+60	940.7	15	22	7	11.8	100.0	100.0	93.4	95.7	91.4	86.8	81.3	77.9	71.6	65.8	60.9	56.7	51.5	46.2	36.8	2185	7.0	-	2043	93.7
04-Feb-00	R-ZS-7	Zone S fill - CH 33+62	939.5	13	20	7	9.0	100.0	95.8	-	91.8	89.2	86.2	80.7	76.1	70.7	65.9	61.8	58.0	53.1	47.3	36.7	2195	6.9	-	2110	96.1
17-Feb-00	R-ZS-8	Zone S fill - CH 27+60	940.6	13	22	7	12.1	100.0	100.0	100.0	97.4	94.1	91.9	88.4	84.6	80.6	76.8	73.5	70.2	64.7	56.2	46.3	2115	9.6		2054	10.9
25-Feb-00	R-ZS-9[3]	Zone S fill - CH 17+44	937.6	-	-	-	11.2	100.0	100.0	100.0	97.6	93.9	92.1	-	86.9	80.1	76.1	71.2	66.0	62.3	54.8	43.9	2060	9.8	-	2114	101.6
28-Feb-00	R-ZS-10	Zone S fill - CH 13+70	939.0	-	-	-	11.7	100.0	100.0	100.0	100.0	98.8	97.3	-	92.9	83.4	83.4	79.0	74.5	70.0	64.3	33.2	2020	10.8	-	2010	99.5
			MEAN	16	25	9	11.7	100.0	99.6	98.8	97.0	94.6	92.2	87.5	84.9	80.1	73.3	70.9	66.6	61.4	34.3	45.9	2098	9.2	2.70		
			MEDIAN	16	25	9	11.8	100.0	100.0	100.0	97.2	94.0	92.0	87.8	85.0	80.2	73.6	71.1	67.0	62.4	34.7	45.7	2095	9.3	2.70		
			MAXIMUM	18	29	12	13.1	100.0	100.0	100.0	100.0	99.6	98.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	64.5	55.4	2195	10.8	2.70		
			MINIMUM	13	20	7	9.0	100.0	95.8	95.3	91.8	89.2	86.2	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.2	36.7	2006	6.9	2.70		

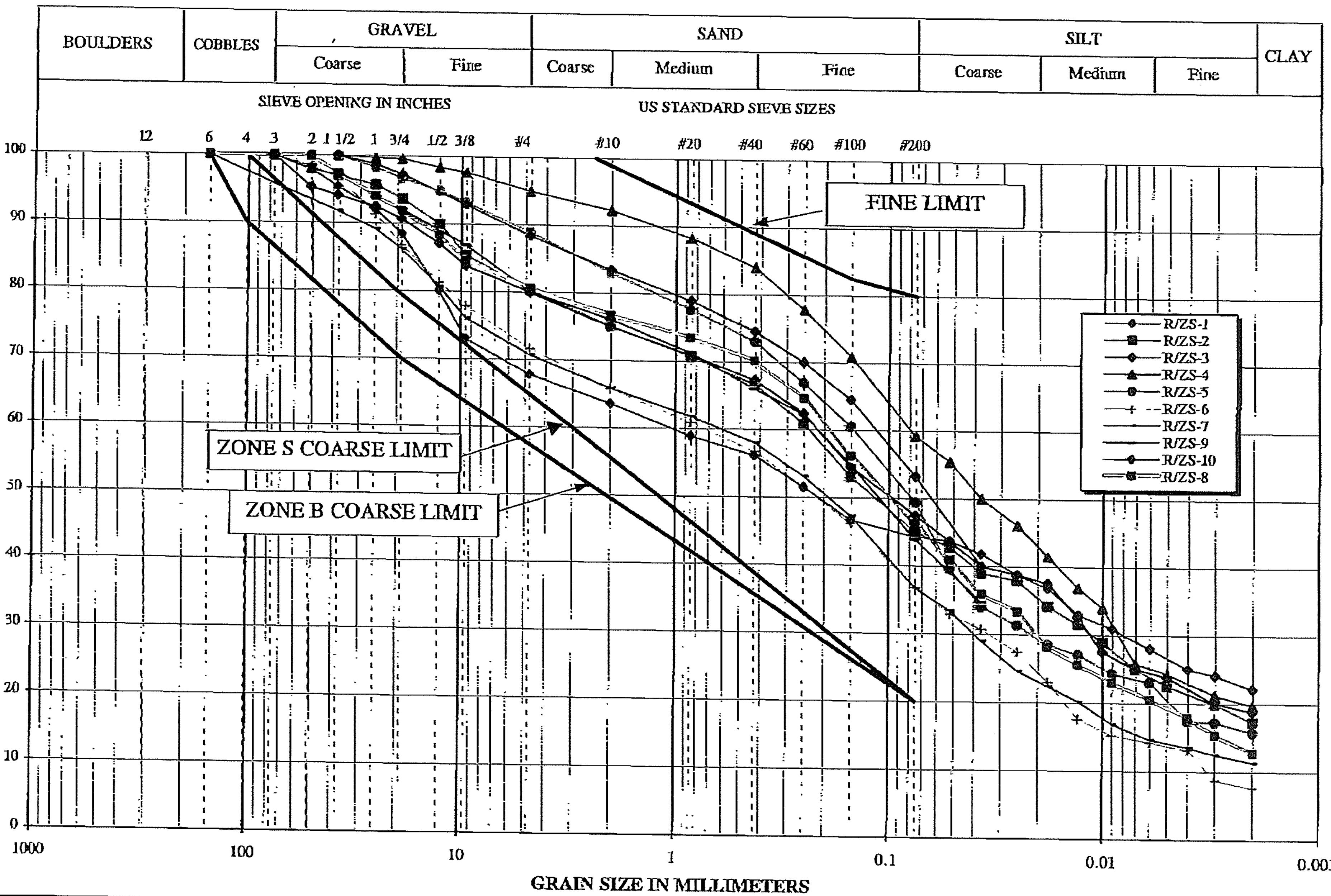
Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Bulk Specific Gravity (ASTM C127)

2. Field dry density of R-ZS-6 is 2048 kg/m³ or 93.7% of the Standard Proctor Maximum. The average of 16 field density tests taken in the same lift is 2094 kg/m³ or 95.9%. The lift was approved on the basis of these results.
3. Samples tested by KP personnel in MPMC soils lab.

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S RECORD SAMPLES - GRADATION CURVES



Knight Piésold
CONSULTING

Knight Piésold, Mt. Polley Site
Fax: (250) 790-2268
Phone: (250) 790-2215

DATE:	March 8, 2000	**FILE NO.:**	11162/13.F01/F05
TIME:		**REF NO.:**	00-016
OPERATOR:		**PAGES:**	1 of 27
SENDER:	Jeremy Kinch	**APPROVED:**	

TO:	KP Vancouver	**FAX :**	604-685-0147
ATTN:	Ken Brouwer		
CC:	George Headley, MEM		
SUBJECT:	Progress Report No. 13		

Dear Ken

Attached in Progress Report No. 13 for Stage 2C Construction at the Mount Polley Mine TSF. This document is for the reporting period February 16 to 29, 2000.

Regards,

Jeremy Kinch

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 13
FEBRUARY 16 TO 29, 2000

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Jeremy Kinch (JRK).
- Guy Edwards (GE) on site February 16. GE conducted construction monitoring on night shift, and performed additional soils lab work.

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Larry Raymond, Operations Supervisor
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were typically clear, at times unusually warm, and with some snowfall at the end of the reporting period. Temperatures varied from lows of -15° to highs of 8° C.

Snow, contributing to dangerously slick running surfaces, forced the suspension of construction activities on February 26, and on the evenings of February 27 and 29.

1.3 DESIGN AND CONTRACT DEVELOPMENT

The design change requested in early February (Ref. No. 00/009, February 7, 2000) was approved. This design change allows the slope of the Zone S/Zone CS interface on the Main Embankment to vary from 1.375H:1V to 1.875H:1V. Additionally, Zone B glacial till is allowed in the upstream fill zone above elevation 939 m.

Preparations for storage of cycloned sand in Borrow No.4 began near the end of the reporting period.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations were terminated on October 19, 1999. During most of this reporting period, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. At the end of the reporting period, the tailings discharge location was moved to CH 32+00 on the Perimeter Embankment.

Following Stage 2C construction, bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond.

Cyclone operations may resume shortly in Borrow #4 following construction of underdrains.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The MPMC Tailings Crew is responsible for foundation and grade preparation prior to fill placement, and for borrow area development. Peterson Contracting is responsible for loading, hauling and placing fill, and maintenance of haul roads.

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The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Zone B, S and CS surface preparation was carried out as required prior to placement of each lift. This included stripping of ice, snow and loose frozen fill from all surfaces prior to fill placement.

- Both dayshift and nightshift Zone B, S and CS fill placement was carried out over the reporting period. Dayshift construction activities took place on February 16 to 20, February 22 to 25, and February 27 to 29. Nightshift work activities were carried out on February 17 to 21, February 23 to 25, and February 28.

- Zone B and S fill placement activities were carried out along the Main Embankment from CH 15+50 to CH 27+90. The majority of the Main Embankment crest was raised to final elevation 941 m, however the south abutment area at approximately CH 16+00 is at 938.5 m, and the region around CH 26+60 is at 939 m.

- The Perimeter Embankment was completed with final lifts constructed at the left (west) abutment CH 44+65 to 44+85. This was done following the removal of the Polley Lake water line.

- Cyclone sand was mechanically placed in Zone CS to a minimum elevation of 939 m from CH 16+20 to CH 26+20. It was placed to an average elevation of 938.6 m from 15+80 to 16+00 on the west side of the upstream toe drain outlet. The final surface of Zone CS was surveyed before Zone B till was placed on it. Cyclone sand proved to a suitable construction material, with excellent trafficability after compaction. Dry densities of approximately 1750 kg/m^3 were attained at moisture contents of approximately 14 %.

- Till material placed in Zones B and S came from Borrow Area No. 2. Preparatory work in the borrow area included removal of unsuitable and frozen material. Frost penetration up to approximately 1 m was observed.

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Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
Till (Zones S & B)	54,811	205,059	178,500	113
CBL (rockfill)	0	33,149	33,149	100
F (filter sand)	0	2,300	2,300	100
Stg 3 toe berm (rockfill)	0	3,507	-	-

Notes: 1. Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change.

2. Fill volumes placed are based on load counts and are supplied by MPMC. Final volumes will be confirmed by as-built survey.

A summary of fill placement to date is shown on Figure 1.

Miscellaneous

- The upstream toe drain connector pipe of the Perimeter Embankment was extended and capped to avoid burying it with tailings.
- The tailings pipeline that had been set out along the Perimeter Embankment was bolted together. Tailings are now being discharged at CH 32+00.
- The clearing of Borrow Area #4 commenced in preparation for cycloning.
- The water line from the Main Embankment Seepage Collection Pond was dismantled to allow fill placement on the Main Embankment. The line should be reinstated, and pumping resumed, as soon as possible.

- The water line from the Perimeter Embankment Seepage Collection Pond was pulled up from below the road grade. It now rests on top of the road surface, and is protected from traffic. The pond level has been lowered by approximately 1 m.

- Cycloned Sand was placed in the undercut upstream toe of Zone CS between CH 19+40 to 20+40.

- Significant amounts of Cycloned Sand were added to Zones B & S between CH 26+50 to 26+70 on the Main Embankment. This was done with the purpose of providing increased bearing capacity in a high traffic area, which had become very soft and heavily rutted. This material is to be removed from the Embankment at a later date.

- Development continued in the Rock Borrow.

- The Foundation was prepared at the right (south) abutment of the Main Embankment. Organics were removed, and a dense glacial till was exposed.

- Grader work was carried out along TSF access roads.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- All lifts were tested before being approved. If any concern was had with the compaction, the compactive effort was increased.

- A total of 331 field density tests were conducted on Zone S material during the reporting period. Measured dry densities ranged from 2010 to 2255 kg/m^3, and moisture contents ranged from 6.7 to 11.3 percent. The average measured dry density for Zone S was 98.1 percent of the Standard Proctor Maximum, well above the minimum requirement of 95 percent.

- A total of 49 field density tests were conducted on Zone B material during the reporting period. Measured dry densities ranged from 1956 to 2197 kg/m^3, and moisture contents ranged from 7.43 to 11.79 percent. The average measured dry density for Zone B was 97.4 percent of the Standard Proctor Maximum, well above the minimum requirement of 92 percent.

- A total of 19 field density tests were conducted on roller compacted cyclone sand in Zone CS. Measured dry densities ranged from 1666 to 1808 kg/m^3, and moisture contents ranged from 7.26 to 21.3 percent. The average measured dry density for Zone CS was 101.7 percent of the Standard Proctor Maximum, well above the minimum requirement of 95 percent.

Field density test results are summarized in the following table.

Embankment Zone	Number of Tests	Dry Density		Moisture Content		Average Compaction
		min	max	min	Max	% of the Standard Proctor
S	331	2010	2255	6.7	11.3	98.1%
B	49	1956	2197	7.43	11.79	97.4%
CS	19	1666	1808	7.26	21.3	101.7%

- KP provided ongoing monitoring of the following: stripping of unsuitable materials within Borrow Area No.2, excavated till materials for embankment construction, embankment surfaces prior to fill placement, lift thickness.

<u>Miscellaneous</u>

- Progress Report No. 12 was written and issued for the reporting period February 1 to 15, 2000.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

JRK and GE read all active TSF piezometers on February 22 & 29. Six new piezometers were installed during the reporting period. Piezometers A0-PE1-01, A2-PE1-02, B0-PE1-01, B2-PE1-02, C0-PE1-01, and C2-PE1-02 are all working and are yielding results.

Piezometers within the Perimeter Embankment cyclone sand downstream trial berm are no longer monitored as drained conditions have been achieved. Note that there are no working foundation piezometers in Plane D.

The following observations are based on the summary data shown on Figures 2 to 9.

- Foundation Piezometers
  All foundation piezometers have generally remained static.

- Fill Piezometers
  Fill piezometers have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static and at very low head. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers

  Plane C tailings piezometers stopped functioning at the end of May 1999. Readings from Plane A and B tailings piezometers continue to mimic the pond level.

3.2.3 Drain Flows

The Main Embankment Seepage Collection Pond has been pumped down, however the water level is still above the drain outlets. Pumping should be restarted to further lower the water level to allow the foundation drain flows to be recorded. These flows have not been recorded since December 1998.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Results from Control Sample C/ZS-7 and Record Sample R/ZS-6, collected on January 26, 2000, were received. In-house testing was conducted on 4 samples: C/ZS-10, R/ZS-9, R/ZS-10, and R/ZCS(B)-1.

All Zone S samples met the gradation specifications for Zone S and Zone B material. The mechanically placed cycloned sand sample, R/ZCS(B)-1, was a well sorted silty sand. Both control samples, and all of the Zone S till record samples come from Borrow Area #2.

The results for samples R/ZS-8 and C/ZS-9 are pending.

Submitted by,

Jeremy Kinch
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/Ken Embree, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY

SUMMARY OF FILL PLACEMENT

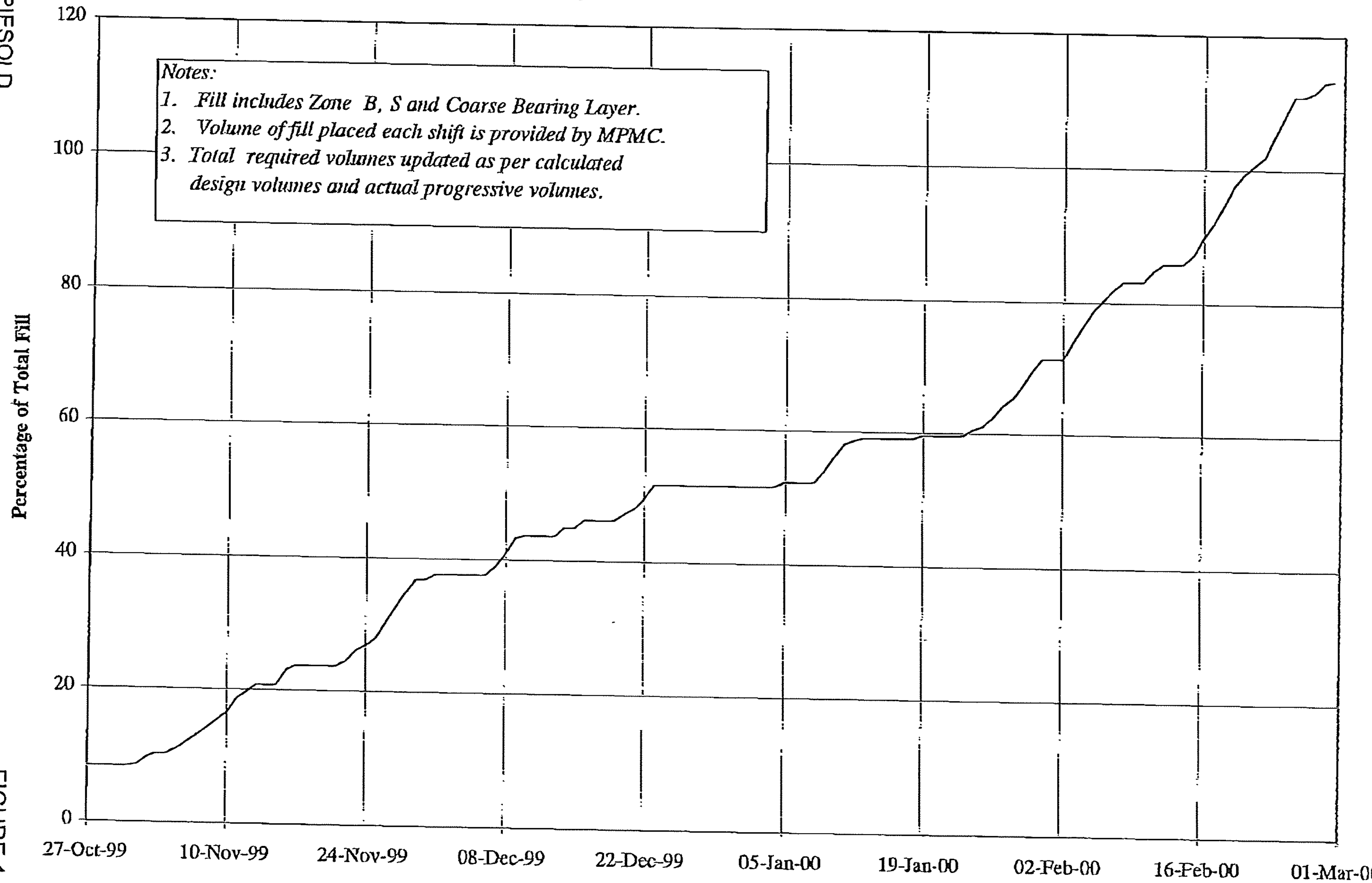

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FIGURE 1

MOUNT POLLEY MINING CORPORATION
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TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE CS RECORD TEST SUMMARY SHEET

A:\R-ZCS-SUM.xls]rotate

01-Mar-00

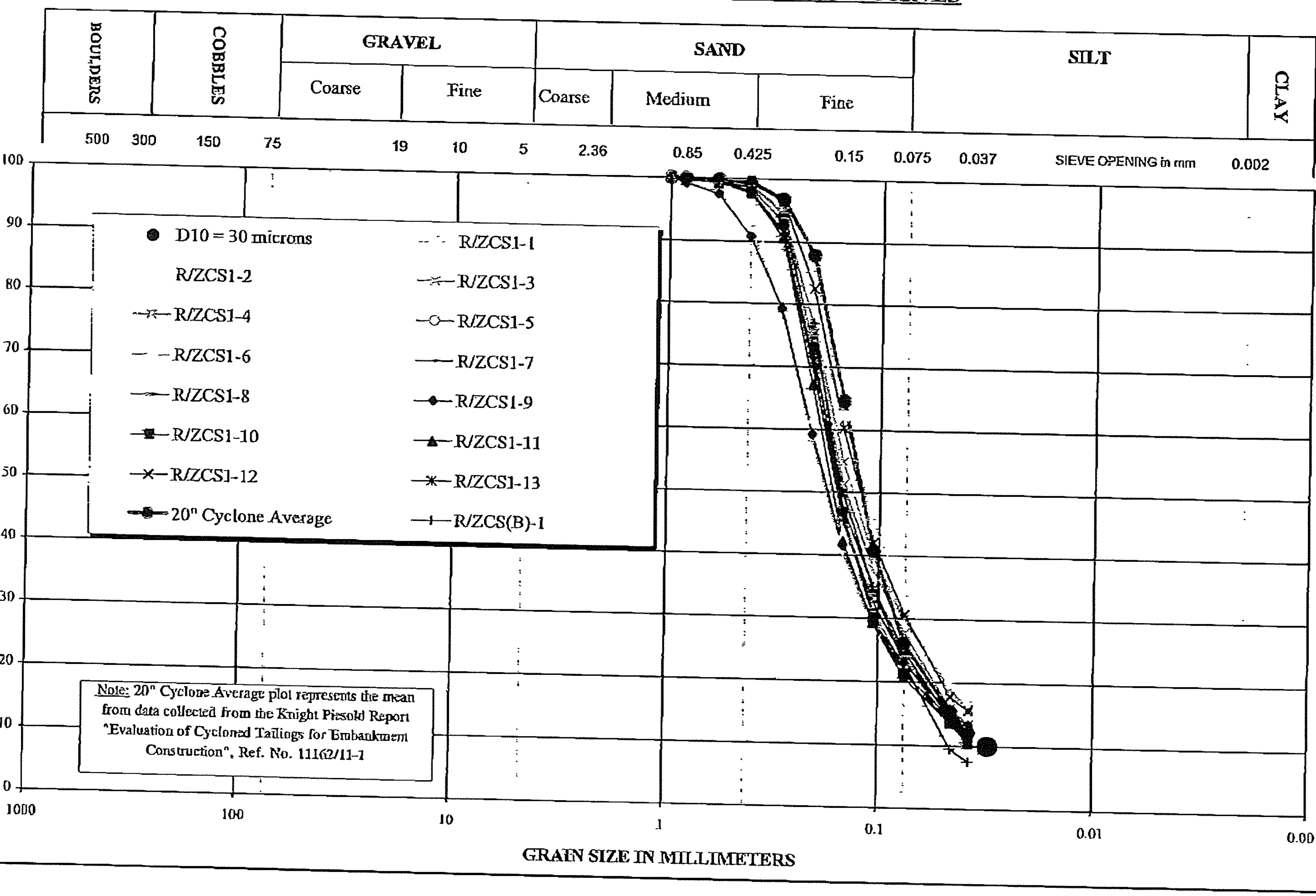
Date Sampled	Sample No.	Location on Embankment	Elev. (m)	R1 Atterberg Limits PL %	LL %	PI %	R2 Field m/c %	R3 (Particle Size Distribution) Grain Size in mm 1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	R4 Standard Proctor Max.Dry Density kg/m³	Optimum m/c %	R6 Specific Gravity	R7 Field Density Dry Density kg/m³	m/c %	Compaction %
								U.S. Standard Sieve Sizes #16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400						
-	R/ZCS1-1	17+00 TOP	-	-	-	-	-	100.0	99.94	99.79	98.06	92.41	76.65	62.35	45.06	33.59	19.92	16.32	-	-	-	-	-	-
-	R/ZCS1-2	18+75 TOP	-	-	-	-	-	100.0	99.80	99.18	94.85	81.95	61.73	43.20	30.95	22.85	14.8	12.3	-	-	-	-	-	-
-	R/ZCS1-3	20+75 TOP	-	-	-	-	-	100.0	99.9	99.8	98.7	93.4	76.7	54.9	39.7	29.9	18.7	15.8	-	-	-	-	-	-
-	R/ZCS1-4	17+00 MID	-	-	-	-	-	100.0	100.0	99.8	98.9	94.8	74.7	51.1	37.9	27.6	15.9	13.4	-	-	-	-	-	-
-	R/ZCS1-5	24+00 MID	-	-	-	-	-	100.0	99.8	99.5	98.7	94.5	76.3	50.5	34.1	24.1	14.5	11.6	-	-	-	-	-	-
-	R/ZCS1-6	18+75 MID	-	-	-	-	-	100.0	99.1	97.9	92.4	78.8	58.3	40.5	28.9	22.0	14.3	12.2	-	-	-	-	-	-
-	R/ZCS1-7	20+75 MID	-	-	-	-	-	100.0	99.9	99.6	97.8	91.3	69.6	45.7	32.6	23.6	13.6	11.9	-	-	-	-	-	-
-	R/ZCS1-8	17+00 BTM	-	-	-	-	-	100.0	100.0	99.9	99.1	94.4	72.5	45.5	31.3	21.9	13.5	11.1	-	-	-	-	-	-
-	R/ZCS1-9	18+75 BTM	-	-	-	-	-	100.0	99.2	97.5	90.8	79.3	59.3	41.5	29.5	23.0	15.3	13.3	-	-	-	-	-	-
-	R/ZCS1-10	20+75 BTM	-	-	-	-	-	100.0	99.9	99.6	98.5	92.9	72.9	47.0	30.1	21.4	14.6	10.6	-	-	-	-	-	-
-	R/ZCS1-11	24+00 BTM	-	-	-	-	-	100.0	99.7	99.3	97.8	90.6	67.1	42.2	29.3	20.7	13.6	10.5	-	-	-	-	-	-
19-Aug-99	R/ZCS1-12	22+40, 15m U/S Sal.	939.0	-	-	-	11.6	100.0	100.0	99.9	99.4	96.4	82.6	60.3	42.1	30.6	17.7	15.5	1675	17.3	-	1621	11.6	95.8
19-Aug-99	R/ZCS1-13	20+00, 10m U/S Sal.	940.0	-	-	-	3.3	100.0	99.9	99.6	98.0	91.5	71.0	50.0	34.7	25.0	14.2	12.3	1720	17.0	-	1619	3.3	94.1
01-Mar-00	R/ZCS(B)-1	17+90	939.5	-	-	-	11.8	99.7		99.4	98.7		77.0	47.7	35.0	23.0	9.5	7.5	1730	15.5		1704	11.8	98.5
	20" Cyclone Average	-	-	-	-	-	-	100.0	99.9	99.8	99.4	96.8	87.8	64.6	40.7	26.0	15.4	12.1	-	-	-	-	-	-
			MEAN	-	-	-	8.9	100.0	99.8	99.4	97.4	90.6	72.3	49.8	34.8	25.0	15.0	12.4	1708	16.6	#DIV/0!	1648	8.9	96.5
			MEDIAN	-	-	-	11.6	100.0	99.9	99.6	98.5	92.6	72.9	47.7	34.1	23.6	14.6	12.2	1720	17.0	#NUM!	1621	11.6	96.8
			MAXIMUM	0.0	0.0	0.0	11.8	100.0	100.0	99.9	99.4	96.8	87.8	64.6	45.1	33.6	19.9	16.3	1730	17.3	0.00	1734	11.8	96.5
			MINIMUM	0.0	0.0	0.0	3.3	99.7	99.1	97.5	90.8	78.8	58.3	40.5	28.9	20.7	9.5	7.5	1675	15.5	0.00	1619	3.3	94.1

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Specific Gravity (ASTM D854)
R7 Density by Nuclear Methods (ASTM D2922)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
ZONE CS1 - RECORD SAMPLES - GRADATION CURVES



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CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S CONTROL TEST SUMMARY SHEET

A:\(C-ZS SUM.xls)Summary Table

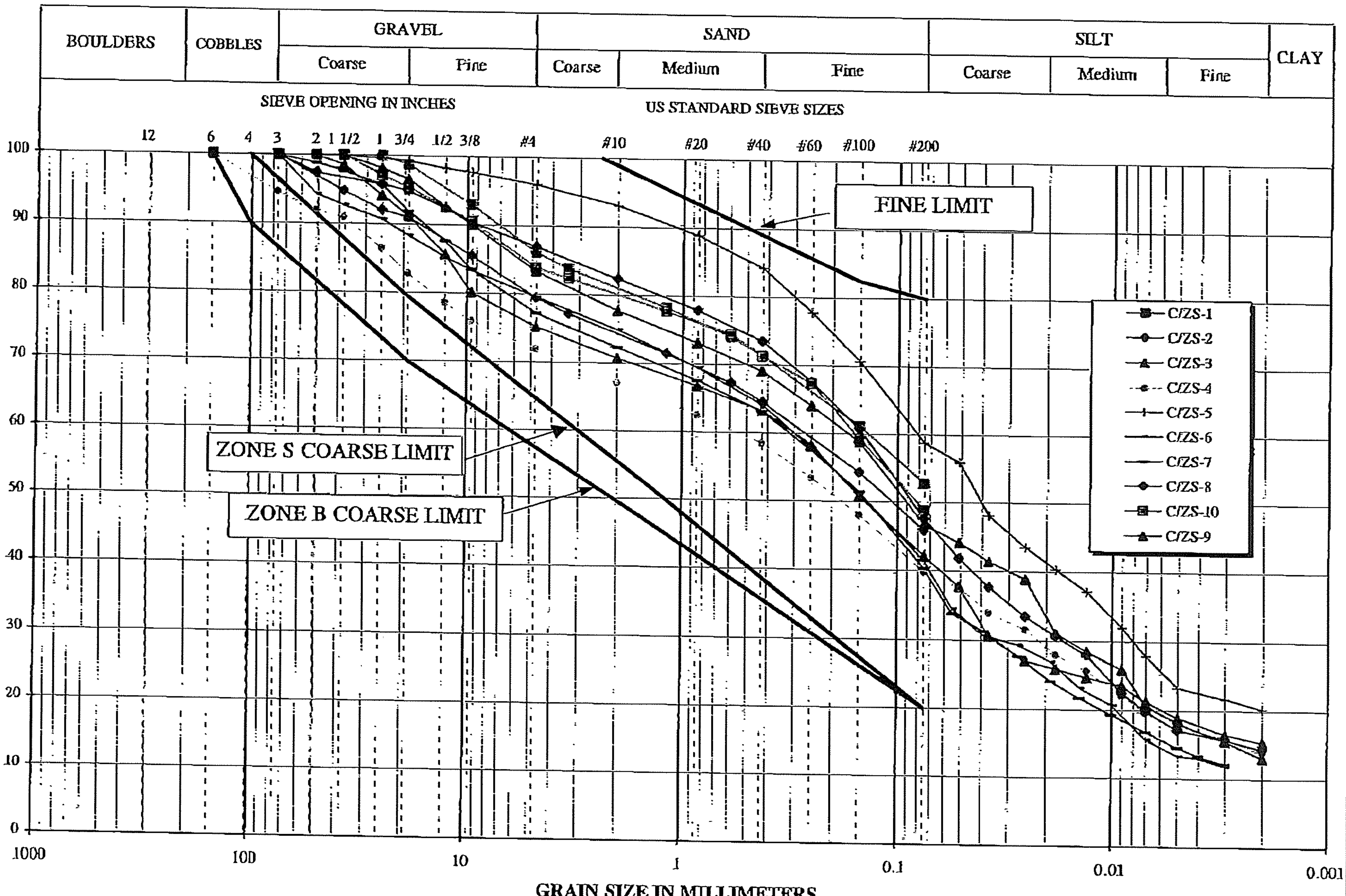
04-Mar-00

Date Sampled	Sample No.	Location	Elev. (m)	C1 Atterberg Limits PL %	C1 LL %	C1 PI %	C2 Lab m/c %	C3 (Particle Size Distribution) 152.4 / 6 / 6	76.2 / 3 / 3	50.8 / 2 / 2	38.1 / 1.5 / 1 1/2	25.4 / 1 / 1	19.05 / 0.750 / 3/4	12.7 / 0.500 / 1/2	9.525 / 0.375 / 3/8	4.75 / #4 / #4	3.353 / 0.132 / #6	2 / #10 / #10	1.191 / 0.047 / #16	0.85 / #20 / #20	0.594 / 0.023 / #30	0.425 / #40 / #40	0.25 / #60 / #60	0.15 / #100 / #100	0.075 / #200 / Clay	C4 Standard Proctor Max Dry Density kg/m³	C4 Optimum m/c %	C6 Specific Gravity
03-Sep-99	C/ZS-1	Borrow Area 2, Exc. Face	-	18	26	8	-	100.0	100.0	100.0	100.0	100.0	93.7	-	93.0	86.1	83.8	-	78.2	-	74.1	71.4	-	61.1	52.8	2015	13.2	-
22-Sep-99	C/ZS-2	Borrow Area 2, Exc. Face	-	17	27	10	11.6	100.0	100.0	100.0	94.8	92.1	91.0	-	85.6	79.5	77.2	-	71.5	-	67.4	64.6	-	54.3	45.8	2042	10.6	-
29-Nov-99	C/ZS-3	Borrow Area 2, Exc. Face	-	13	24	10	12.1	100.0	100.0	100.0	98.5	94.2	91.2	85.7	80.1	75.2	-	70.7	-	66.8	-	63.3	58.3	50.7	42.1	2180	7.6	2.649
08-Dec-99	C/ZS-4	Borrow Area 2, Exc. Face	-	15	25	10	11.7	100.0	94.6	-	90.9	86.5	82.8	78.6	75.9	71.9	-	67.1	-	62.5	-	58.5	53.4	48.0	39.8	2205	7.4	2.674
17-Dec-99	C/ZS-5	Borrow Area 4, Exc. Face	-	15	25	10	15.7	100.0	100.0	100.0	100.0	99.6	99.2	98.2	97.7	96.0	-	93.1	-	88.9	-	84.3	77.8	70.7	58.8	1932	11.6	2.624
09-Jan-00	C/ZS-6	Borrow Area 2, Exc. Face	-	15	24	8	11.7	100.0	100.0	94.3	92.7	90.7	88.4	85.3	83.4	79.6	-	74.9	-	69.5	-	64.2	57.8	51.2	41.1	2103	7.7	2.651
26-Jan-00	C/ZS-7	Borrow Area 2, Exc. Face	-	15	22	7	10.7	100.0	100.0	93.8	97.7	95.7	91.9	87.6	83.5	77.2	-	72.3	-	67.6	-	63.2	57.5	51.4	40.3	2136	7.5	2.627
04-Feb-00	C/ZS-8	Borrow Area 2, Exc. Face	-	14	23	9	13.5	100.0	100.0	97.4		95.8	94.9	92.4	90.4	87.0	-	82.4	-	77.9	-	73.5	67.6	60.7	47.6	2015	10.0	
19-Feb-00	C/ZS-9	Borrow Area 2, Exc. Face		16	23	8	10.6	100.0	100.0	100.0	100.0	98.1	96.6	92.6	90.1	83.4		77.7		73.1		69.1	64.1	58.8	46.7	2095	9.8	2.638
21-Feb-00	C/ZS-10	Borrow Area 2, Exc. Face		-	-	-	10.7	100.0	100.0	100.0	100.0	97.1	95.4		90.5	83.9	82.4		77.7		74.5	71.3	67.4	59.3	48.8	2040	9.5	-
			MEAN	15	24	9	12.0	100.0	99.5		97.2	95.0	93.0	88.6	87.0	82.0		76.9		72.3		68.3	63.0	56.6	46.4	2084	9.3	2.64
			MEDIAN	15	24	9	11.7	100.0	100.0		98.5	95.8	93.4	87.6	87.8	81.5		74.9		69.5		66.8	61.2	56.5	46.3	2010	9.7	2.64
			MAXIMUM	18	27	10	15.7	100.0	100.0		100.0	100.0	99.2	93.2	97.7	95.0		93.1		88.9		84.3	77.8	70.7	58.8	2205	11.6	2.67
			MINIMUM	14	22	7	10.6	100.0	94.6		90.9	86.5	82.8	78.6	75.9	71.9		67.1		62.5		58.5	53.4	48.0	39.8	1932	7.4	2.62

Notes:
1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

C1 Atterberg Limits (ASTM D4318)
C2 Moisture Content (ASTM D2216)
C3 Particle Size Distribution (ASTM D422)
C4 Laboratory Compaction (ASTM D698)
C6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S CONTROL SAMPLES - GRADATION CURVES



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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE CS RECORD TEST SUMMARY SHEET

A:\R-ZCS-SUI Lid...

(4-Mar-00)

Date Sampled	Sample No.	Location on Embankment	Elev. (m)	R1 Atterberg Limits PL %	R1 LL %	R1 PI %	R2 Field m/c %	R3 Grain Size 1.00 mm (#16)	0.85 (#20)	0.60 (#28)	0.43 (#35)	0.30 (#48)	0.212 (#65)	0.150 (#100)	0.106 (#150)	0.075 (#200)	0.045 (#325)	0.037 (#400)	R4 Standard Proctor Max Dry Density kg/m³	R4 Optimum m/c %	R6 Specific Gravity	R7 Field Density Dry Density kg/m³	R7 m/c %	Compaction %
-	R/ZCS1-1	17+00 TOP	-	-	-	-	-	100.0	99.94	99.79	98.06	92.47	76.65	62.35	45.06	33.59	19.92	16.32	-	-	-	-	-	-
-	R/ZCS1-2	18+75 TOP	-	-	-	-	-	100.0	99.80	99.18	94.85	81.95	61.73	43.20	30.95	22.85	14.8	12.3	-	-	-	-	-	-
-	R/ZCS1-3	20+75 TOP	-	-	-	-	-	100.0	99.9	99.8	93.7	90.4	76.7	51.9	39.7	29.9	18.7	15.8	-	-	-	-	-	-
-	R/ZCS1-4	17+00 MID	-	-	-	-	-	100.0	100.0	99.8	98.9	94.8	74.7	51.1	37.9	27.6	15.9	13.4	-	-	-	-	-	-
-	R/ZCS1-5	24+00 MID	-	-	-	-	-	100.0	99.8	99.5	98.7	94.5	76.3	50.5	34.1	24.1	14.5	11.6	-	-	-	-	-	-
-	R/ZCS1-6	18+75 MID	-	-	-	-	-	100.0	99.1	97.9	92.4	78.8	58.3	40.5	28.9	22.0	14.3	12.2	-	-	-	-	-	-
-	R/ZCS1-7	20+75 MID	-	-	-	-	-	100.0	99.9	99.6	97.8	91.3	69.6	45.7	32.6	23.6	13.6	11.9	-	-	-	-	-	-
-	R/ZCS1-8	17+00 BTM	-	-	-	-	-	100.0	100.0	99.9	99.1	94.4	72.5	45.5	31.3	21.9	13.5	11.1	-	-	-	-	-	-
-	R/ZCS1-9	18+75 BTM	-	-	-	-	-	100.0	99.2	97.5	90.8	79.3	59.3	41.5	29.5	23.0	15.3	13.3	-	-	-	-	-	-
-	R/ZCS1-10	20+75 BTM	-	-	-	-	-	100.0	99.9	99.6	98.5	92.9	72.9	47.0	30.1	21.4	14.6	10.6	-	-	-	-	-	-
-	R/ZCS1-11	24+00 BTM	-	-	-	-	-	100.0	99.7	99.3	97.8	90.6	67.1	42.2	29.3	20.7	13.6	10.5	-	-	-	-	-	-
19-Aug-99	R/ZCS1-12	22+00, 15m U/S SnL	939.0	-	-	-	11.6	100.0	100.0	99.9	99.4	96.4	82.6	60.3	42.1	50.6	17.7	15.5	1675	17.3	-	1621	11.6	96.8
19-Aug-99	R/ZCS1-13	20+00, 10m U/S SnL	940.0	-	-	-	3.3	100.0	99.9	99.6	98.0	91.5	71.0	50.0	34.7	25.0	14.2	12.3	1720	17.0	-	1619	3.3	94.1
04-Mar-00	R/ZCS(B)-1	17+90	939.5				11.8	99.7		99.4	98.7		77.0	47.7	35.0	23.0	9.5	7.5	1730	15.5		1704	11.8	98.5
	20" Cyclone Average	-	-	-	-	-	-	100.0	99.9	99.8	99.4	96.8	87.8	64.6	40.7	26.0	15.4	12.1	-	-	-	-	-	-
			MEAN	#DIV/0!	#DIV/0!	#DIV/0!	8.9	100.0	99.8	99.4	97.4	93.6	72.3	49.8	34.8	25.0	15.0	12.4	1708	16.6	#DIV/0!	1648	8.9	96.5
			MEDIAN	#NUM!	#NUM!	#NUM!	11.6	100.0	99.9	99.6	98.5	92.6	72.9	47.7	34.1	23.6	14.6	12.2	1720	17.0	#NUM!	1621	11.6	96.8
			MAXIMUM	0.0	0.0	0.0	11.8	100.0	100.0	99.9	99.4	96.8	87.8	64.6	45.1	33.6	19.9	16.3	1730	17.3	0.00	1704	11.8	98.5
			MINIMUM	0.0	0.0	0.0	3.3	99.7	99.1	97.5	90.8	78.8	58.3	40.5	28.9	20.7	9.5	7.5	1675	15.5	0.00	1619	3.3	94.1

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Specific Gravity (ASTM D854)
R7 Density by Nuclear Methods (ASTM D2922)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S RECORD TEST SUMMARY SHEET

A:\R-ZS-SD\Lab\Summary Table 05-Mar-00

Date Sampled	Sample No.	Location	Elev. (m)	R1 Atterberg Limits PL %	LL %	PI %	R2 Field m/c %	R3 (Particle Size Distribution) 152.4 / 6 / 6	76.2 / 3 / 3	50.8 / 2 / 2	38.1 / 1.5 / 1 1/2	25.4 / 1.000 / 1	19.05 / 0.750 / 3/4	12.7 / 0.500 / 1/2	9.525 / 0.375 / 3/8	4.75 / #4 / #4	2 / #10 / #10	0.85 / #20 / #20	0.425 / #40 / #40	0.25 / #60 / #60	0.15 / #100 / #100	0.075 / #200 / Clay	R4 Standard Proctor Max Dry Density kg/m^3	Optimum m/c %	R6 Specific Gravity	R7 Field Density Dry Density kg/m^3	Compaction %
05-Oct-99	R-ZS-1	Zone S fill - lift #2, CH 30+13	-	18	29	11	11.1	100.0	100.0	97.9	95.4	92.1	88.5	80.4	73.0	67.8	63.6	58.9	56.1	51.5	46.7	44.3	2165	8.8	-	2111	97.5
09-Nov-99	R-ZS-2	Zone S fill - lift #4, CH 31+38	-	16	28	11	11.5	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	75.1	70.7	66.6	60.9	53.1	45.0	2110	8.4	2.701	2084	98.8
27-Nov-99	R-ZS-3	Zone B fill - lift #4, CH 29+79	-	16	27	12	13.1	100.0	100.0	93.3	94.1	92.5	90.7	87.1	83.8	80.0	75.0	70.9	67.3	62.4	54.5	47.5	2075	9.0	-	2047	98.7
17-Dec-99	R-ZS-4	Zone S fill - Lift #2, CH 39+31	936.9	15	24	9	13.0	100.0	100.0	100.0	99.7	99.6	93.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	59.2	55.4	2000	10.8	-	2009	100.0
09-Jan-00	R-ZS-5	Zone S fill - Lift #4, CH 40+80	938.3	17	26	9	12.1	100.0	100.0	100.0	100.0	98.3	96.7	94.9	93.2	83.9	83.0	77.7	73.0	66.9	60.5	49.4	2006	10.4	-	2094	104.4
27-Jan-00	R-ZS-6[2]	Zone S fill - CH 29+69	940.7	15	22	7	11.8	100.0	100.0	96.4	96.7	91.4	86.8	81.3	77.9	71.6	65.8	60.9	55.7	51.5	46.2	36.8	2183	7.0	-	2046	93.7
04-Feb-00	R-ZS-7	Zone S fill - CH 38+62	939.5	13	20	7	9.0	100.0	95.8	-	91.8	89.2	86.2	80.7	76.1	70.7	65.9	61.8	58.0	53.1	47.3	36.7	2195	6.9	-	2110	96.1
17-Feb-00	R-ZS-8	Zone S fill - CH 27+50	940.6	NP	NP	NP																				2084	
25-Feb-00	R-ZS-9[3]	Zone S fill - CH 17+44	907.6	-	-	-	11.2	100.0	100.0	100.0	97.6	93.9	92.1	-	86.9	80.1	76.1	71.2	66.0	62.3	54.8	43.9	2080	9.8	-	2114	101.6
22-Feb-00	R-ZS-10	Zone S fill - CH 15+70	939.0	-	-	-	11.7	100.0	100.0	100.0	100.0	98.8	97.3	-	92.9	88.4	83.4	79.0	74.5	70.0	61.5	53.2	2020	10.8	-	2010	99.5
			MEAN	16	25	9	11.6	100.0	99.5	98.7	96.9	94.6	92.3	87.4	84.9	80.0	75.1	70.6	66.2	61.1	54.1	45.8	2096	9.1	2.70		
			MEDIAN	16	26	9	11.7	100.0	100.0	99.2	97.0	93.9	92.1	87.1	85.4	80.1	75.1	70.9	66.6	62.3	54.5	45.0	2080	9.0	2.70		
			MAXIMUM	18	29	12	13.1	100.0	100.0	100.0	100.0	99.6	98.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	61.5	55.4	2195	10.8	2.70		
			MINIMUM	13	20	7	9.0	100.0	95.8	95.3	91.8	89.2	86.2	80.1	73.0	67.8	63.6	58.9	55.1	51.5	46.2	36.7	2006	6.9	2.70		

Notes.

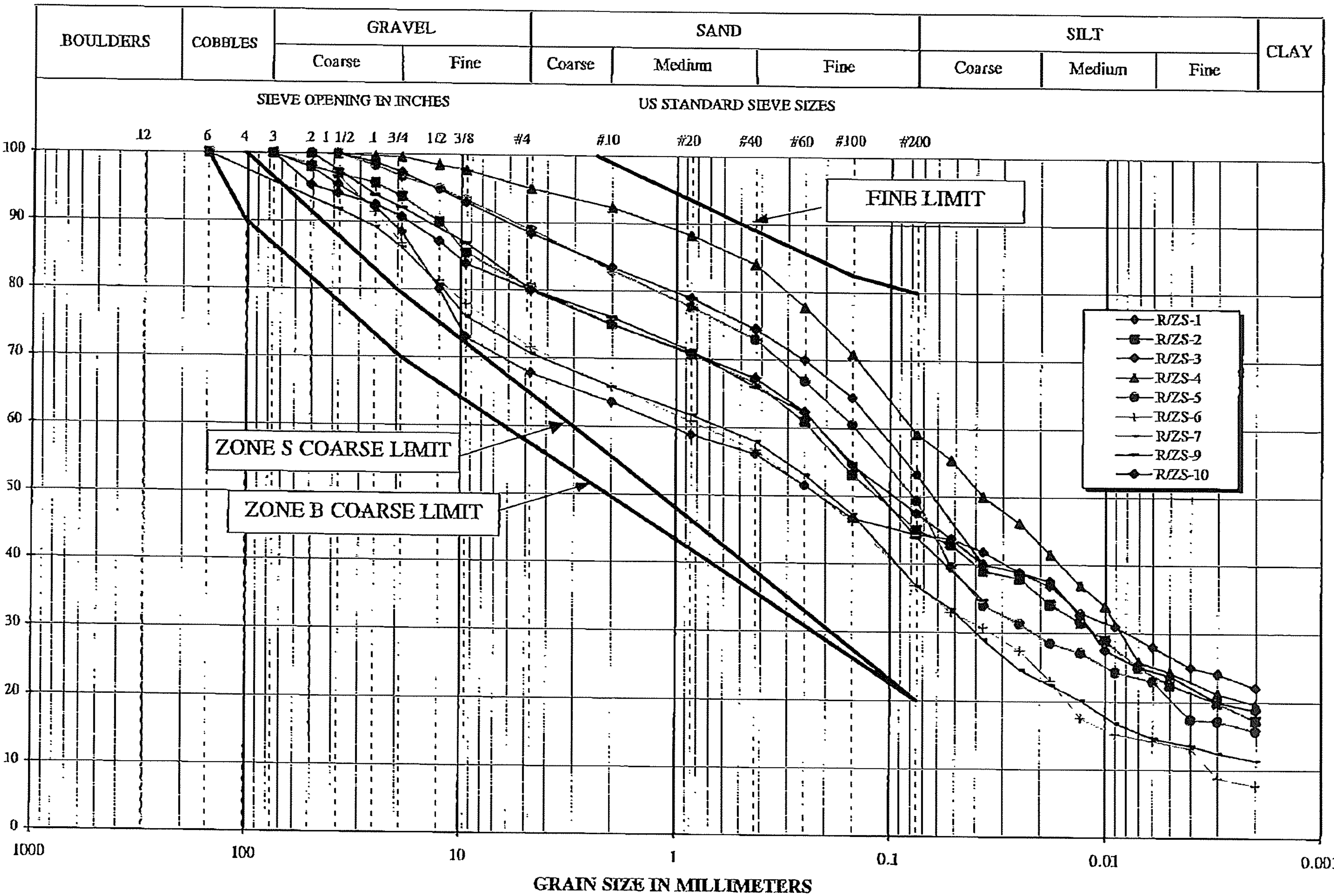
1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Bulk Specific Gravity (ASTM C127)

2. Field dry density of R-ZS-6 is 2048 kg/m^3 or 93.7% of the Standard Proctor Maximum. The average of 16 field density tests taken in the same lift is 2094 kg/m^3 or 95.9%. The lift was approved on the basis of these results.

3. Samples tested by KP personnel in MPMC soils lab.

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S RECORD SAMPLES - GRADATION CURVES



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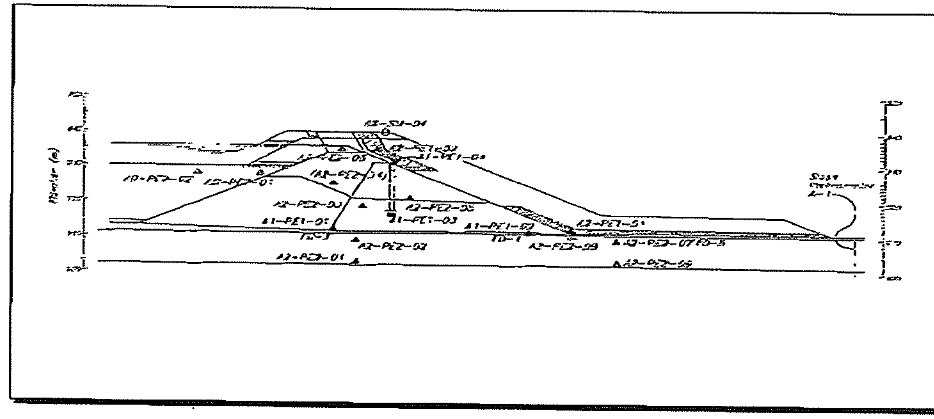
A3-2

MPPiez-a.xls All Piezos

06/03/2000

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



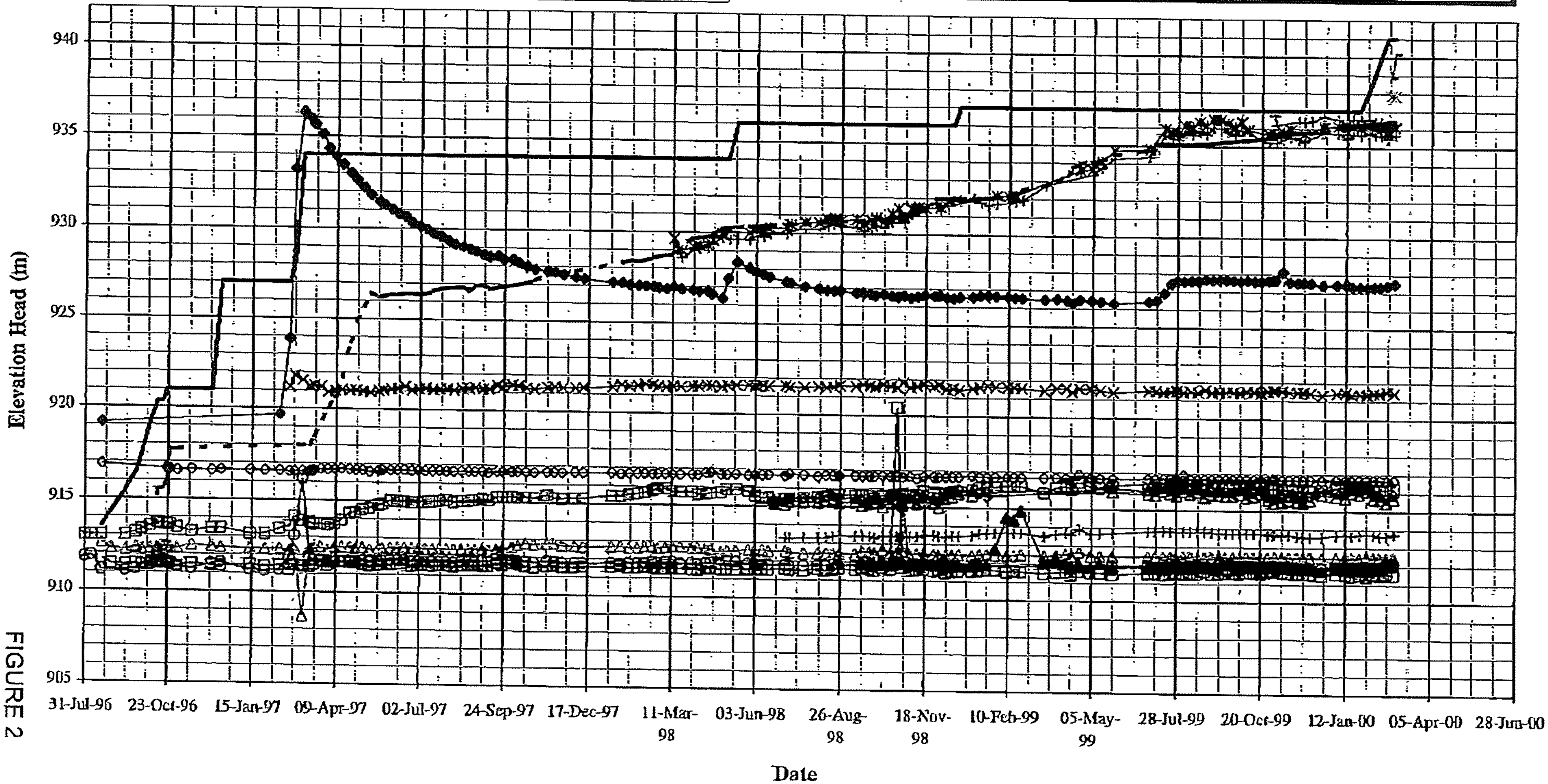


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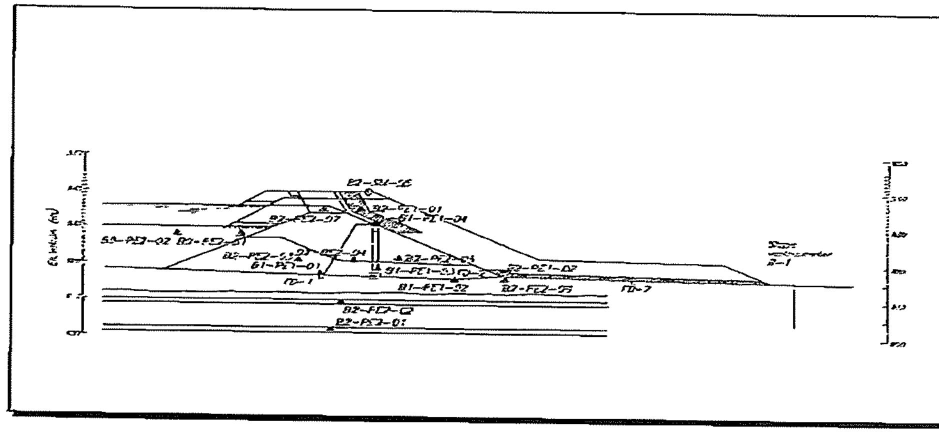
FIGURE 2

MPPiez-b.xls All Piezos

05/03/2000

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



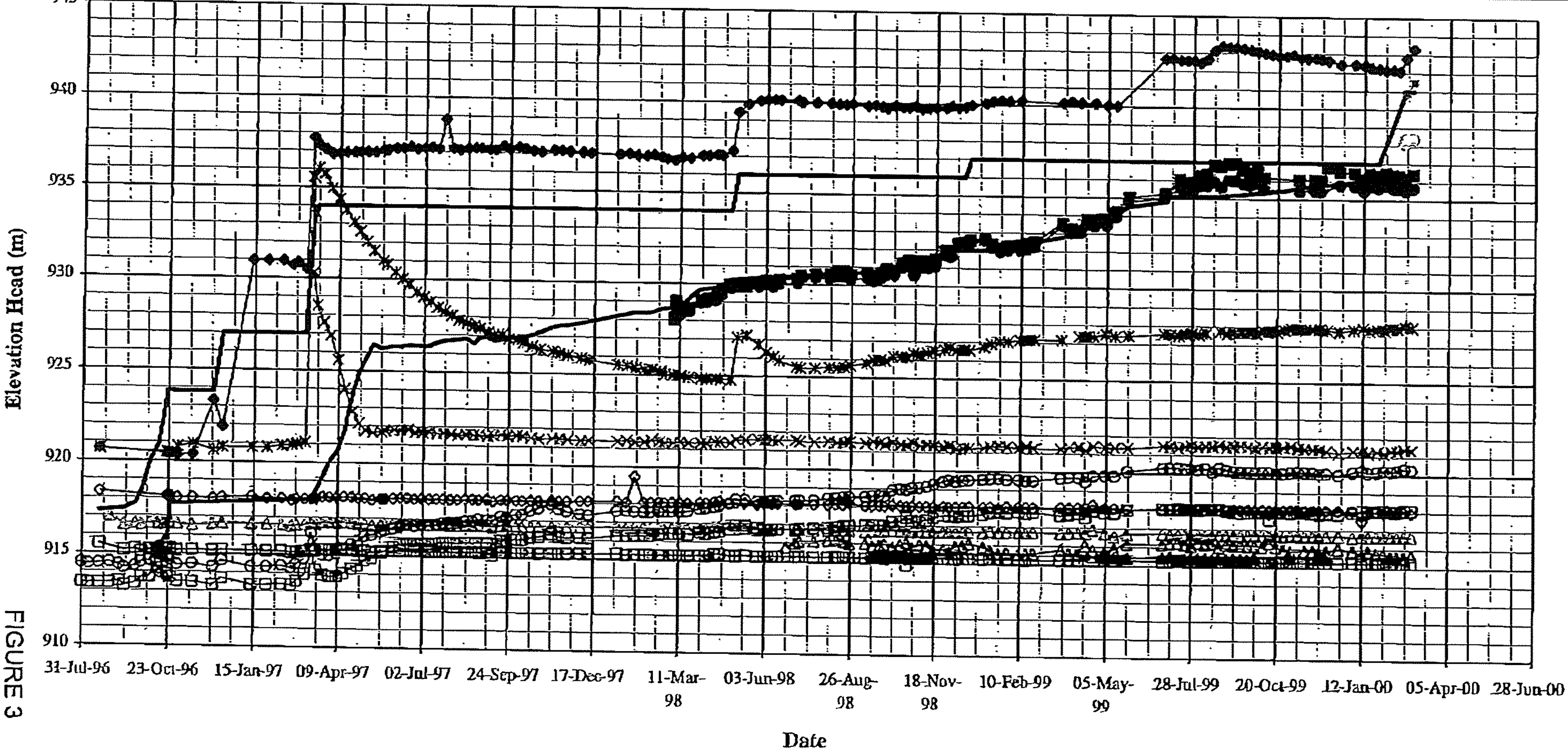


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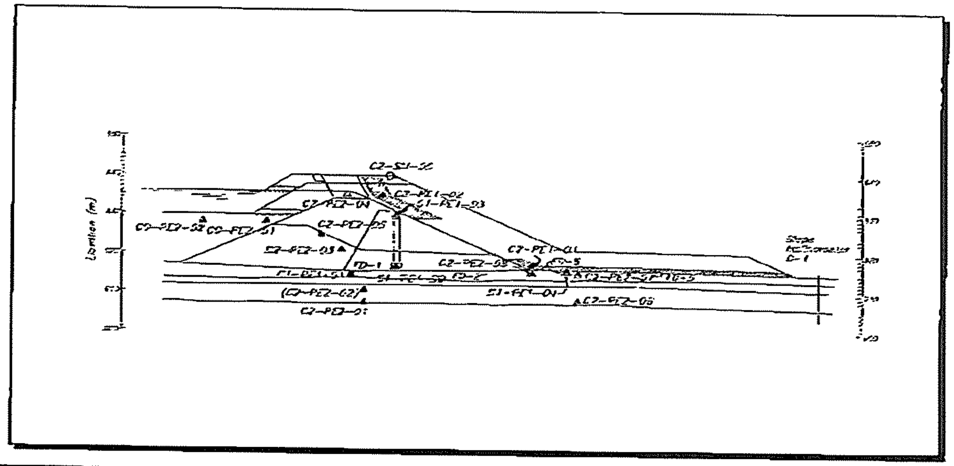
FIGURE 3

MPI...xls All Piezos

06/03/2000

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



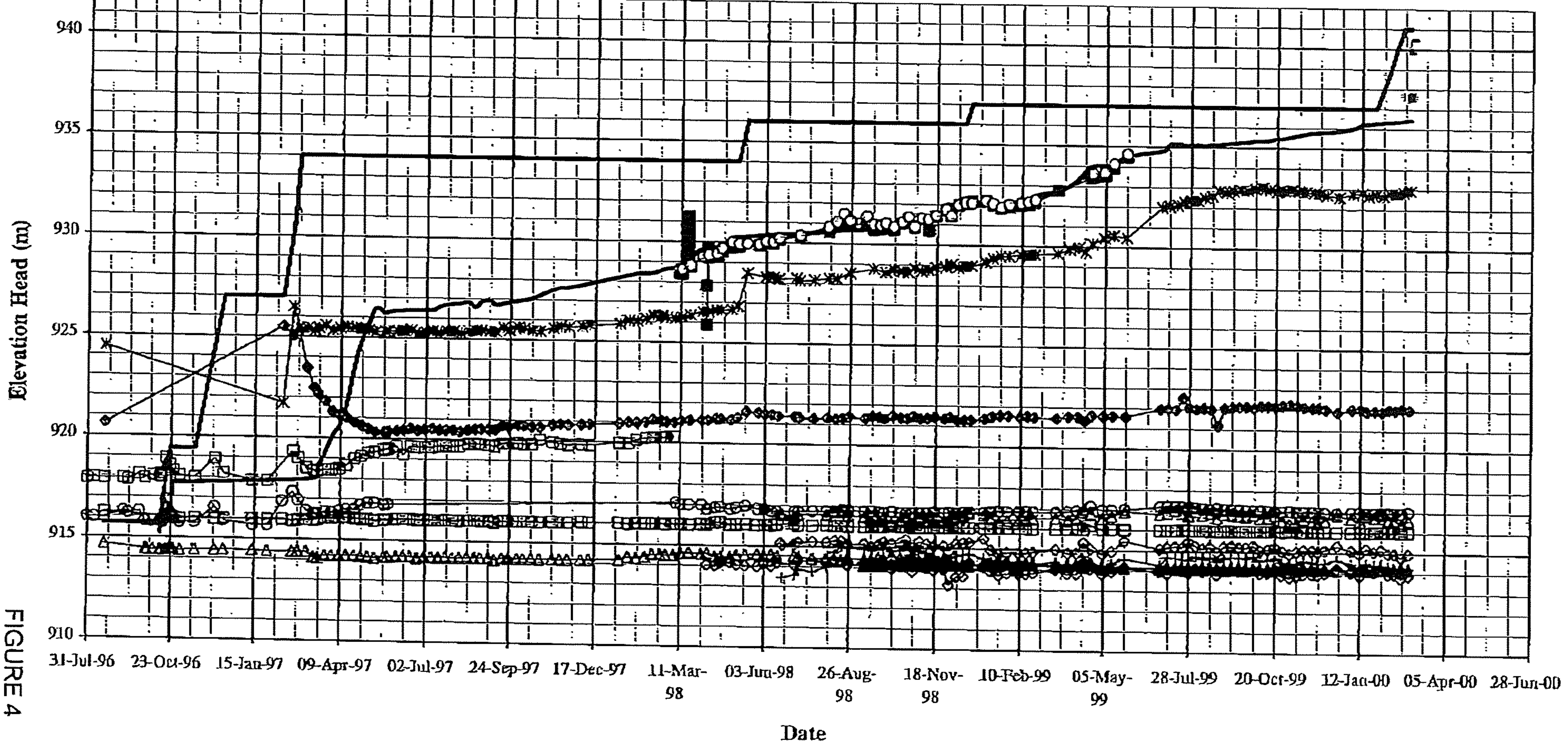


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FIGURE 4

MPPiez-d.xls All Piezos

06/03/2000

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS

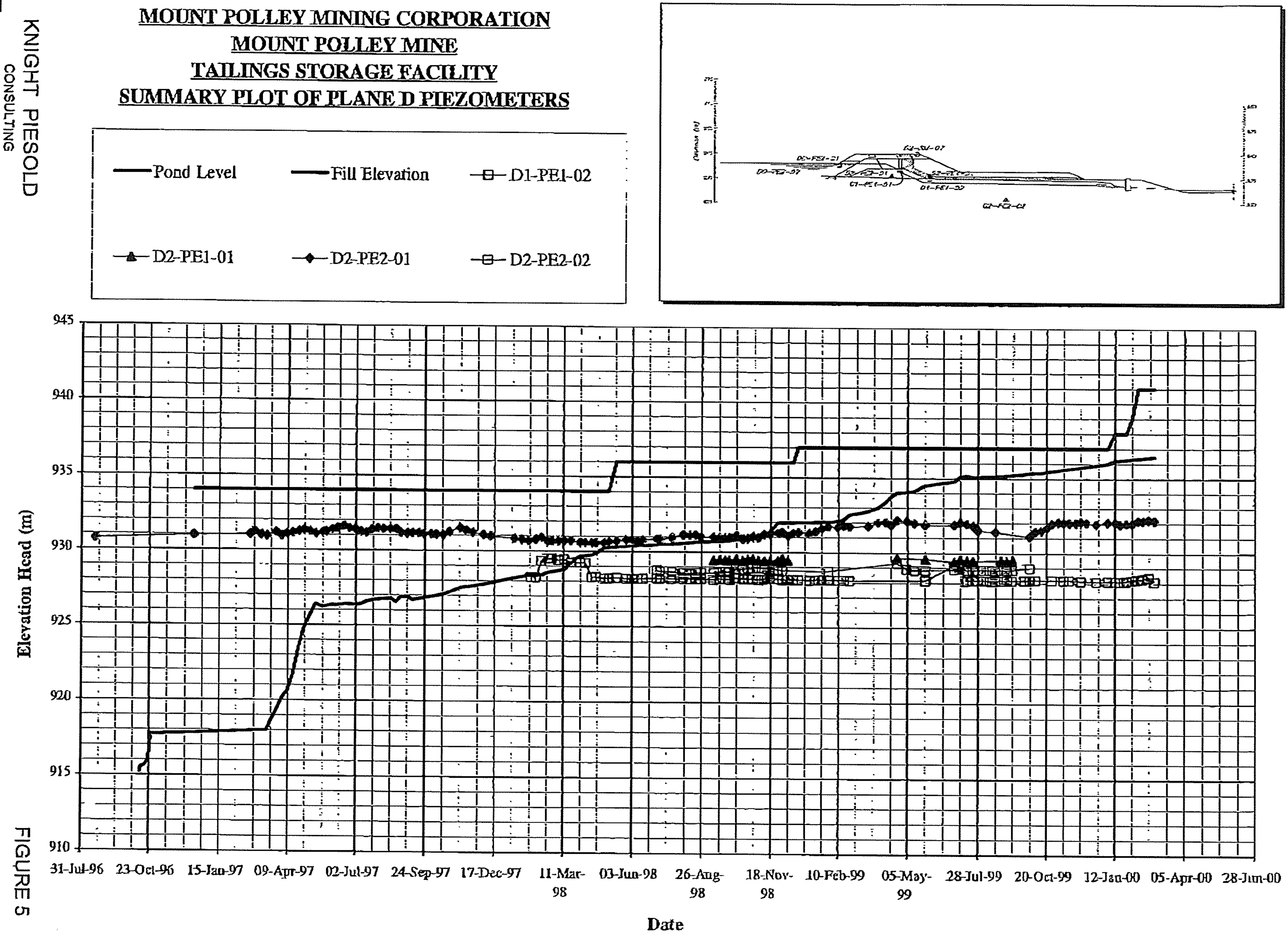

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FIGURE 5

MPPiez-e.xls Fdn Piezcs

05/03/2000

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS (FOUNDATION)

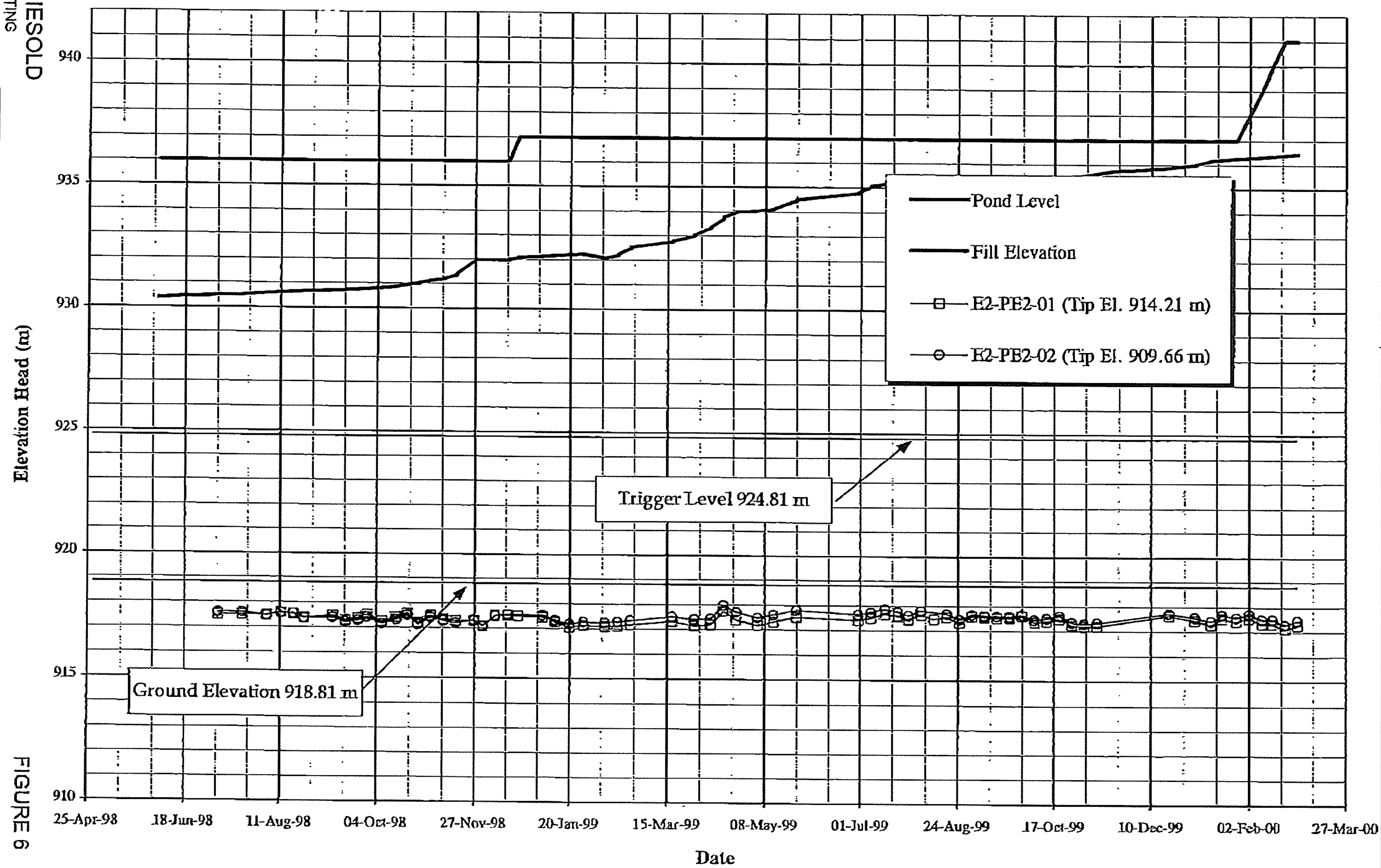

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FIGURE 6

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

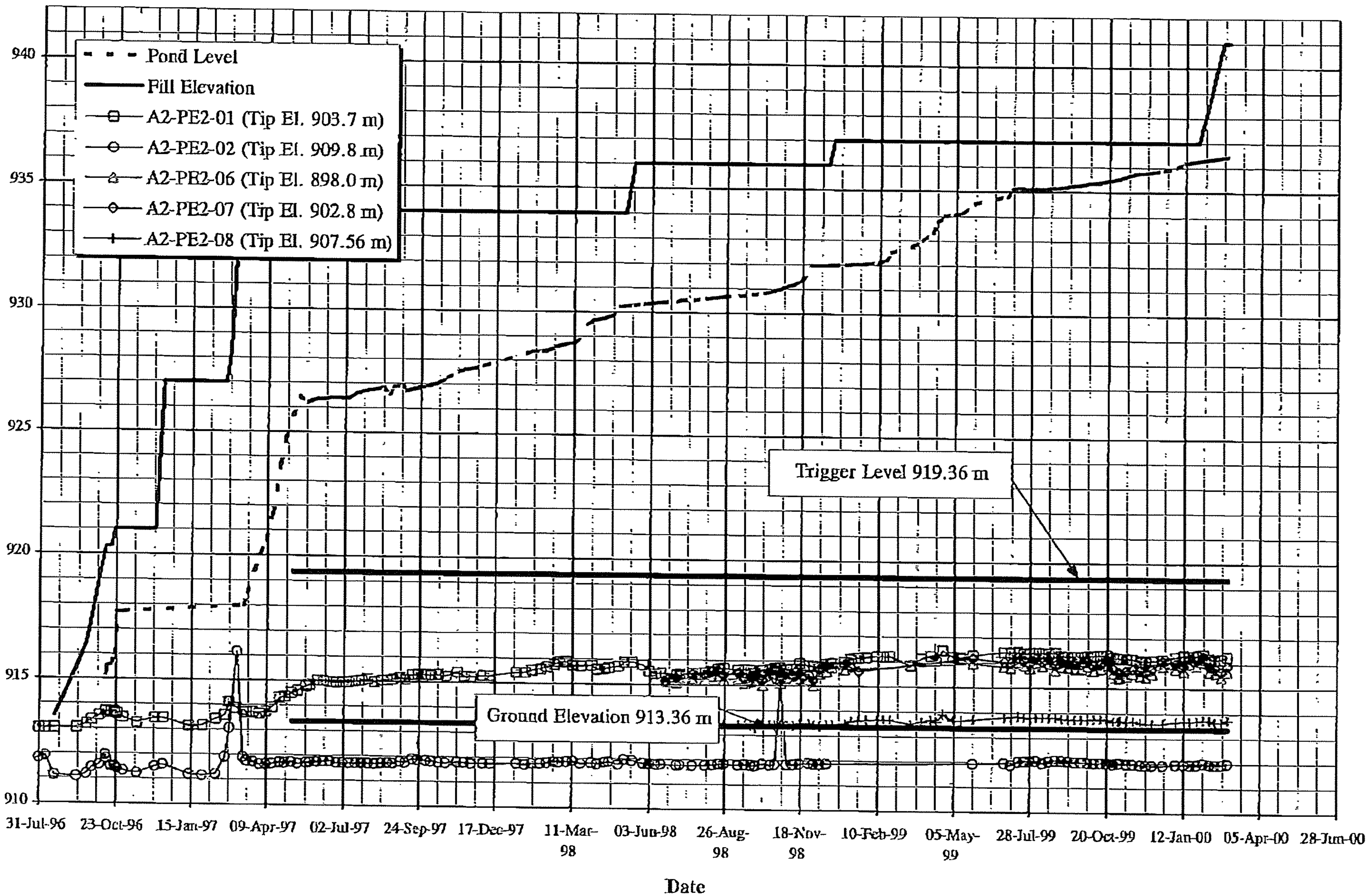

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FIGURE 7

MPPiez-b.xls Fdn Piezos

06/03/2000

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

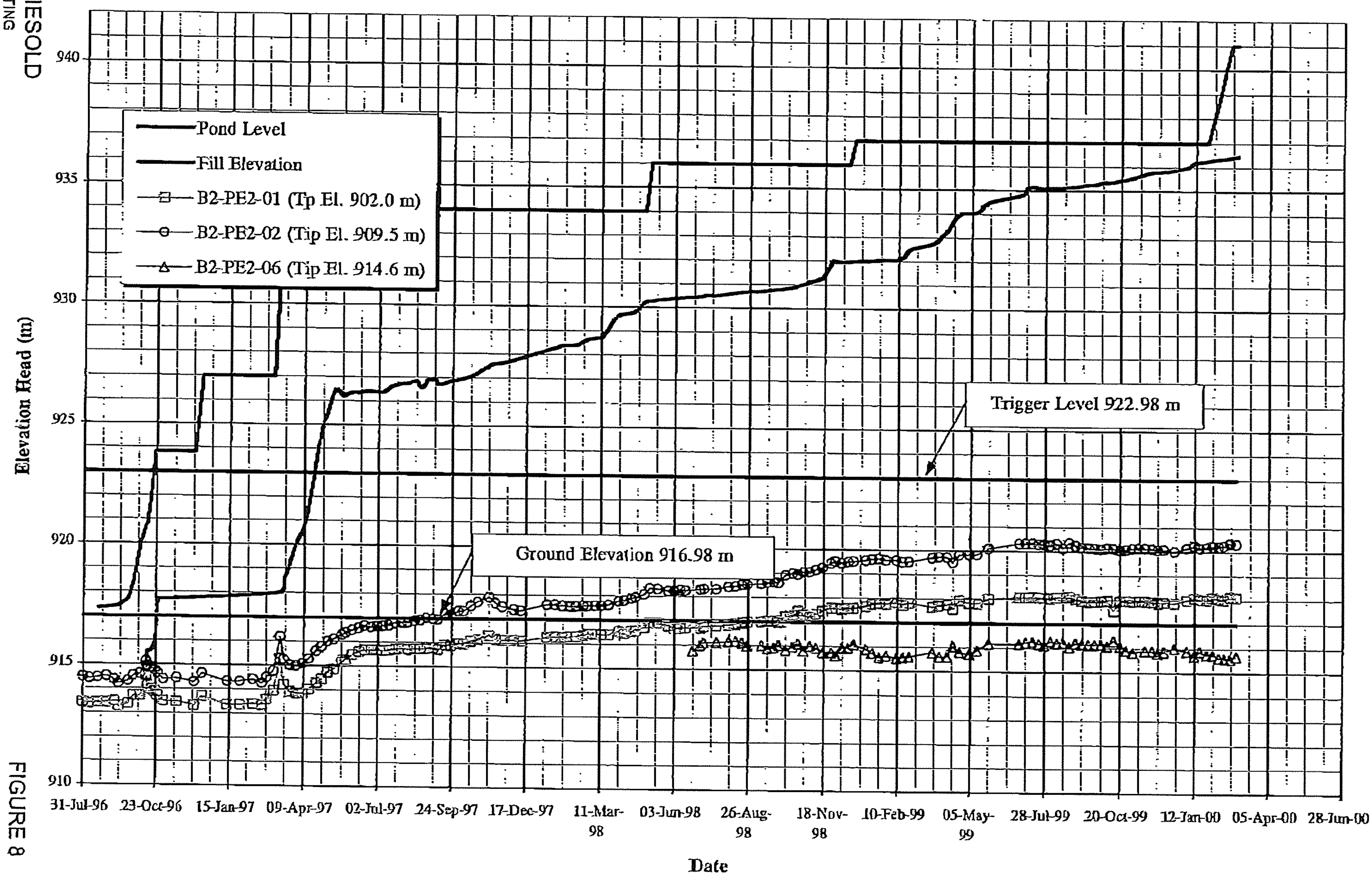

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FIGURE 8

MFPiez-cx6 Fdn Piezos

06/03/2000

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS

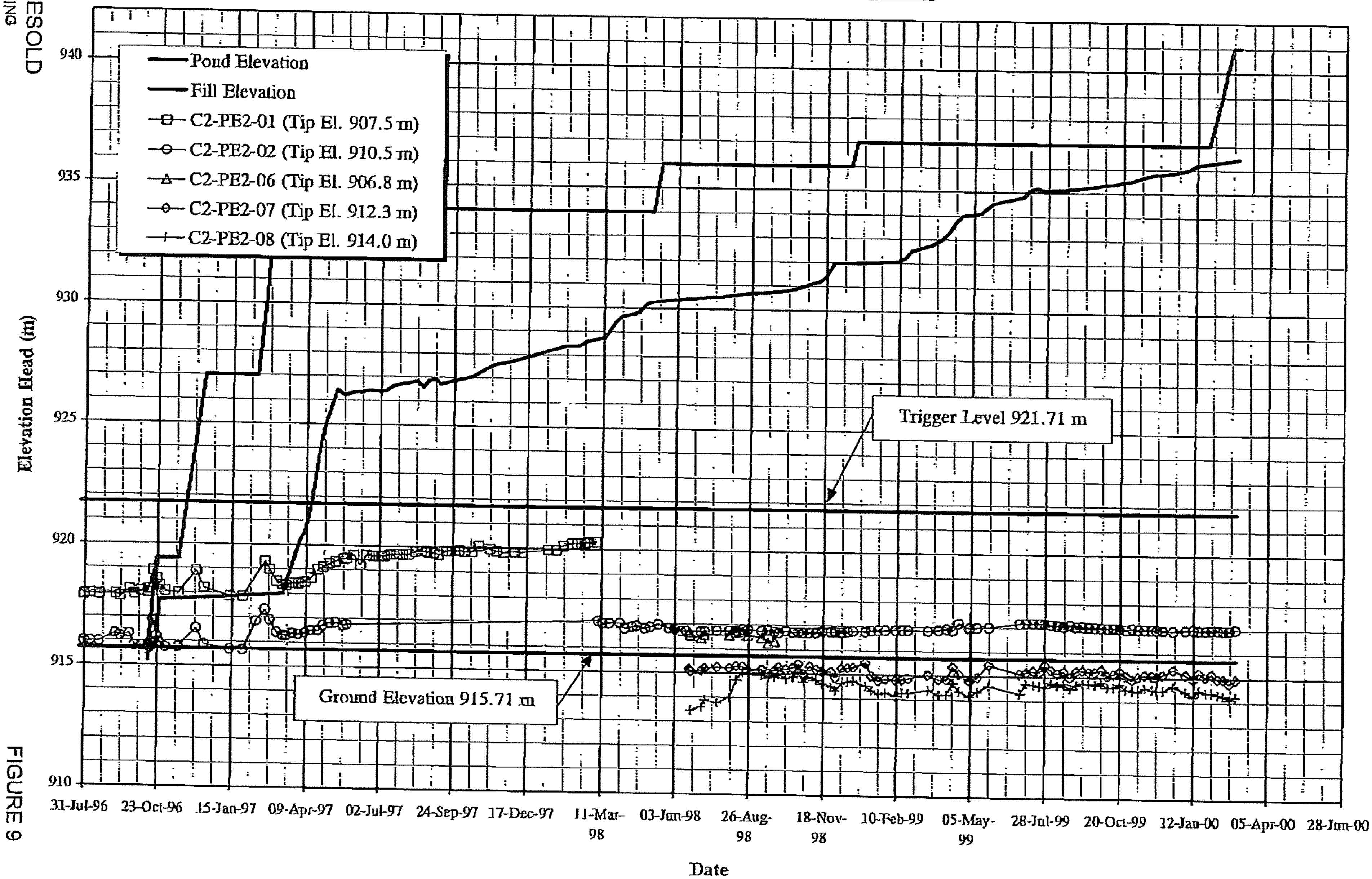

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FIGURE 9

Knight Piésold CONSULTING	**DATE:**	February 25, 2000	**FILE NO.:**	11162/13.F01/F05
Knight Piésold, Mt. Polley Site	**TIME:**		**REF NO.:**	00-013
Fax: (250) 790-2268	**OPERATOR:**		**PAGES:**	1 of 20
Phone: (250) 790-2215	**SENDER:**	Jeremy Kinch	**APPROVED:**	

TO:	KP Vancouver	**FAX :**	604-685-0147
ATTN:	Ken Embree, Ken Brouwer		
CC:	George Headley, Ministry of Energy and Mines		
SUBJECT:	Progress Report for February 1 to 15, 2000		

Ken,

Please find attached Progress Report No. 12 for Stage 2C construction at Mount Polley Mine. This document is for the reporting period February 1 to 15, 2000.

Regards,

Jeremy Kinch

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 12
FEBRUARY 1 TO 15, 2000

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ian Manning (IBM): left site February 8.
- Jeremy Kinch (JRK): on site February 8.

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were typically clear with occasional cloud and fog. Temperatures varied from lows of –20° to highs of 4° C. Rain and snow forced the suspension of construction activities on the evening of February 8. Cold conditions forced the suspension of construction activities on the evening of February 12 to February 15.

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1.3 DESIGN AND CONTRACT DEVELOPMENT

A request for design change (Ref. No. 00/009, February 7, 2000) was issued which would allow the slope of the S/Zone CS interface on the Main Embankment to vary from 1.375H:1V to 1.875H:1V. An allowance of glacial till in Zone CS above elevation 940.4 was also requested. Approval is pending.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations for 1999 were terminated on October 19. Since that time, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. The bulk tailings discharge trench was relocated southwest of its original position during the previous reporting period to direct flows centrally within the tailings facility.

Following Stage 2C construction, the tailings pipeline system will be re-instated along the embankments. Bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond. Cyclone operations will resume in the spring.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The MPMC Tailings Crew is responsible for foundation and grade preparation prior to fill placement, and for borrow area development. Peterson Contracting is responsible for loading, hauling and placing fill, and maintenance of haul roads.

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Zone B, S and CS surface preparation was carried out as required prior to placement of each lift. This included stripping of ice, snow and loose frozen fill from all surfaces prior to fill placement.

- Both dayshift and nightshift Zone B, S and CS fill placement was carried out over the reporting period. Dayshift construction activities took place from February 3 to 8 and February 10 to 12. Nightshift work activities were carried out from February 3 to 6 and February 8, 11 and 12.

- Zone B and S fill placement activities were carried out along the Perimeter Embankment from CH 34+80 to CH 41+00. The Perimeter Embankment crest was raised to approximate elevation 941 m. The Perimeter Embankment is essentially complete, with the exception of the left abutment. The Polley Lake water line lies within the footprint at approximate elevation 940 m and must be relocated in order to tie into the left abutment foundation.

- Zone B and S fill placement activities were carried out along the Main Embankment from CH 26+00 to CH 27+90. The fill was raised to approximate elevation 937.3 m at CH 26+00 to approximate elevation 940.0 m at CH 27+90. Cyclone sand was pushed into Zone CS along the Main Embankment crest. The elevation of Zone CS varies from approximately 938.5 m at CH 16+00 to 939.5 m at CH 26+00.

- Till material placed in Zones B and S came from Borrow Area No. 2. Preparatory work in the borrow area included removal of unsuitable and frozen material, and the development of a new face in the southeast section. Frost penetration up to approximately 1 m was observed.

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Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	23,400	82,100	109,500	75
B (till)	10,000	68,400	69,000	99
CBL (rockfill)	0	31,853	31,853	100
F (filter sand)	0	2,300	2,300	100
Stg 3 toe berm (rockfill)	0	3,507	-	-

Notes: 1. Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change.

2. Fill volumes placed are based on load counts and are supplied by MPMC.

A summary of fill placement to date is shown on Figure 1.

Miscellaneous

- The upstream toe drain connector pipe was extended and now protrudes from the upstream face of the perimeter embankment. The Perimeter Embankment upstream toe drain, to be constructed in 2000 as part of the Stage 3 raise, will tie into the extended pipe.

- Sections of tailings pipeline were set out on the Perimeter Embankment crest. Tailings will be point-discharged near the corner of the Main and Perimeter Embankments.

- Test pits were excavated in the rock borrow area and removal of overburden commenced.

- Grader work was carried out along TSF access roads.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- Supervision of MPMC inspectors. Neil Giesbrecht (contract surveyor) provided inspection services during construction operations. The MPMC inspector's reports and QA/QC records were provided to the KP Site Engineer for review and compilation.

- A total of 266 field density tests were conducted on Zone S material during the reporting period. Measured dry densities ranged from 2005 to 2211 kg/m^3, and moisture contents ranged from 7 7 to 12.6 percent. The average measured dry density for Zone S was 97.1 percent of the Standard Proctor Maximum, well above the minimum requirement of 95 percent.

- A total of 128 field density tests were conducted on Zone B material during the reporting period. Measured dry densities ranged from 1996 to 2228 kg/m^3, and moisture contents ranged from 7.3 to 12.6 percent. The average measured dry density for Zone B was 97.0 percent of the Standard Proctor Maximum, well above the minimum requirement of 92 percent.

- A total of 3 field density tests were conducted on roller compacted cyclone sand in Zone CS. Measured dry densities ranged from 1654 to 1786 kg/m^3, and moisture contents ranged from 5.9 to 7.0 percent. The average measured dry density for Zone CS was 100.0 percent of the Standard Proctor Maximum, well above the minimum requirement of 95 percent.

- The site nuclear densometer began to malfunction on February 9, and was sent to Vancouver for repairs. A replacement was obtained from Esker Construction Management Inc. and testing resumed on February 13.

- KP provided ongoing monitoring of the following: stripping of unsuitable materials within Borrow Area No.2, excavated till materials for embankment construction, embankment surfaces prior to fill placement, lift thickness.

Miscellaneous

- Progress Report No. 11 was written and issued for the reporting period January 15 to 31, 2000.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

IBM and JRK read all active TSF piezometers on February 2, 9 and 15. Piezometers within the Perimeter Embankment cyclone sand downstream trial berm are no longer monitored as drained conditions have been achieved. The following observations are based on the summary data shown on Figures 2 to 11.

- Foundation Piezometers
  All foundation piezometers have generally remained static.

- Fill Piezometers
  Fill piezometers have remained relatively static.

- Drain Piezometers

All piezometers located within the drains have remained static and at very low head. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers
  Plane C tailings piezometers stopped functioning at the end of May 1999. Readings from Plane A and B tailings piezometers continue to mimic the pond level.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. The pond is currently being pumped down and readings will resume as soon as the outlets are exposed.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Control Sample C/ZS-8 was collected from Borrow Area No. 2. Record Sample R/ZS-7 was collected from Zone S fill at CH 38+62, elevation 939.5 m. Results are pending.

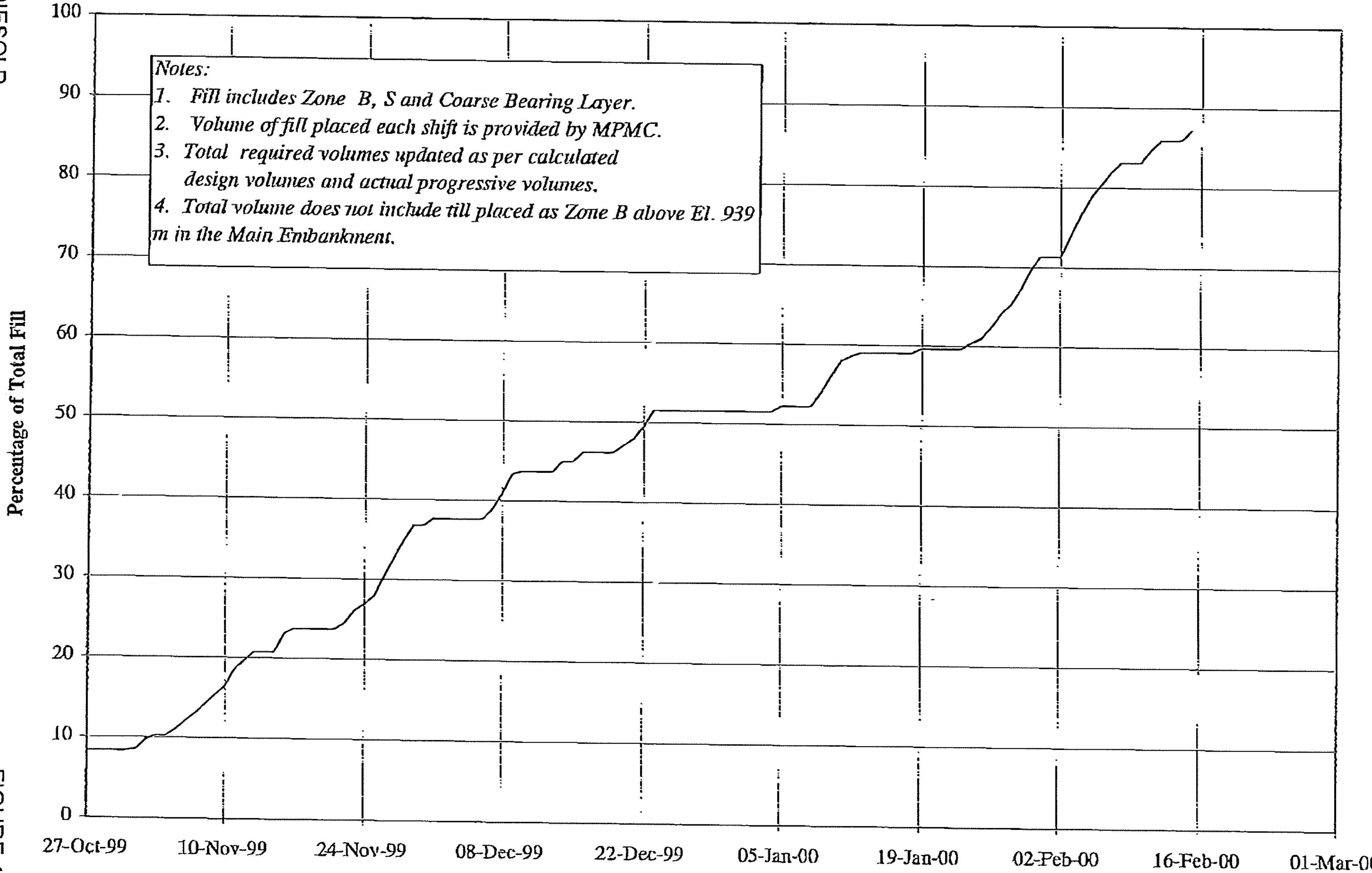
Submitted by,

Jeremy Kinch
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/Ken Embree, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY

SUMMARY OF FILL PLACEMENT



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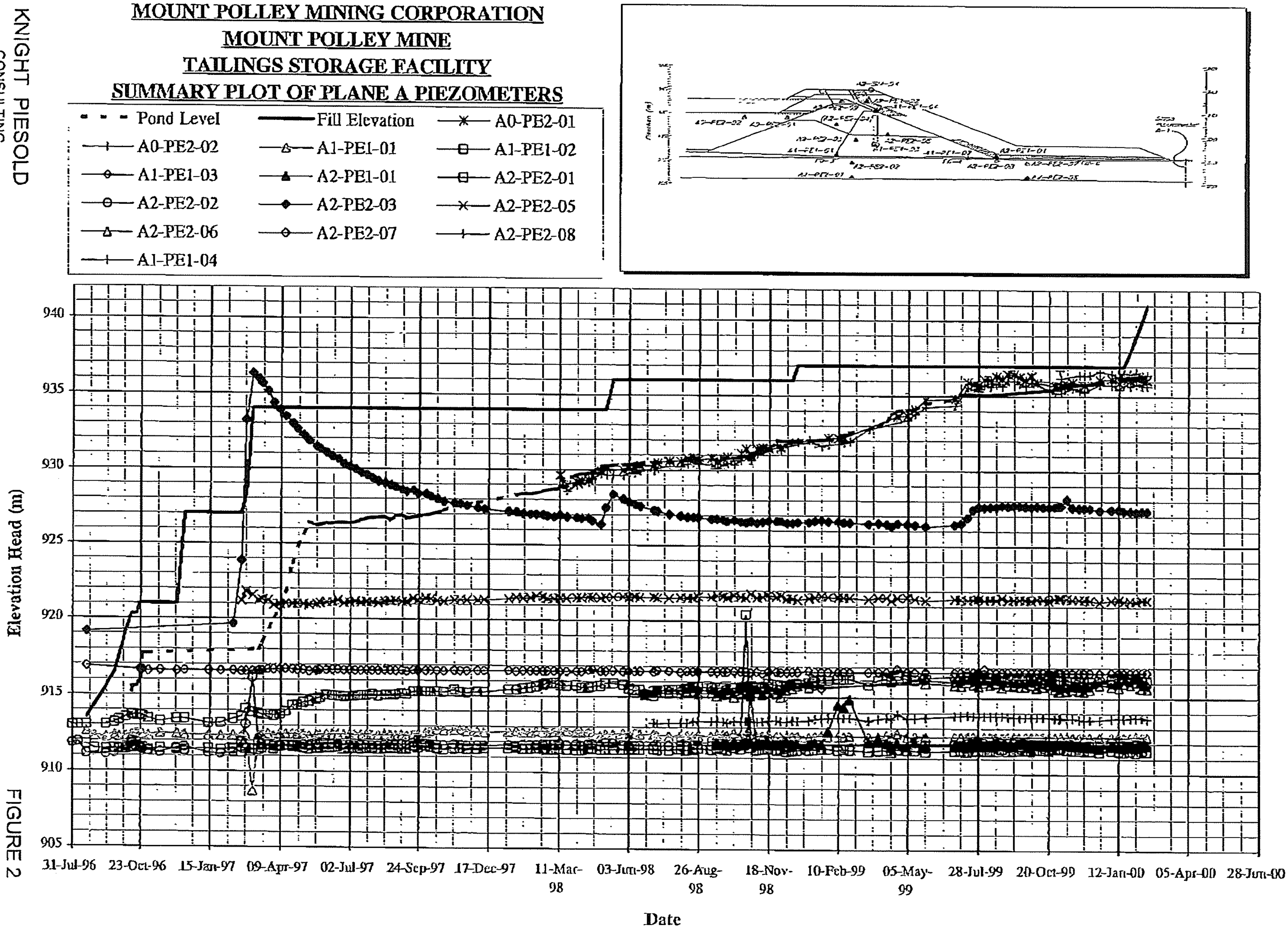
CONSULTING

FIGURE 1

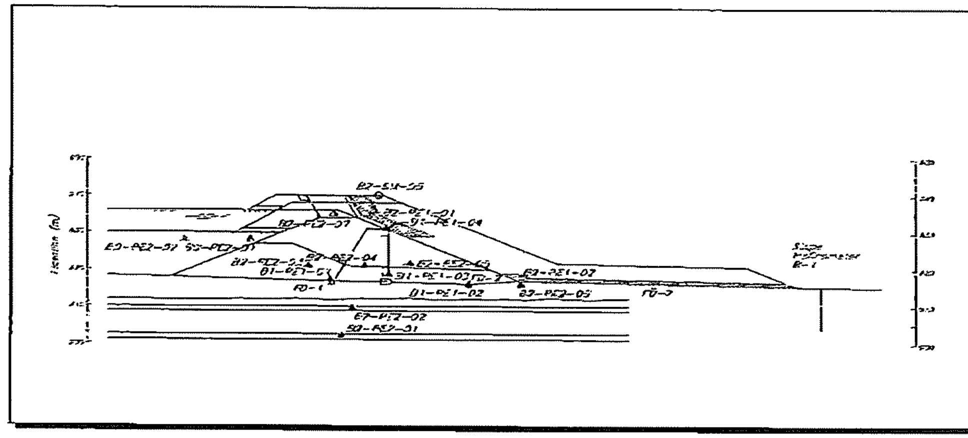
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



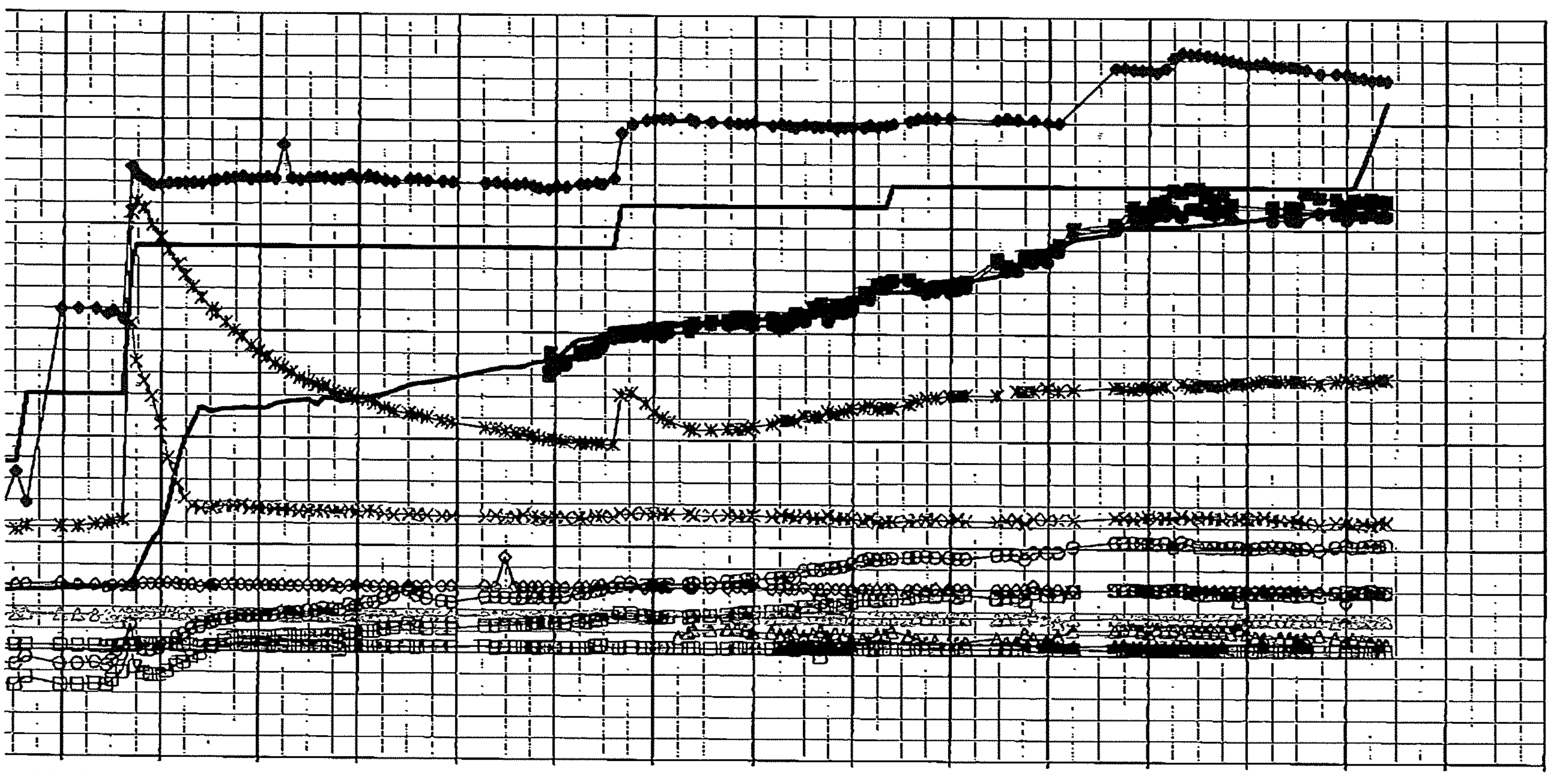
KNIGHT PIESOLD
CONSULTING

FIGURE 2

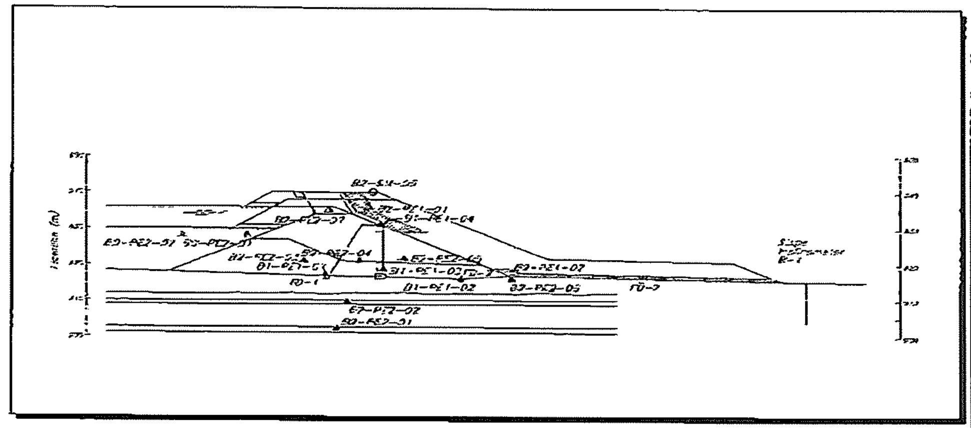
1OUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
MMARY PLOT OF PLANE B PIEZOMETERS



ond Level	Fill Elevation	B0-PE2-01
O-PE2-02	B1-PE2-01	B1-PE1-01
1-PE1-03	B2-PE1-01	B2-PE2-01
2-PE2-02	B2-PE2-03	B2-PE2-04
2-PE2-05	B2-PE2-06	



MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



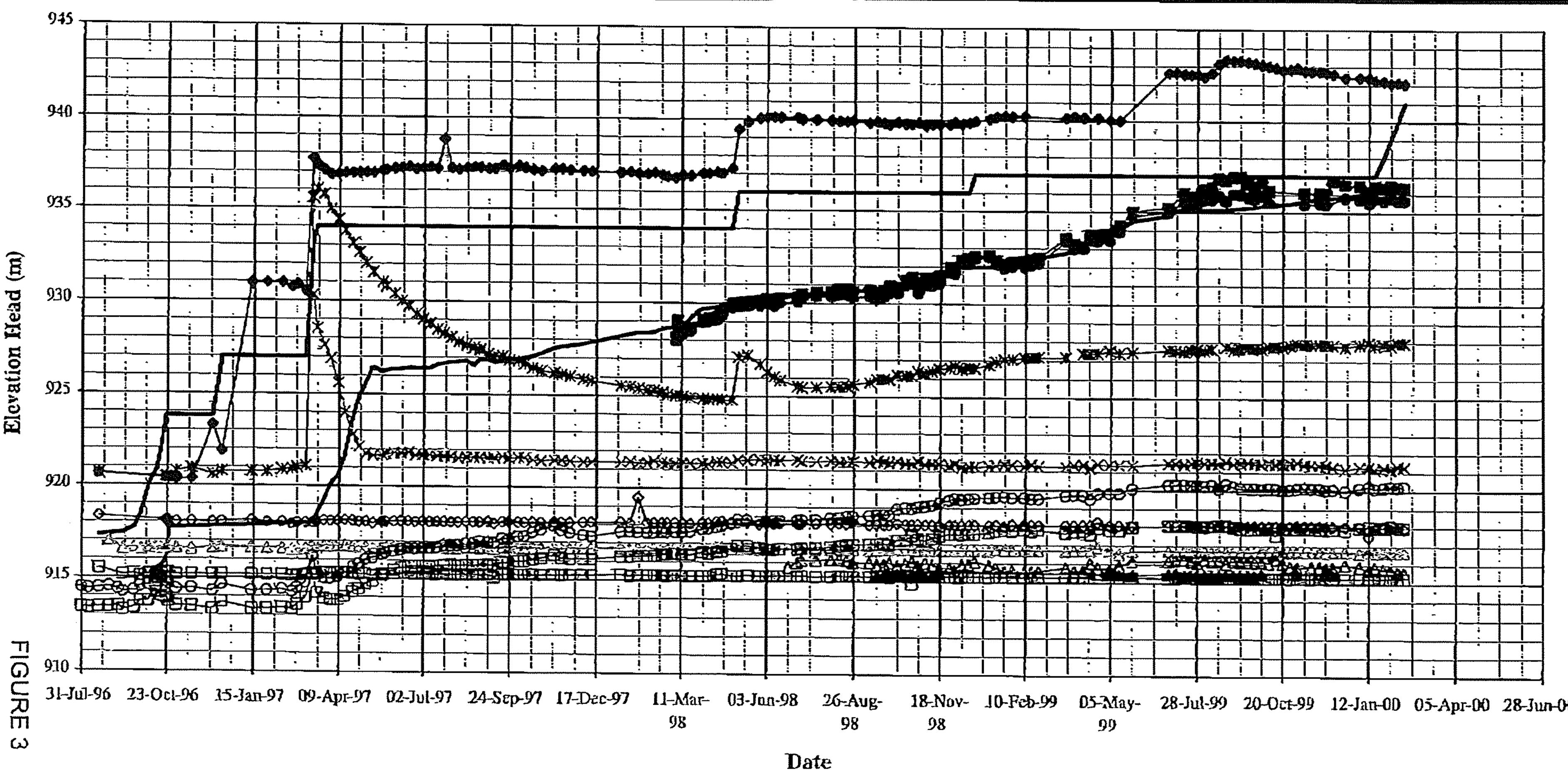


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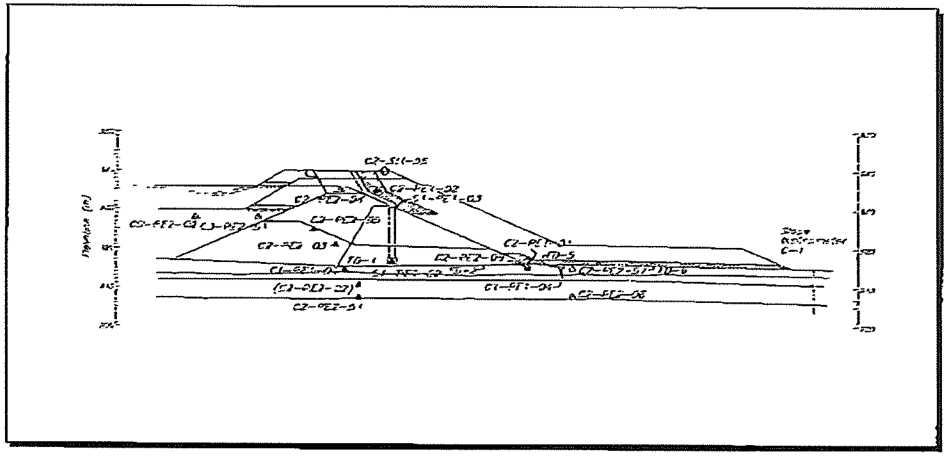
FIGURE 3

MPPiez-c-rpt.xls All Piezos

25/02/2000 7:57 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS

Pond Level	Fill Elevation	C0-PE2-01
C0-PE2-02	C1-PB1-01	C1-PE1-02
C1-PE1-04	C2-PB1-01	C2-PE2-01
C2-PE2-02	C2-PE2-03	C2-PE2-05
C2-PB2-06	C2-PE2-07	C2-PE2-08



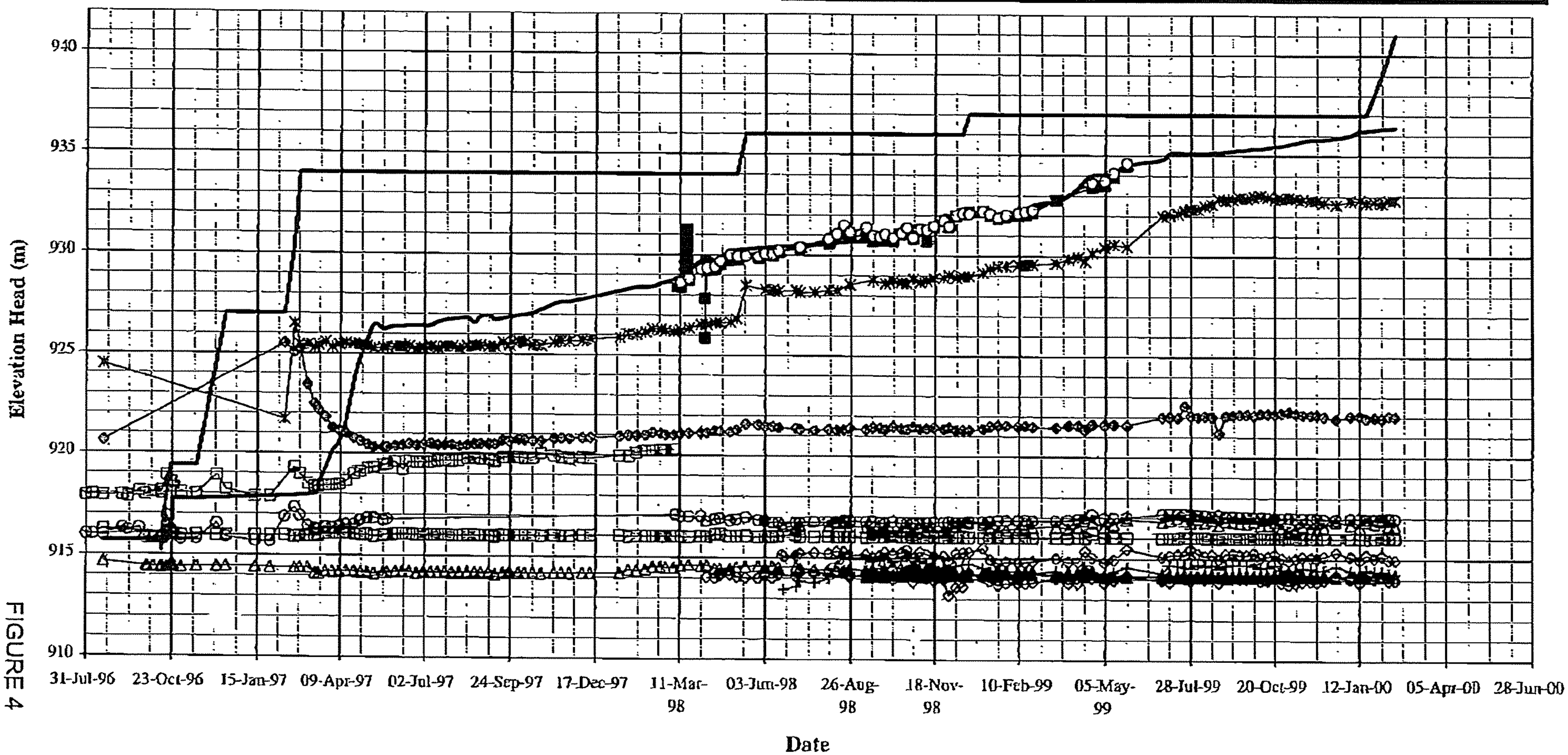


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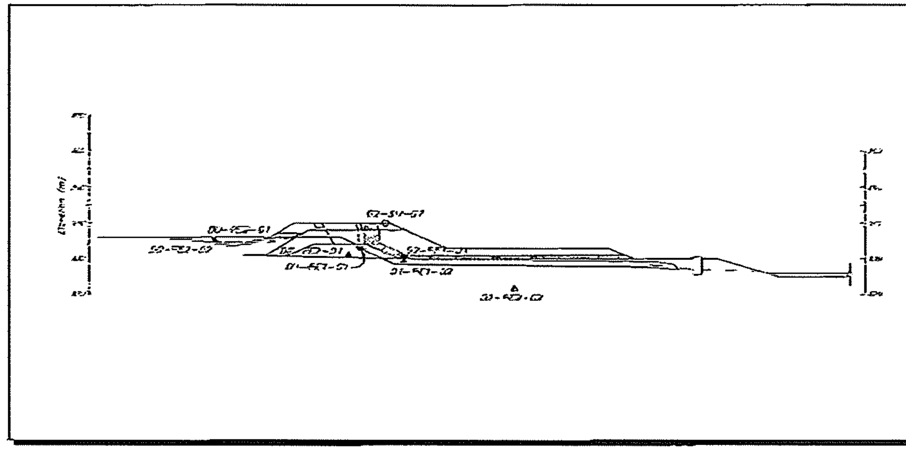
FIGURE 4

MPPiez-d-rpt.xls All Piezos

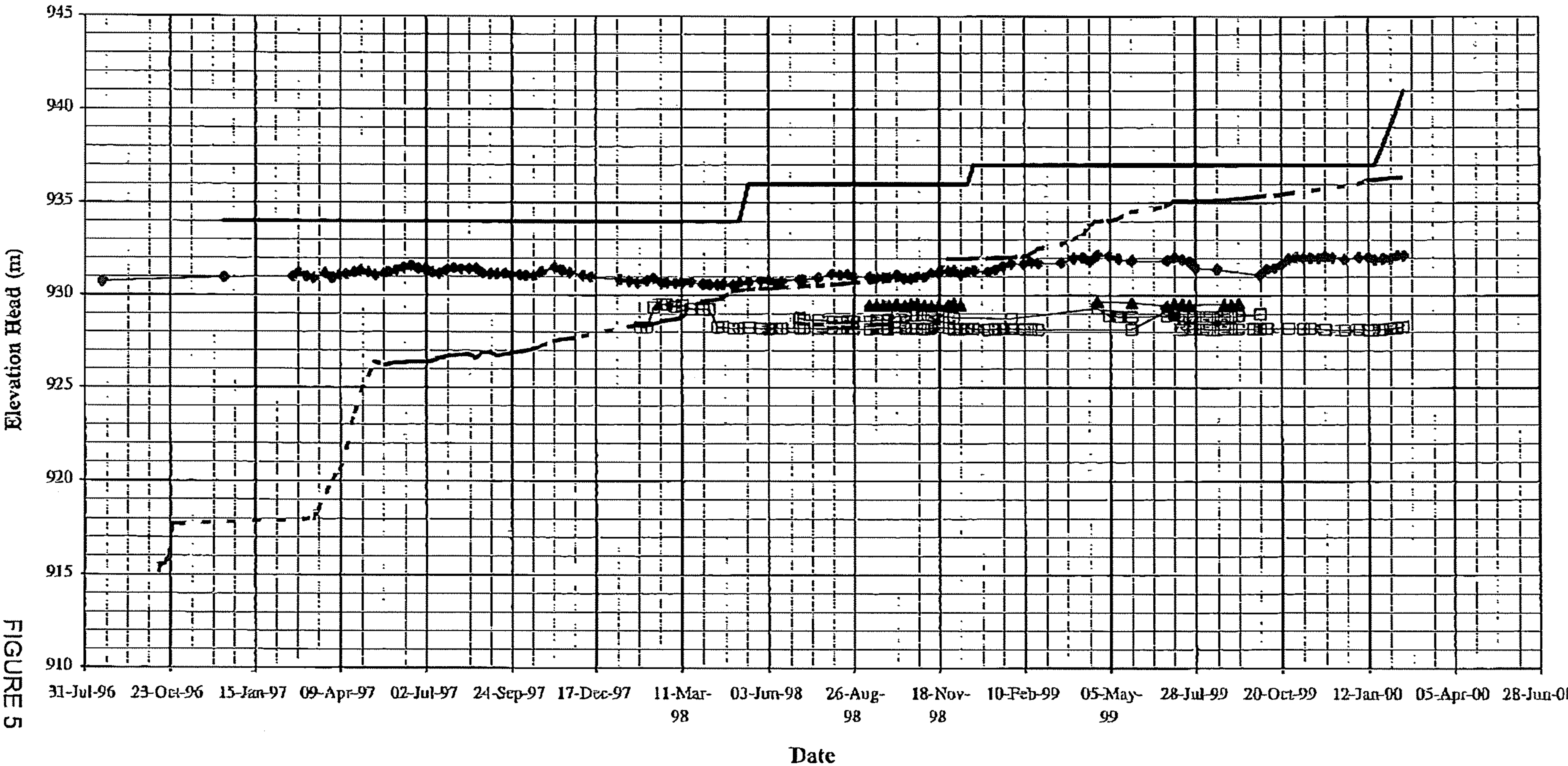
25/02/2000 7:56 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



- - - Pond Level ——— Fill Elevation —□— D1-PE1-02

—▲— D2-PE1-01 —◆— D2-PE2-01 —□— D2-PE2-02



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CONSULTING

FIGURE 5

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

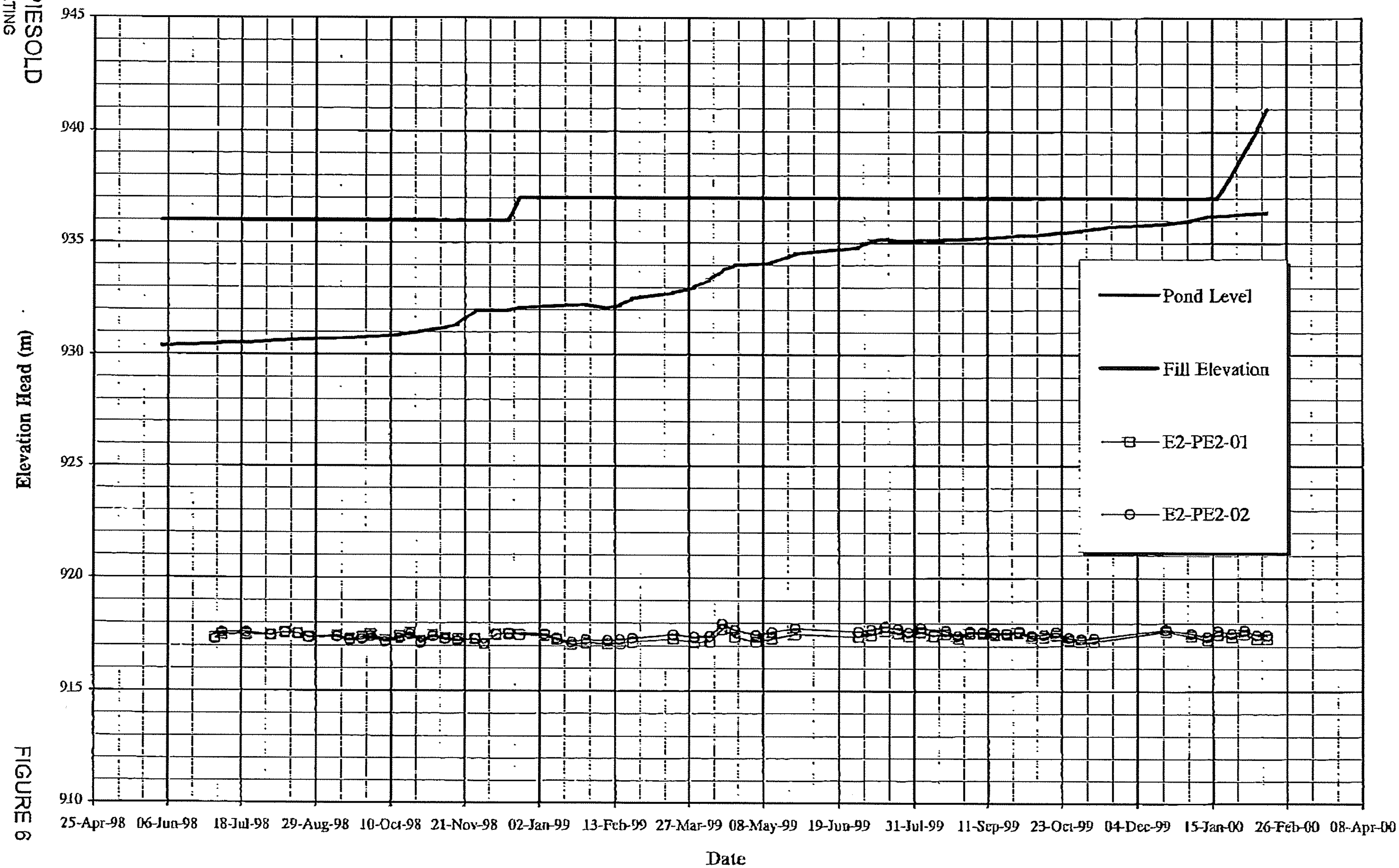

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FIGURE 6

MPPiez-a-rpt.xls Fdn Piezos 25/02/2000 7:58 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

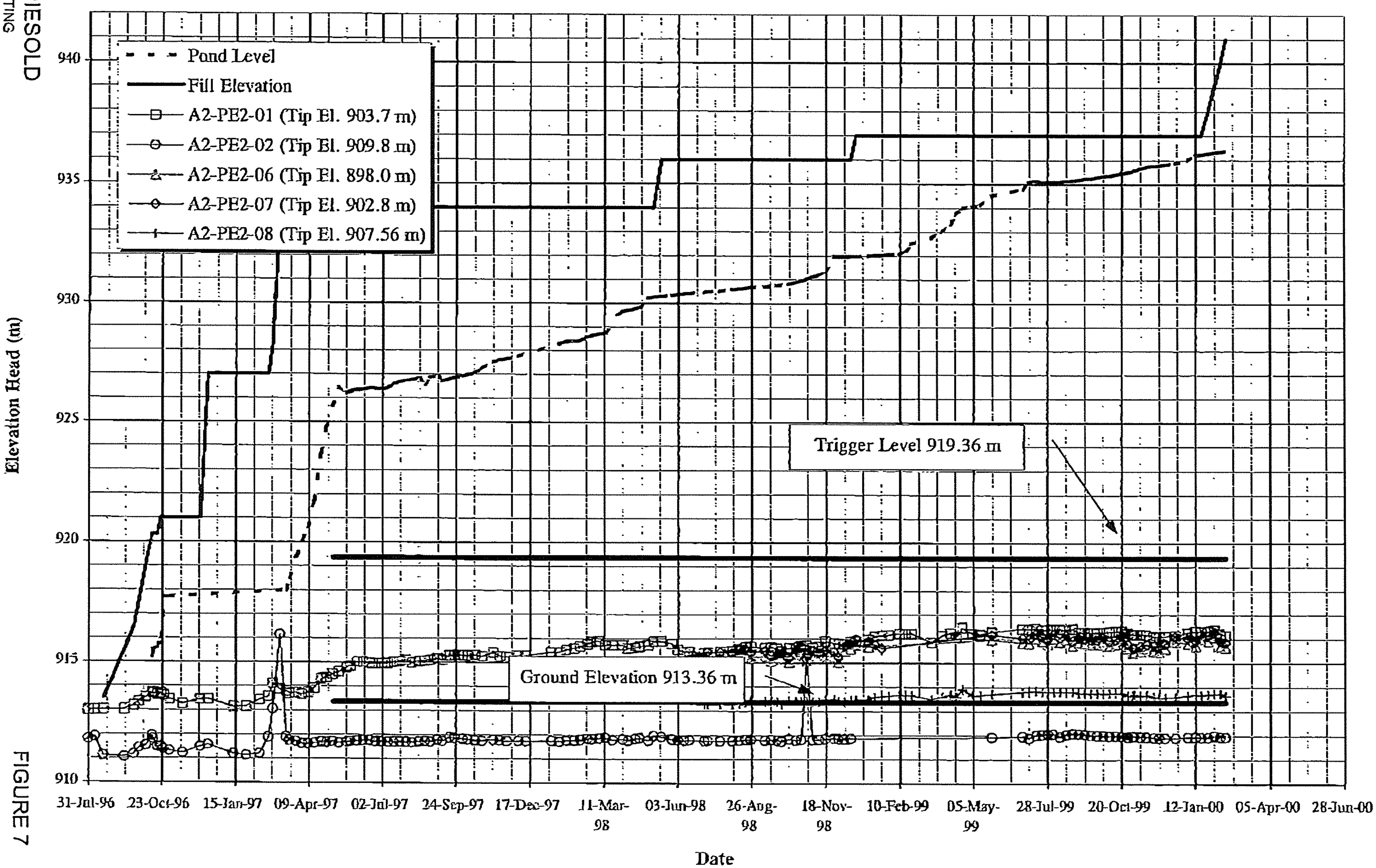

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FIGURE 7

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

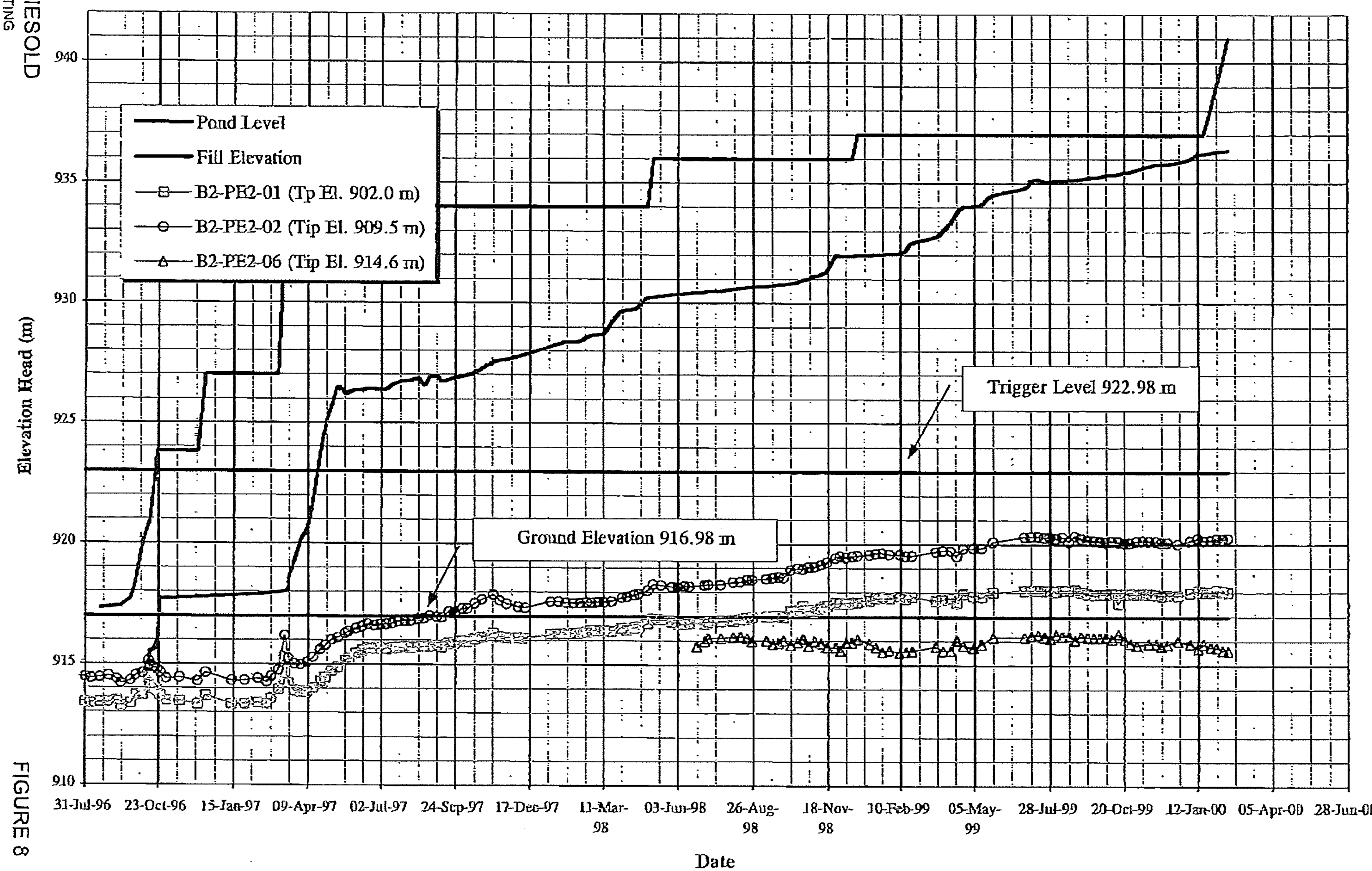

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FIGURE 8

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS

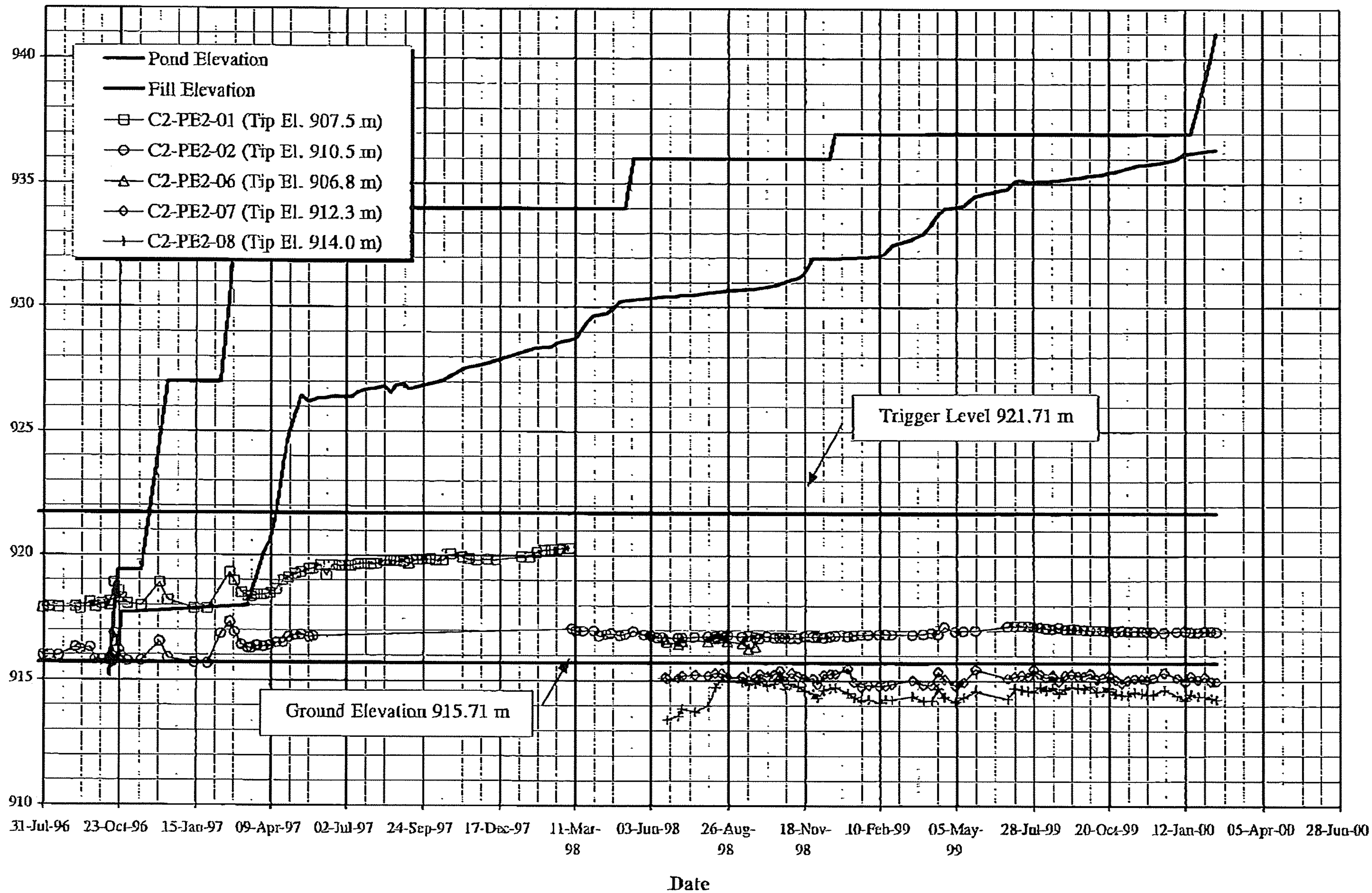

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FIGURE 9

MPPiez-d-rpt.xls fdn piezos 25/02/2000 7:56 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

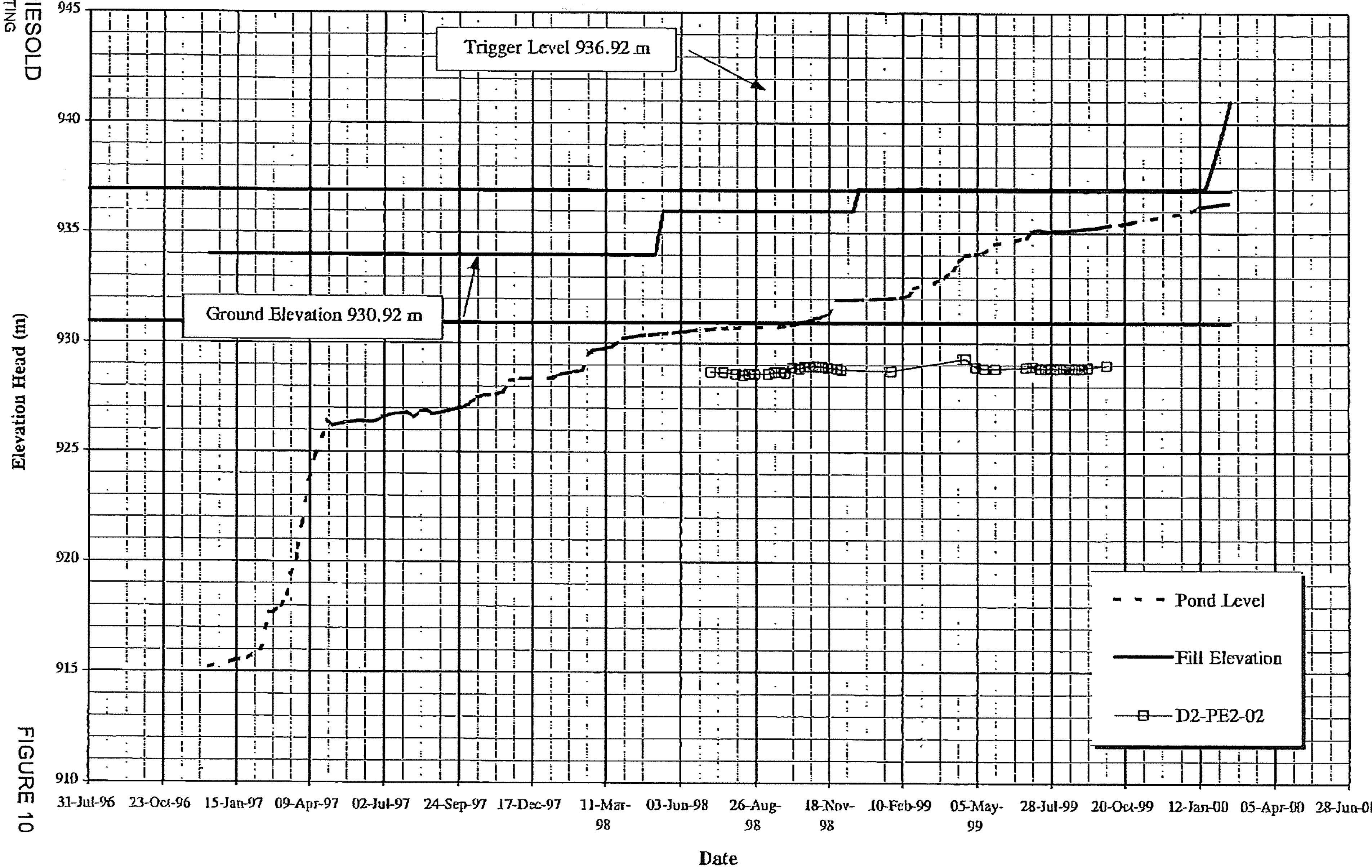

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FIGURE 10

MPPiez-e-rpt.xls Fdn Piezos 25/02/2000 7:56 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS

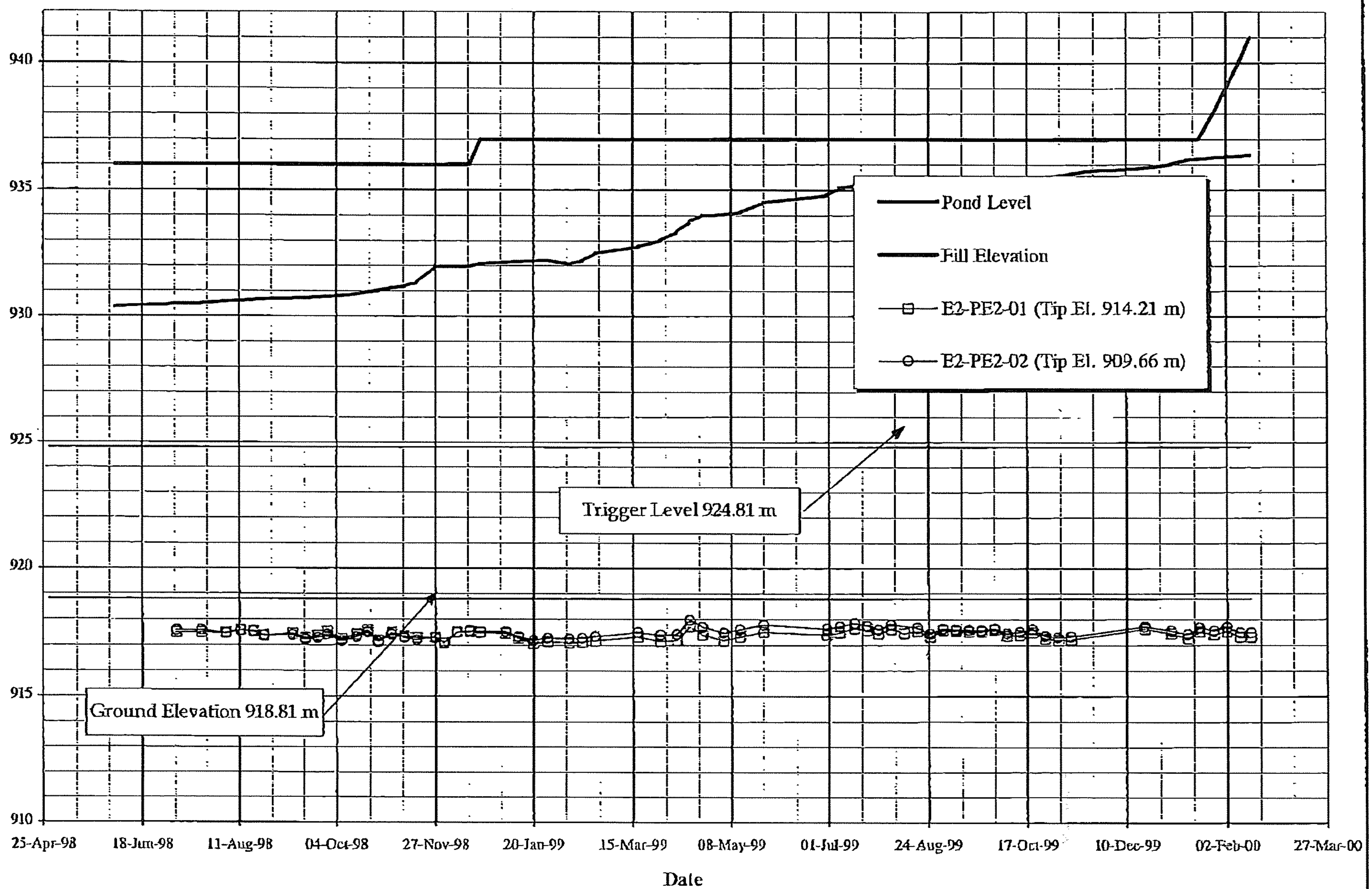

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FIGURE 11

Knight Piésold
CONSULTING

Knight Piésold Ltd.
1400 - 750 West Pender St.
Vancouver, BC V6C 2T8
CANADA
Tel: +1 (604) 685-0543
Fax: +1 (604) 685-0147
Fax: +1 (604) 687-2203

DATE:	February 16, 2000	**FILE NO:**	11162/13.01
TIME:	15:30	**REF. NO.:**	0/0418
OPERATOR:	ibm	**PAGES:**	1 of 20
SENDER:	Ian Manning	**APPROVED:**	KJB

TO:	Mount Polley Mining Corporation	**FAX:**	250-790-2268
ATTN:	Eric LeNeve, Don Parsons		
Cc:	Jeremy Kinch, KP Site Representative George Headley, Ministry of Energy and Mines		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report No. 11		

Eric,

Please find attached Progress Report No. 11 for Stage 2C Construction at Mount Polley Mine. This document is for the reporting period January 16 to 31, 2000.

Regards,

Ian Manning
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 11
JANUARY 16 TO 31, 2000

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Jeremy Kinch (JRK): left site on January 24
- Ken Embree (KDE): on-site January 17 to 19
- Ken Brouwer (KJB): on-site January 19
- Ian Manning (IBM): on-site as of January 25

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were mixed, with generally cloudy skies and occasional snow during the first half of the period, and mostly sunny skies during the remainder of the period.

Temperatures varied from lows of -21° to highs of +6° C. Snow and cold conditions caused construction activities to be suspended from January 16 to January 18.

1.3 DESIGN AND CONTRACT DEVELOPMENT

During on-site meetings from January 17 to 19, KDE and KJB met with MPMC management to review and discuss the Stage 3 design for the Tailings Facility.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations for 1999 were terminated on October 19. Since that time, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. During a previous reporting period, the bulk tailings discharge trench was relocated southwest of its original position to direct flows centrally within the tailings facility.

Following Stage 2C construction, the tailings pipeline system will be re-instated along the embankments. Bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond. Cyclone operations will resume in the future.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The MPMC Tailings Crew is responsible for foundation and grade preparation prior to fill placement, and for borrow area development. Peterson Contracting is responsible for fill loading, hauling and placement, as well as maintenance of haul roads.

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Zone B and S surface preparation was carried out as required prior to placement of each lift. This included stripping of ice, snow and loose frozen fill from all surfaces prior to fill placement.

- Both dayshift and nightshift Zone B and S fill placement was carried out over the reporting period. Dayshift construction activities took place on January 19 and from January 25 to 31. Nightshift work activities were carried out on January 19 and January 24 to 31. Backfilling of the trench in the Main Embankment upstream basin liner was carried out during dayshift on January 21 to 25.

- Zones B and S fill placement activities were carried out along the entire length of the Perimeter embankment from CH 27+85 to CH 44+50. The Perimeter Embankment crest was raised to elevation 941m at the abutments, and to approximate elevation 939m midway along the crest.

- Over the reporting period, till basin liner backfill was placed within a trench along the upstream Main embankment right abutment. This trench was originally excavated to relieve ponding water from the Main Embankment upstream toe drain area. The trench had been excavated through the original basin liner material and into the upper fractured bedrock layer. The trench was backfilled and compacted to Zone S specifications with suitable till from Borrow Area No. 2, to approximately 200 metres upstream of the Main Embankment.

- Till material placed in Zones B, S and within the basin liner trench came from Borrow Area No. 2. Preparatory work in the borrow area included snow removal, as well as stripping of unsuitable and frozen materials. Frost waste was primarily deposited within the Borrow Area No. 2 south spoil pile. However, some frost waste was used as construction material along the various Perimeter Embankment downstream access ramps.

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Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	8,870	58,670	109,452	54
B (till)	16,858	58,358	68,998	85
CBL (rockfill)	0	31,853	31,853	100
F (filter sand)	0	2,300	2,300	100
Stg 3 toe berm (rockfill)	0	3,507	-	-

Notes: 1. Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change, and to reflect actual surveyed construction volumes.
2. Fill volumes placed are based on load counts and are supplied by MPMC.

A summary of fill placement to date is shown on Figure 1. Total fill requirements have been adjusted, based on actual surveyed fill quantities to date. An increase in till volume requirements over initial volume calculations has been observed. This difference has been attributed to Stage 2C design changes, as-built construction over-build, and wasting from embankment grade during surface preparation activities.

Miscellaneous

- Dozer clearing and stripping advancement along the east side of Borrow Area No. 2.
- Grader work was carried out along TSF access roads.
- Zone FS filter sand material was spread onto TSF access road haul routes as needed to provide traction for trucks.
- Snow removal work was carried out over the reporting period in the Rock Borrow.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- Supervision of MPMC inspectors. Neil Giesbrecht (contract surveyor) provided inspection services during nightshift construction operations. The MPMC inspector's reports and QA/QC records were provided to the KP Site Engineer for review and compilation.

- Nuclear densometer record testing was carried out on all placed and compacted Zone B, S, and basin liner materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Proctor Maximum Dry Density (SMDD), and 95% of SMDD for Zone S material. Densometer testing confirmed that the required compaction specifications were achieved.

- KP provided ongoing monitoring of the following construction activities: stripping of unsuitable materials within Borrow Area No.2, excavation of suitable till materials for embankment construction, preparation of embankment surfaces prior to fill placement, and embankment fill lift thicknesses.

Miscellaneous

- JRK wrote and issued Progress Report No. 10, for the reporting period January 1 to 15, 2000.

- IBM updated laboratory summary tables and plots, as well as TSF piezometer plots.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

- On January 19th, the nightshift inspector observed fill freezing prior to compaction with temperatures dropping to -21°C. Some areas were rejected, and uncompacted frozen materials were subsequently removed from the fill.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

KP representatives read all active TSF piezometers on January 18 (JRK), 26 (IBM) and February 2 (IBM). Piezometers within the Perimeter Embankment cyclone sand downstream trial berm are no longer monitored as drained conditions have been achieved. The following observations are based on the summary data shown on Figures 2 to 11.

- Foundation Piezometers
  All foundation piezometers have generally remained static.

- Fill Piezometers
  Fill piezometers have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static and at very low head. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers
  Plane C tailings piezometers stopped functioning at the end of May 1999. Readings from Plane A and B tailings piezometers continue to mimic the pond level.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in Spring 2000, to continue monitoring of all foundation drain flows.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected since the first readings in 1999, due to low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

During the reporting period, Control Sample C/ZS-7 was collected from Borrow Area No. 2. Record Sample R/ZS-6 was collected from Zone S fill at CH 29+69, elevation 940.7 m. Both samples were

Knight Piésold
CONSULTING

sent to MTS Testing for laboratory analysis; however, results from this testwork were not available during the reporting period.

Submitted by,

Ian Manning
Knight Piésold

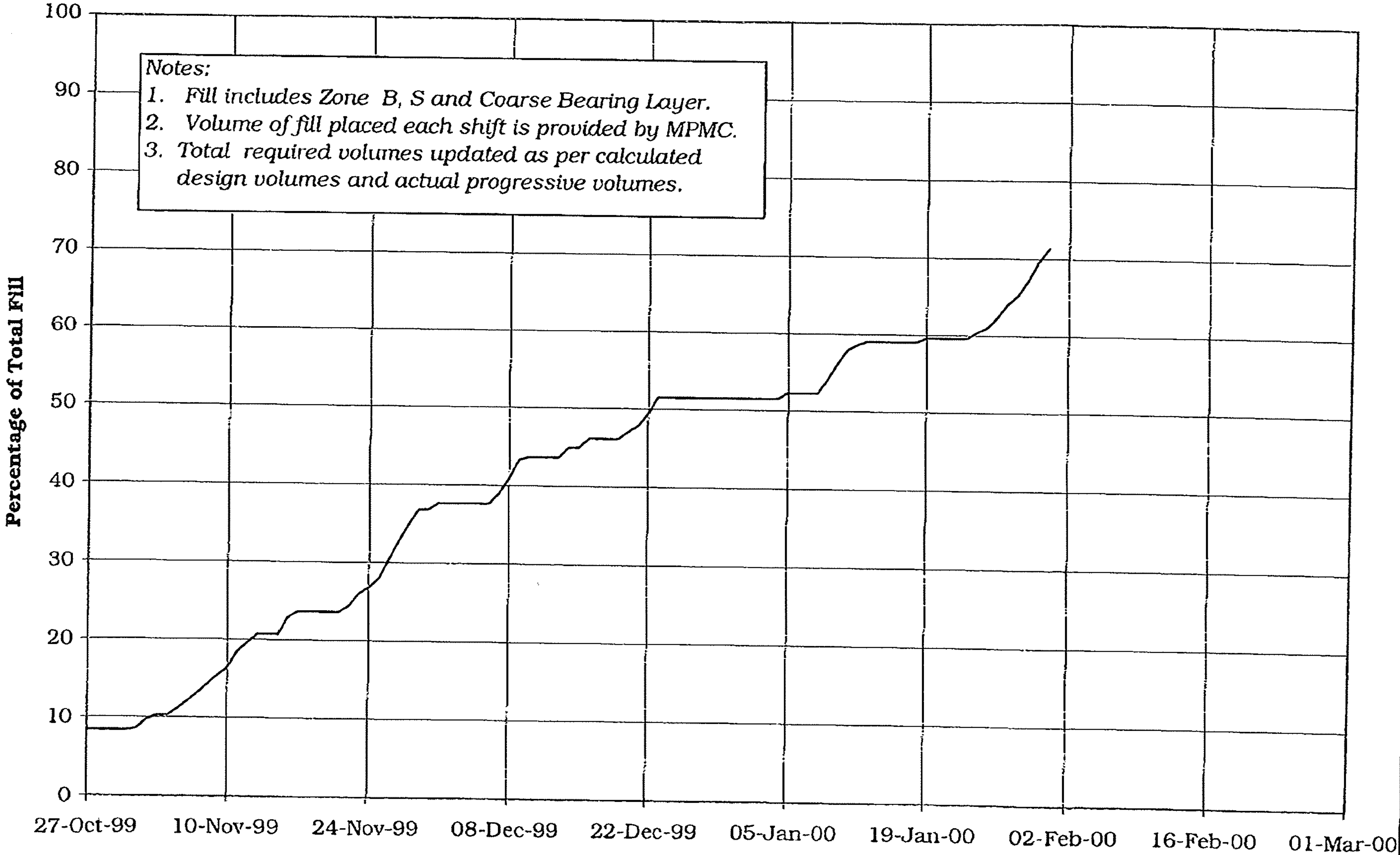
Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/Ken Embree, Project Manager, KP Vancouver
Jeremy Kinch, KP Site Engineer

STAGE 2C\PROGRESS\ fill placement.xls Figure 1

02/16/2000 2:14 PM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY

SUMMARY OF FILL PLACEMENT



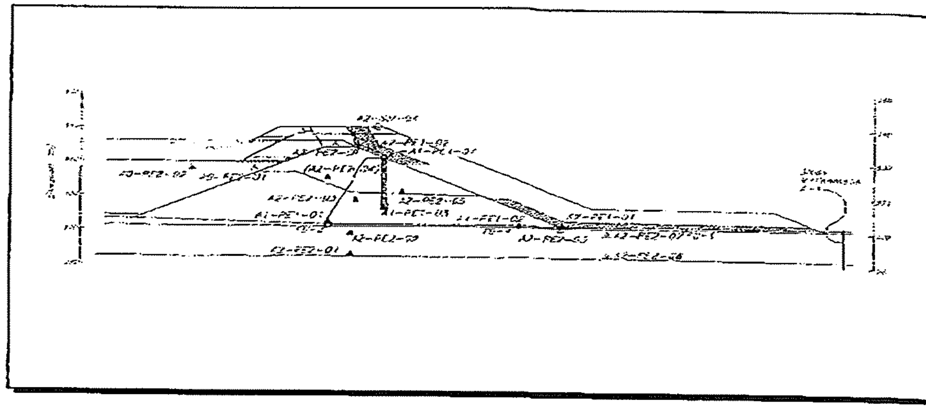
KNIGHT PIESOLD
CONSULTING

FIGURE 1

MPPiez-aAll Piezos

05/02/0011:30 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



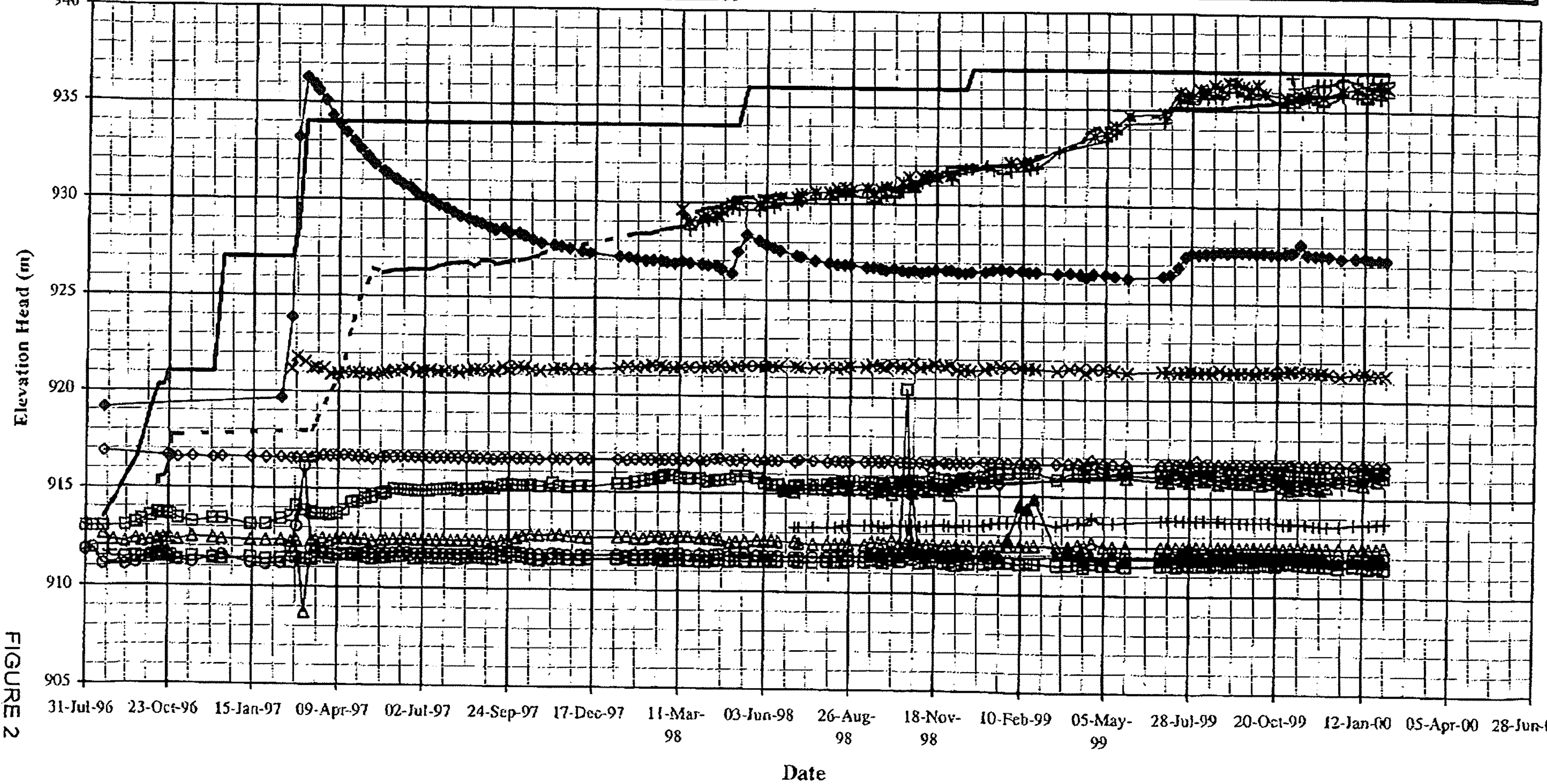


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FIGURE 2

MPPiez-b All Piezos

05/02/00 11:38 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS

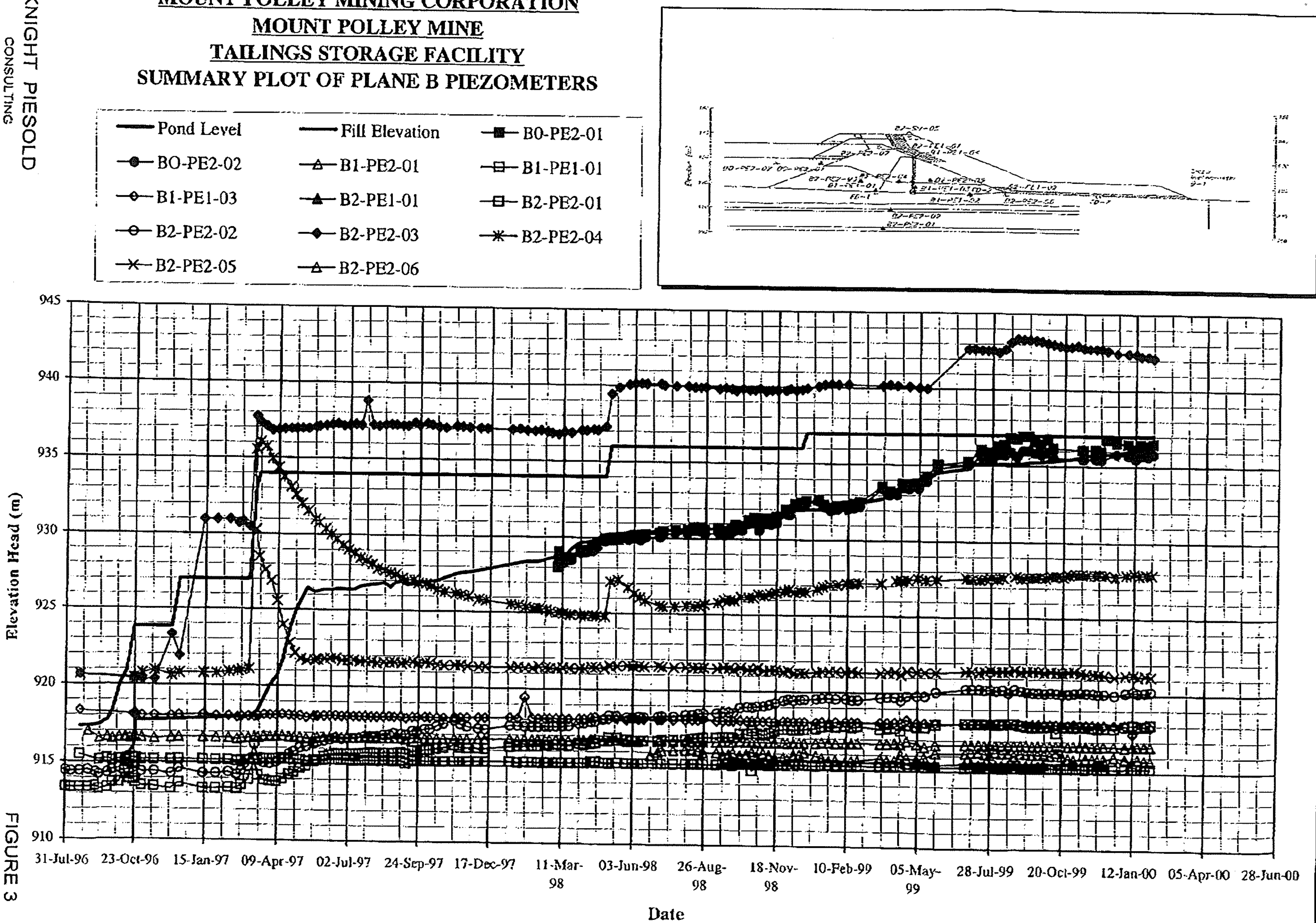

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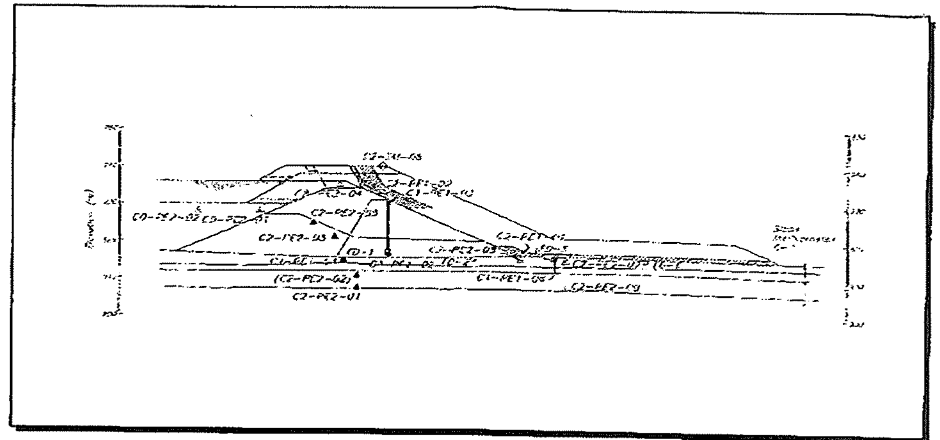
FIGURE 3

MPPiez-c All Piezos

05/02/00 11:45 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



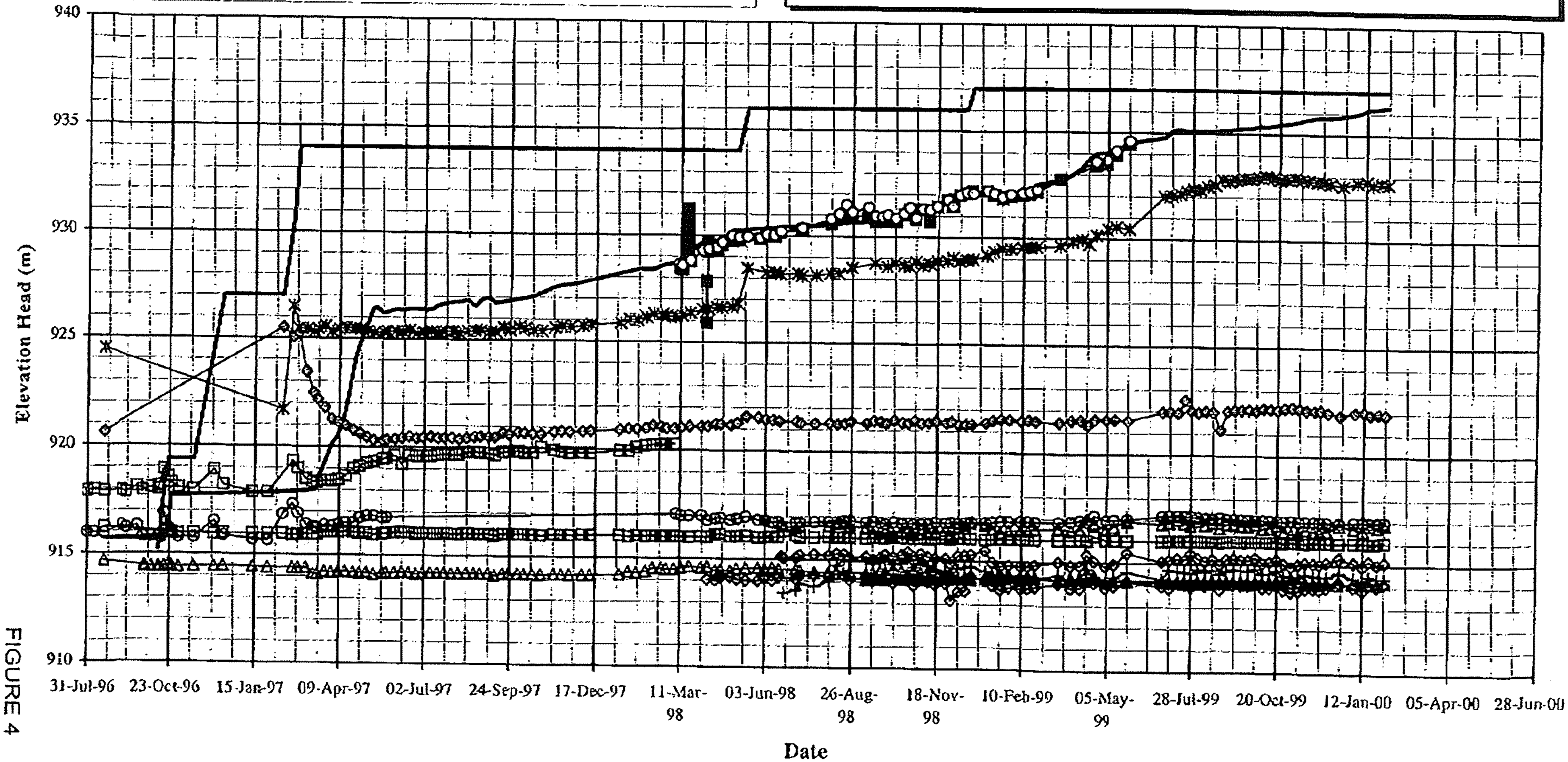


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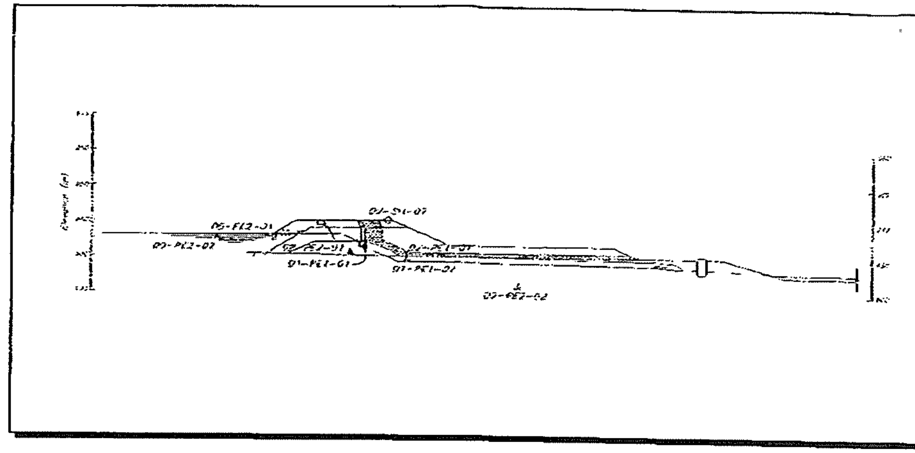
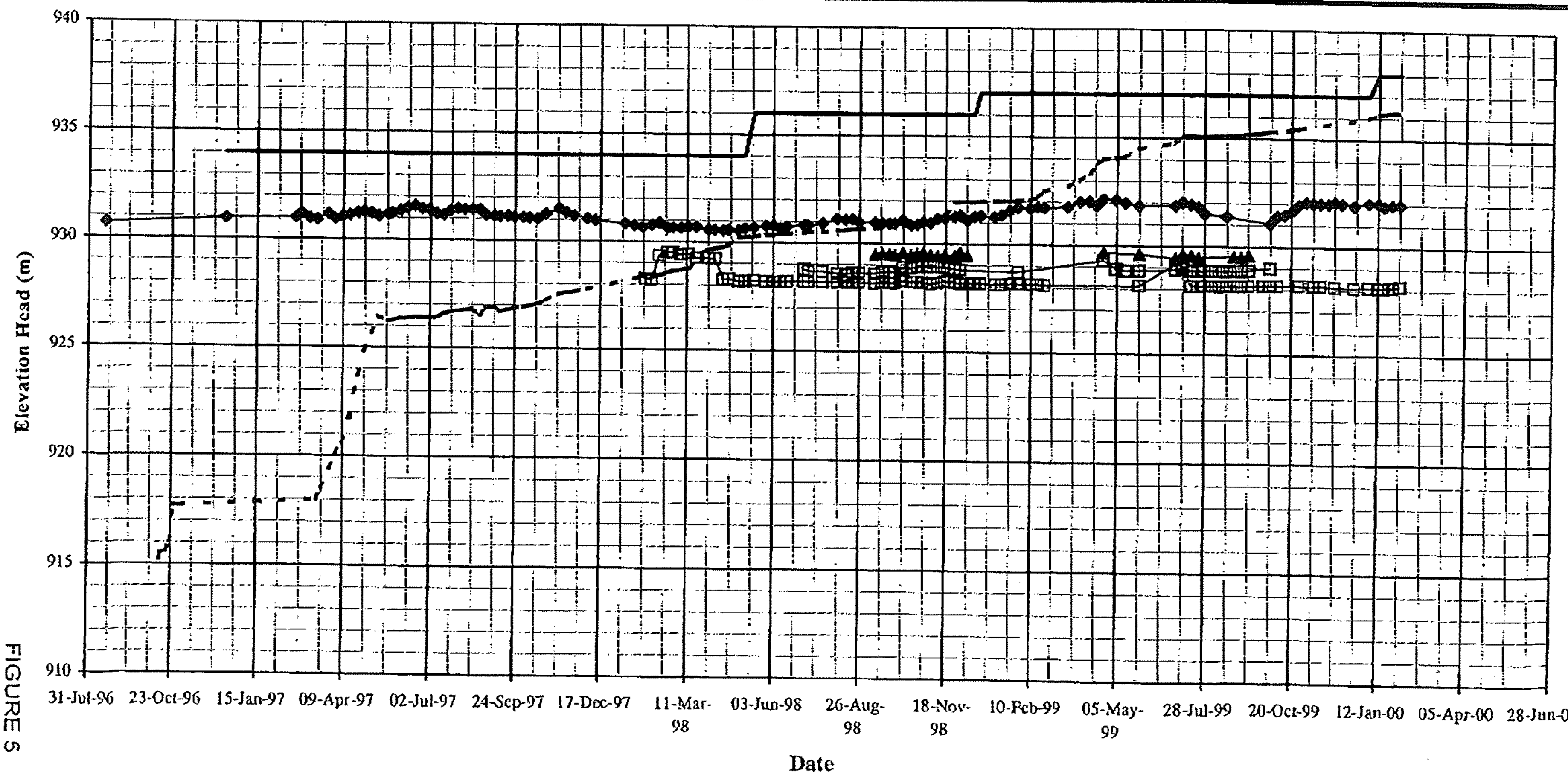
FIGURE 4

MPPiez-d All Piezos

05/02/00 11:47 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS





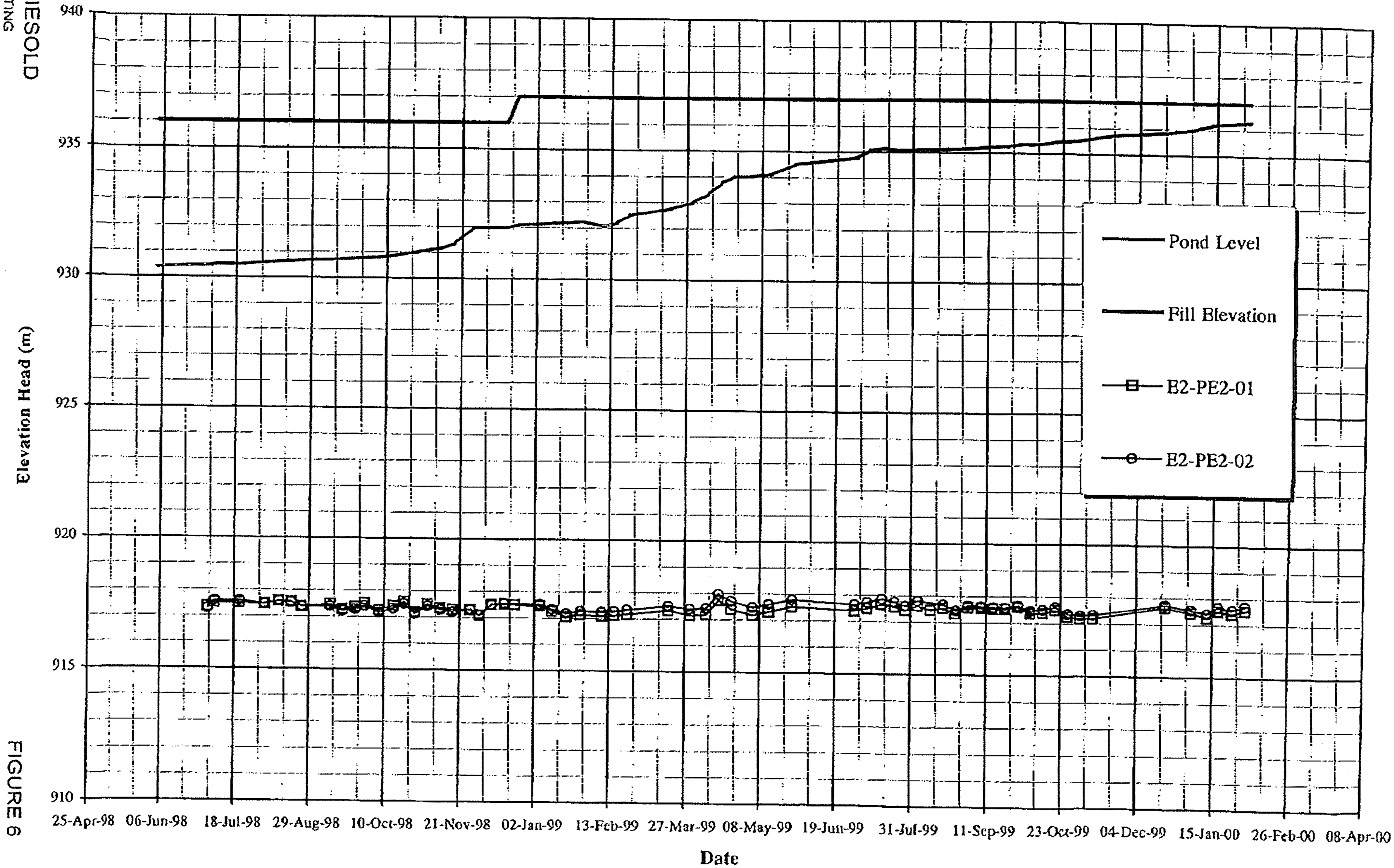
KNIGHT PIESOLD
CONSULTING

FIGURE 5

MPPiez-e All Piezos

05/02/00 11:50 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS



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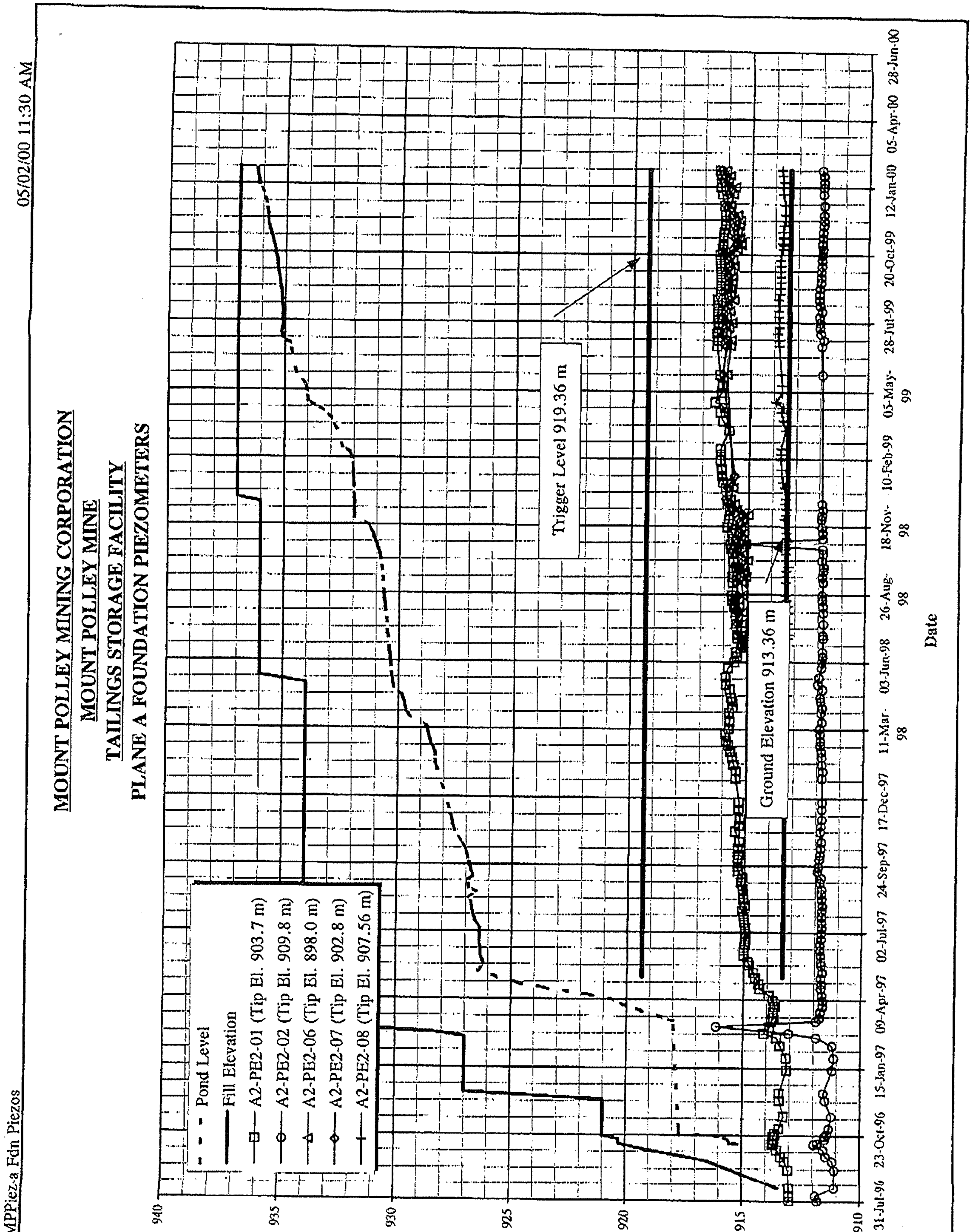
CONSULTING

FIGURE 6



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CONSULTING

FIGURE 7

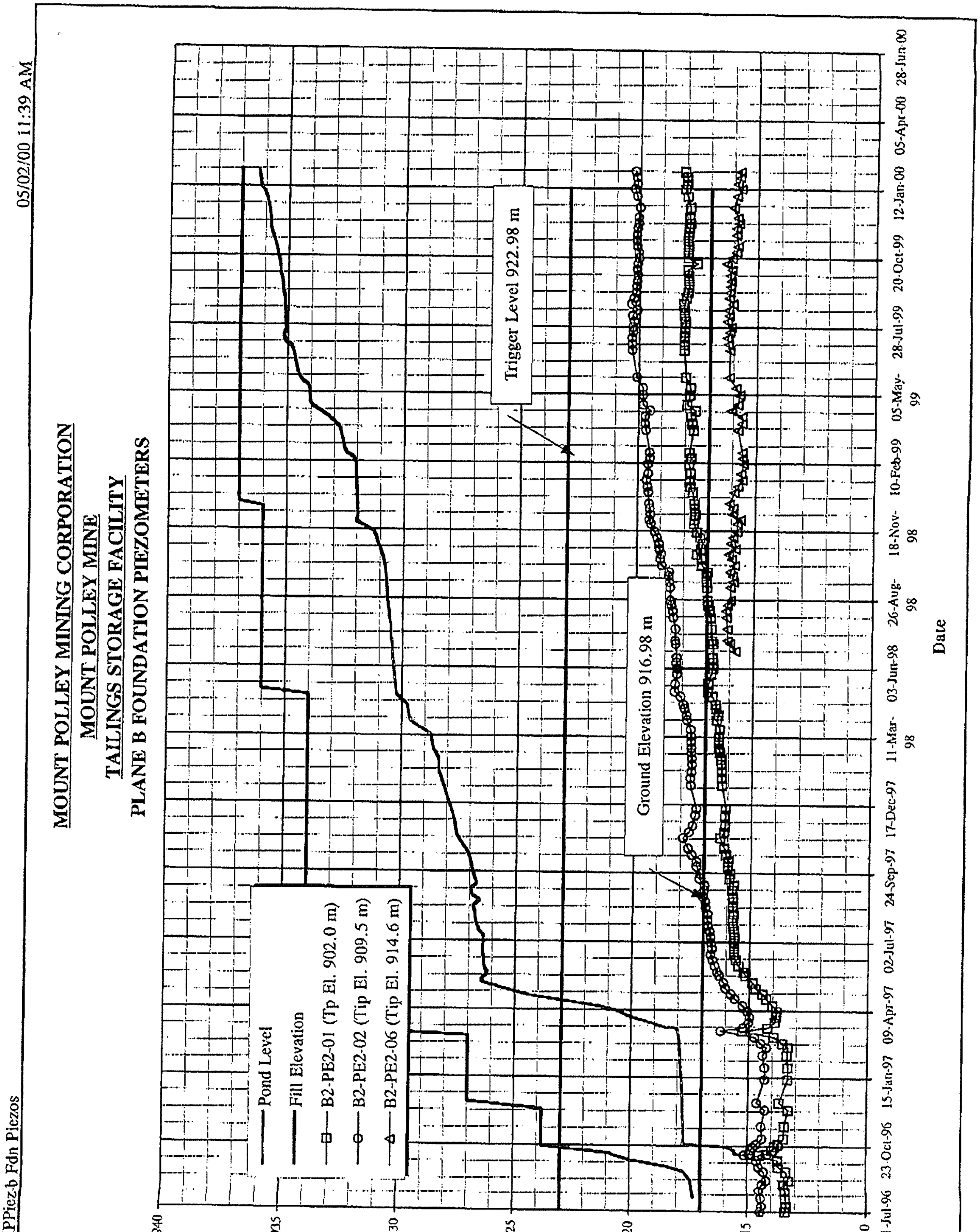

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FIGURE 8

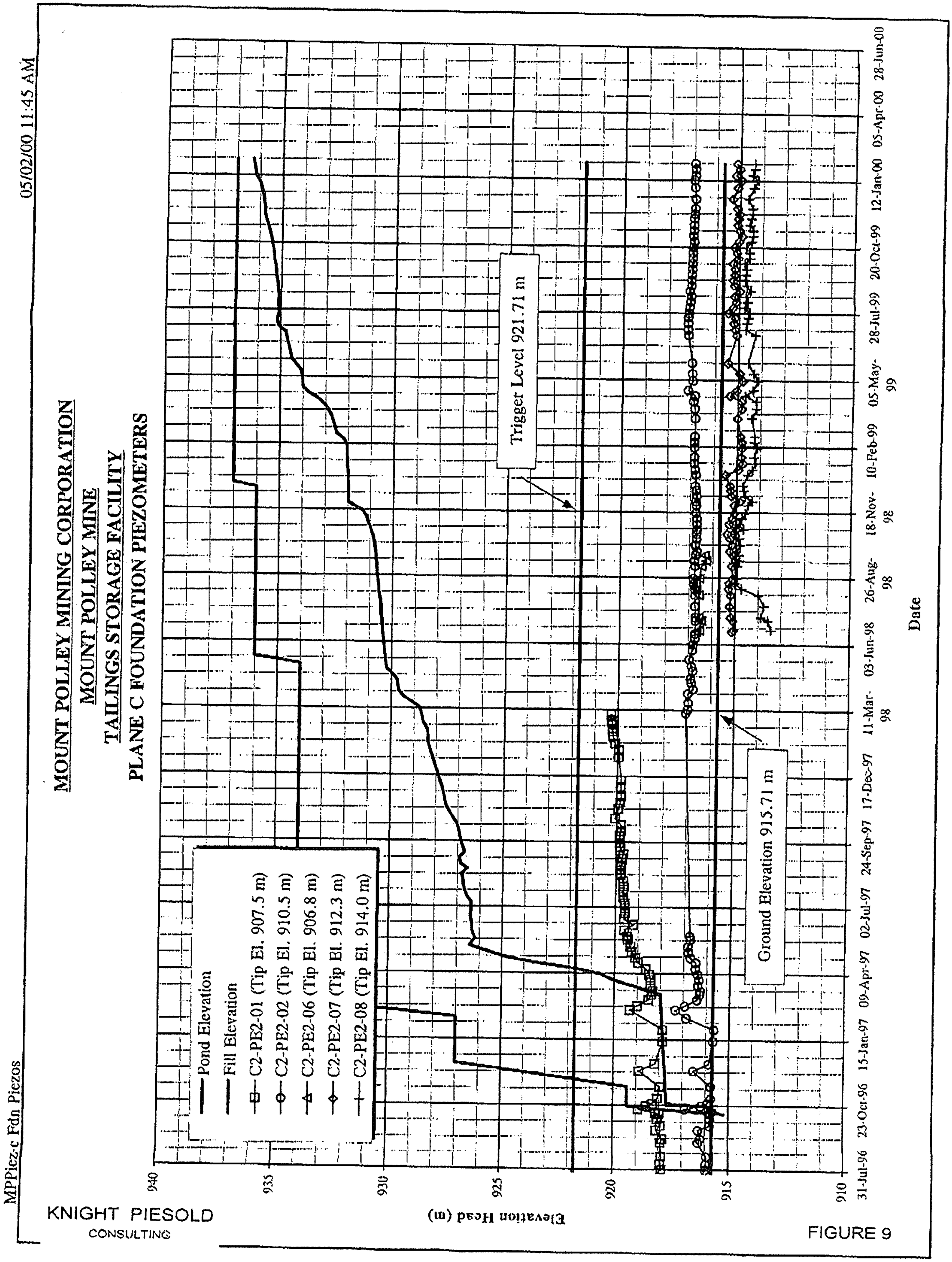
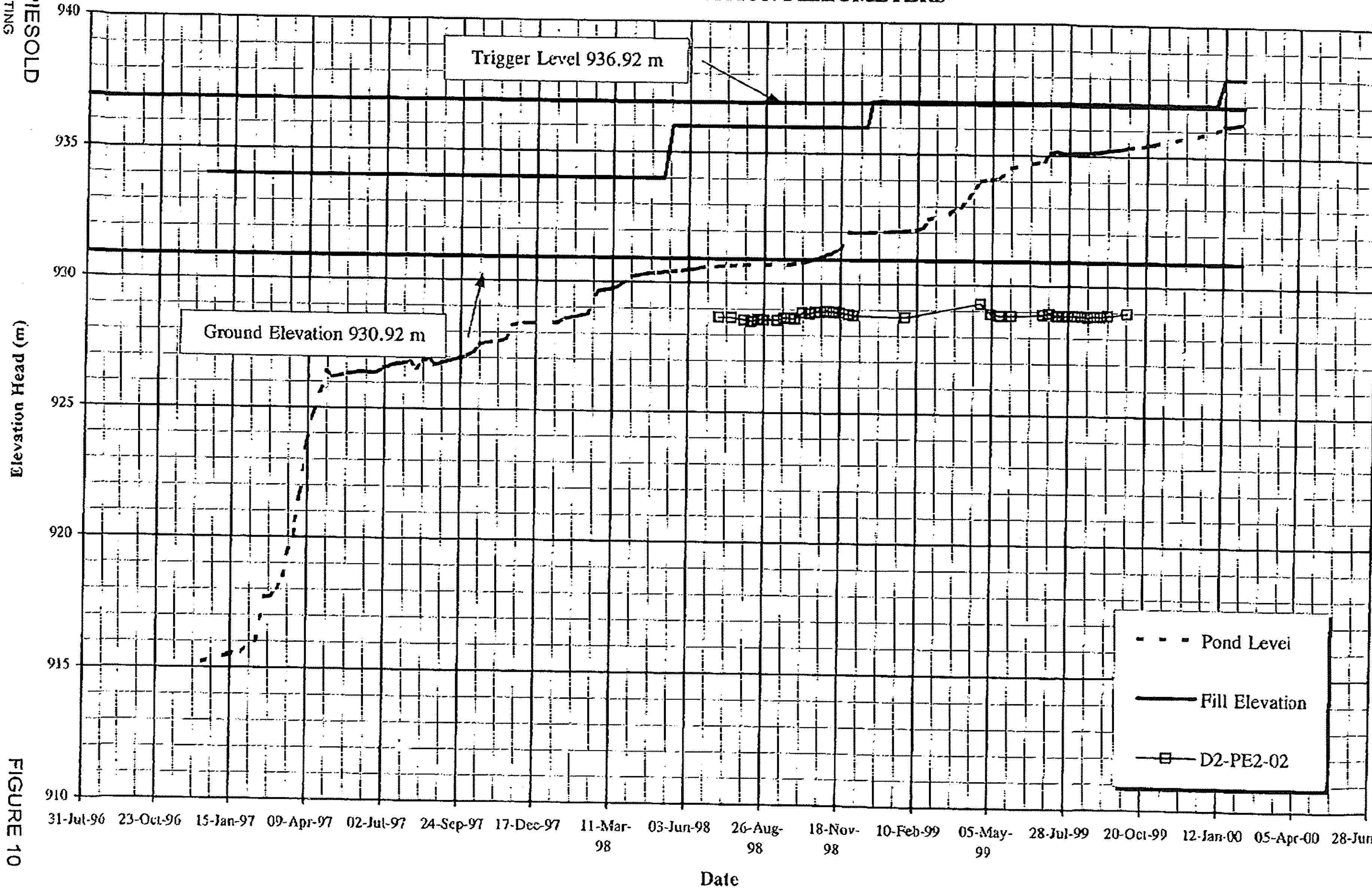

05/02/00 11:45 AM
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS
Pond Elevation
Fill Elevation
C2-PE2-01 (Tip El. 907.5 m)
C2-PE2-02 (Tip El. 910.5 m)
C2-PE2-06 (Tip El. 906.8 m)
C2-PE2-07 (Tip El. 912.3 m)
C2-PE2-08 (Tip El. 914.0 m)
Trigger Level 921.71 m
Ground Elevation 915.71 m
Elevation Head (m)
940
935
930
925
920
915
910
Date
31-Jul-96
23-Oct-96
15-Jan-97
09-Apr-97
02-Jul-97
24-Sep-97
17-Dec-97
11-Mar-98
03-Jun-98
26-Aug-98
18-Nov-98
10-Feb-99
05-May-99
28-Jul-99
20-Oct-99
12-Jan-00
05-Apr-00
28-Jun-00
MPPiez-c Fdn Piezos
KNIGHT PIESOLD
CONSULTING

FIGURE 9

MPPiez-d fdn piezos

05/02/00 11:48 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

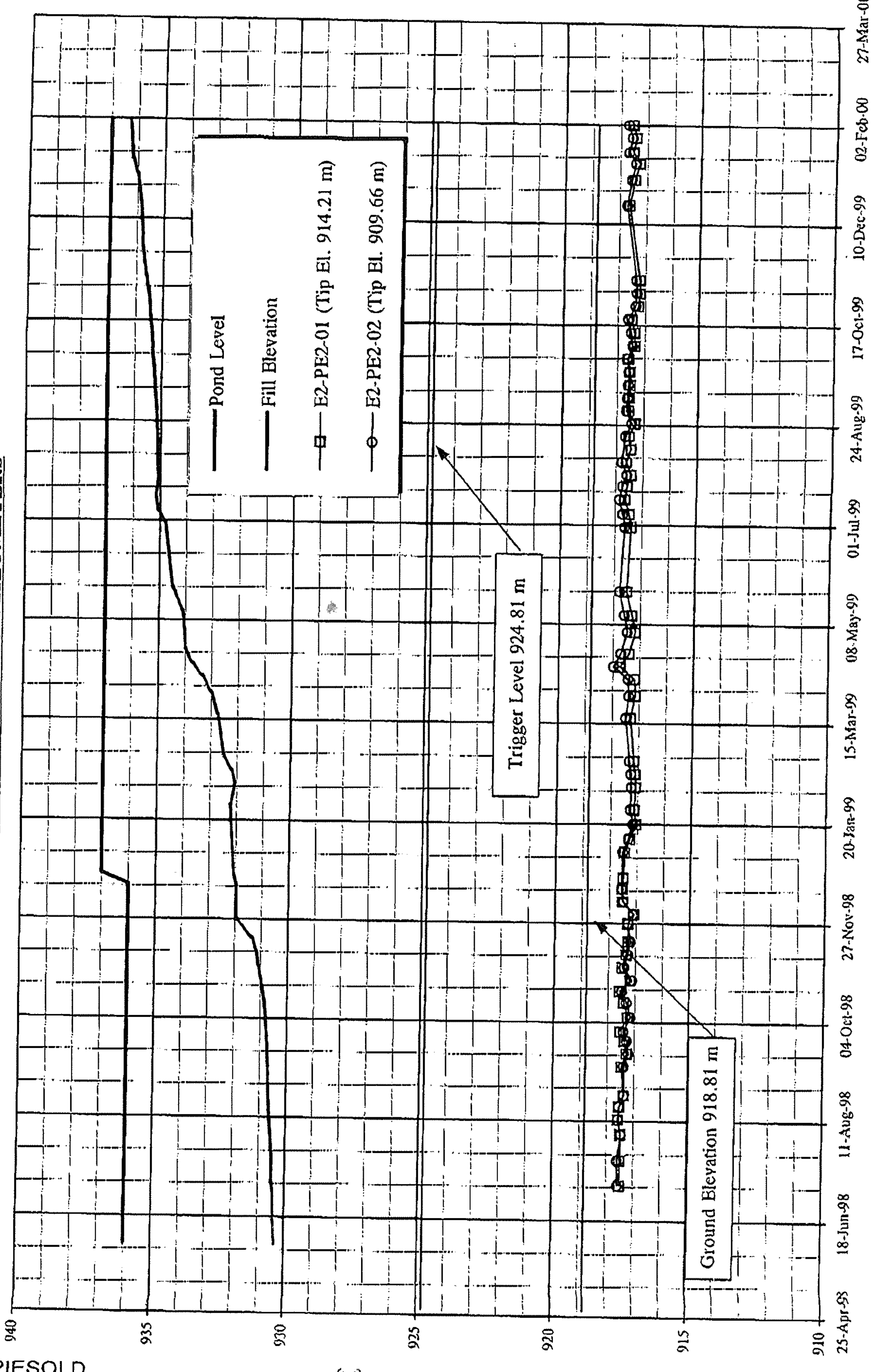


KNIGHT PIESOLD
CONSULTING

FIGURE 10

05/02/00 11:50 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS



MPPiez-e Fdn Piezos

KNIGHT PIESOLD
CONSULTING

FIGURE 11

Knight Piésold
CONSULTING

Knight Piésold, Mt. Polley Site
Fax: (250) 790-2268
Phone: (250) 790-2215

DATE:	January 21, 2000	**FILE NO.:**	11162/10.F01/F05
TIME:		**REF NO.:**	00-006
OPERATOR:		**PAGES:**	1 of 24
SENDER:	JRK	**APPROVED:**	

TO:	Knight Piésold Ltd.	**FAX :**	604-685-0147
ATTN:	Ken Embree, Ken Brouwer		
CC:	George Headley, Ministry of Energy and Mines Eric LeNeve, Tailings Co-ordinator, MPMC Don Parsons, Mine Superintendent, MPMC		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report No. 10		

Dear Ken,

Please find attached Progress Report No. 10 for Stage 2C Construction at Mount Polley Mine. This document is for the reporting period January 1 to 15, 2000.

Regards,

Jeremy Kinch

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 10
JANUARY 1 TO 15, 2000

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ian Manning (IBM): on site January 4, 2000
- Jeremy Kinch (JRK)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period varied considerably with alternating periods of sun and cloud, with occasional fog and snow. Temperatures varied from lows of –22° to highs of 0° C. Approximately 60 to 70 cm of snow has accumulated to date. Snow and cold conditions caused construction activities to be suspended from January 6 to January 8, and on January 14 and 15.

1.3 DESIGN AND CONTRACT DEVELOPMENT

There were no design modifications or contractual developments over the reporting period.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations for 1999 were terminated on October 19. Since that time, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. The bulk tailings discharge trench was relocated southwest of its original position during the previous reporting period to direct flows centrally within the tailings facility.

Following Stage 2C construction, the tailings pipeline system will be re-instated along the embankments. Bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond. Cyclone operations will resume in the spring.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The MPMC Tailings Crew is responsible for foundation and grade preparation prior to fill placement, and for borrow area development. Peterson Contracting is responsible for loading, hauling and placing fill, and maintenance of haul roads.

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Zone B and S surface preparation was carried out as required prior to placement of each lift. This included stripping of ice, snow and loose frozen fill from all surfaces prior to fill placement.

- A section of perimeter embankment foundation, from CH 44+50 to CH 44+65 (approximate elevation 940.0 m) was prepared and approved for fill placement.

- Both dayshift and nightshift Zone B and S fill placement was carried out over the reporting period. Dayshift construction activities took place on January 5 and from January 9 to 13. Nightshift work activities were carried out from January 9 to 12.

- Zones B and S fill placement activities were carried out along the Perimeter embankment from CH 39+60 to CH 44+65. The perimeter embankment crest was raised to approximate elevation 939.3 at CH 39+60 and elevation 941.0 at CH 44+65. Approximately 15 loads of Coarse Bearing Layer were placed from CH 43+90 to CH 44+30 to fill a low spot between the existing Zone B fill (till) and adjacent cyclone sand.

- Till material placed in Zones B and S came from Borrow Area No. 2. Preparatory work in the borrow area included removal of unsuitable and frozen material, and the development of a new face in the southeast section. Frost penetration up to approximately 1 m was observed.

Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	9,500	49,800	82,120	61
B (till)	6,400	41,500	52,610	79
CBL (rockfill)	0	31,853	31,853	100
F (filter sand)	0	2,300	2,300	100
Stg 3 toe berm (rockfill)	0	3,507	-	-

Notes: 1. Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change.

2. Fill volumes placed are based on load counts and are supplied by MPMC.

A summary of fill placement to date is shown on Figure 1.

Miscellaneous

- The make-up water line from Polley Lake is situated within the Stage 2C footprint at CH 44+67, El. 940 m. The water line was left in place because it crosses an access ramp and excavating it would have disrupted fill placement. It will have to be removed at a later date in order to tie in the Perimeter Embankment at the left abutment. The water line is clearly marked and no fill will be placed over it.

- Grader work was carried out along TSF access roads.

- Zone FS filter sand material was spread onto TSF access road haul routes as needed to provide traction for trucks.

- Additional equipment was brought to site by Peterson Contracting. These include a Terex 30 ton articulated haul truck, a grader equipped with a smooth blade, and a second smooth drum packer. There are now seven haul trucks on site. The grader will be used to control ruts in the fill and remove snow. The second packer is a contingency measure that will allow fill placement to continue if the first packer breaks down.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- Supervision of MPMC inspectors. Neil Giesbrecht (contract surveyor) provided inspection services during nightshift construction operations. The MPMC inspector's reports and QA/QC records were provided to the KP Site Engineer for review and compilation.

- A total of 132 field density tests were conducted on Zone S material during the reporting period. Measured dry densities ranged from 2003 to 2167 kg/m^3, and moisture contents ranged from 8.0 to 11.8 percent. The average measured dry density for Zone S was 97.1 percent of the Standard Proctor Maximum, well above the minimum requirement of 95 percent.

- A total of 74 field density tests were conducted on Zone B material during the reporting period. Measured dry densities ranged from 1947 to 2158 kg/m^3, and moisture contents ranged from 7.3 to 11.6 percent. The average measured dry density for Zone B was 95.6 percent, well above the minimum requirement of 92 percent.

- KP provided ongoing monitoring of the following: stripping of unsuitable materials within Borrow Area No.2, excavated till materials for embankment construction, embankment surfaces prior to fill placement, lift thickness.

Miscellaneous

- Ian Manning (IBM) was on site January 4 for an orientation tour with Jeremy Kinch (JRK), who is acting as KP Site Representative.

- Progress Report No. 9 was written and issued for the reporting period December 15 to 31, 1999.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

MPMC representatives read all active TSF piezometers on January 3 and 12. Piezometers within the Perimeter Embankment cyclone sand downstream trial berm are no longer monitored as drained conditions have been achieved. The following observations are based on the summary data shown on Figures 2 to 11.

- Foundation Piezometers
  All foundation piezometers have generally remained static.

- Fill Piezometers
  Fill piezometers have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static and at very low head. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers
  Plane C tailings piezometers stopped functioning at the end of May 1999. Readings from Plane A and B tailings piezometers continue to mimic the pond level.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in Spring 2000, to continue monitoring of all foundation drain flows.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Control Sample C/ZS-6 was collected from Borrow Area No. 2. Record Sample R/ZS-5 was collected from Zone S fill at CH 40+80, elevation 938.3 m. Both samples met the specifications for Zone S and Zone B. Summaries of laboratory testwork are attached.

Submitted by,

Jeremy Kinch
Knight Piésold

Knight Piésold
CONSULTING

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/Ken Embree, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY

SUMMARY OF FILL PLACEMENT

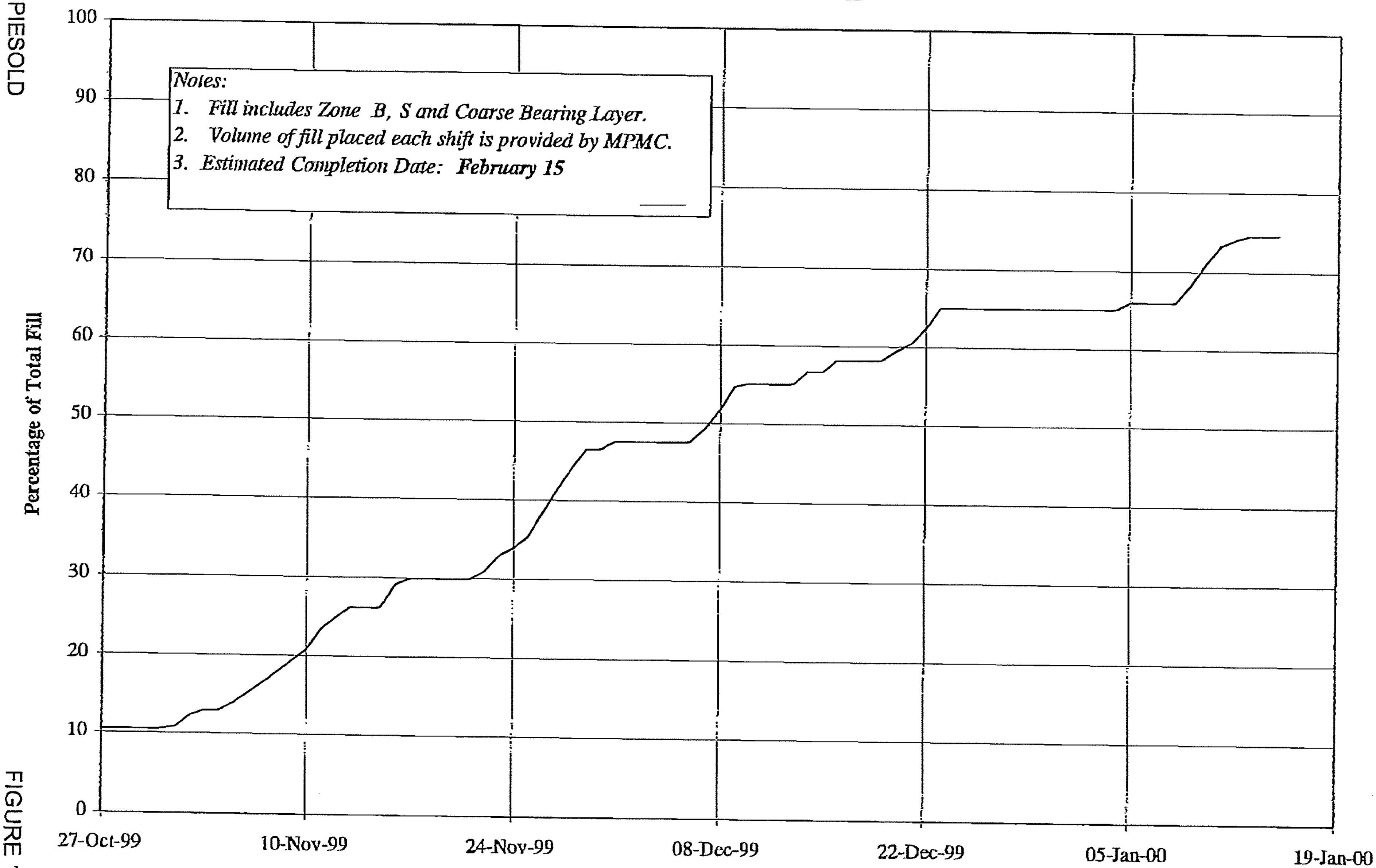


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FIGURE 1

MPPiez-a.xlsAll Piezos

21/01/20008:24 AM

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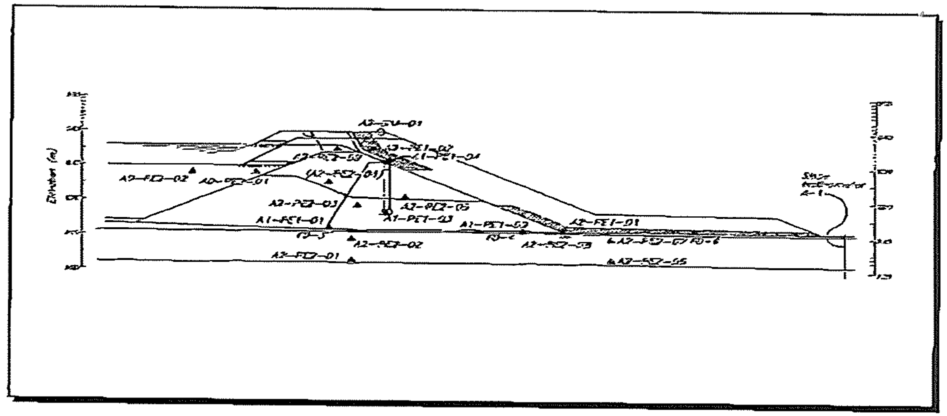
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



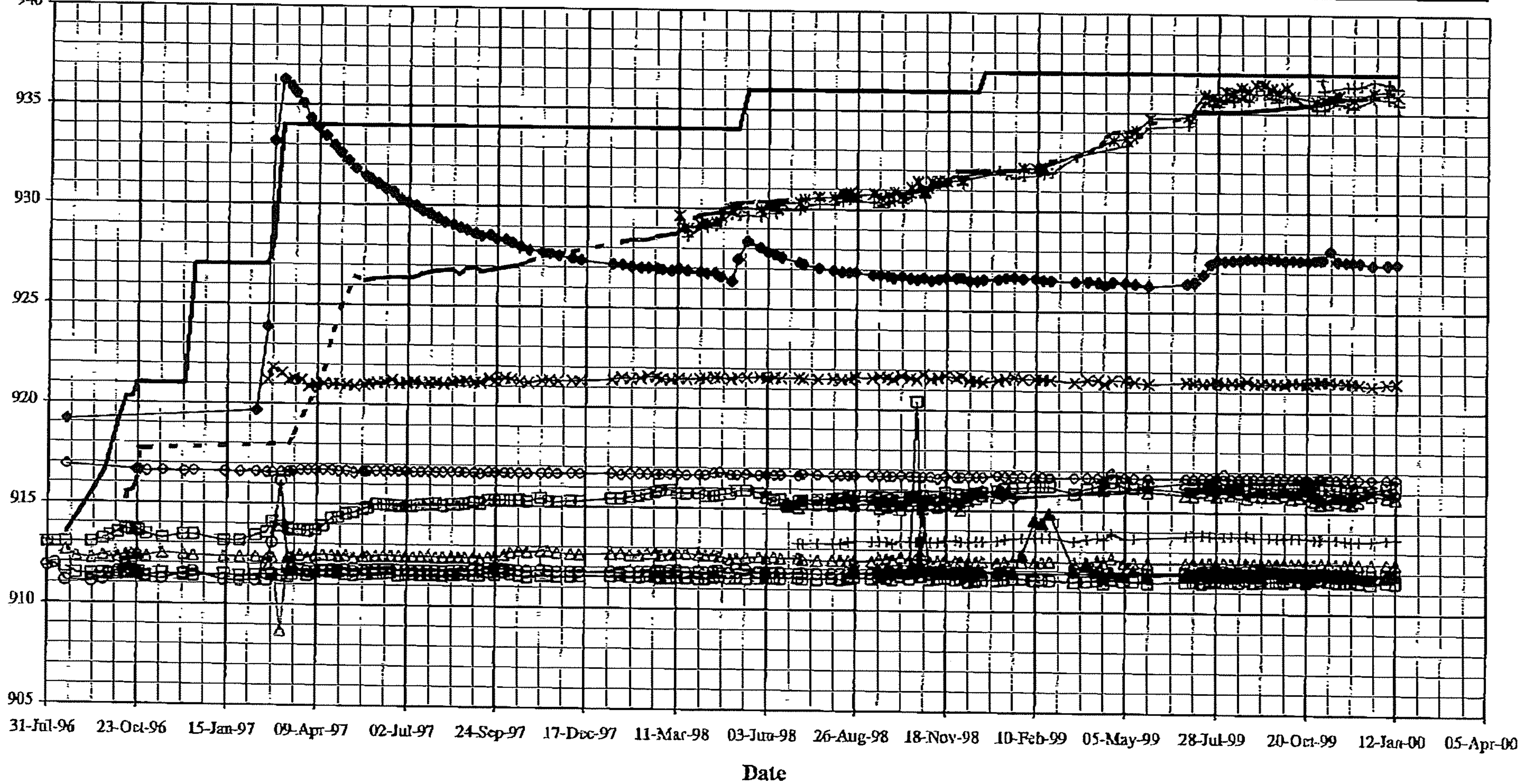


FIGURE 2

KNIGHT PIESOLD
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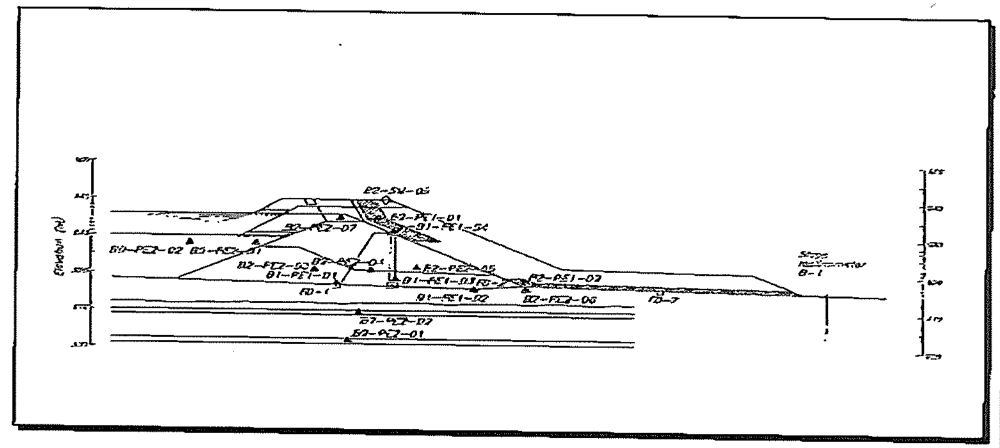
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



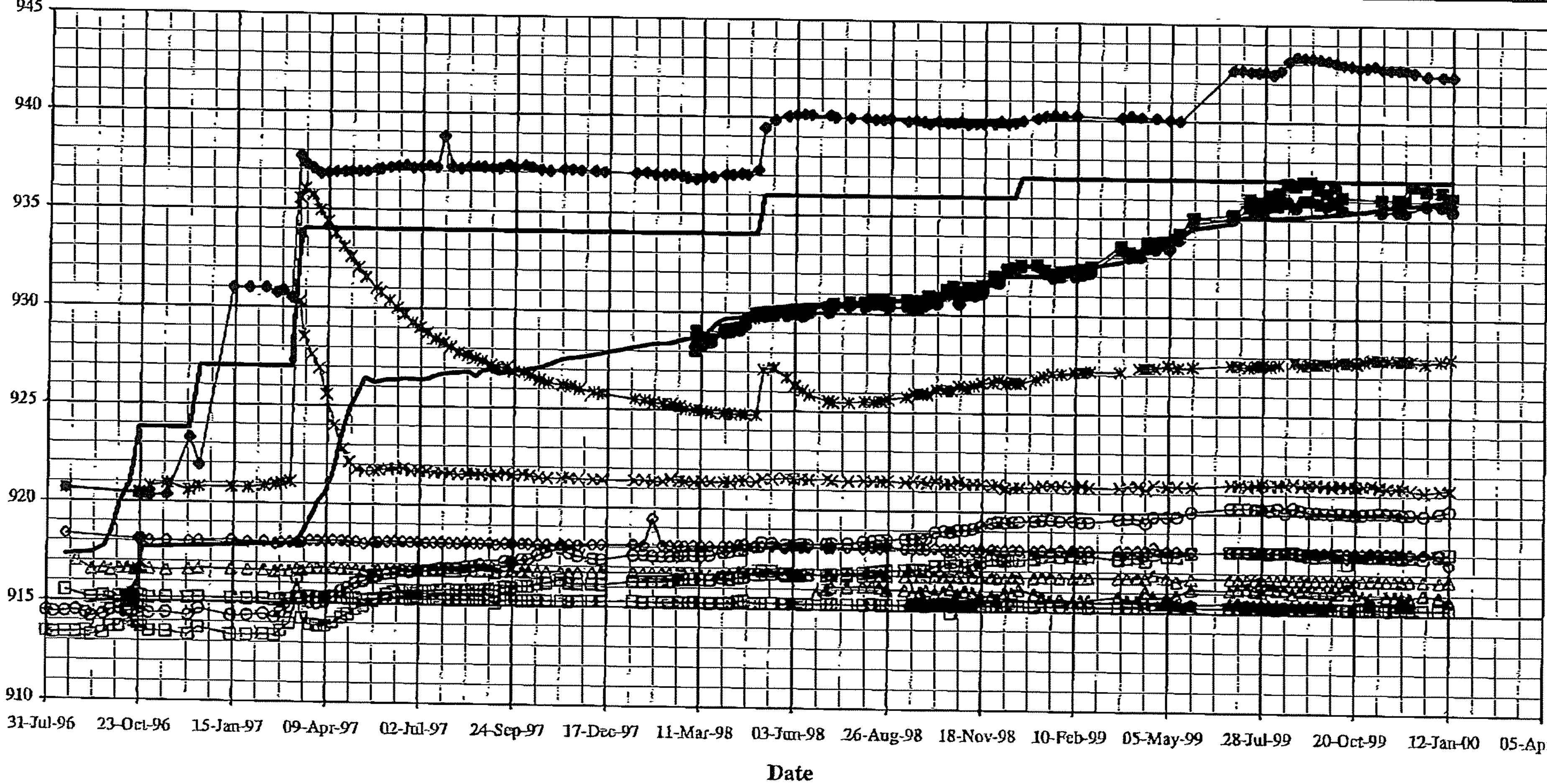


FIGURE 3

KNIGHT PIESOLD
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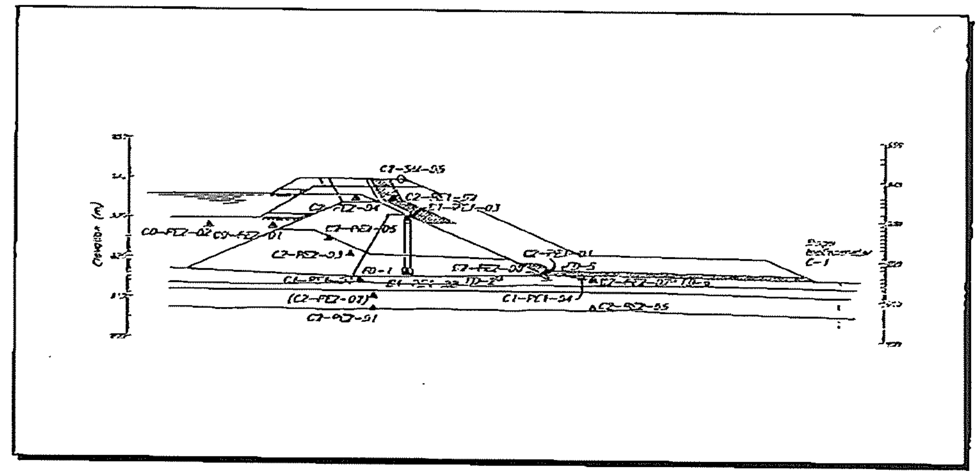
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



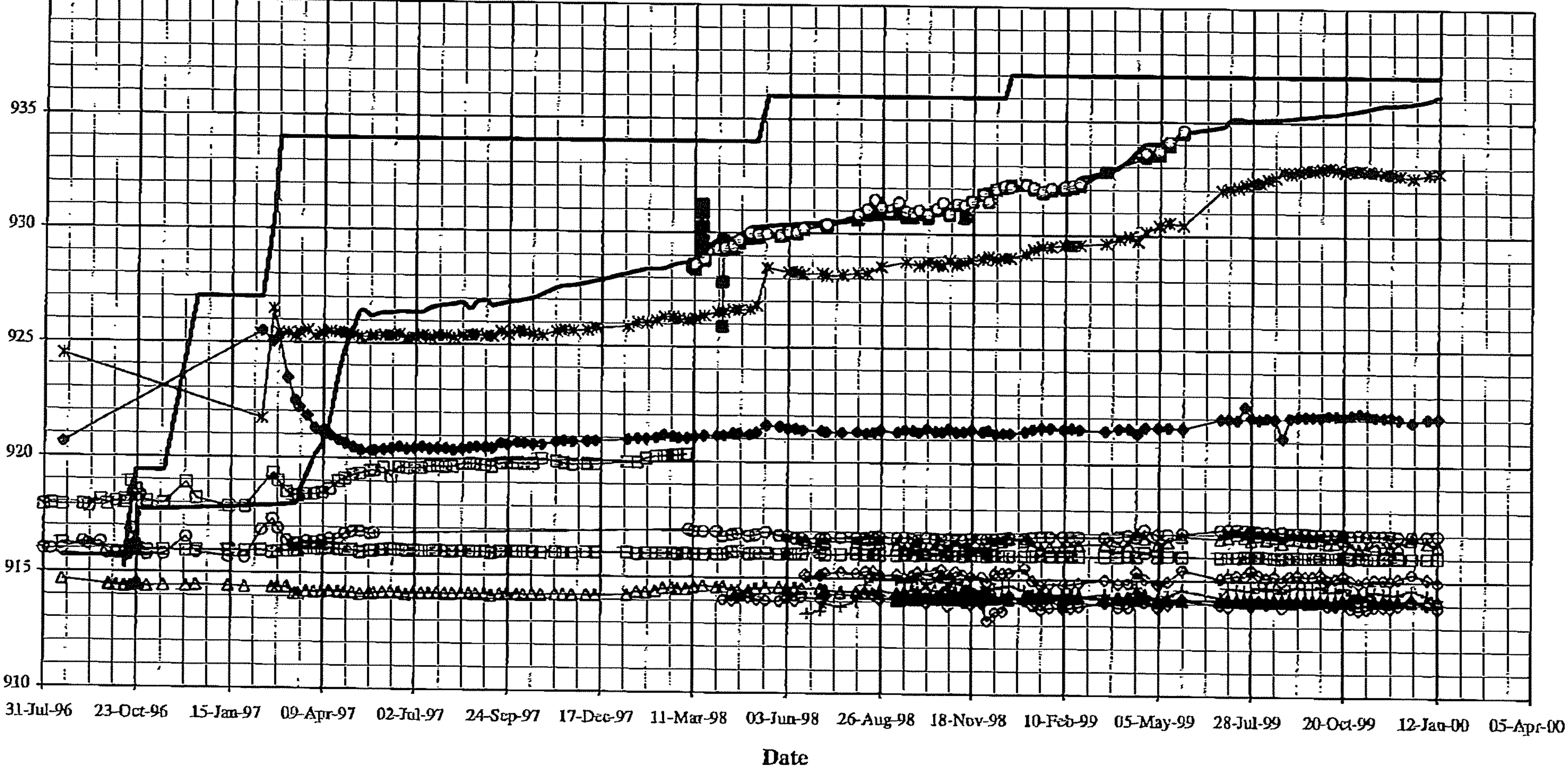
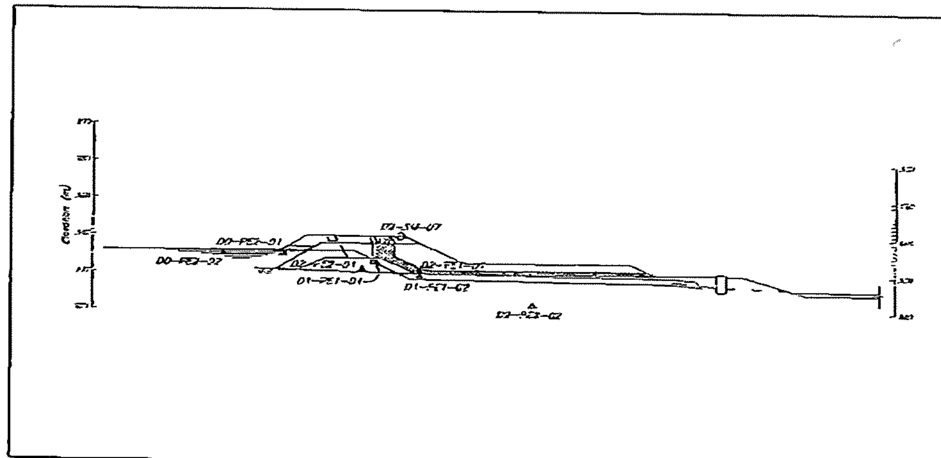


FIGURE 4

MPPiez-d.xls All Piezos 21/01/2000 8:27 AM

KNIGHT PIESOLD
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



Pond Level — Fill Elevation — D1-PB1-02
D2-PB1-01 — D2-PE2-01 — D2-PE2-02

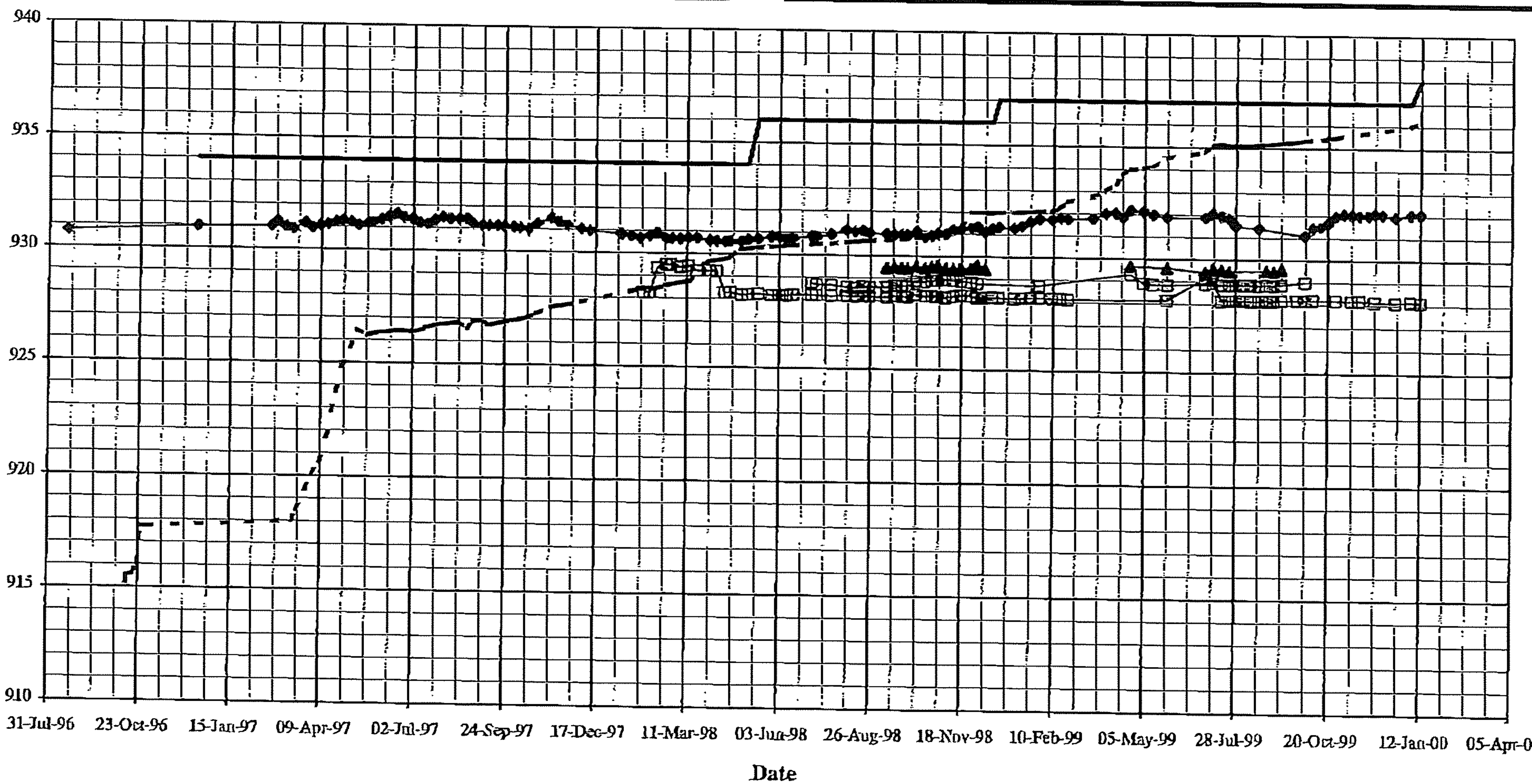


FIGURE 5

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

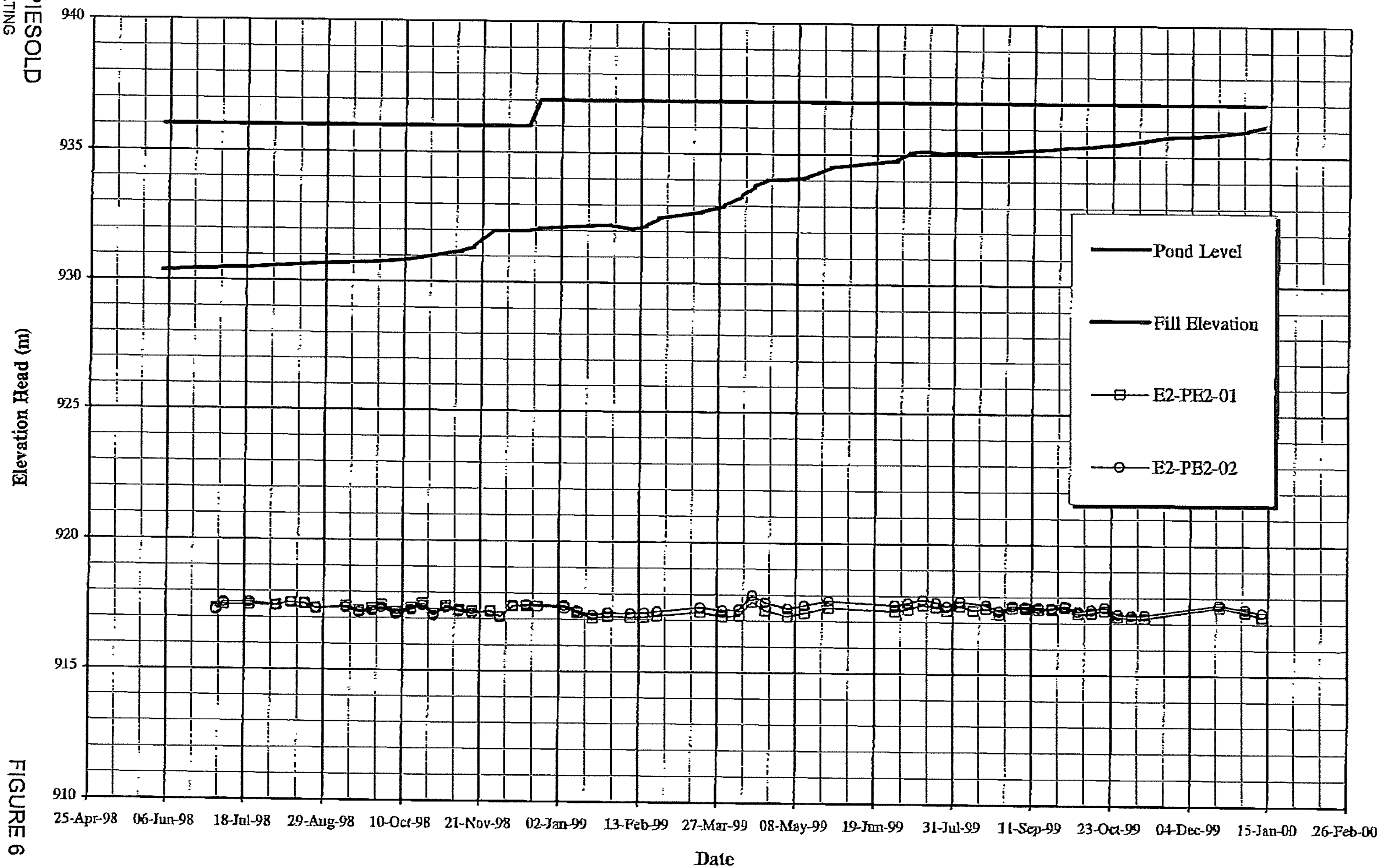


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FIGURE 6

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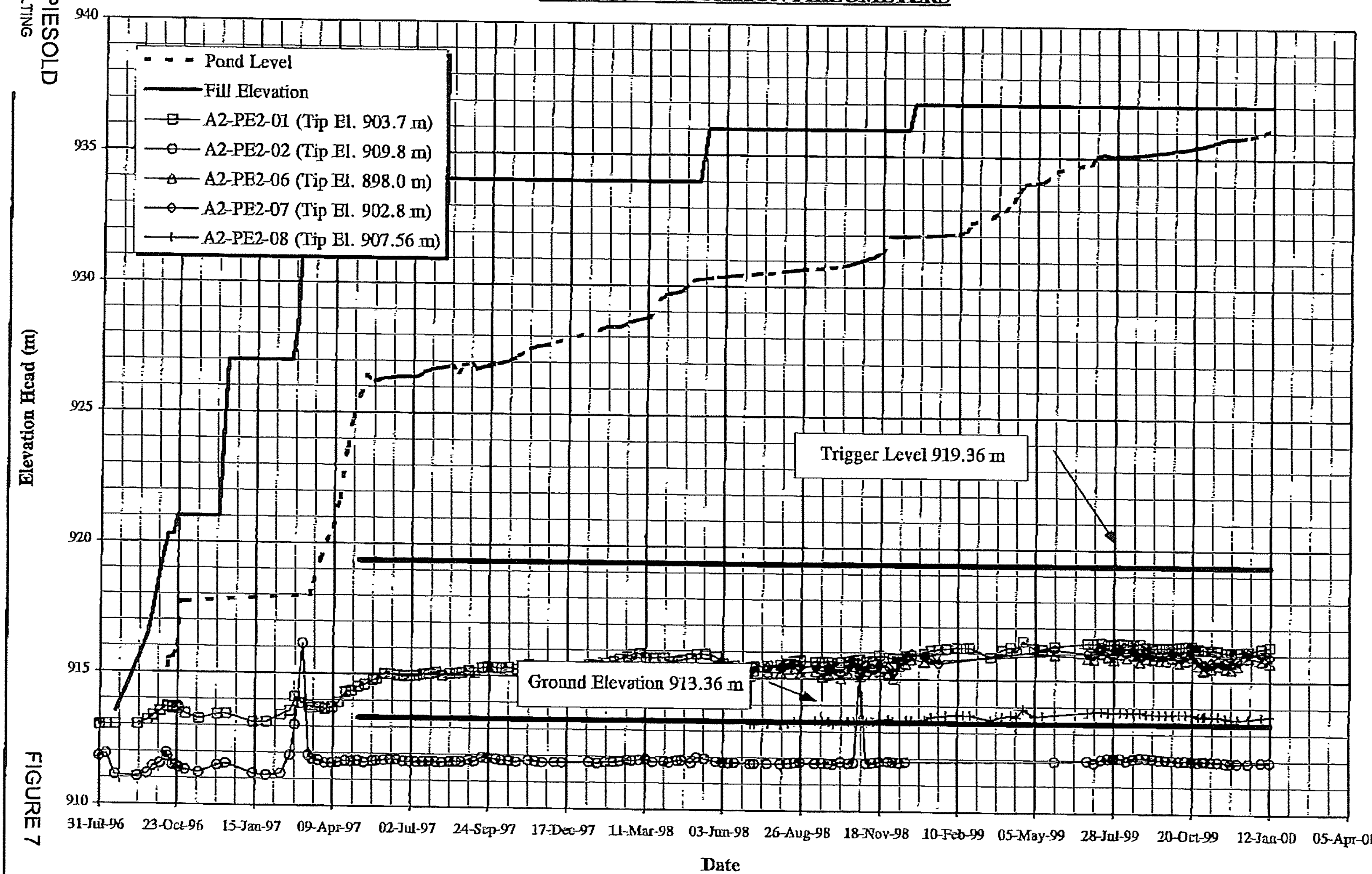
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS



KNIGHT PIESOLD
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FIGURE 7

MPP...-6.xls Fdn Piezos

21/01/2000 8:25 AM

KNIGHT PIESOLD
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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

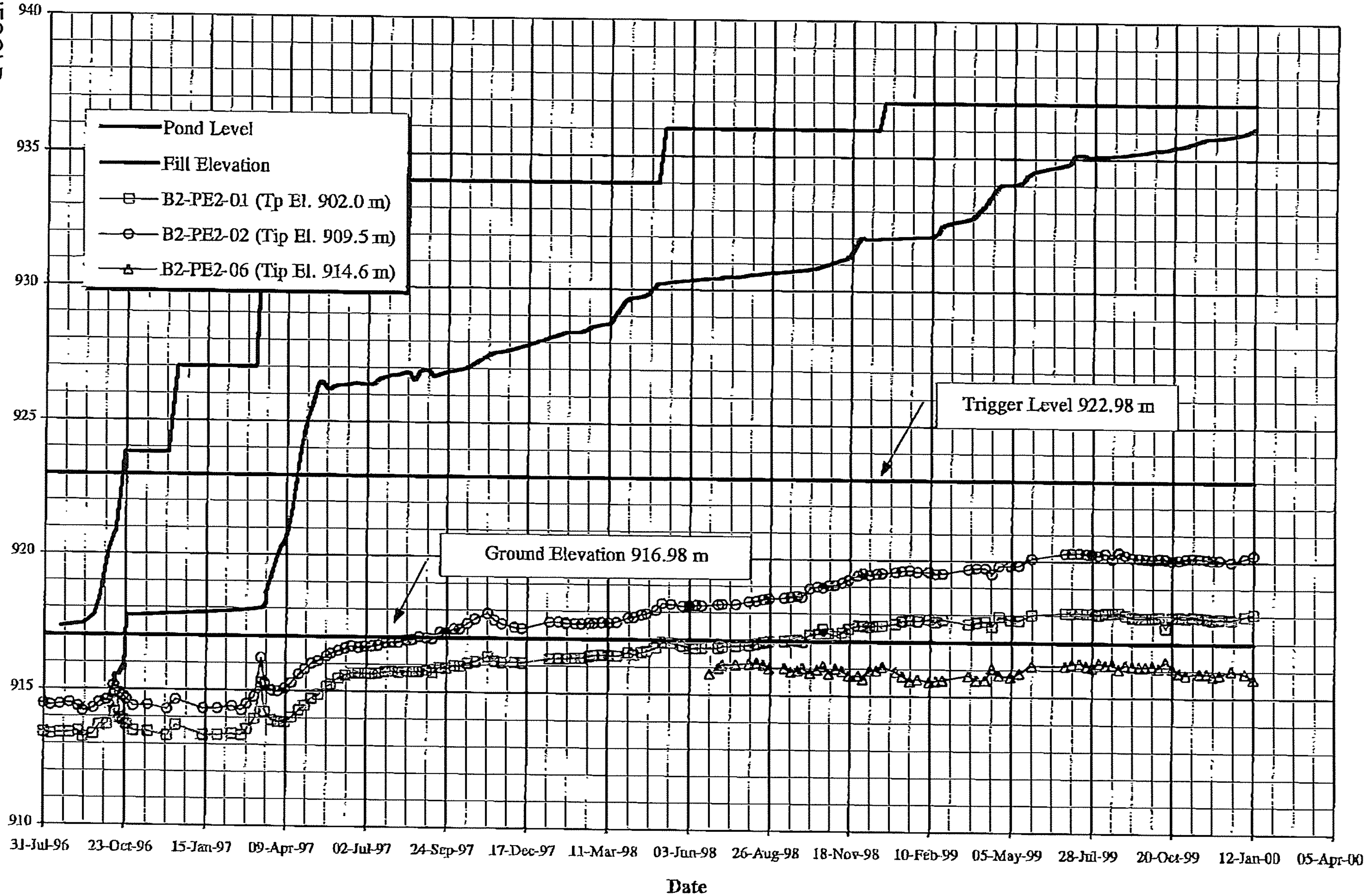
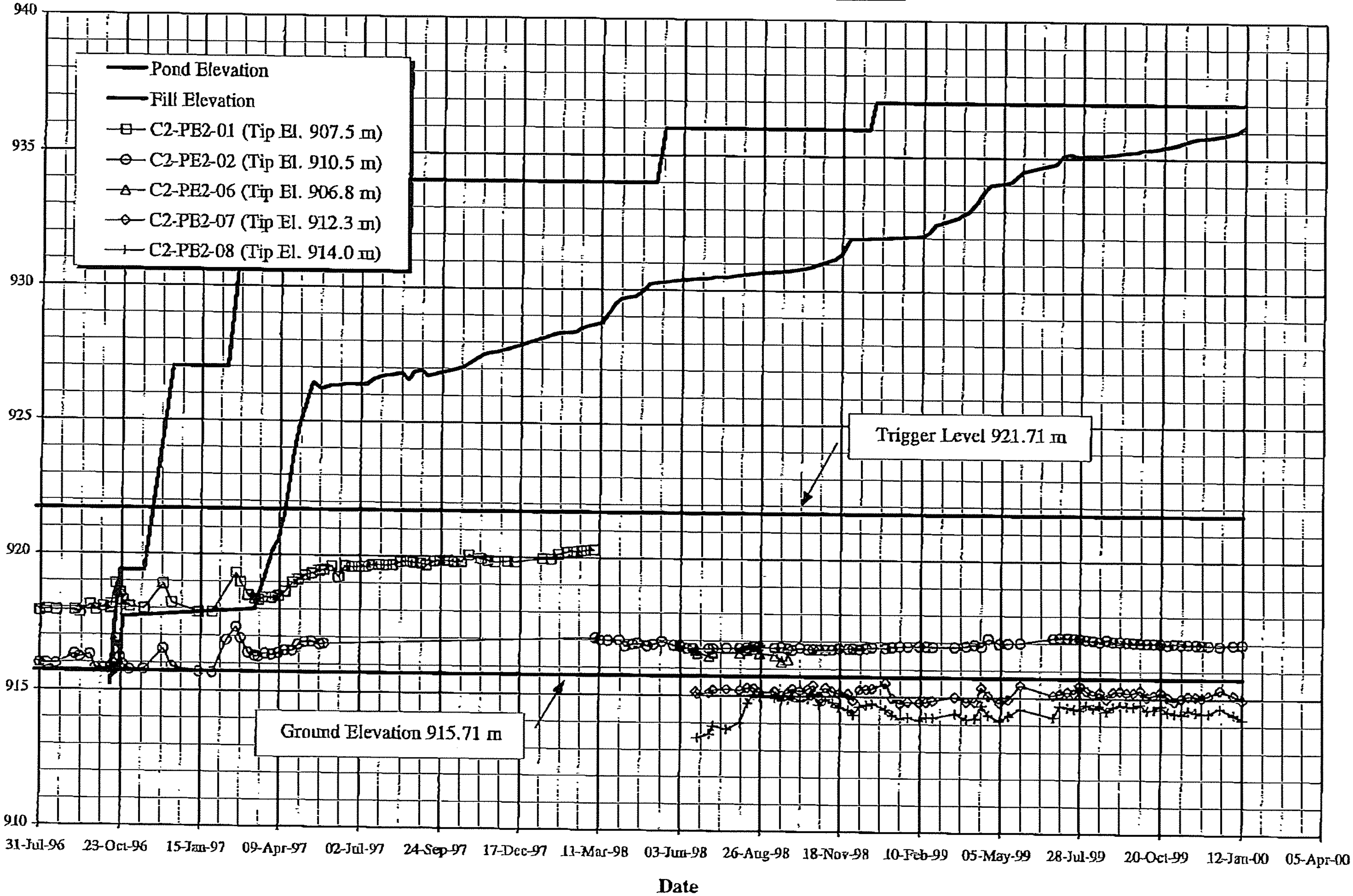


FIGURE 8

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS



KNIGHT PIESOLD
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FIGURE 9

MPP...d.xls fdn piezos

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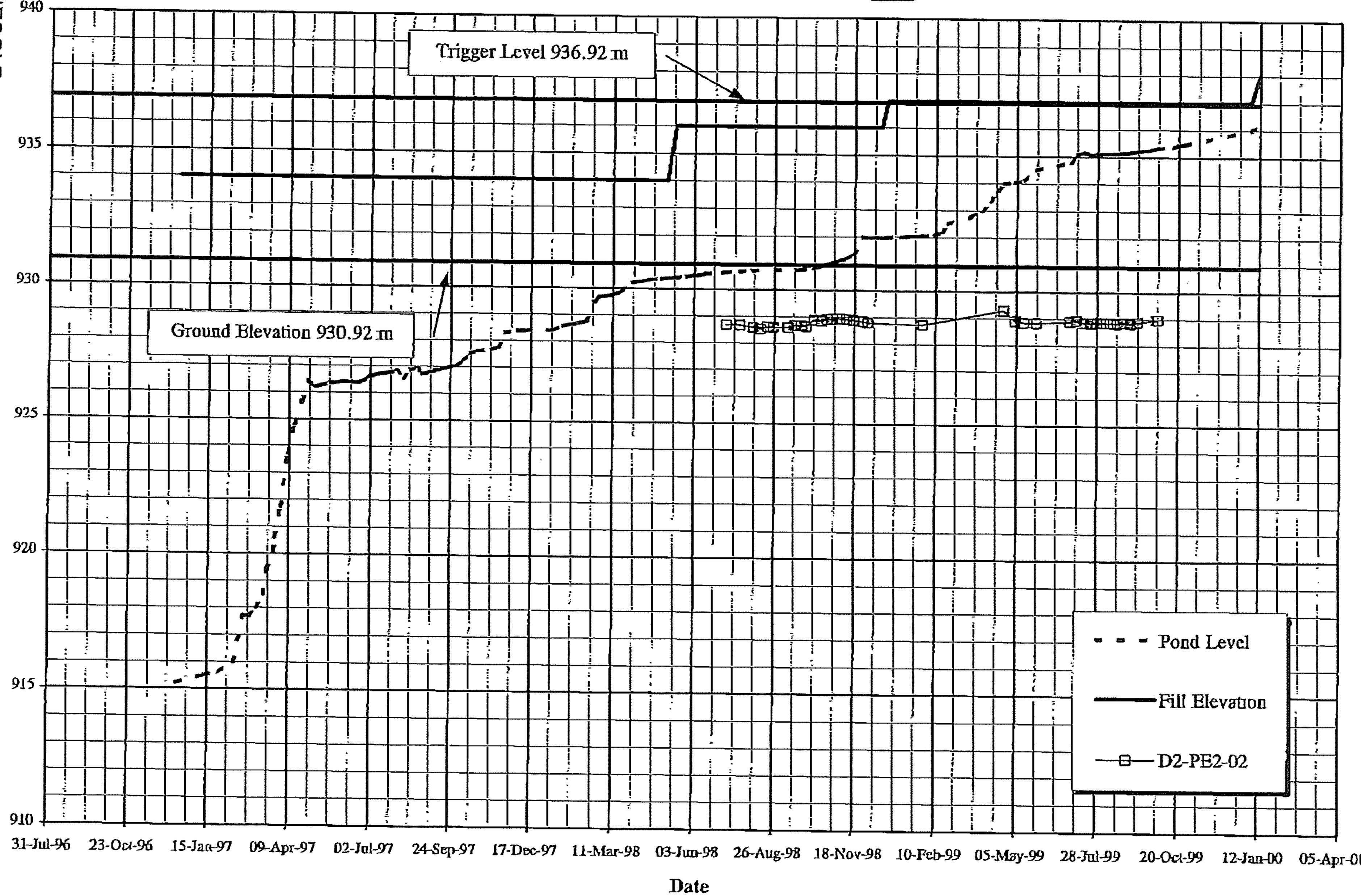
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS



KNIGHT PIESOLD
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FIGURE 10

MPP...-e.xls Fdn Piezos

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS

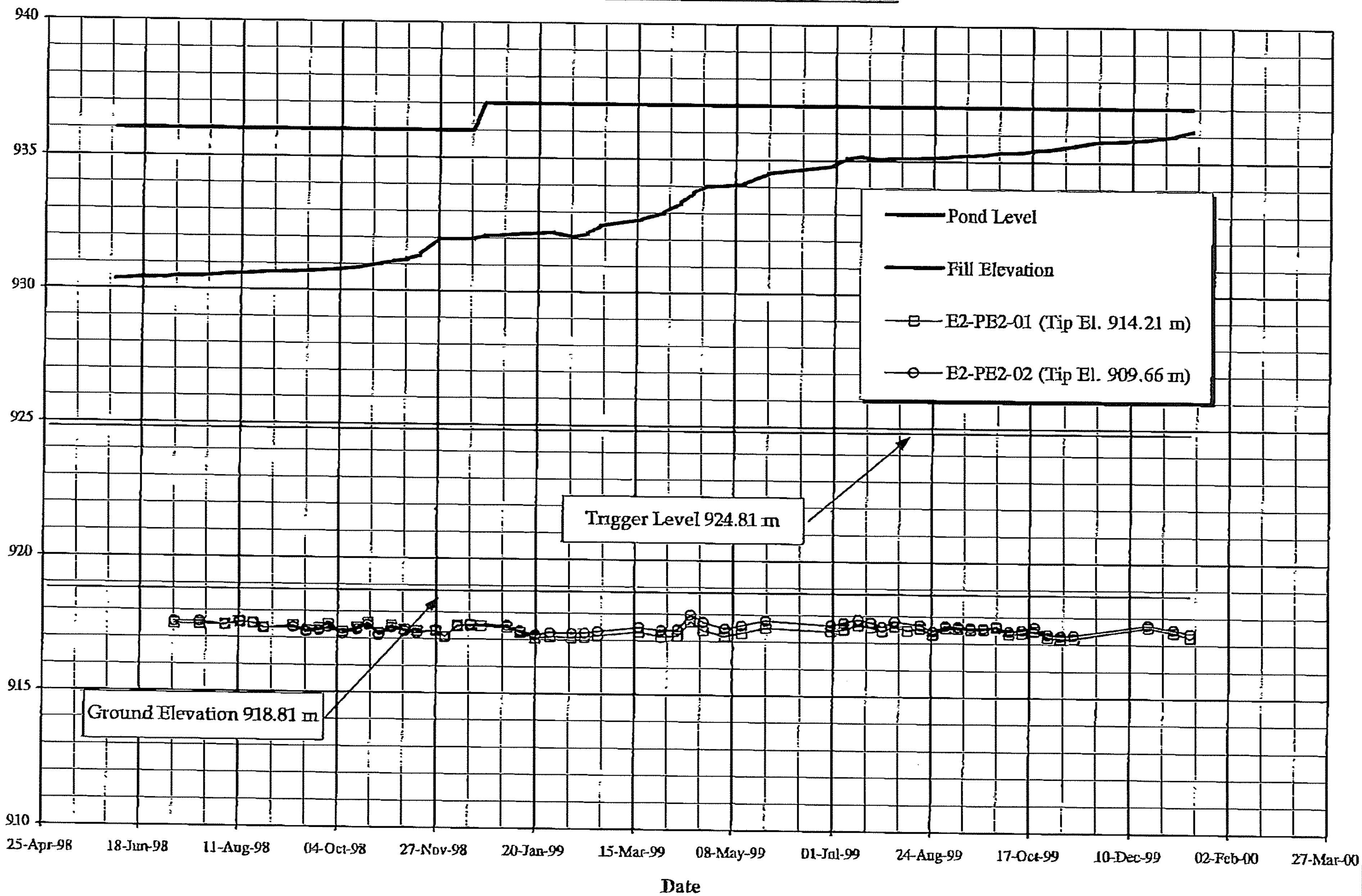

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FIGURE 11

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S CONTROL TEST SUMMARY SHEET

B:\ENG\DATA\Eqpdwr\Construction\Inspection\C-ZS-SUM (m)Summary Table

21-Jan-00

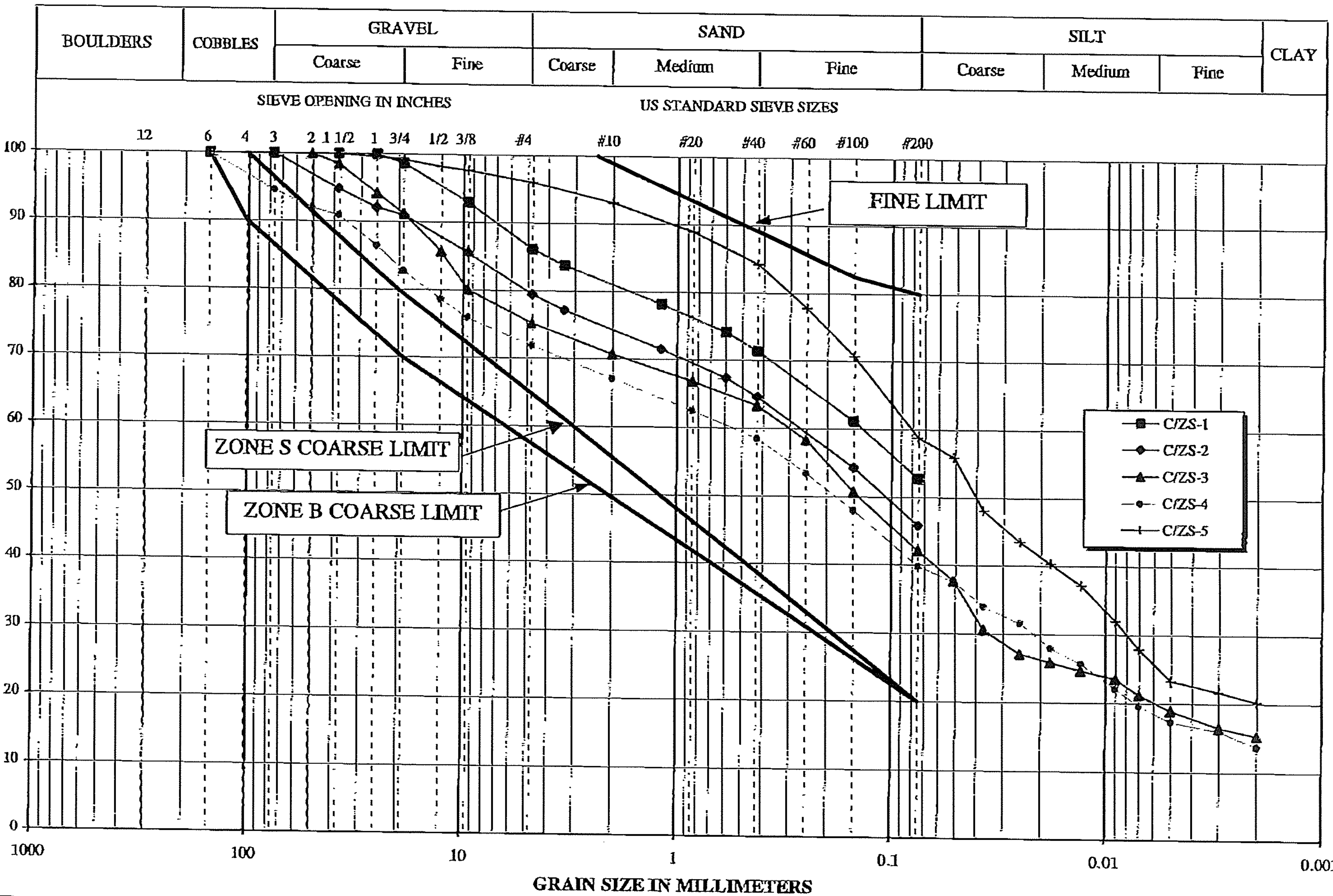
Date Sampled	Sample No.	Location	Elev. (m)	C1 Atterberg Limits PL %	LL %	PI %	C2 Lab m/c %	C3 (Particle Size Distribution) 152.4 / 6 / 6	76.2 / 3 / 3	50.8 / 2 / 2	38.1 / 1.5 / 1 1/2	25.4 / 1 / 1	19.05 / 0.750 / 3/4	12.7 / 0.500 / 1/2	9.525 / 0.375 / 3/8	4.75 / #4 / #4	3.353 / 0.132 / #6	2 / #10 / #10	1.191 / 0.047 / #16	0.85 / #20 / #20	0.594 / 0.023 / #30	0.425 / #40 / #40	0.25 / #60 / #60	0.15 / #100 / #100	0.075 / #200 / Clay	C4 Standard Proctor Max Dry Density kg/m³	Optimum m/c %	C6 Specific Gravity
09-Sep-99	C/ZS-1	Borrow Area 2, Exc. Face	-	18	26	8	-	100.0	100.0	100.0	100.0	100.0	98.7	-	93.0	86.1	83.8	-	78.2	-	74.1	71.4	-	61.1	52.8	2015	11.2	-
22-Sep-99	C/ZS-2	Borrow Area 2, Exc. Face	-	17	27	10	11.6	100.0	100.0	100.0	94.8	92.1	91.0	-	85.6	79.5	77.2	-	71.3	-	67.4	64.6	-	54.3	45.8	2042	10.6	-
29-Nov-99	C/ZS-3	Borrow Area 2, Exc. Face	-	15	24	10	12.1	100.0	100.0	100.0	98.5	94.2	91.2	88.7	80.1	75.2	-	70.7	-	66.8	-	63.3	58.3	50.7	42.1	2180	7.6	2.649
03-Dec-99	C/ZS-4	Borrow Area 2, Exc. Face	-	15	25	10	11.7	100.0	94.6	-	90.9	86.5	82.8	78.6	75.9	71.9	-	67.1	-	62.5	-	58.5	53.4	48.0	39.8	2200	7.4	2.674
17-Dec-99	C/ZS-5	Borrow Area 4, Exc. Face	-	15	25	10	15.7	100.0	100.0	100.0	100.0	99.6	99.2	98.2	97.7	96.0	-	93.1	-	88.9	-	84.3	77.8	70.7	58.8	1982	11.6	2.624
09-Jan-00	C/ZS-6	Borrow Area 2, Exc. Face	-	15	24	8	11.7	100.0	100.0	94.3	92.7	90.7	88.4	85.3	83.4	79.6	-	74.9		69.5		64.2	57.8	51.2	41.1	2105	8.0	2.651
			MEAN	16	25	9	12.6	100.0	99.1		96.1	93.8	91.9	87.0	85.9	81.4		76.5		71.9		67.7	61.8	56.0	46.7	2087	9.4	2.65
			MEDIAN	15	25	10	11.7	100.0	100.0		96.6	93.1	91.1	85.5	84.5	79.5		72.8		68.2		64.4	58.1	52.7	44.0	2074	9.3	2.65
			MAXIMUM	18	27	10	15.7	100.0	100.0		100.0	100.0	99.2	98.2	97.7	96.0		93.1		88.9		84.3	77.8	70.7	58.8	2200	11.6	2.67
			MINIMUM	15	24	8	11.6	100.0	94.6		90.9	86.5	82.8	78.6	75.9	71.9		67.1		62.5		58.5	53.4	48.0	39.8	1982	7.4	2.62

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

C1 Atterberg Limits (ASTM D4318)
C2 Moisture Content (ASTM D2216)
C3 Particle Size Distribution (ASTM D422)
C4 Laboratory Compaction (ASTM D698)
C6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S CONTROL SAMPLES - GRADATION CURVES



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S RECORD TEST SUMMARY SHEET

B:\ENG\DATA\Stephen\Geotechnical\[illegible]\R-ZS-SUM.xls]Summary Table

21-Jan-00

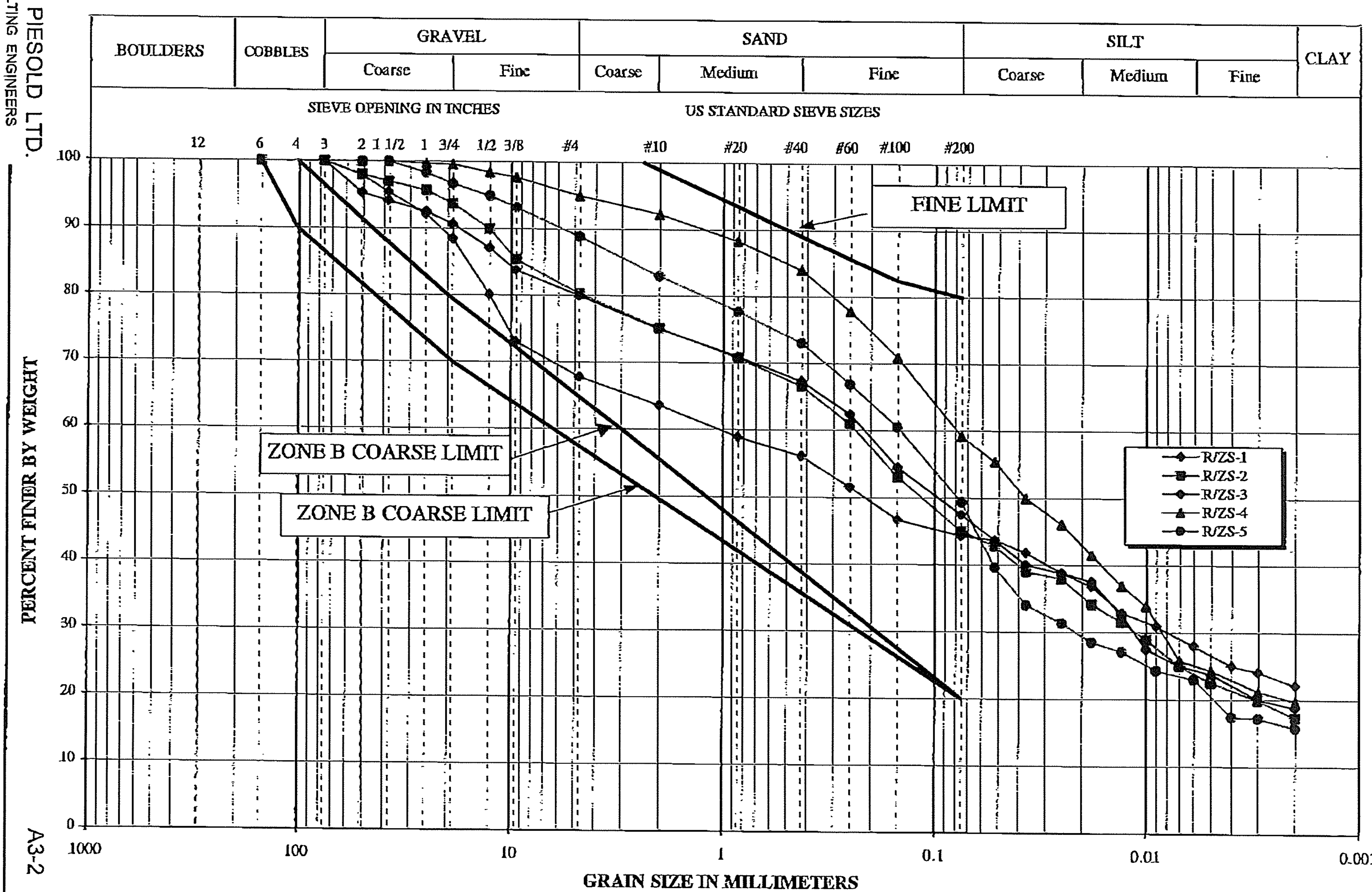
Date Sampled	Sample No.	Location	Elev. (m)	R1 Atterberg Limits PL	LL	PI	R2 Field w/c	R3 (Particle Size Distribution)																	R4 Standard Proctor Max Dry Density kg/m³	Optimum m/c %	R6 Specific Gravity	R7 Field Density Dry Density kg/m³	Compaction %
								152.4	76.2	50.8	38.1	25.4	19.05	12.7	9.525	4.75	2	0.85	0.425	0.25	0.15	0.075					
								6	3	2	1.5	1.000	0.750	0.500	0.375	#4	#10	#20	#40	#60	#100	#200					
				%	%	%	%	6	3	2	1 1/2	1	3/4	1/2	3/8	-#4	-#10	#20	#40	-#60	#100	Clay					
05-Oct-99	R-ZS-1	Zone S fill - lift #2, CH 30+13	-	18	29	11	11.1	100.0	100.0	97.9	95.4	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.7	44.3	2165	8.8	-	2111	97.5
01-Nov-99	R-ZS-2	Zone S fill - lift #4, CH 31+38	-	16	28	11	11.5	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	75.1	70.7	66.6	60.9	53.1	45.0	2110	8.4	2.701	2084	98.8
27-Nov-99	R-ZS-3	Zone B fill - lift #4, CH 29+79	-	16	27	12	13.1	100.0	100.0	95.3	94.1	92.5	90.7	87.1	83.8	80.0	75.0	70.9	67.3	62.4	54.5	47.5	2075	9.0	-	2047	98.7
17-Dec-99	R-ZS-4	Zone S fill - Lift #2, CH 39+31	916.9	15	24	9	13.0	100.0	100.0	100.0	99.7	99.6	98.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	59.2	55.4	2080	10.8	-	2029	100.0
09-Jan-00	R-ZS-5	Zone S fill - Lift #4, CH 40+80	918.3	17	26	9	12.1	100.0	100.0	100.0	100.0	98.3	96.7	94.9	93.2	88.9	83.0	77.7	73.0	65.9	60.5	49.4	2005	10.4	-	2094	104.4
			MEAN	16	27	10	12.2	100.0	100.0	98.2	97.2	95.6	93.6	90.0	86.1	81.9	77.0	72.4	68.2	62.5	54.8	48.3	2077	9.5	2.70		
			MEDIAN	16	27	11	12.1	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	75.1	70.9	67.3	62.4	54.5	47.5	2075	9.0	2.70		
			MAXIMUM	18	29	12	13.1	100.0	100.0	100.0	100.0	99.6	98.4	97.7	95.0	92.3	88.3	84.0	77.8	70.9	60.5	55.4	2165	10.8	2.70		
			MINIMUM	15	24	9	11.1	100.0	100.0	95.3	94.1	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.7	44.3	2005	8.4	2.70		

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S RECORD SAMPLES - GRADATION CURVES



Knight Piésold
CONSULTING

Knight Piésold, Mt. Polley Site
Fax: (250) 790-2268
Phone: (250) 790-2215

DATE:	January 14, 2000	FILE NO.:	11162/10.F01/F02/F05/F07
TIME:		REF NO.:	00-002
OPERATOR:		PAGES:	1 of 22
SENDER:	Ian Manning	APPROVED:	

TO:	Ministry of Energy and Mines	FAX :	250-952-0481
ATTN:	George Headley		
CC:	Ken Embree, Knight Piésold Ltd.		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report No. 9		

Dear Mr. Headley,

Please find attached Progress Report No. 9 for Stage 2C Construction at the Mount Polley Mine. This document is for the reporting period December 15 to 31, 1999.

Regards,

Jeremy Kinch

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 9
DECEMBER 16 TO 31, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ken Brouwer (KJB), Project Director (on site December 28, 1999)
- Ian Manning (IBM), Project Engineer

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were typically overcast with periods of fog and snow. Temperatures varied from –4° to +2° C. Construction activities were suspended due to snowfall on December 17, 18, and 19. Approximately 17 cm of snow accumulated during that time.

1.3 DESIGN AND CONTRACT DEVELOPMENT

There were no design modifications or contractual developments over the reporting period.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations for 1999 were terminated on October 19. Since that time, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. The bulk tailings discharge trench was relocated southwest of its original position during the previous reporting period to direct flows centrally within the tailings facility. The trench was extended further to the southwest on December 20.

Following Stage 2C construction, the tailings pipeline system will be re-instated along the embankments. Bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Preparation work was carried out within Borrow Areas #2 and #4. This included overburden stripping, snow removal, and wasting of all saturated and/or frozen till materials.
- Zone B & S surface preparation was carried out as required prior to placement of each lift. This included stripping of ice and snow from all surfaces prior to fill placement.

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- Both dayshift and nightshift Zone B & S fill placement was carried out over the reporting period. Dayshift construction activities took place on December 17, 21, 22 and 23. Nightshift work activities were carried out on December 16, 20, 22 and 23.

- Zones B & S fill placement activities were carried out along the Perimeter embankment from CH 37+00 to CH 40+95 and CH 42+00 and CH 43+90. The perimeter embankment crest was raised to approximate elevation 938.0 in these areas.

- A sump was excavated within the upstream CBL Zone B area at CH 40+00 on the Perimeter embankment, and was pumped to drain puddles from the Zone S/B interface.

- Till from Borrow Area #4 was utilized for Zone S and B embankment fill from December 1 to 22. Borrow Area #2 was used to source till material on December 22 and 23.

Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	9,240	40,255	82,120	49
B (till)	4,620	35,105	52,610	67
CBL (rockfill)	0	31,853	31,853	100
F (filter sand)	0	2,300	2,300	100
Stg 3 toe berm (rockfill)	0	3,507	-	-

Note: Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change.

Miscellaneous

- Grader work was carried out along TSF access roads.

- Zone FS filter sand material was spread onto TSF access road haul routes as needed to provide traction for trucks.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- Neil Giesbrecht and Brian Stanga (contract surveyors) provided inspection services during nightshift construction operations. Steve Syme provided additional inspection services during the reporting period. The MPMC inspector's reports and QA/QC records were provided to the KP Site Engineer for review and compilation.

- Nuclear densometer record testing was carried out on all placed and compacted Zone B and S materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Proctor Maximum Dry Density (SMDD), and 95% SMDD for Zone S core material. Densometer testing confirmed that the required compaction specifications were achieved.

- KP provided ongoing inspection of the following: stripping of unsuitable materials within Borrow Areas #2 and #4, excavated till materials for embankment construction, embankment surfaces prior to fill placement, lift thickness.

Miscellaneous

- Ken Brouwer (KP) was on site December 28, 1999. He met with Don Parsons and Don Ingram (MPMC) to review the progress of Stage 2C construction and to discuss the Stage 3 cycloning and embankment design.

- Progress Report No. 8 was written and issued for the reporting period December 1 to 15, 1999.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

The Perimeter Embankment instrumentation Planes D and F piezometers within the downstream cycloned sand trial berm were previously monitored by KP and MPMC personnel. Piezometric pressures have indicated that drained conditions have been achieved. Cycloned sand deposition was completed within the downstream trial area on 19-Oct-99.

MPMC representatives read all other active TSF piezometers on December 20 and January 3. The following observations are based on the summary data shown on Figures 1 to 10.

- Foundation Piezometers
  All foundation piezometers have generally remained static.

- Fill Piezometers
  Fill piezometers have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static and at very low head. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers

Plane C tailings piezometers stopped functioning at the end of May 1999. Plane A and B tailings piezometers registered a slight increase in pore pressure during Zone CS placement. The excess pressure has now dissipated and pore pressures mimic the pond level.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in Spring 2000, to continue monitoring of all foundation drain flows.

Three composite water samples were collected from the Main Embankment foundation drains in December. The high water level in the Seepage Collection Pond prevents sampling of individual drain flows.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

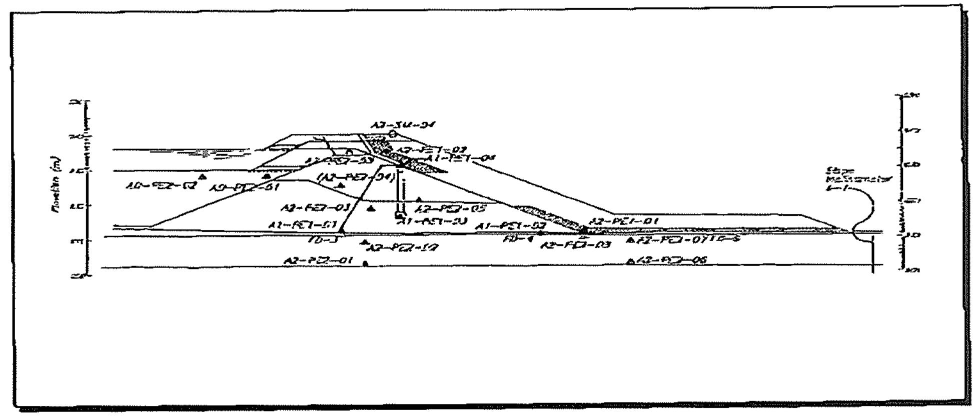
Lab test results were received from MTS Testing for Control samples C/ZS-3 and C/ZS-5, and Record sample R/ZS-4. These materials were found suitable for Zone S or B till construction materials, and the test summaries have been attached.

Submitted by,

Jeremy Kinch
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/Ken Embree, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



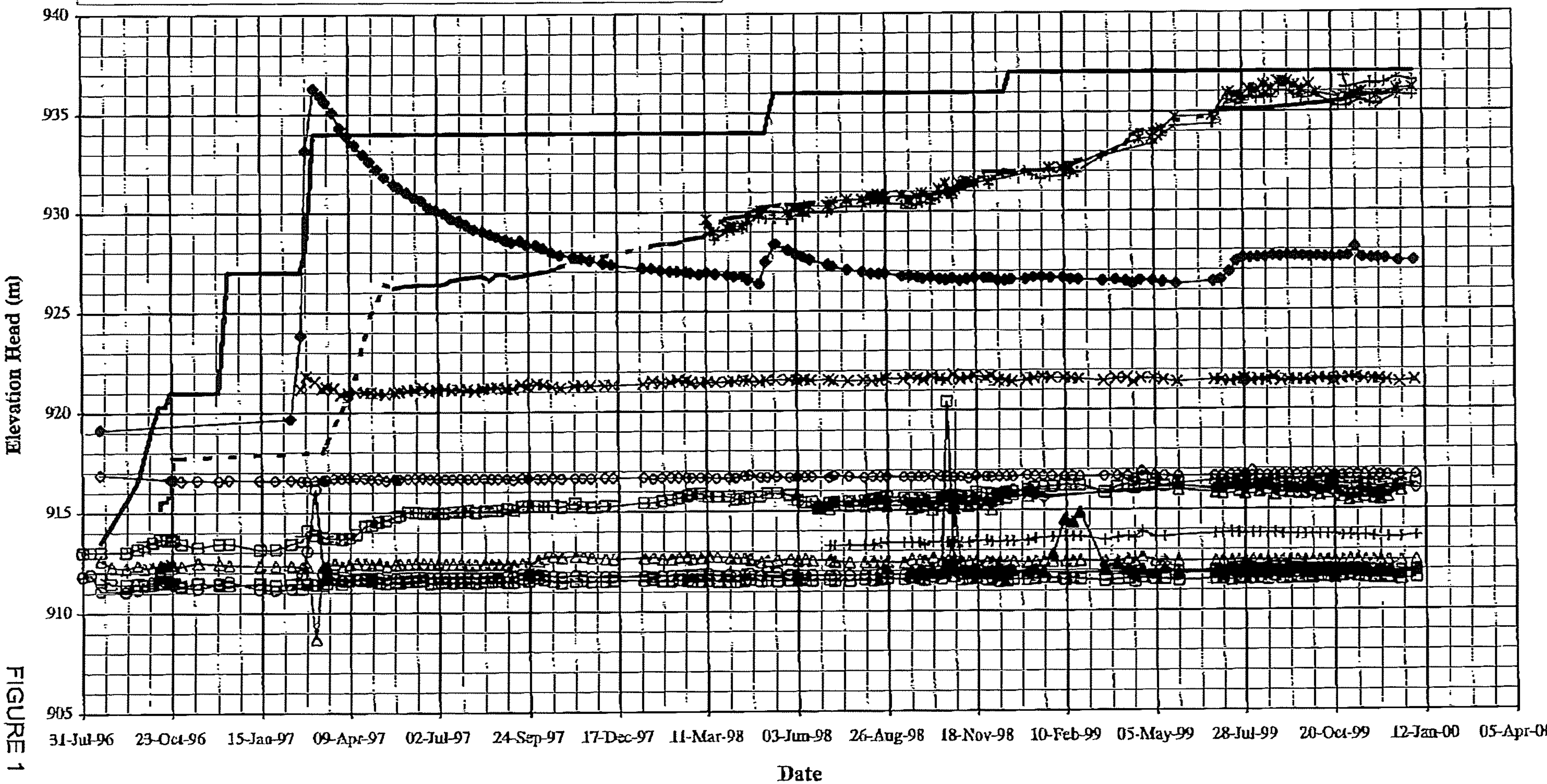


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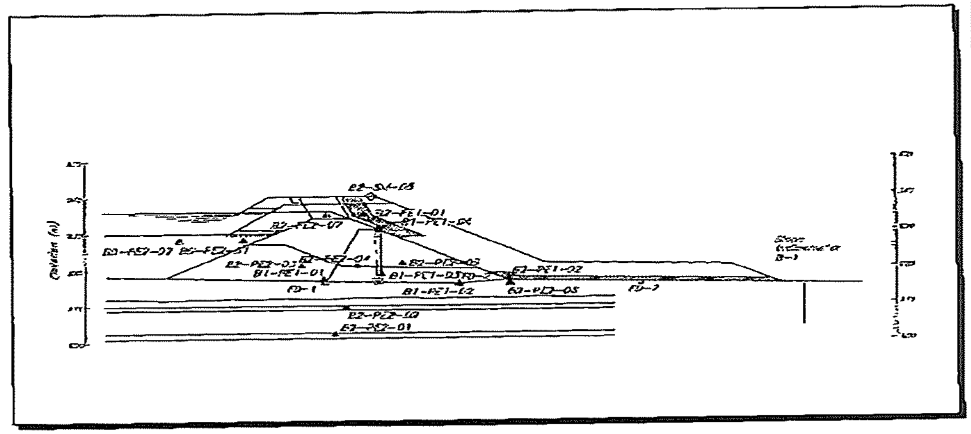
FIGURE 1

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



Pond Level	Fill Elevation	B0-PE2-01
BO-PE2-02	B1-PE2-01	B1-PE1-01
B1-PE1-03	B2-PE1-01	B2-PE2-01
B2-PE2-02	B2-PE2-03	B2-PE2-04
B2-PE2-05	B2-PE2-06	

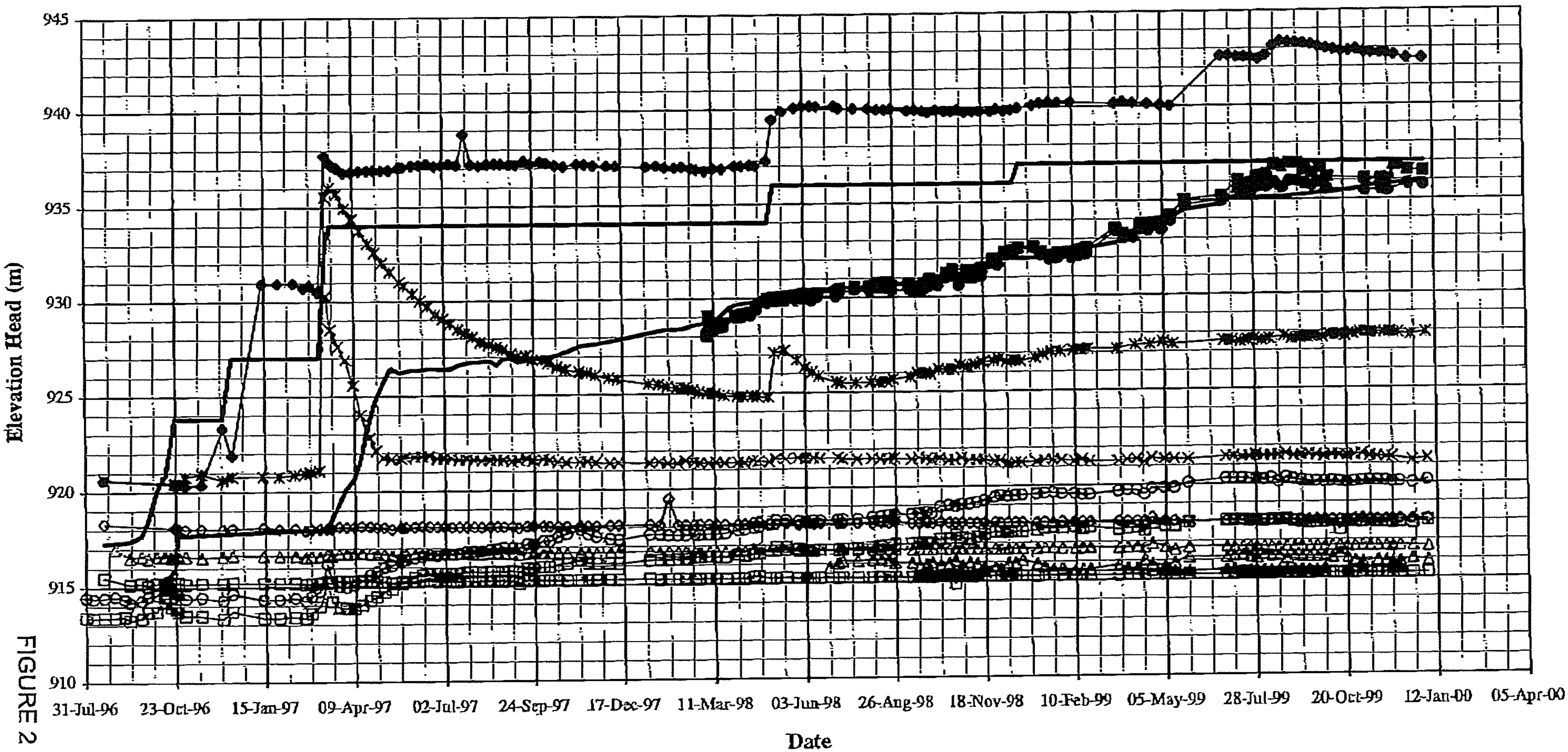


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FIGURE 2

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS

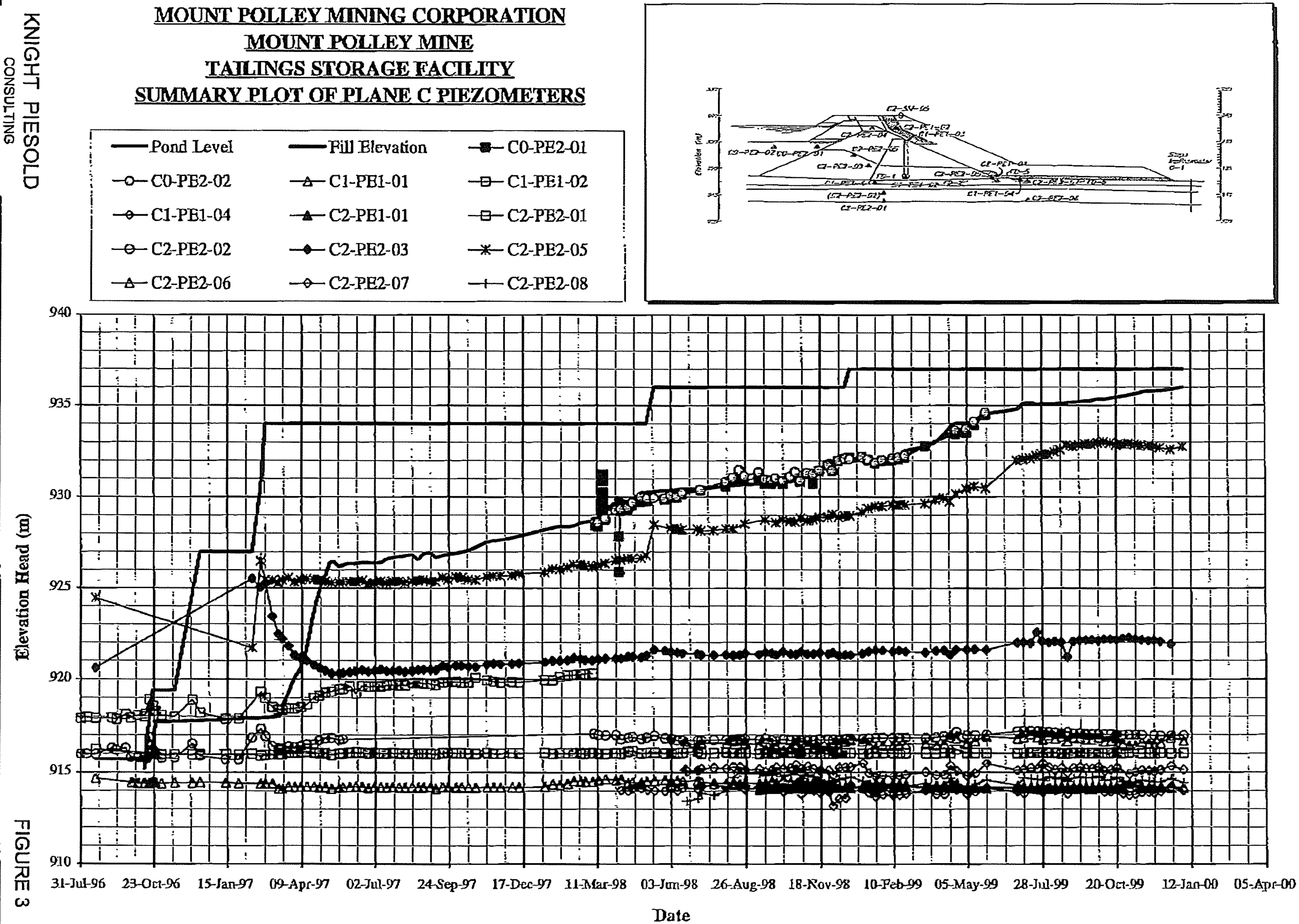
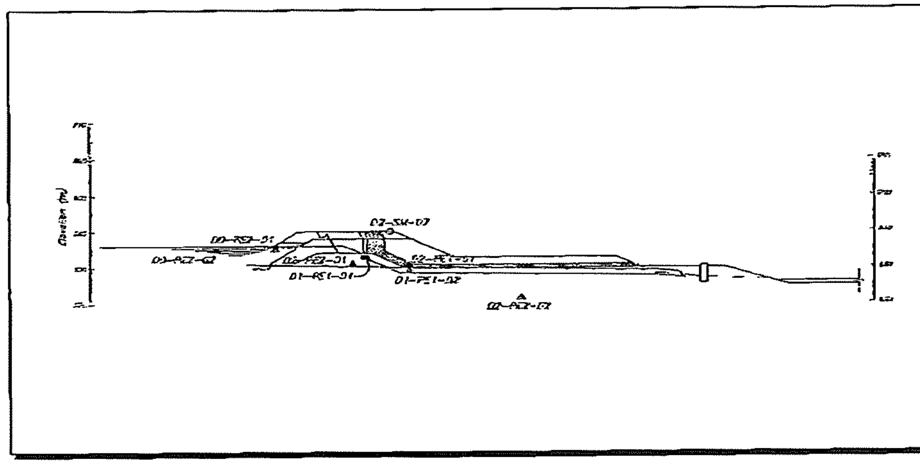


FIGURE 3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



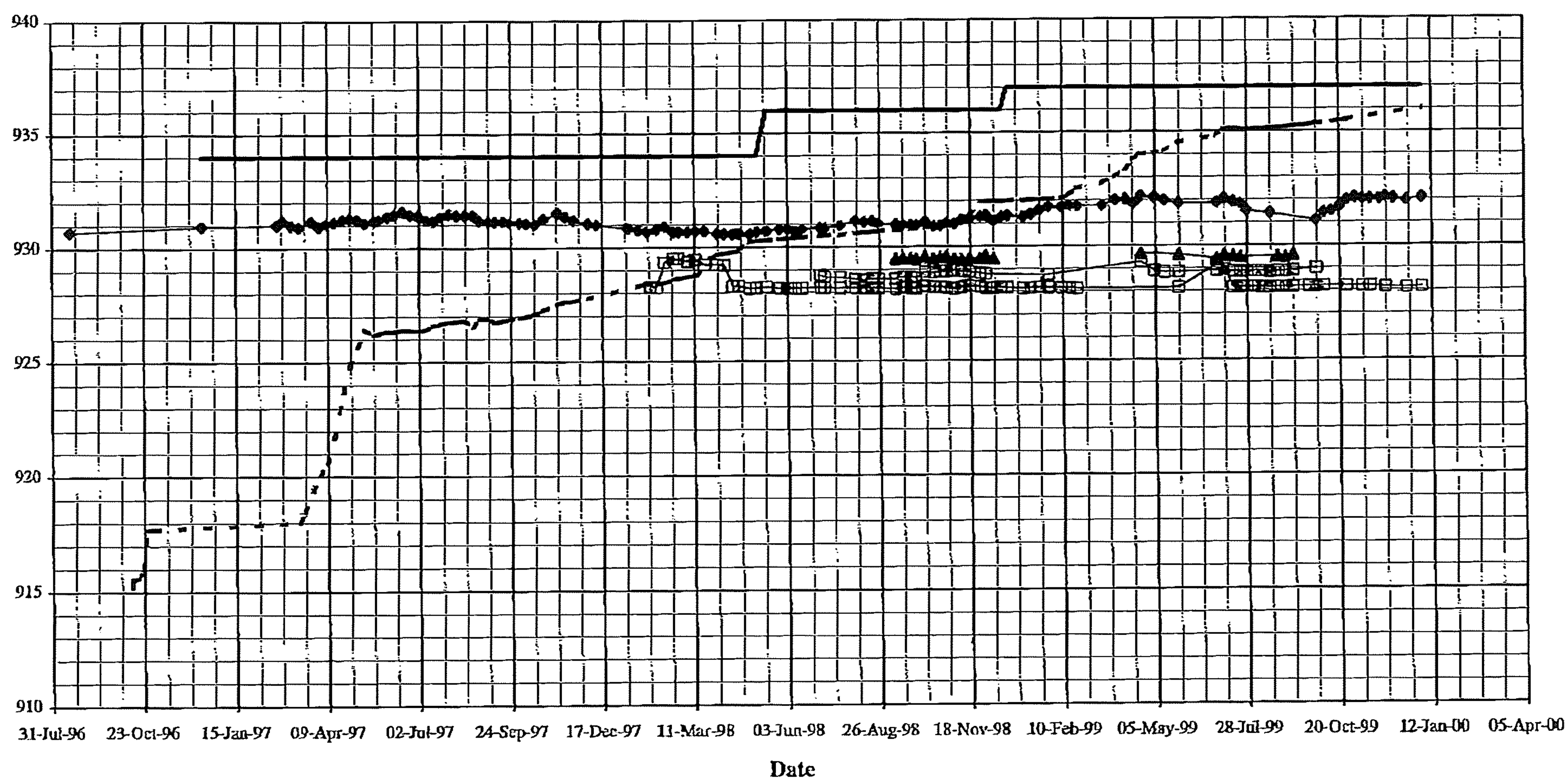


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FIGURE 4

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

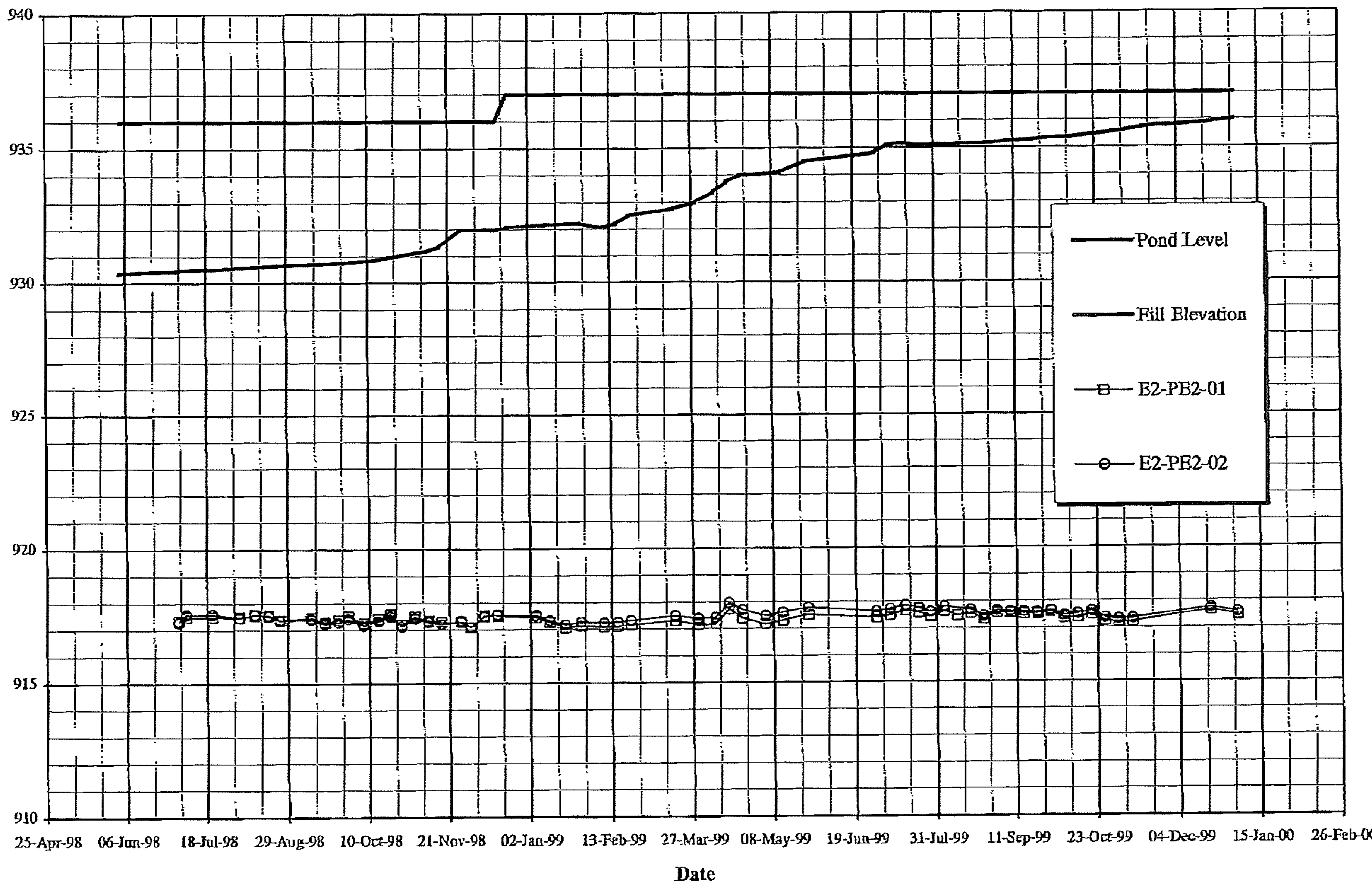

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FIGURE 5

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

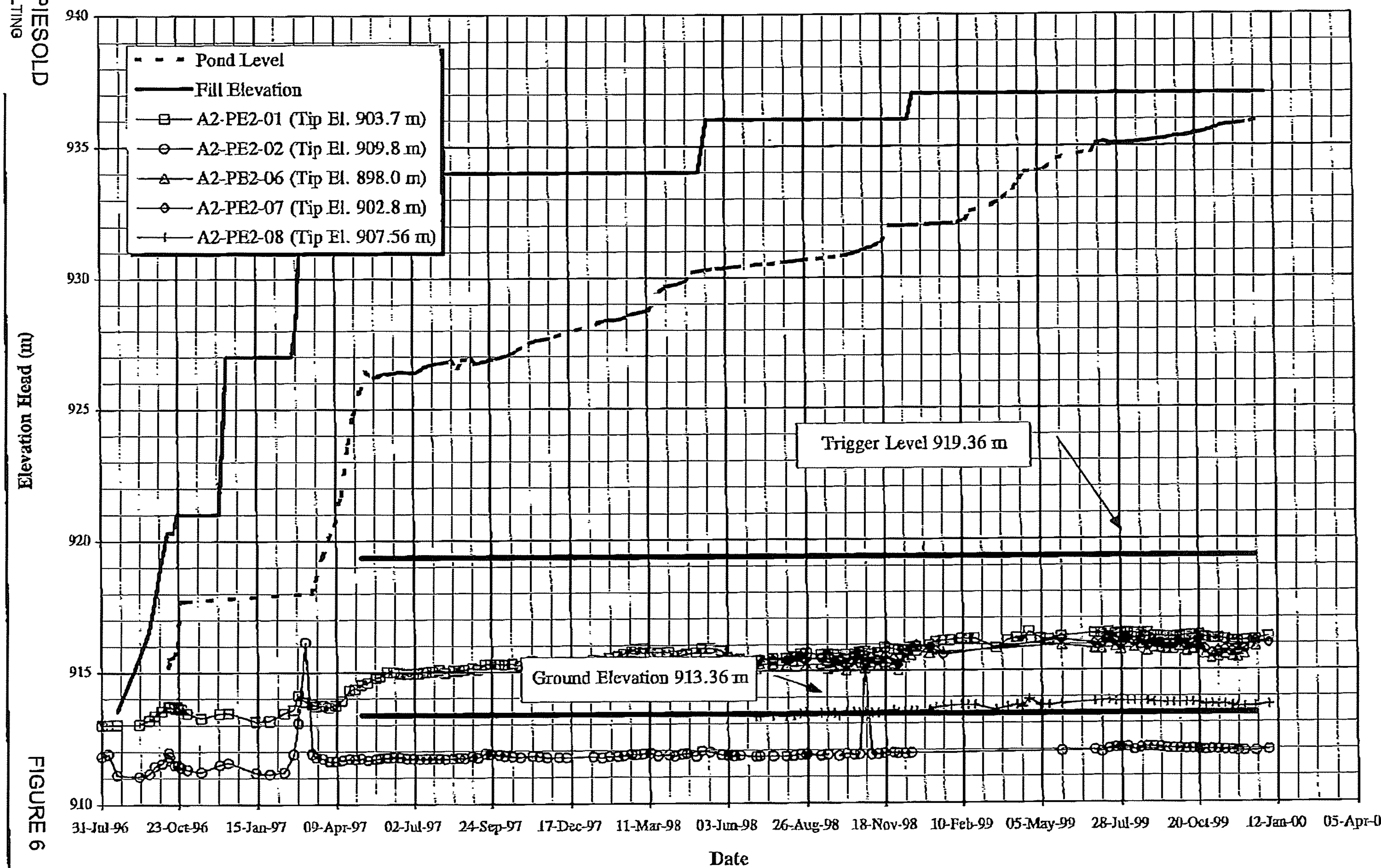

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FIGURE 6

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

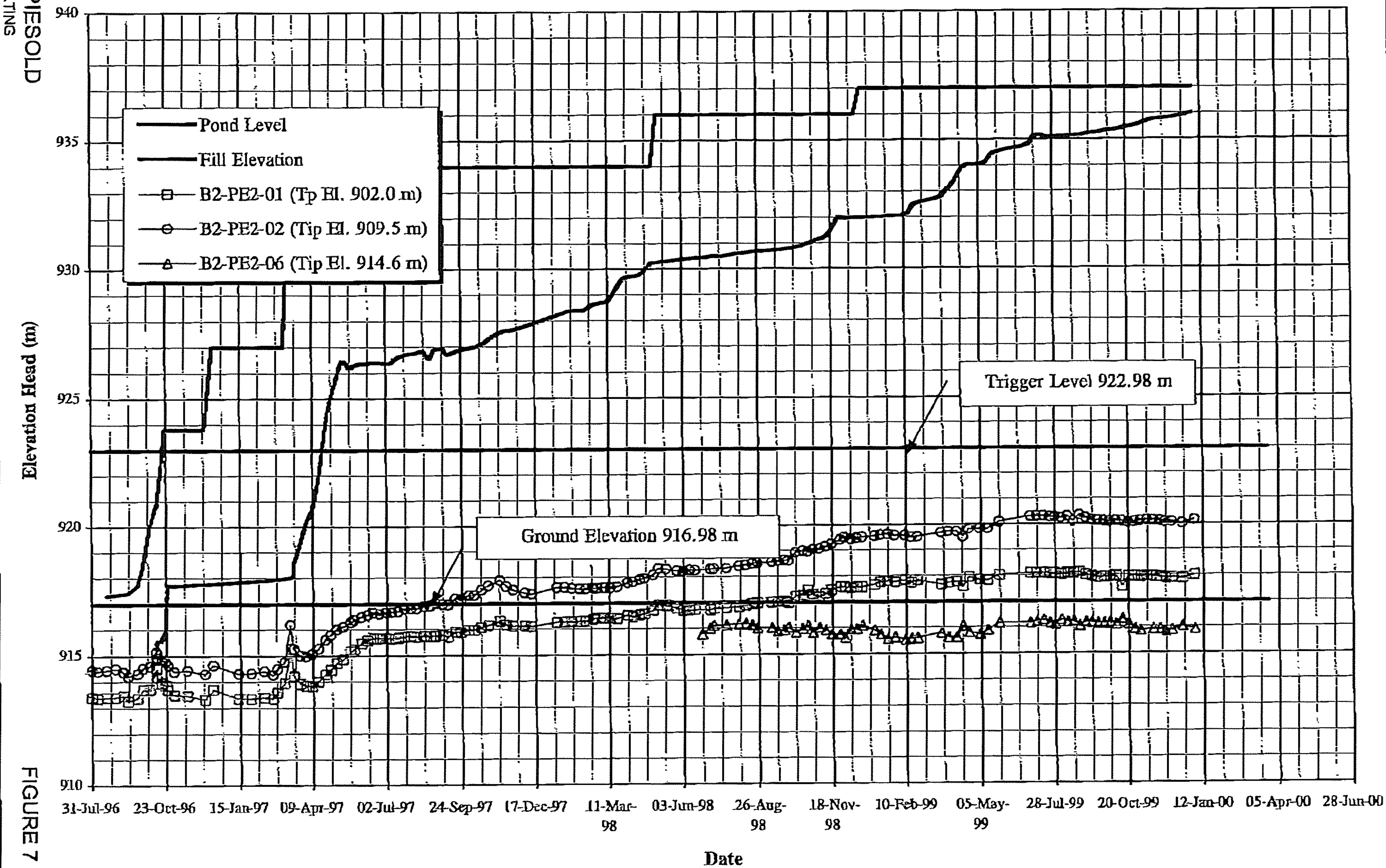

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FIGURE 7

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS

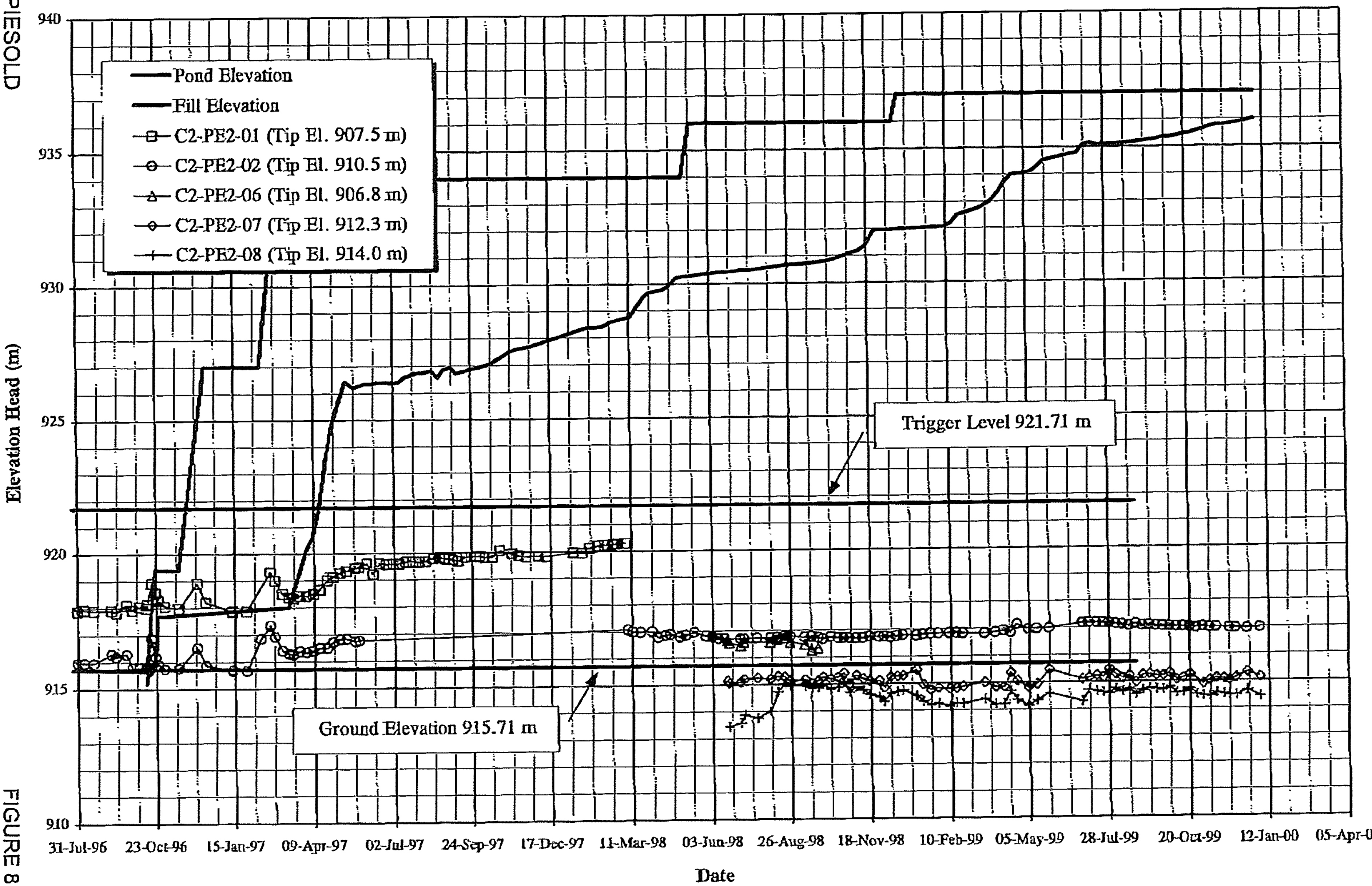

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FIGURE 8

MPPiez-d.xls fdn piezos

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

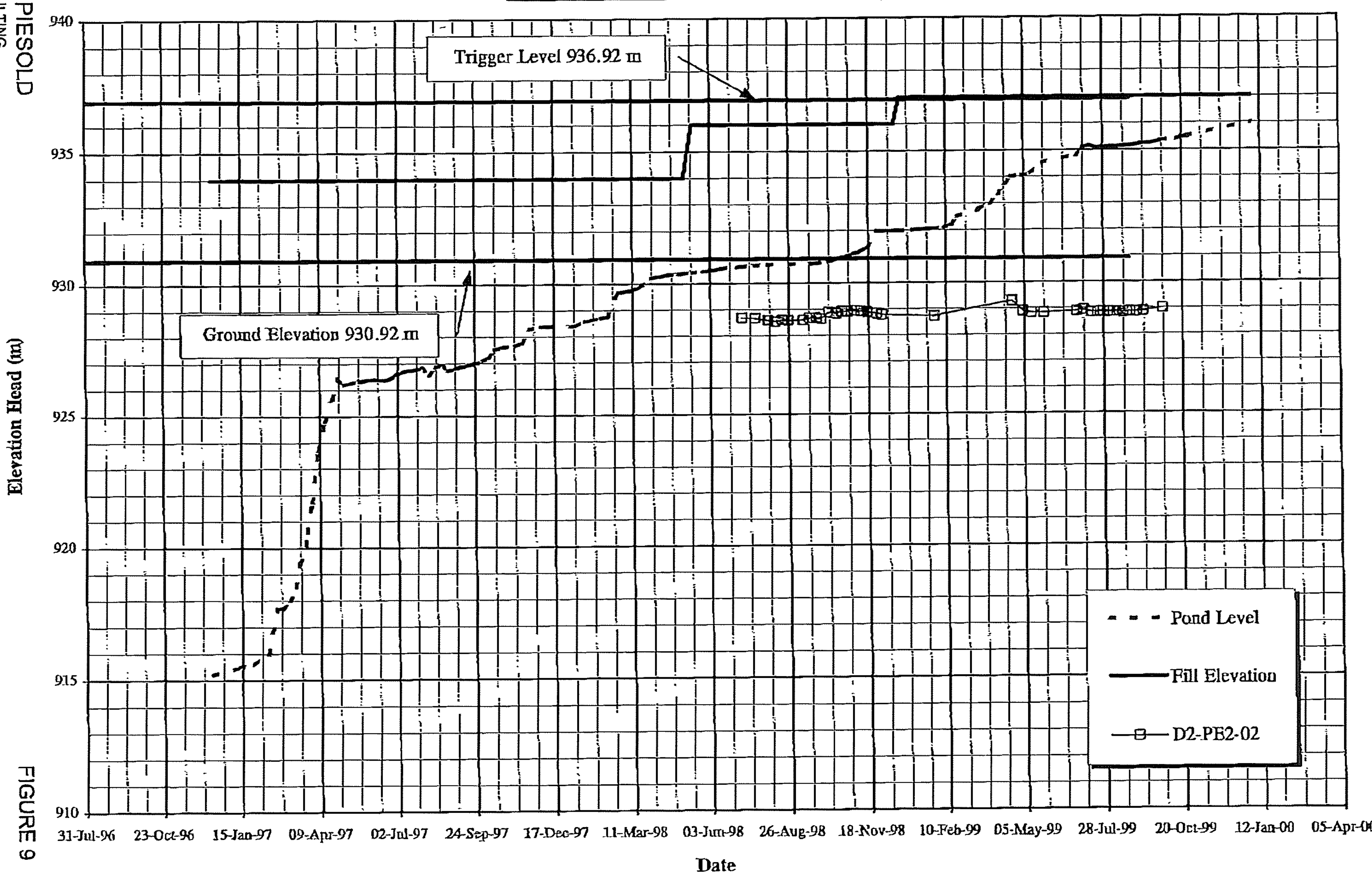

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FIGURE 9

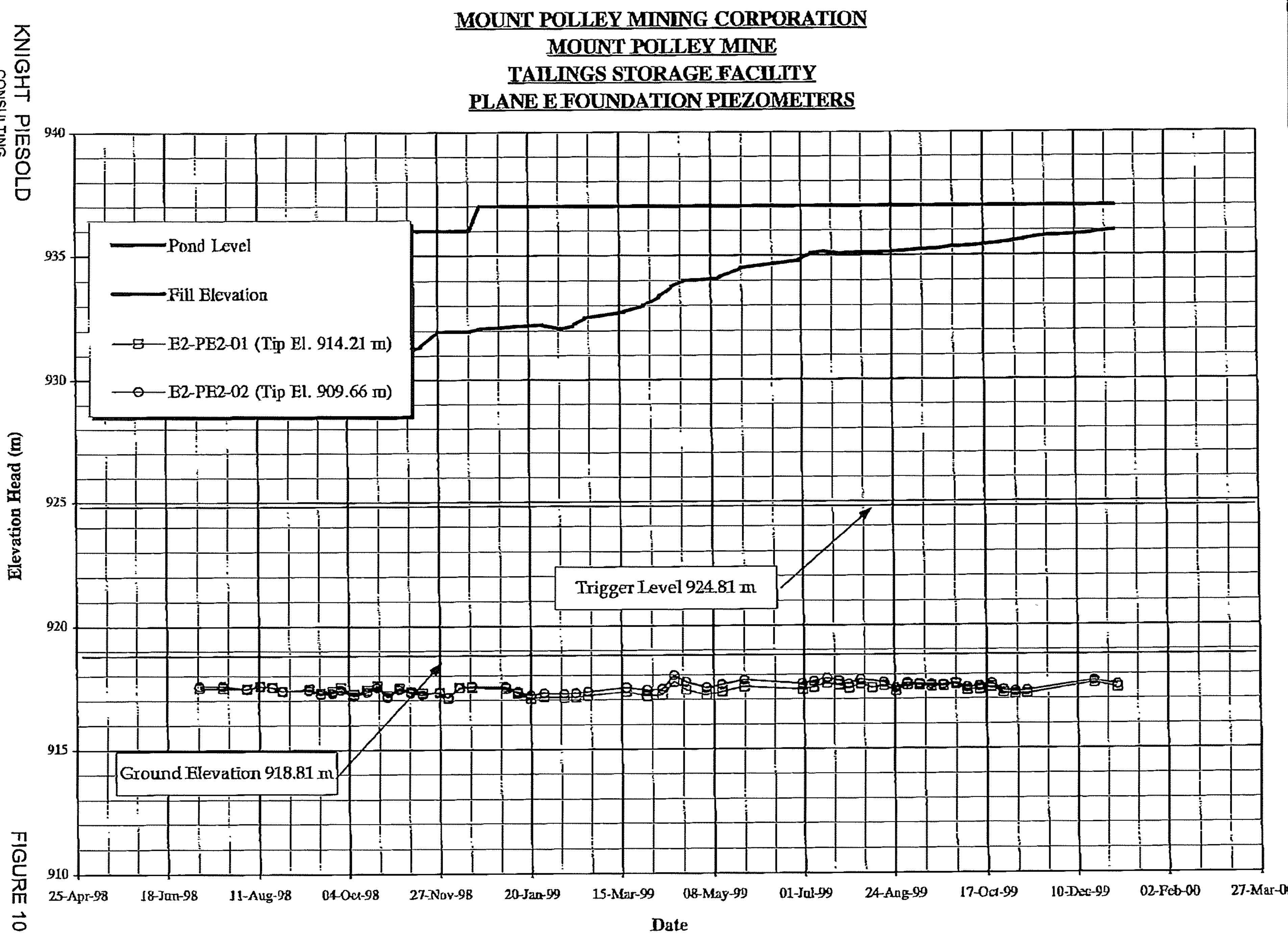

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FIGURE 10

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S CONTROL TEST SUMMARY SHEET

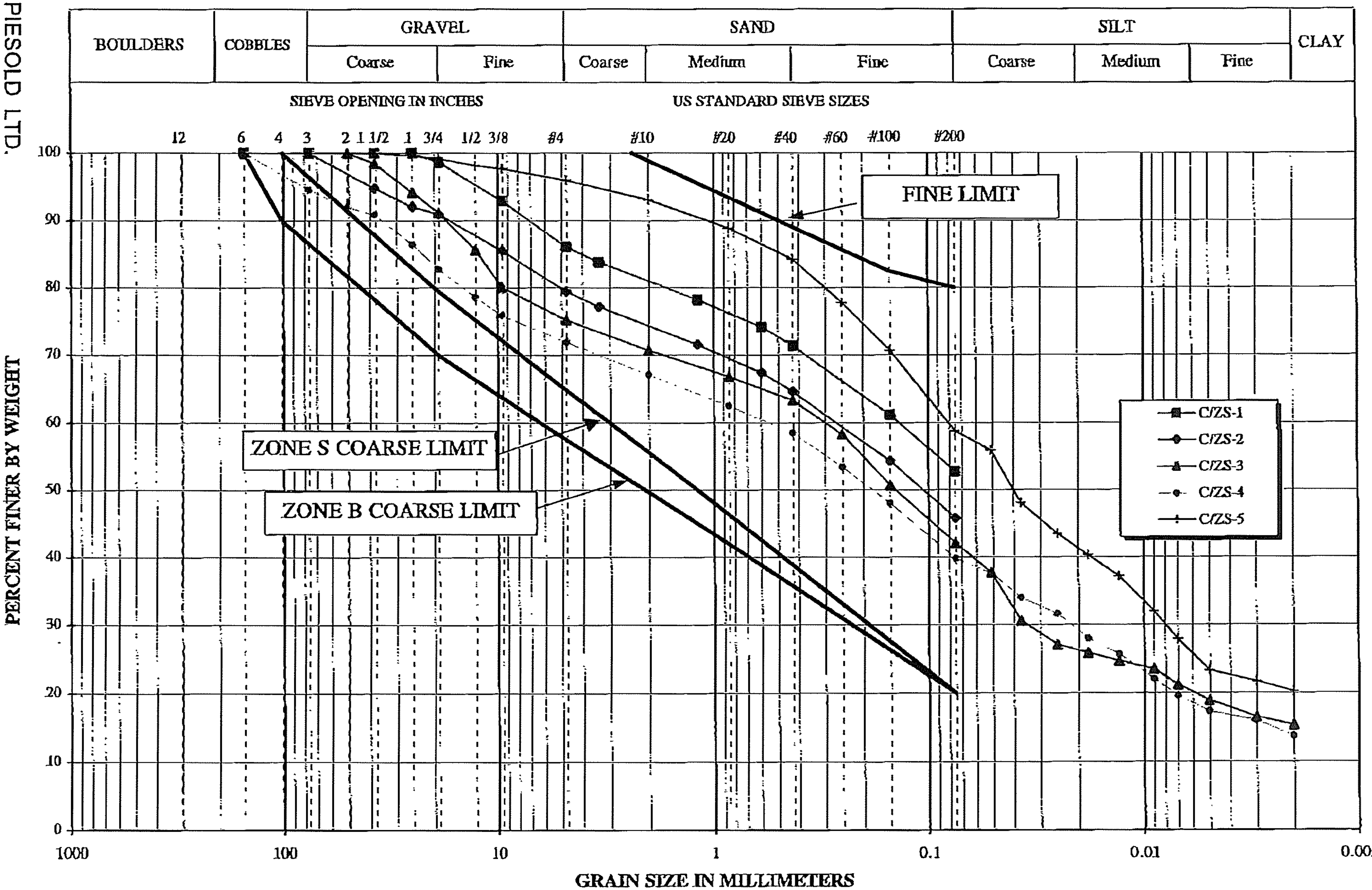
A:\C-25-S\78.xls\Summary Table 07-Jan-00

Date Sampled	Sample No.	Location	Elev. (m)	C1 Atterberg Limits PL %	C1 LL %	C1 PI %	C2 Lab m/c %	C3 (Particle Size Distribution) 152.4 / 6 / 6	76.2 / 3 / 3	50.8 / 2 / 2	38.1 / 1.5 / 1 1/2	25.4 / 1 / 1	19.05 / 0.750 / 3/4	12.7 / 0.500 / 1/2	9.525 / 0.375 / 3/8	4.75 / #4 / #4	3.353 / 0.132 / #6	2 / #10 / #10	1.191 / 0.047 / #16	0.85 / #20 / #20	0.594 / 0.023 / #30	0.425 / #40 / #40	0.25 / #60 / #60	0.15 / #100 / #100	0.075 / #200 / Clay	C4 Standard Proctor Max Dry Density kg/m³	C4 Optimum m/c %	C6 Specific Gravity
03-Sep-99	C/ZS-1	Borrow Area 2, Exc. Face	-	17.5	25.5	8.0	-	100.0	100.0	-	100.0	100.0	98.7	-	93.0	86.1	83.8	-	78.2	-	74.1	71.4	-	61.1	52.8	2015	11.2	-
22-Sep-99	C/ZS-2	Borrow Area 2, Exc. Face	-	16.8	26.8	10.0	11.6	100.0	100.0	-	94.8	92.1	91.0	-	85.6	79.5	77.2	-	71.5	-	67.4	64.6	-	54.3	45.8	2042	10.6	-
29-Nov-99	C/ZS-3	Borrow Area 2, Exc. Face	-	14.8	24.3	9.5	12.1	100.0	100.0	100.0	98.5	94.2	91.2	85.7	80.1	75.2	-	70.7	-	66.8	-	63.3	58.3	50.7	42.1	2180	7.6	2.649
08-Dec-99	C/ZS-4	Borrow Area 2, Exc. Face	-	25.0	14.8	10.2	11.7	100.0	94.6	-	90.9	86.5	82.8	78.6	75.9	71.9	-	67.1	-	62.5	-	58.5	53.4	48.0	39.8	2200	7.4	2.674
17-Dec-99	C/ZS-5	Borrow Area 4, Exc. Face	-					100.0	100.0	-	100.0	99.6	99.2	98.2	97.7	96.0	-	93.1	-	88.9	-	84.3	77.8	70.7	58.8	1982	11.6	2.624
		MEAN		18.5	22.9	9.4	11.8	100.0	98.9		96.8	94.5	92.6	87.5	86.4	81.7	80.5	77.0	74.8	72.7	70.8	68.4	63.2	57.0	47.9	2084	9.7	2.65
		MEDIAN		17.2	24.9	9.8	11.7	100.0	100.0		98.5	94.2	91.2	85.7	85.6	79.5	80.5	70.7	74.8	66.8	70.8	64.6	58.3	54.3	45.8	2042	10.6	2.65
		MAXIMUM		25.0	26.8	10.2	12.1	100.0	100.0		100.0	100.0	99.2	98.2	97.7	96.0	83.8	93.1	78.2	88.9	74.1	84.3	77.8	70.7	58.8	2200	11.6	2.67
		MINIMUM		14.8	14.8	8.0	11.6	100.0	94.6		90.9	86.5	82.8	78.6	75.9	71.9	77.2	67.1	71.5	62.5	67.4	58.3	53.4	48.0	39.8	1982	7.4	2.62

Notes:
1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

C1 Atterberg Limits (ASTM D4318)
C2 Moisture Content (ASTM D2216)
C3 Particle Size Distribution (ASTM D422)
C4 Laboratory Compaction (ASTM D698)
C6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S CONTROL SAMPLES - GRADATION CURVES



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S RECORD TEST SUMMARY SHEET

MCR-ZS-SUM.xls]Summary Table — 14-Jan-00

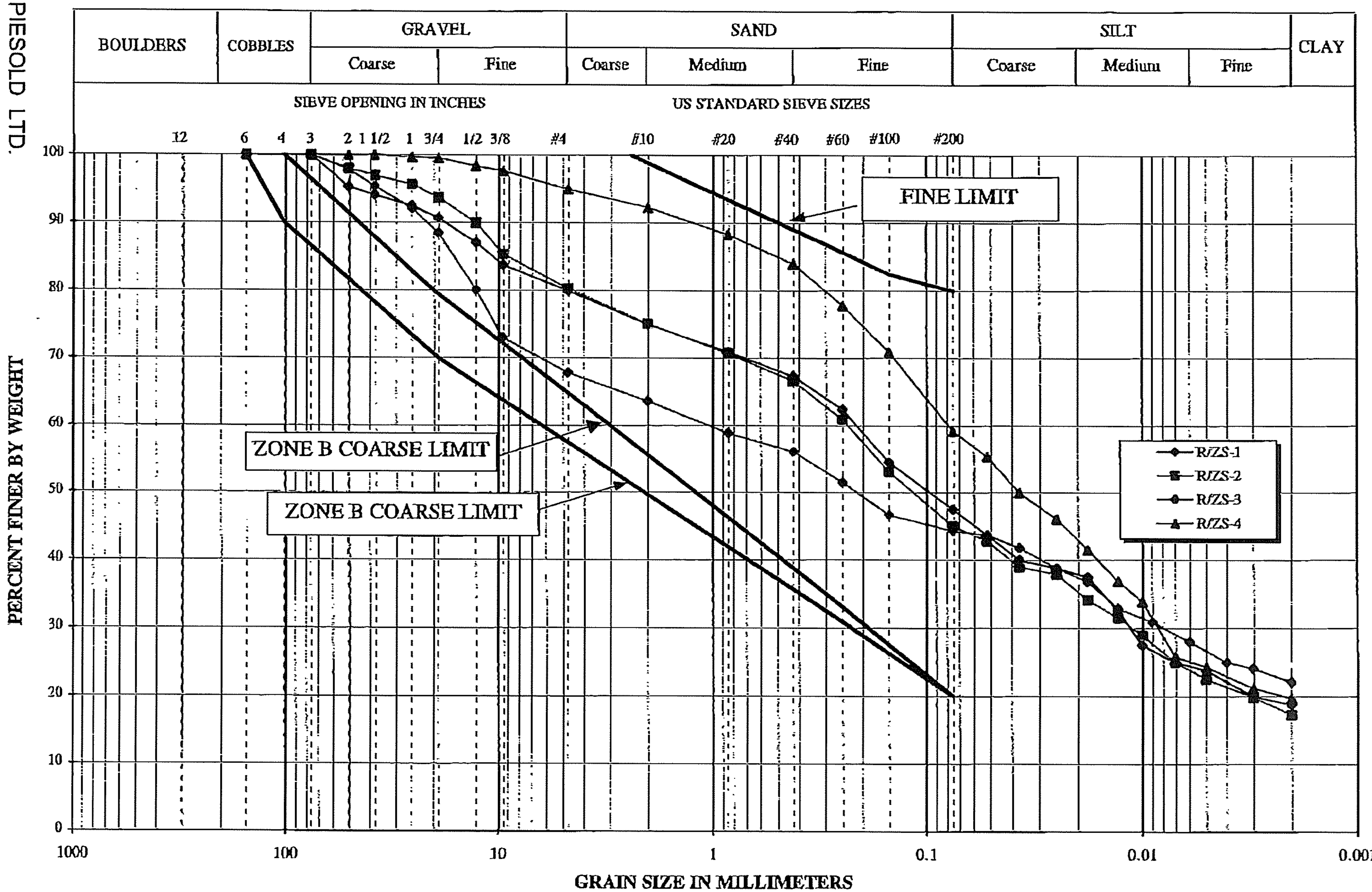
				R1			R2	R3 (Particle Size Distribution)															R4		R6	R7	
Date Sampled	Sample No.	Location	Elev. (m)	Atterberg Limits			Field m/c	152.4	76.2	50.8	38.1	25.4	19.05	12.7	9.525	4.75	2	0.85	0.425	0.25	0.15	0.075	Standard Proctor		Specific Gravity	Field Density	
				PL	LL	PI		6	3	2	1.5	1.000	0.750	0.500	0.375	#4	#10	#20	#40	#60	#100	#200	Max Dry Density kg/m³	Optimum m/c %		Dry Density kg/m³	Compaction %
				%	%	%	%	6	3	2	1 1/2	1	3/4	1/2	3/8	#4	#10	#20	#40	#60	#100	Clay					
05-Dec-99	R-ZS-1	Zone S fill - Lift #2, CH 30+13	-	17.9	29.1	11.2	11.1	100.0	100.0	97.9	95.4	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.7	44.3	2165	8.8	-	2111	97.5
01-Nov-99	R-ZS-2	Zone S fill - Lift #4, CH 31+38	-	16.4	27.7	11.3	11.3	100.0	100.0	98.0	97.0	95.7	90.7	90.0	85.4	80.3	75.1	70.7	66.6	60.9	53.1	45.0	2110	8.4	2.701	2354	55.8
27-Nov-99	R-ZS-3	Zone B fill - lift #4, CH 29+79	-	15.7	27.4	11.7	13.1	100.0	100.0	95.3	94.1	92.5	90.7	87.1	83.8	80.0	73.0	70.9	67.3	62.4	54.5	47.5	2075	9.0	-	2047	98.7
17-Dec-99	R-ZS-4	Zone S fill - Lift 2, CH 39+31	936.9	24.2	15.3	8.9	13.0	100.0	100.0	100.0	99.7	99.6	98.4	97.7	93.0	92.3	88.3	84.0	77.8	70.9	59.2	55.4	2000	10.8	-	2009	100.0
			MEAN	18.6	24.9	10.8	12.2	100.0	100.0	97.8	96.6	95.0	92.8	88.7	84.3	80.1	75.5	71.1	67.0	61.4	53.4	48.1	2095	9.3	2.70		
			MEDIAN	17.2	27.6	11.3	12.3	100.0	100.0	98.0	96.2	94.1	92.2	88.6	84.6	80.2	75.1	70.8	67.0	61.7	53.8	46.3	2093	8.9	2.70		
			MAXIMUM	24.2	29.1	11.7	13.1	100.0	100.0	100.0	99.7	99.6	98.4	97.7	93.0	92.3	88.3	84.0	77.8	70.9	59.2	55.4	2165	10.8	2.70		
			MINIMUM	15.7	15.3	8.9	11.1	100.0	100.0	95.3	94.1	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	46.7	44.3	2080	8.4	2.70		

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S RECORD SAMPLES - GRADATION CURVES



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CONSULTING ENGINEERS

Knight Piésold
CONSULTING

Knight Piésold, Mt. Polley Site
Fax: (250) 790-2268
Phone: (250) 790-2215

DATE:	Dec. 21, 1999	**FILE NO.:**	11162/10.F01/F02/F05/F07
TIME:		**REF NO.:**	99-044
OPERATOR:		**PAGES:**	1 of 24
SENDER:	Ian Manning	**APPROVED:**	

TO:	KP Vancouver	**FAX :**	604-685-0147
ATTN:	John Wilkinson		
CC:	George Headley, Ministry of Energy and Mines		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report #8		

Dear John,

Please find attached Progress Report No. 8 for Stage 2C Construction at the Mount Polley Mine. This document is for the reporting period December 1 to 15, 1999.

Best Regards,

Ian Manning
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 8
DECEMBER 1 TO 15, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ian Manning (IBM), Project Engineer

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were mixed, with temperatures typically ranging from 0° to –15°C. Construction activities were suspended due to snowfall on December 1, 2, 3, 6, 10, 11, 12, and 15.

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1.3 DESIGN AND CONTRACT DEVELOPMENT

There were no design modifications or contractual developments over the reporting period.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations for 1999 were terminated on October 19. Since that time, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. Over the reporting period, the bulk tailings discharge trench was relocated southwest of its original position, to direct flows centrally within the tailings facility.

Following Stage 2C construction, a tailings pipeline system will be re-instated along the embankments. Bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Preparation work was carried out within Borrow Areas #2 and #4. This included overburden stripping, snow removal, and wasting of all saturated and/or frozen till materials.
- Zone B & S surface preparation was carried out as required prior to placement of each lift. This included stripping of ice and snow from all surfaces prior to fill placement.
- As part of the crest El. 941m design change, additional upstream Zone B fill placement was required from CH 26+80 to CH 32+00. During the reporting period, foundation preparation and

wasting of loose u/s face material was completed along the upstream Perimeter embankment from CH 28+00 to CH 32+00. Prior to fill placement, a 1-meter thick Coarse Bearing Layer was placed over saturated foundation from CH 30+95 to CH 32+00. Zone B till was then placed to the existing Perimeter embankment crest from CH 27+70 to CH 32+00.

- During foundation preparation activities, the buried solid CPT u/s toe drain was intercepted and damaged. This section of pipe was excavated out and replaced, and the trench was backfilled with till material and compacted.

- Foundation preparation was carried out at the Perimeter embankment left abutment, within the Zone S core footprint from CH 44+18 to CH 44+50.

- Both dayshift and nightshift Zone B & S fill placement was carried out over the reporting period. Dayshift construction activities took place on December 1, 7, 8, 9, 10, and 13. Nightshift work activities were carried out on December 7, 8, 9, and 14.

- Over the reporting period, Zones B & S fill placement activities were carried out along the Perimeter embankment from CH 34+75 to CH 38+50 (work on lifts #1 to 4). In addition, Zone S fill placement was carried out at the Perimeter embankment left end from CH 43+15 to CH 44+50 (to approx. El. 938m).

- During the reporting period, sumps were excavated within the upstream CBL Zone B area at various locations along the Perimeter embankment, and were pumped to drain puddles from the Zone S/B interface.

- During till placement, Borrow Area #2 was utilized from December 1 to 10. Borrow Area #4 was used to source till material after December 13.

- Dozer work was carried out along the Main embankment, pushing upstream cycloned sand to the u/s Zone S core contact. Surface snow was removed from the cycloned sand, to prevent it from becoming trapped within the u/s Zone B area.

- Along the left end of the Perimeter embankment, work was carried out to pull upstream cycloned sand for utilization within the u/s Zone B fill area. Also over the reporting period, dozer work was carried out to spread upstream cycloned sand piles within the Perimeter embankment. Zone B areas.

Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	11,012	31,015	82,120	38
B (till)	5,506	30,485	52,610	58
CBL (rockfill)	673	31,853	31,853	100
F (filter sand)	0	2,300	2,300	100
Stg 3 toe berm (rockfill)	0	3,507	-	-

Note: Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change.

Miscellaneous

- Grader work was carried out along TSF access roads.

- Over the reporting period, Zone FS filter sand material was spread onto TSF access road haul routes, to provide traction for trucks.

- During the reporting period, a culvert was removed from the Perimeter embankment left abutment area.

- Along the Main embankment right abutment, an access road was dozed adjacent to the u/s drainage ditch. This road will be used to facilitate equipment access during backfilling of the ditch with till basin liner material.

- During the reporting period, MPMC personnel relocated concrete blocks and sections of pipe from original laydown area upstream of the Perimeter embankment right abutment to a new area downstream of the Perimeter embankment.

- Over the reporting period, cycloned sand upstream of the Perimeter embankment was excavated and used for d/s access ramp construction.

- Neil Giesbrecht (contract surveyor) carried out a survey of Borrow Area #2, and sent the data to KP Vancouver. Plan and section drawings were updated to present the current status of the Borrow Area, and were sent back to IM on-site.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- Over the reporting period, MPMC had Neil Giesbrecht (contract surveyor) provide inspection services during nightshift construction operations. Results of the MPMC inspector reports along with QA/QC records were provided to the KP Site Engineer for review and compilation.

- Nuclear densometer record testing was carried out on all placed and compacted Zone B and S materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Maximum Dry Density (SMDD), and 95% SMDD for Zone S core material. Densometer testing confirmed that the required compaction specifications were achieved.

- During construction, KP provided ongoing inspection of the following: stripping of unsuitable materials within Borrow Areas #2 and #4, excavated till materials for embankment construction, embankment surfaces prior to fill placement, lift thickness.

- IM inspected and approved u/s Perimeter embankment foundation preparation from CH 28+00 to CH 32+00. IM also approved foundation preparation at the Perimeter embankment left abutment, within the Zone S footprint from CH 44+18 to CH 44+50.

Miscellaneous

- IM inspected the Main embankment right abutment u/s drainage ditch, and the access road constructed alongside the ditch.

- During the reporting period, IM faxed KP Van re: Stage 2C construction status.

- Progress Report No. 7 was written and issued for the reporting period November 16 to 30, 1999.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

- IM reviewed an invoice received by MPMC by MTS Testing for lab testing services to November 30.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

The Perimeter Embankment instrumentation Planes D and F piezometers within the downstream cycloned sand trial berm were previously monitored by KP and MPMC personnel. Piezometric pressures have indicated that drained conditions have been achieved. Cycloned sand deposition was completed within the downstream trial area on 19-Oct-99.

MPMC representatives read all other active TSF piezometers on December 1 and 8. The following observations are based on the summary data shown on Figures 1 to 10.

- Foundation Piezometers
  All foundation piezometers have generally remained static.

- Fill Piezometers
  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) increased then dropped slightly, likely as a result of Zone CS placement. The remainder of the fill piezometers have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers
  Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level. The tailings piezometers at Plane A reacted to the placement of Zone CS material, and have since dropped slightly.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22,

1998. MPMC plans to lower the level of the pond in Spring 2000, to continue monitoring of all foundation drain flows.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Over the reporting period, Zone S Control sample C/ZS-4 was collected from Borrow Area #2, and was sent to MTS for laboratory testing. Also over the period, lab test results were received from MTS Testing for Control sample C/ZS-3 and Record sample R/ZS-3. These materials were found suitable for Zone S or B till construction materials, and the test summaries have been attached.

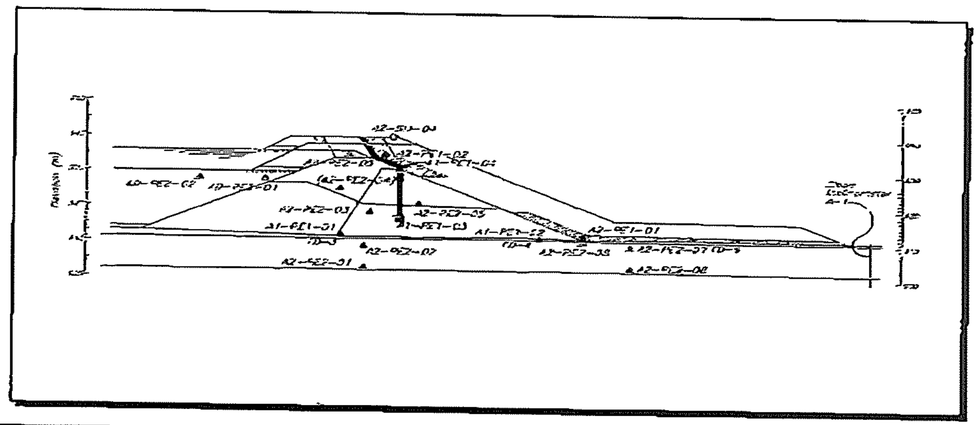
Knight Piésold
CONSULTING

Submitted by,

Ian Manning
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



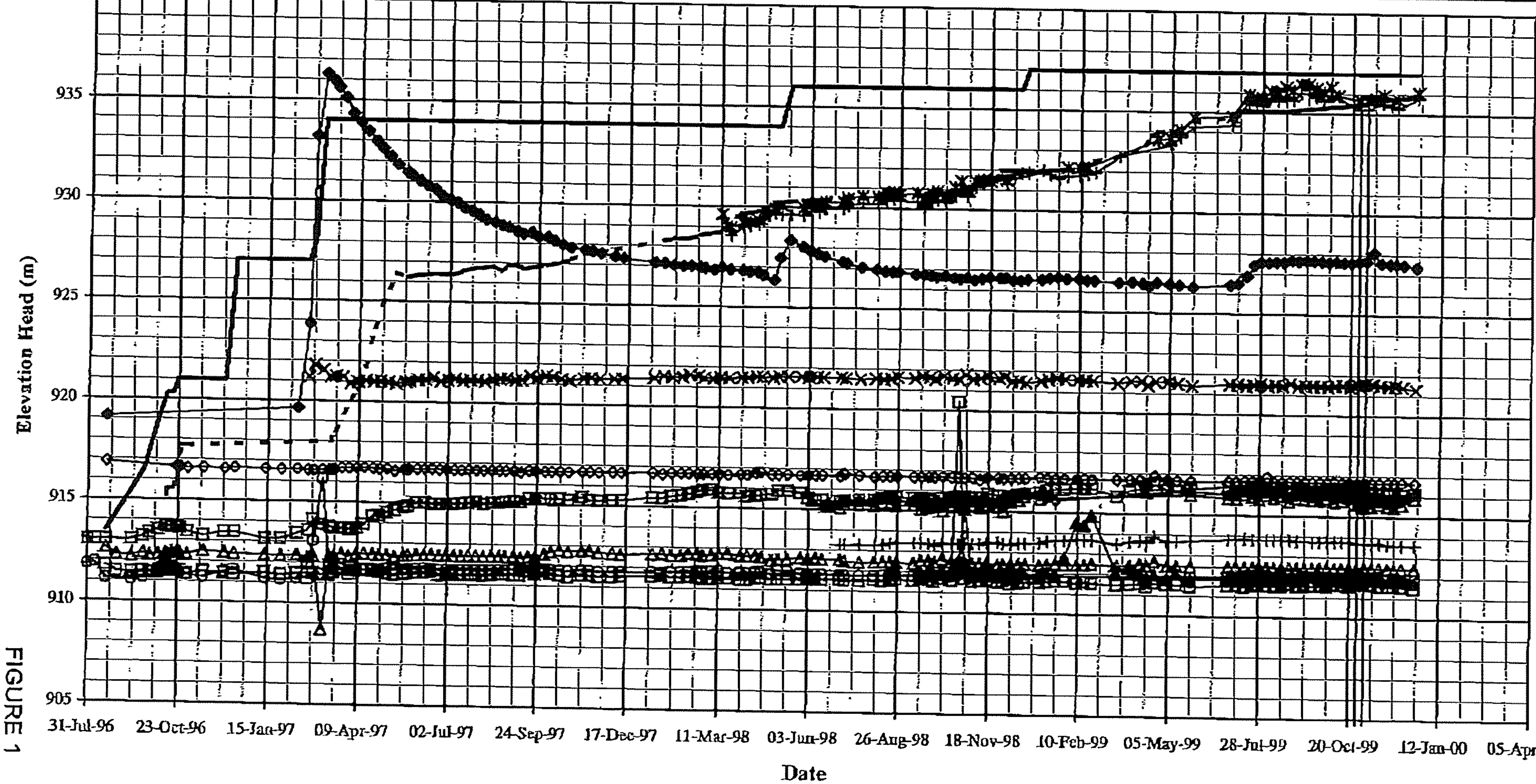


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FIGURE 1

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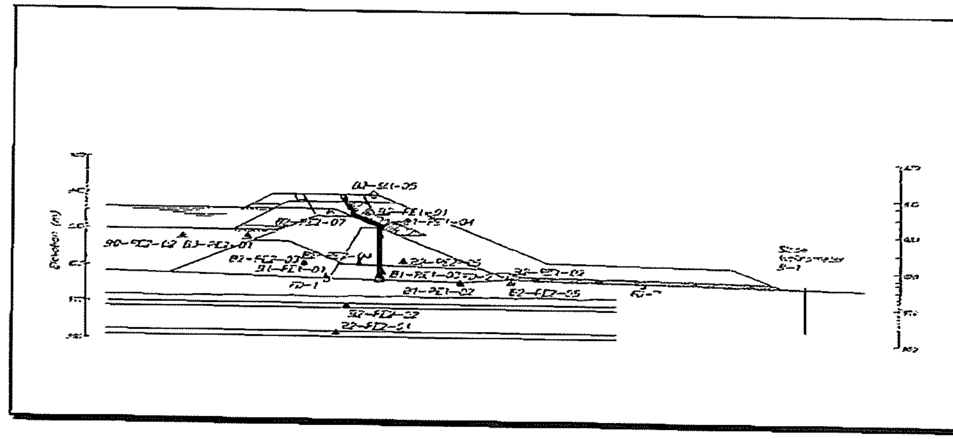
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



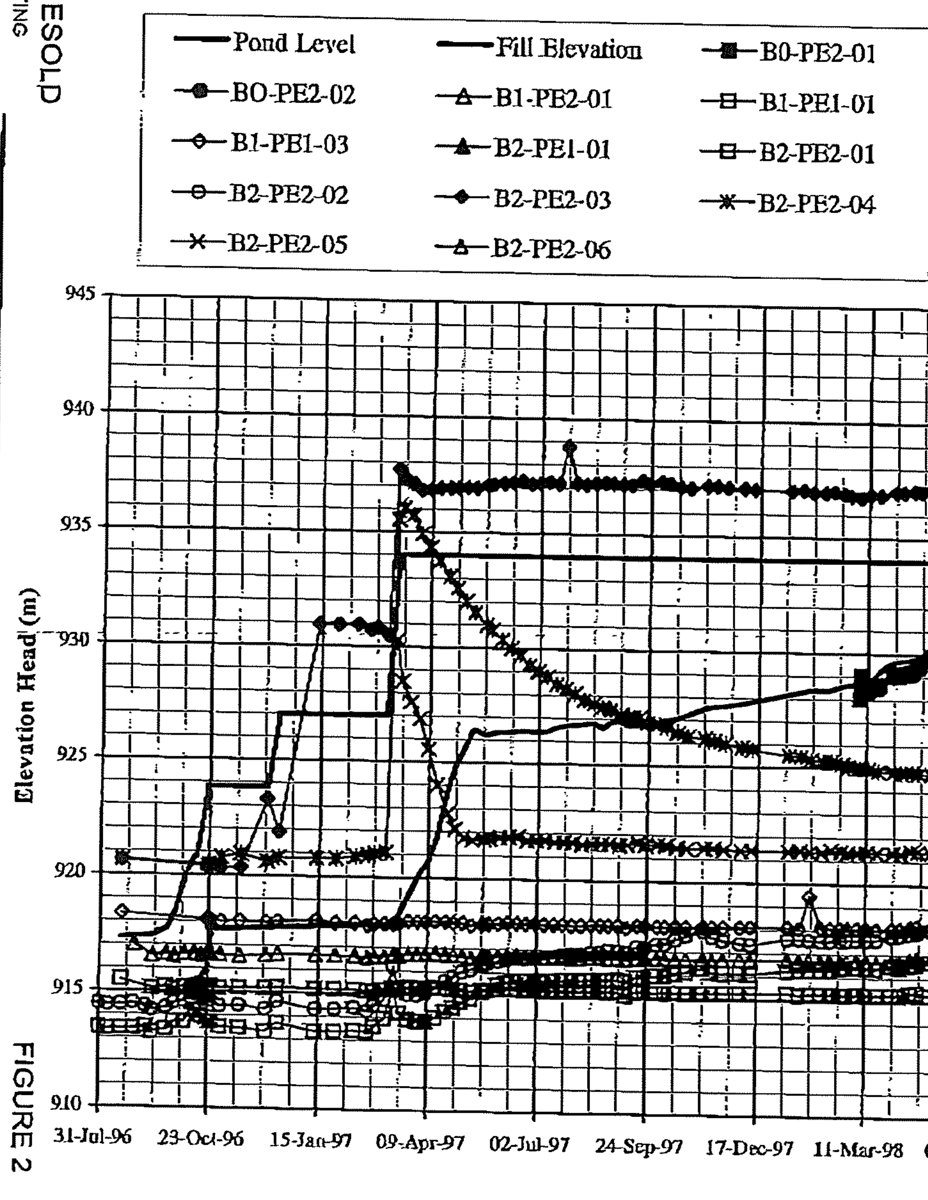


FIGURE 2

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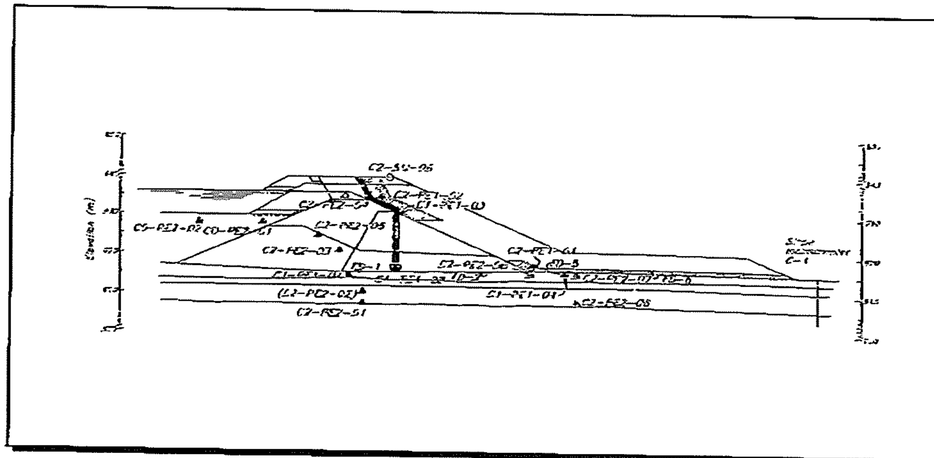
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



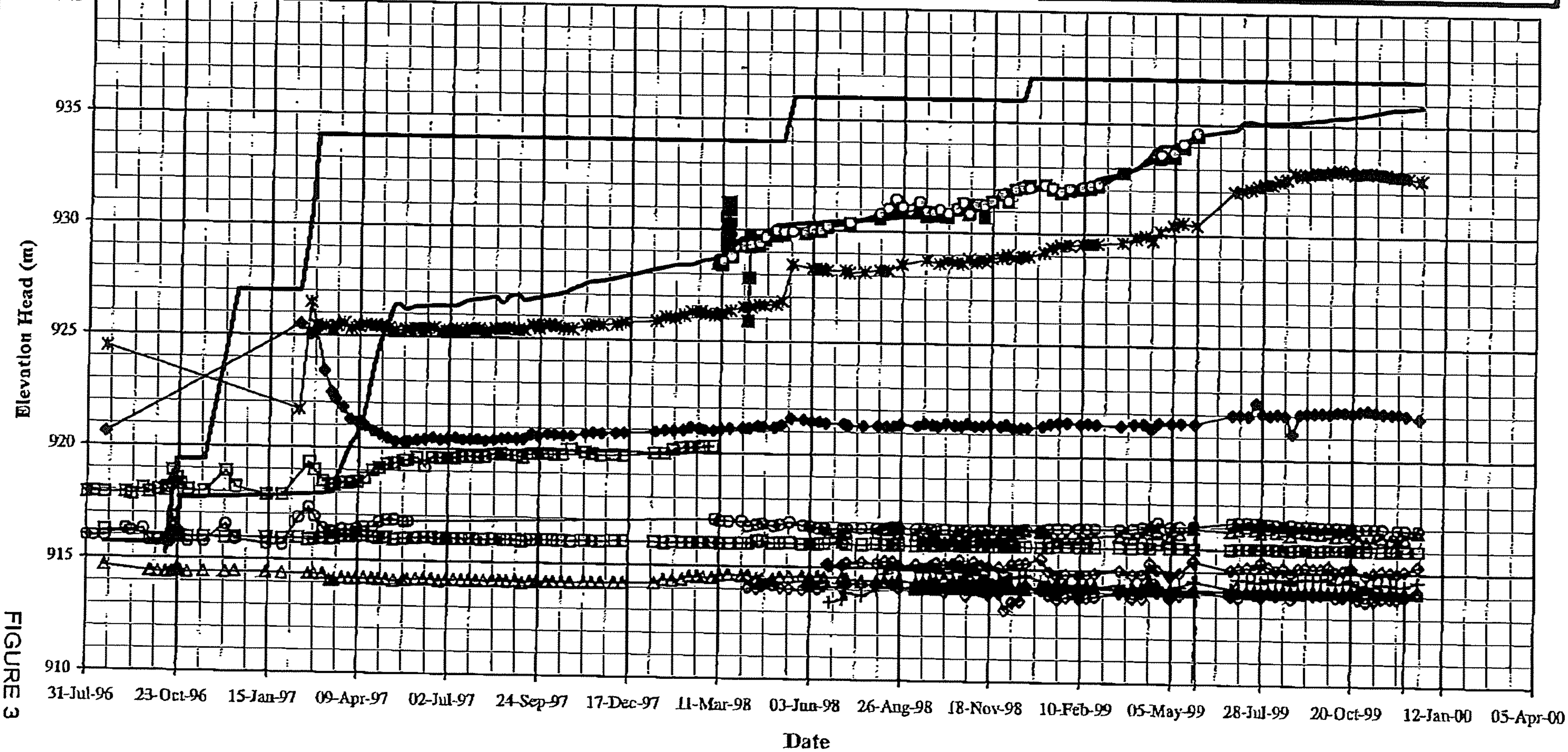
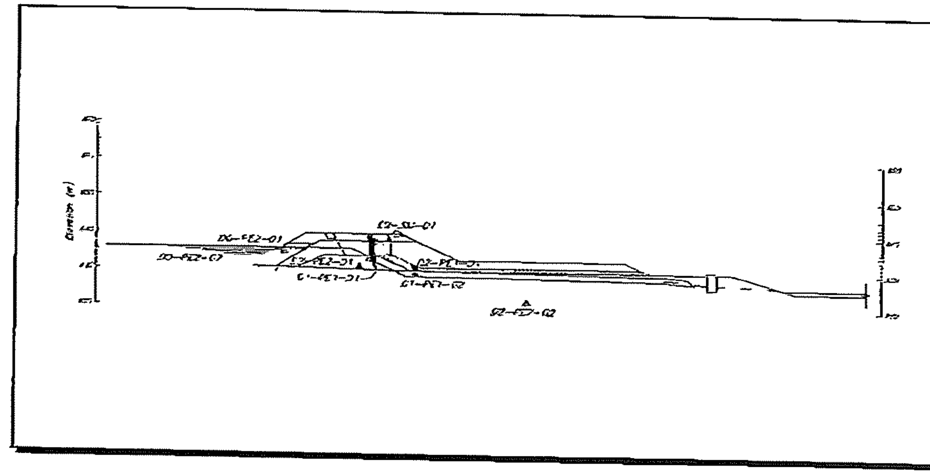


FIGURE 3

MPPiez-d All Piezos

21/12/1999 10:11 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



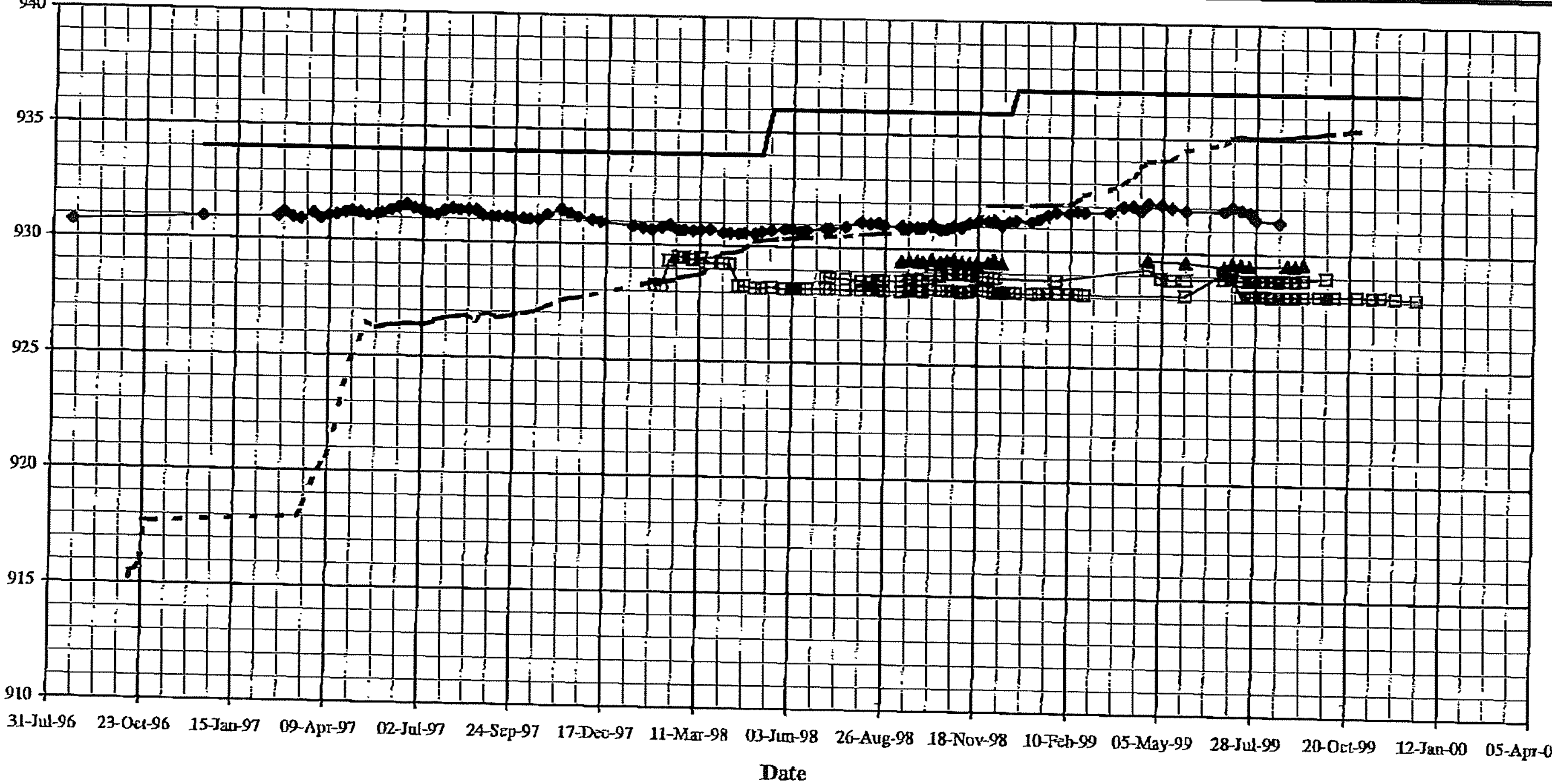


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FIGURE 4

MPPiez-e All Piezos

21/12/1999 10:18 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

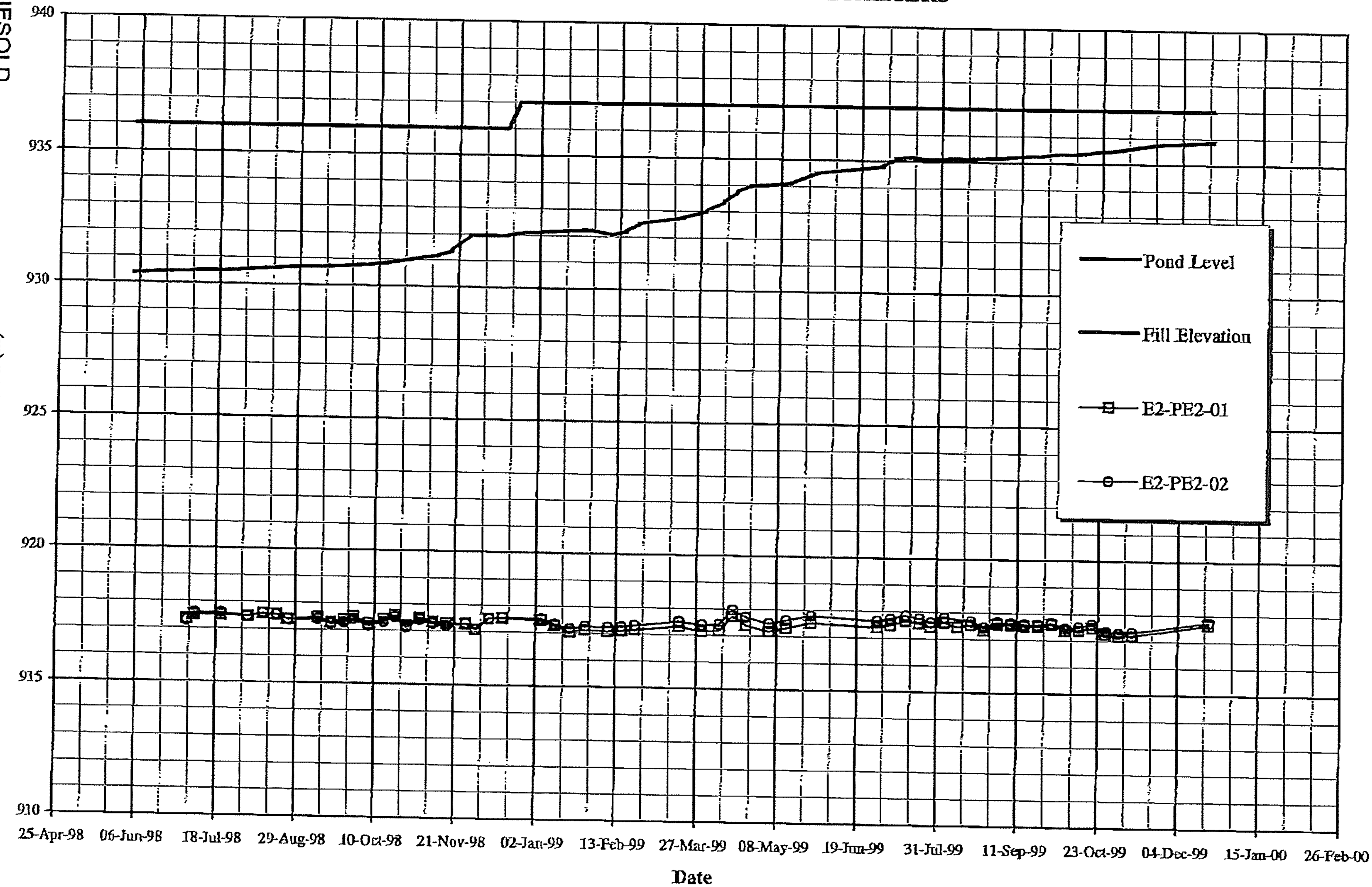

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FIGURE 5

MtPiez-a Fdn Piezos

21/12/1999 10:03 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

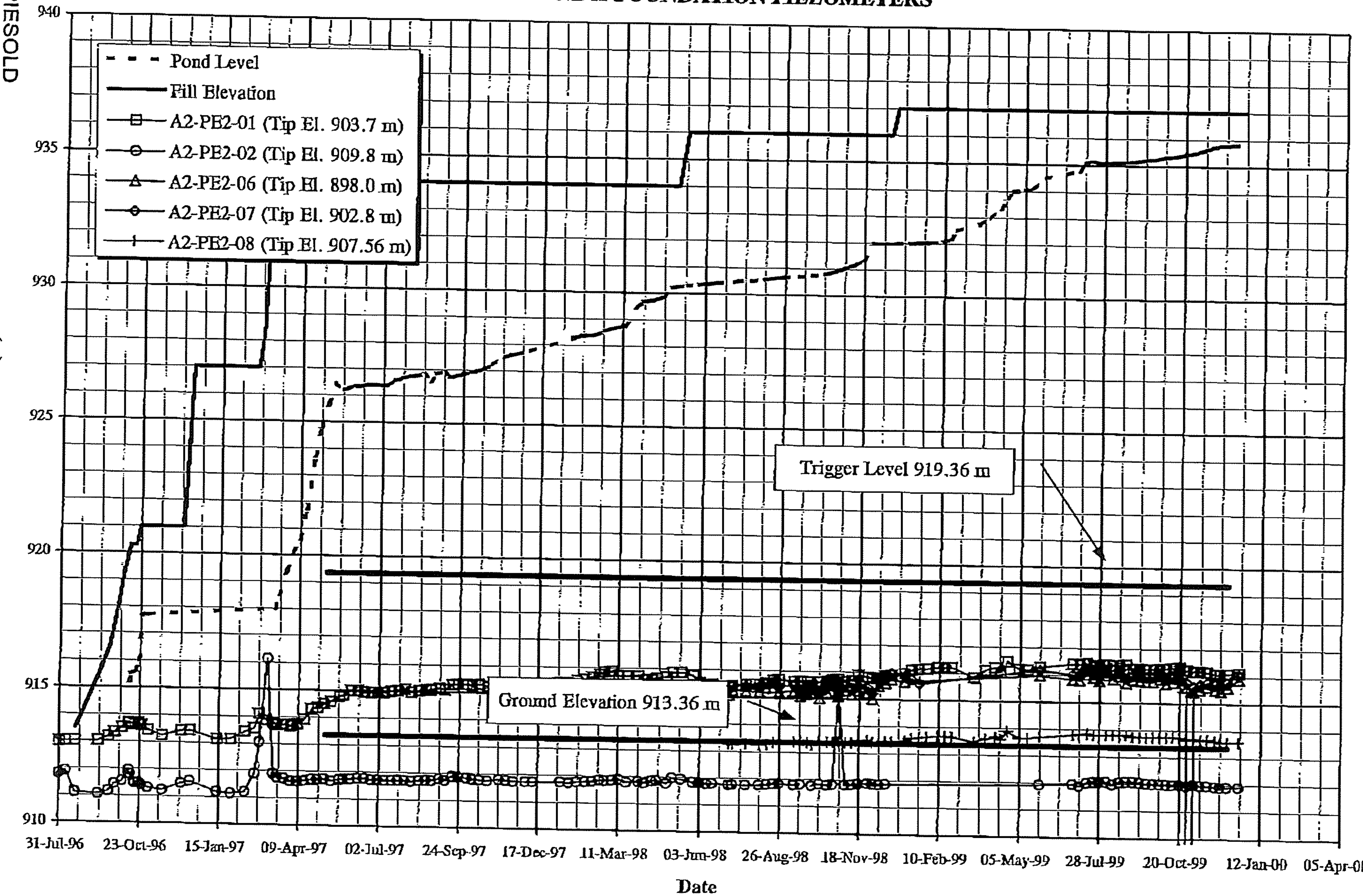

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FIGURE 6

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

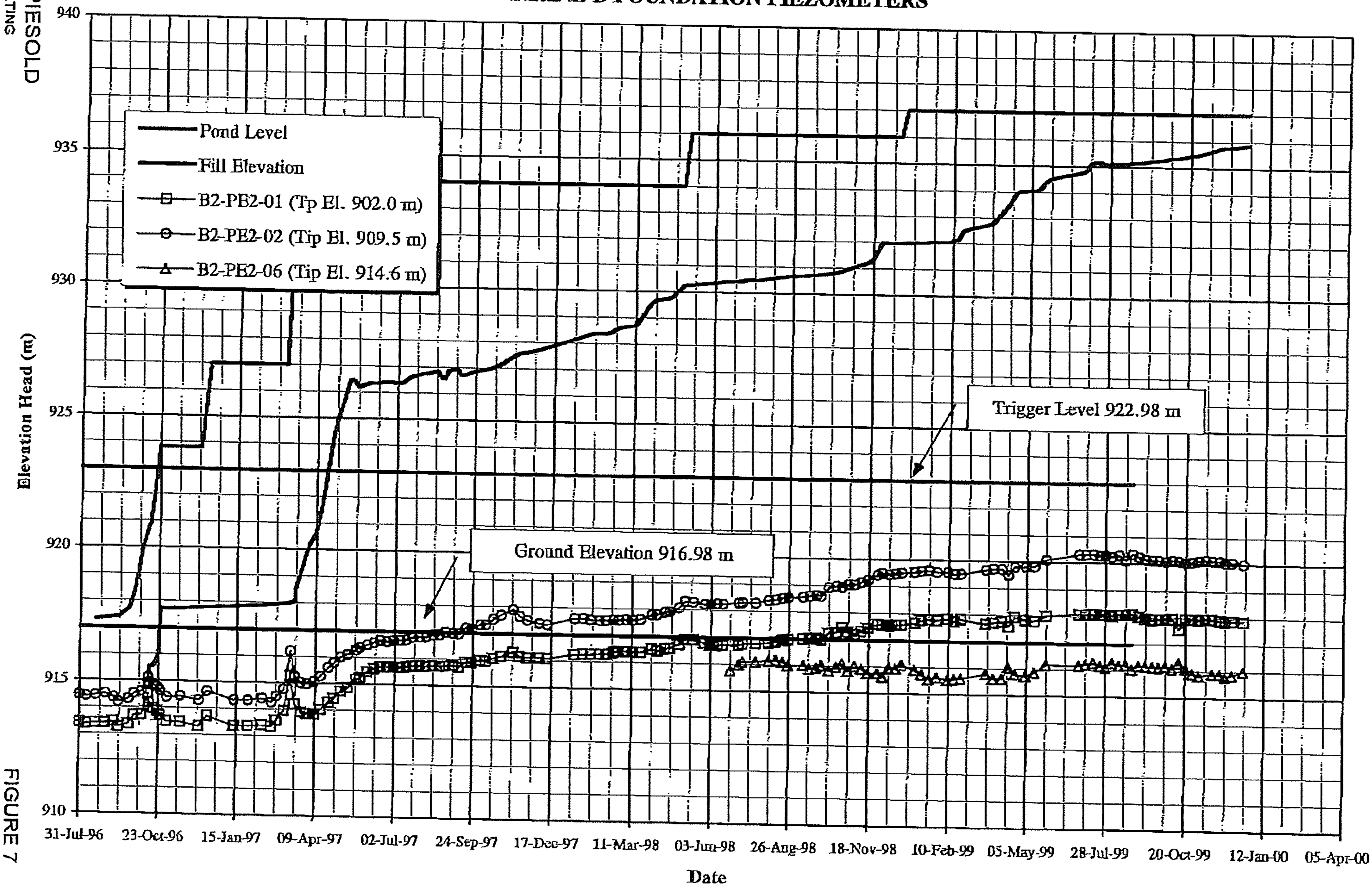

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FIGURE 7

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS

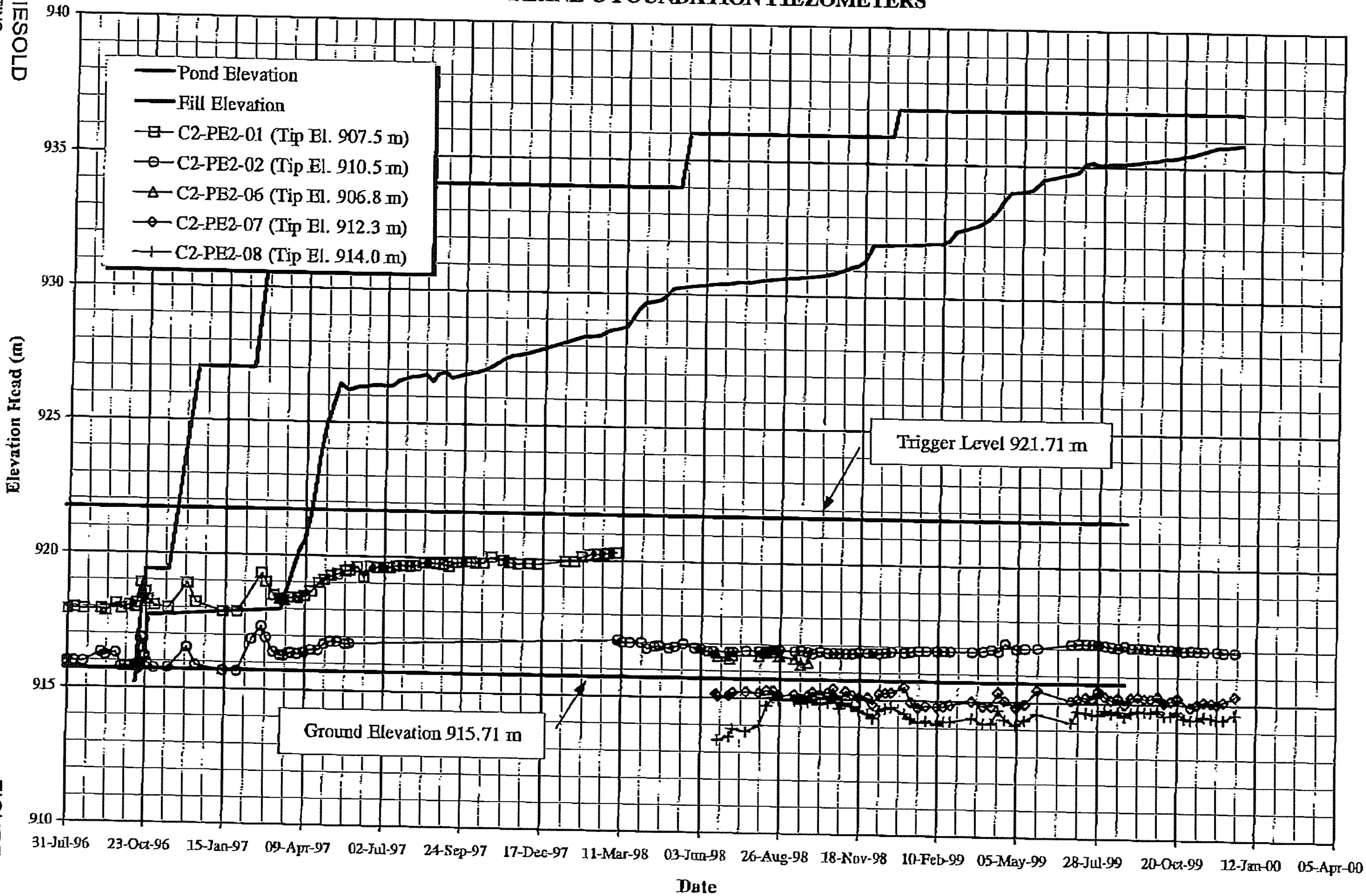

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FIGURE 8

MPPiez-d fdn piezos

21/12/1999 10:11 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

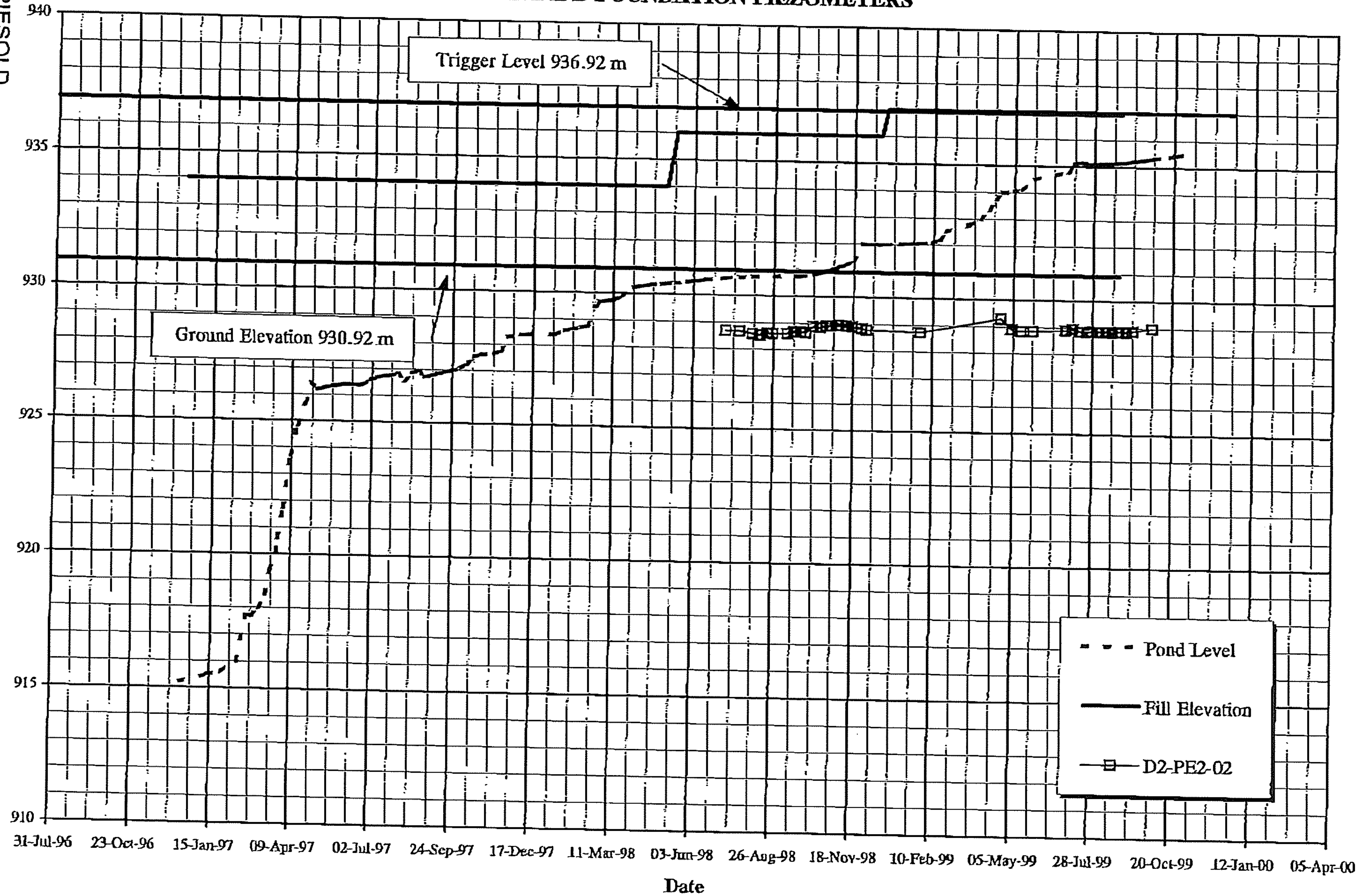

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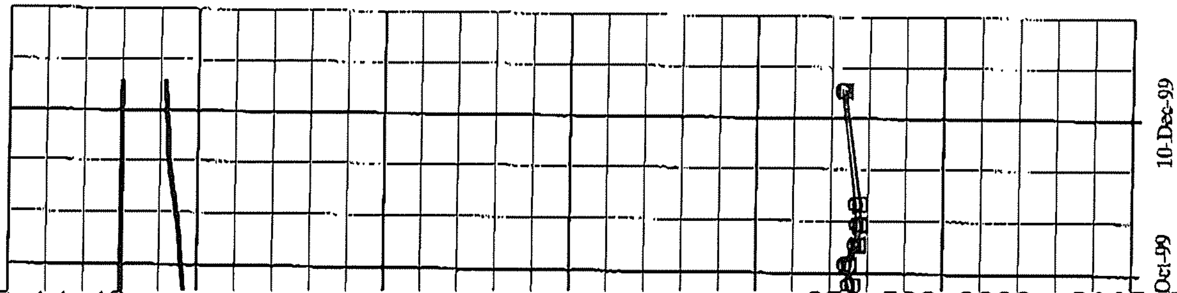
FIGURE 9


10-Dec-99
Oct-99

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS

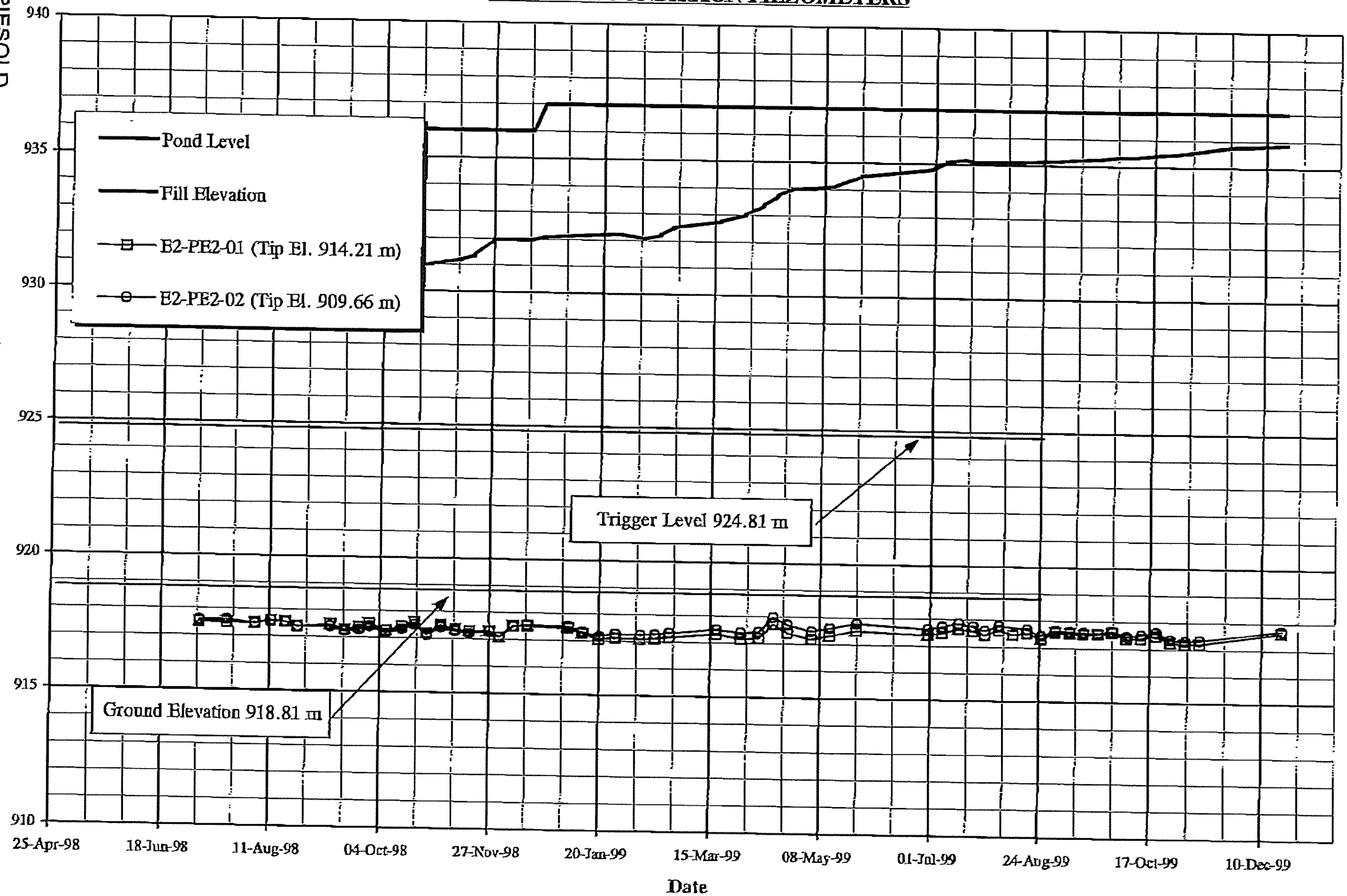


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FIGURE 10

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S CONTROL TEST SUMMARY SHEET

A:\(C-ZS-SUM.xls)Summary Table 21-Dec-99

Date Sampled	Sample No.	Location	Elev. (m)	C1 Atterberg Limits PL %	C1 LL %	C1 PI %	C2 Lab w/c %	C3 (Particle Size Distribution) 152.4 / 6 / 6	76.2 / 3 / 3	50.8 / 2 / 2	38.1 / 1.5 / 1 1/2	25.4 / 1 / 1	19.05 / 0.750 / 3/4	12.7 / 0.500 / 1/2	9.525 / 0.375 / 3/8	4.75 / #4 / #4	3.353 / 0.132 / #6	2 / #10 / #10	1.191 / 0.047 / #16	0.85 / #20 / #20	0.594 / 0.023 / #30	0.425 / #40 / #40	0.25 / #60 / #60	0.15 / #100 / #100	0.075 / #200 / Clay	C4 Standard Proctor Max Dry Density kg/m³	C4 Optimum w/c %	C6 Specific Gravity
03-Sep-99	C/ZS-1	Borrow Area 2, Exc. Face	-	17.5	25.5	8.0	-	100.0	100.0	-	100.0	100.0	98.7	-	93.0	86.1	83.8	-	78.2	-	74.1	71.4	-	61.1	52.8	2015	11.2	-
22-Sep-99	C/ZS-2	Borrow Area 2, Exc. Face	-	16.8	26.8	10.0	11.6	100.0	100.0	-	94.8	92.1	91.0	-	85.6	79.5	77.2	-	71.5	-	67.4	61.6	-	54.3	45.8	2042	10.6	-
29-Nov-99	C/ZS-3	Borrow Area 2, Exc. Face	-	14.8	24.3	9.5	12.1	100.0	100.0	100.0	98.5	94.2	91.2	65.7	80.1	75.2	-	70.7	-	66.8	-	63.3	58.3	50.7	42.1	2180	7.6	2.649
			MEAN	16.4	25.5	9.2	11.9	100.0	100.0		97.8	95.4	93.6		86.2	80.3	80.5		74.8		70.8	66.4		55.4	46.9	2079	9.8	2.65
			MEDIAN	16.8	25.5	9.5	11.9	100.0	100.0		98.5	94.2	91.2		85.6	79.5	80.5		74.8		70.8	64.6		54.3	45.8	2042	10.6	2.65
			MAXIMUM	17.5	26.8	10.0	12.1	100.0	100.0		100.0	100.0	98.7		93.0	86.1	83.8		78.2		74.1	71.4		61.1	52.8	2180	11.2	2.65
			MINIMUM	14.8	24.3	8.0	11.6	100.0	100.0		94.8	92.1	91.0		80.1	75.2	77.2		71.5		67.4	63.3		50.7	42.1	2015	7.6	2.65

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

C1 Atterberg Limits (ASTM D4318)
C2 Moisture Content (ASTM D2216)
C3 Particle Size Distribution (ASTM D422)
C4 Laboratory Compaction (ASTM D698)
C6 Bulk Specific Gravity (ASTM C127)

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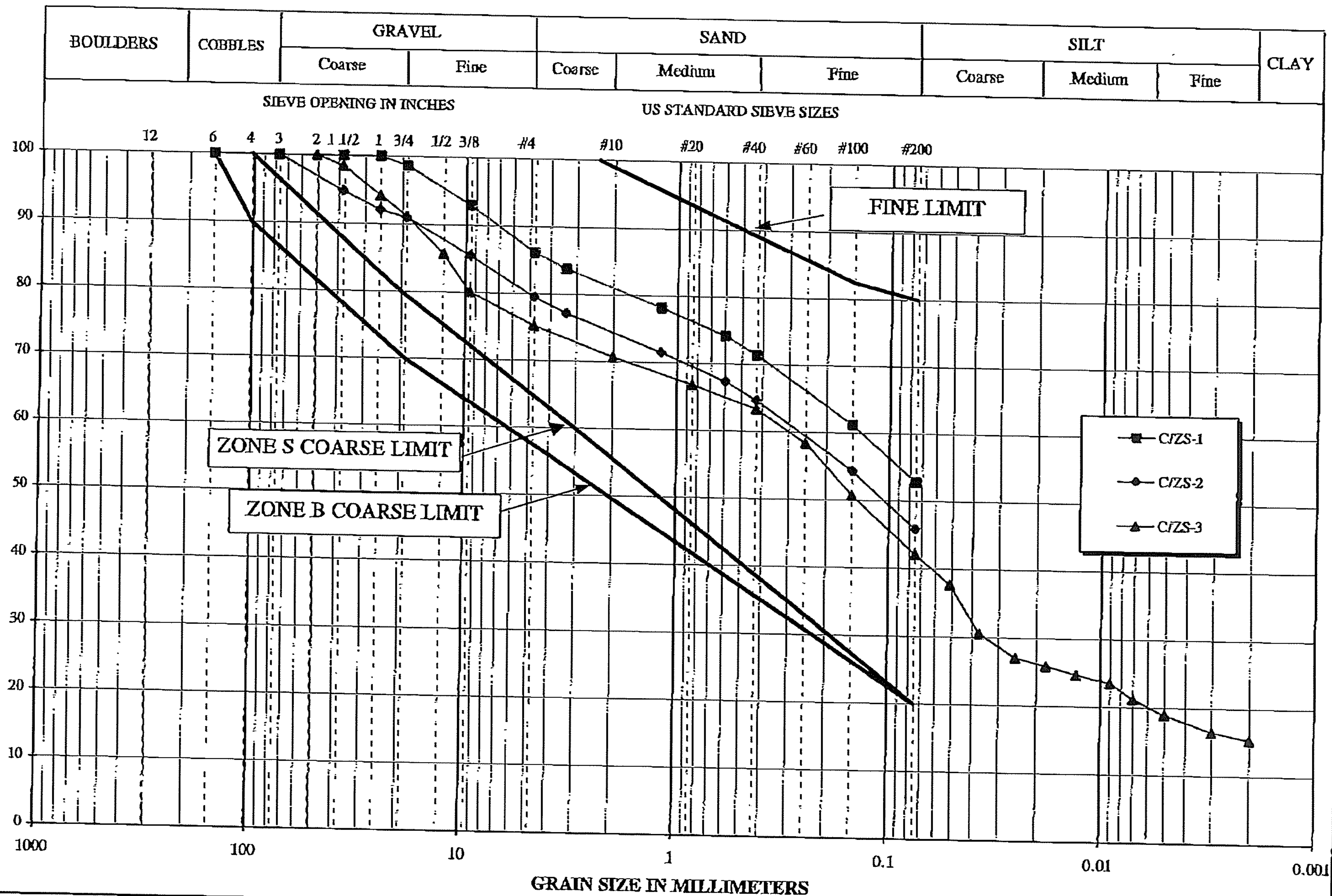
21/12/1999 1:14 PM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S CONTROL SAMPLES - GRADATION CURVES



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MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION

ZONE S RECORD TEST SUMMARY SHEET

A:\(R-ZS-SUM.xls)Summary Table

21-Dec-99

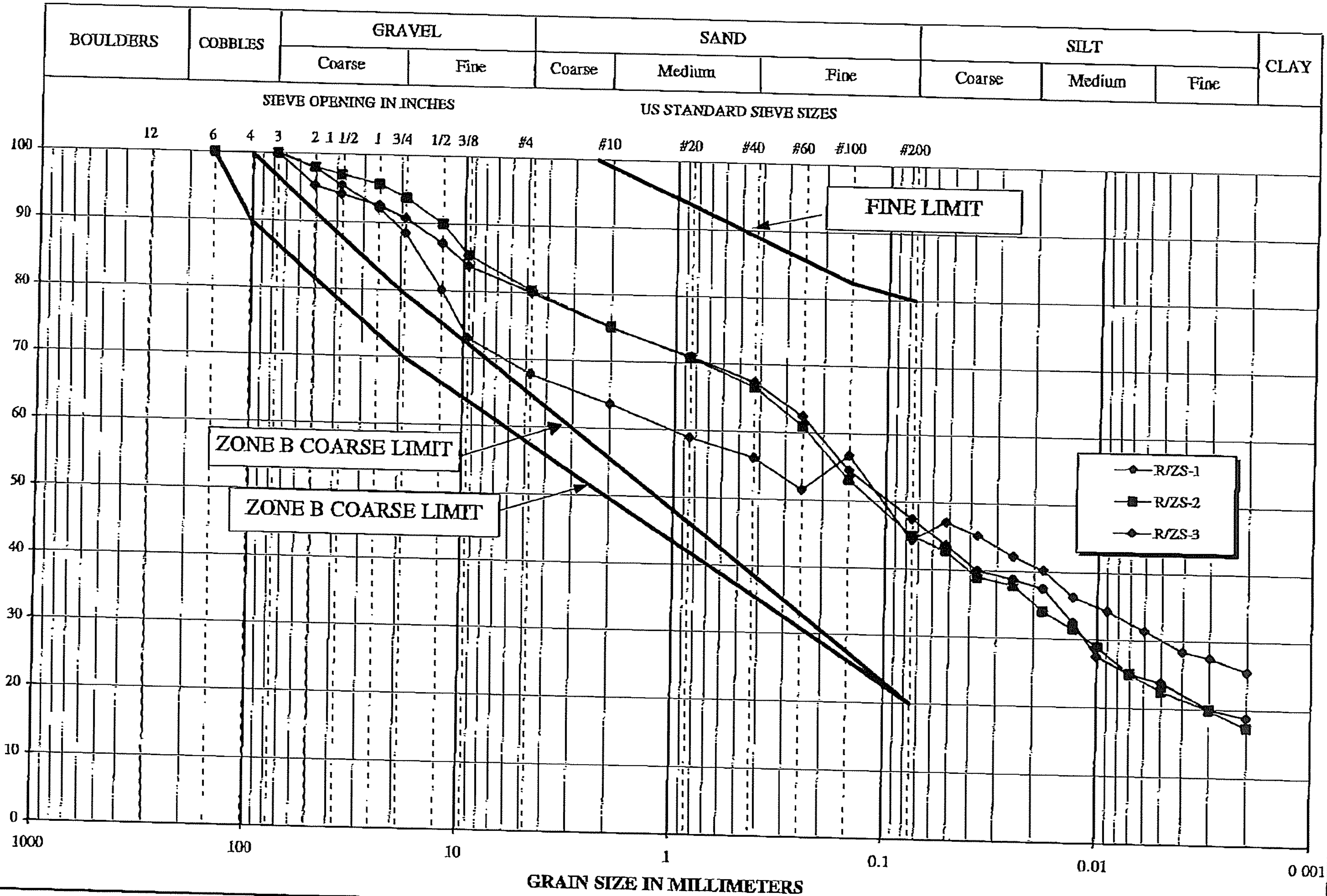
Date Sampled	Sample No.	Location	Elev. (m)	R1 Atterberg Limits PL	LL	PI	R2 Field m/c	R3 (Particle Size Distribution) 152.4	76.2	50.8	38.1	25.4	19.05	12.7	9.525	4.75	2	0.85	0.425	0.25	0.15	0.075	R4 Standard Proctor Max Dry Density kg/m³	Optimum m/c %	R6 Specific Gravity
								6	3	2	1.5	1.000	0.750	0.500	0.375	#4	#10	#20	#40	#60	#100	#200			
				%	%	%	%	6	3	2	1 1/2	1	3/4	1/2	3/8	#4	#10	#20	#40	#60	#100	Clay			
05-Oct-99	R-ZS-1	Zone S fill - lift #2, CH 30+13	-	17.9	29.1	11.2	11.1	100.0	100.0	97.9	95.4	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	56.7	44.3	2165	8.8	-
01-Nov-99	R-ZS-2	Zone S fill - lift #4, CH 31+38	-	16.4	27.7	11.3	11.5	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	75.1	70.7	66.6	60.9	53.1	45.0	2110	8.4	2.701
27-Nov-99	R-ZS-3	Zone B fill - lift #4, CH 29+79	-	15.7	27.4	11.7	13.1	100.0	100.0	95.3	94.1	92.5	90.7	87.1	83.8	80.0	75.0	70.9	67.3	62.4	54.5	47.5	2075	9.0	-
			MEAN	16.7	28.1	11.4	11.9	100.0	100.0	97.1	95.5	93.4	91.0	85.7	80.7	76.0	71.2	66.8	63.3	58.3	54.8	45.6	2117	8.7	2.70
			MEDIAN	16.4	27.7	11.3	11.5	100.0	100.0	97.9	95.4	92.5	90.7	87.1	83.8	80.0	75.0	70.7	66.6	60.9	54.5	45.0	2110	8.8	2.70
			MAXIMUM	17.9	29.1	11.7	13.1	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	75.1	70.9	67.3	62.4	56.7	47.5	2165	9.0	2.70
			MINIMUM	15.7	27.4	11.2	11.1	100.0	100.0	95.3	94.1	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	53.1	44.3	2075	8.4	2.70

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S RECORD SAMPLES - GRADATION CURVES



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

A3-2

Knight Piésold CONSULTING *Knight Piésold, Mt. Polley Site* *Fax: (250) 790-2268* *Phone: (250) 790-2215*	**DATE:**	Dec. 14, 1999	**FILE NO.:**	11162/10.F01/F02/F05/F07
	TIME:		**REF NO.:**	99-041
	OPERATOR:		**PAGES:**	1 of 24
	SENDER:	Ian Manning	**APPROVED:**	

TO:	KP Vancouver	**FAX :**	604-685-0147
ATTN:	John Wilkinson		
CC:	George Headley, Ministry of Energy and Mines		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report #7		

Dear John,

Please find attached Progress Report No. 7 for Stage 2C Construction at the Mount Polley Mine. This document is for the reporting period November 16 to 30, 1999.

Best Regards,

Ian Manning
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 7
NOVEMBER 16 TO 30, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ian Manning (IBM), Project Engineer (on-site as of 25-Nov-99)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were generally mixed. During the first half of the period, conditions were mostly warm, with overcast skies and some showers. Near the end of the reporting period, temperatures were typically below freezing, with occasional snow.

1.3 DESIGN AND CONTRACT DEVELOPMENTS

Over the reporting period, KP issued a design change to MPMC for Stage 2C construction to crest El. 941m, from the original design El. 940m. This will allow freeboard to be maintained until early 2001. MPMC is currently in the process of obtaining a permit revision for this increased crest elevation for Stage 2C construction. Copies of the three Figures associated with this design change have been included in this report.

Some design modifications were made in order to construct the Stage 2C embankments to El. 941m, while maintaining a reasonable crest width and constant crest offset from SOL around the facility:

- Along the Main embankment (approx. CH 15+60 to 26+80), the d/s face slope was slightly flattened to 1.75H:1V. At crest El. 941m, the original design total crest width of 8 meters will be maintained.

- Along the Main embankment left abutment and Perimeter embankment right abutment (approx. CH 26+80 to 32+00), various design modifications were made. These include 1.5H:1V u/s and d/s face slopes, and a 3.5 meter upstream shift of the u/s embankment toe. This additional upstream construction is required to maintain a constant 2 meter offset from the SOL to the u/s Zone S core contact along the entire tailings embankment. At crest El. 941m, a total width of 8 meters will be maintained.

- Along the Perimeter embankment (approx. CH 32+00 to 44+35), placement of an upstream Coarse Bearing Layer (CBL) over the tailings beach was initiated during the previous reporting period, and was completed on 17-Nov-99. This CBL zone was constructed due to insufficient upstream cycloned sand being available for Stage 2C construction along the Perimeter embankment. Above the CBL, Zone B till material will be placed with an u/s face slope of 1.5H:1V. The d/s Zone S face slope has been slightly flattened to 1.5H:1V, and the total crest width at El. 941m has been reduced to 6.5 meters.

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1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations for 1999 were terminated on October 19. Since that time, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. Following Stage 2C construction, a tailings pipeline system will be re-instated along the embankments. Bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

Stage 2C Embankment Construction

- Preparation work was carried out within Borrow Area #2. This included overburden stripping, wasting of all saturated till materials, snow removal, and removal of frozen till materials.

- Zone B & S surface preparation was carried out as required prior to placement of each lift. This included snow removal, wasting of any saturated upper layers of previously placed materials, and removal of rockfill and cycloned sand contaminants from Stage 2B embankment crest.

- As part of the crest El. 941m design change, additional upstream Zone B fill placement is required from CH 26+80 to CH32+00. During the reporting period, foundation preparation and wasting of loose u/s face material was carried out along the upstream Perimeter embankment area from CH 28+00 to CH32+00.

- During foundation preparation activities, the buried solid CPT u/s toe drain was intercepted and damaged between CH 28+90 and CH 29+25. This section of pipe was excavated out and replaced, and the trench was backfilled with till material and nominally compacted.

- Dayshift and nightshift Coarse Bearing Layer rockfill placement along the upstream side of the Perimeter embankment crest was completed on November 17.

- Construction of a Stage 3 rockfill toe confining berm began along the downstream left side of the Main embankment. This work was carried out on November 22 and 23.

- Dayshift and nightshift Zone B & S fill placement was carried out from November 23 to 29. Construction activities were carried out along the Perimeter embankment from CH 27+80 to CH 35+75 (work on lifts #1 to 6).

- Dozer work was carried out along the Main embankment, pushing upstream cycloned sand to the u/s Zone S core contact.

- At the left end of the Perimeter embankment, an excavator pulled back Coarse Bearing Layer material which had been placed upstream of the design toe, for use within the Zone B Stage 2C area.

Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	16,068	20,003	82,120	24
B (till)	8,034	24,979	52,610	47
CBL (rockfill)	6,180	31,180	31,180	100
F (filter sand)	2,300	2,300	2,300	100
Stg 3 toe berm (rockfill)	3,507	3,507	-	-

Note: Fill volumes required for Stage 2C construction have been updated to include for the El. 941m design change.

Miscellaneous

- Grader work was carried out along TSF access roads.
- During the reporting period, the water return pipeline from the Perimeter embankment seepage collection pond was removed from the embankment crest.
- Over the reporting period, cycloned sand upstream of the Perimeter embankment was excavated and used for d/s access ramp construction.
- Neil Giesbrecht and Brian Stanga (contract surveyors) carried out construction survey control.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- Over the reporting period, Peterson Contracting carried out Zone B and S till placement during both dayshift and nightshift operations. KP authorized for Steve Syme and Neil Giesbrecht to provide nightshift construction inspection services on behalf of KP.
- Nuclear densometer record testing was carried out on all placed and compacted Zone B and S materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Maximum Dry Density (SMDD), and 95% SMDD for Zone S core material. Densometer testing confirmed that the required compaction specifications were achieved.

- During construction, KP provided ongoing inspection of the following: stripping of unsuitable materials within Borrow Area#2, excavated till materials for embankment construction, embankment surfaces prior to fill placement, lift thickness.

- IM inspected u/s Perimeter embankment foundation preparation work from CH 28+00 to CH 32+00.

Stage 2C Crest E. 941m Design Change

- KP faxed E. LeNeve (MPMC) re: Stage 2C crest elevation requirements for various freeboard durations, and a proposed Perimeter embankment configuration for Stage 2C crest El. 941m.

- KP faxed E. LeNeve approximate Stage 2C till volumes (Zones B & S) for various crest elevations.

- KP faxed E. LeNeve embankment configurations for El. 941m design change, with both u/s and d/s embankment configurations from CH 26+80 to CH 32+00. MPMC decided to adopt the u/s embankment configuration, in order to maintain a constant 2 meter offset from the SOL to the u/s Zone S core contact throughout the embankments.

- KP issued a design change to MPMC for Stage 2C embankment construction to El. 941m.

Miscellaneous

- No KP representatives were on-site during the period 10-Nov-99 to 24-Nov-99, due to a lack of construction activities requiring QA/QC services.

- Progress Report No. 6 was issued for the reporting period November 1 to 15, 1999.

- KP faxed E. LeNeve preliminary Stage 3 TSF drawings, including Main embankment d/s toe confining berm and spine drain configurations.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

The Perimeter Embankment instrumentation Planes D and F piezometers within the downstream cycloned sand trial berm were previously monitored by KP and MPMC personnel. Piezometric pressures have indicated that drained conditions have been achieved. Cycloned sand deposition was completed within the downstream trial area on 19-Oct-99.

MPMC representatives read all other active TSF piezometers on November 17, 25, and December 1. The following observations are based on the summary data shown on Figures 1 to 10.

- Foundation Piezometers
  All foundation piezometers have generally remained static.

- Fill Piezometers
  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) increased then dropped slightly, likely as a result of Zone CS placement. The remainder of the fill piezometers have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers

Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level. The tailings piezometers at Plane A reacted to the placement of Zone CS material, and have since dropped slightly.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in Spring 2000, to continue monitoring of all foundation drain flows.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. Monitoring of the outlet drain flows will recommence after the pond level has been lowered.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) was not been monitored this season due to a break in the pipe. The pipe was repaired in the Fall of this year, and is now frozen. Weekly readings of GW96-9 will recommence in the Spring.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

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3.3 QA/QC and Laboratory Testing

Thirteen (13) concrete test cylinders were previously cast during backfilling of the Main and Perimeter embankment outlet pipe trenches. These cylinders were delivered to the MTS laboratory for compressive strength testing after periods ranging from 3 to 28 days. Test results for eleven (11) samples were received over previous reporting periods. Test results for the two (2) remaining samples were received over this reporting period, with results indicating that the design objectives are being exceeded.

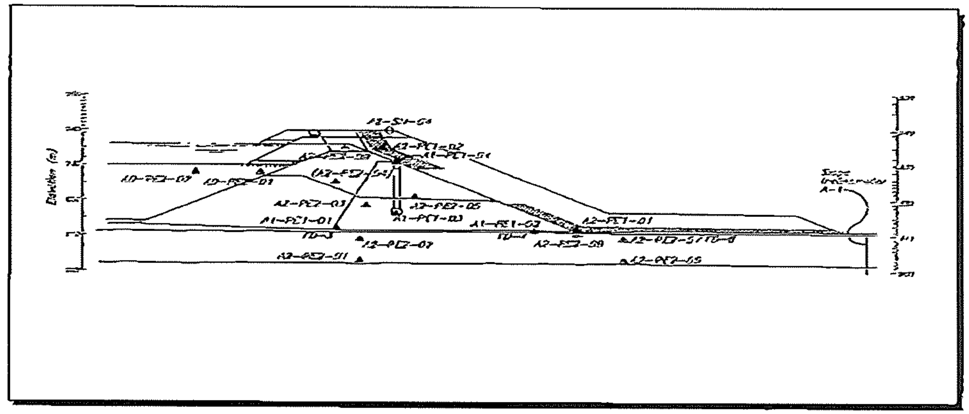
Over the reporting period, Zone S record sample R/ZS-3 was collected from the lift #4 (above grade) Perimeter embankment at CH 29+80. Control Zone S sample C/ZS-3 was collected from Borrow Area #2 during the reporting period. These samples were both sent to MTS for laboratory testing.

Submitted by,

Ian Manning
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



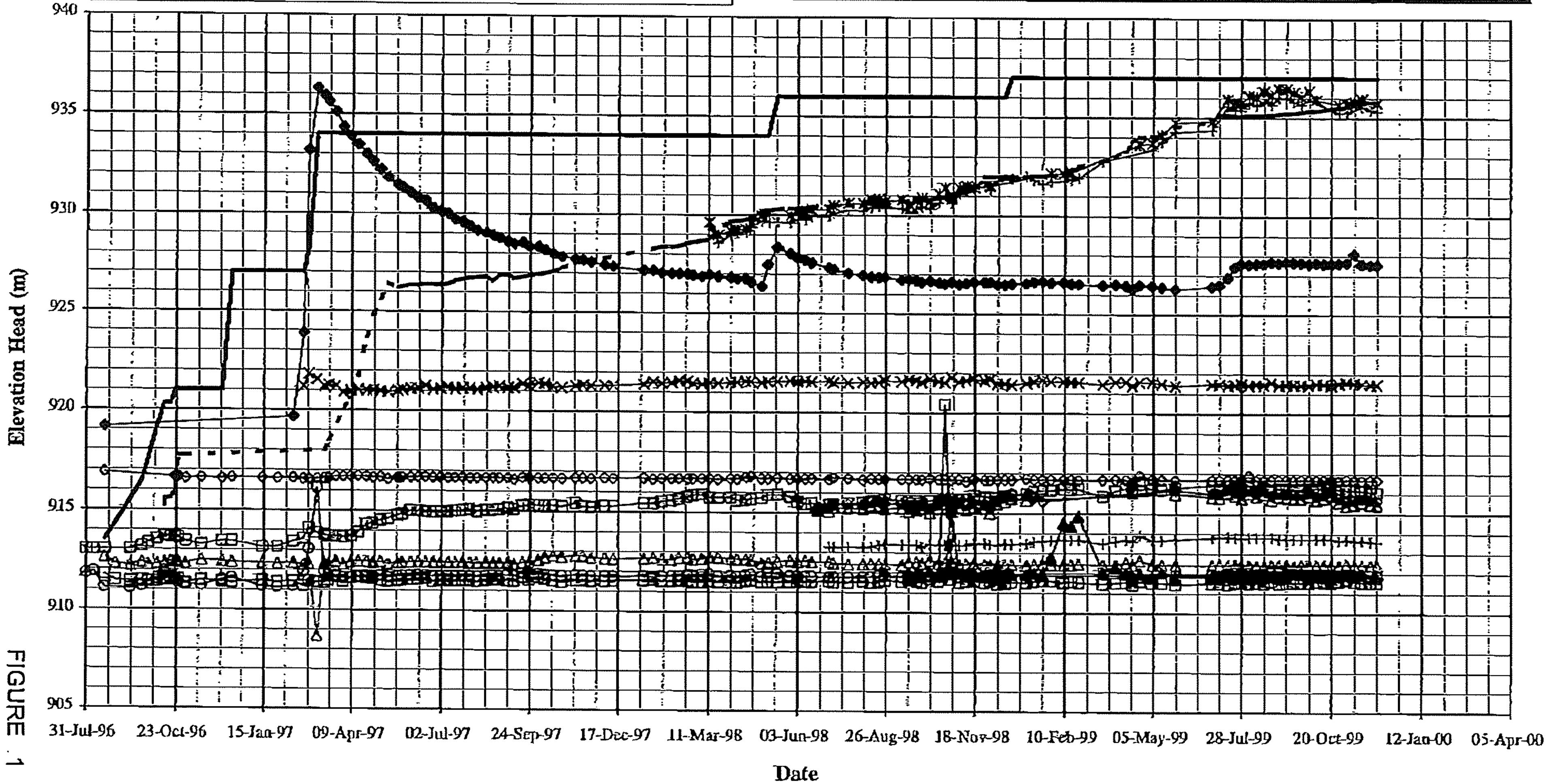


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FIGURE 1

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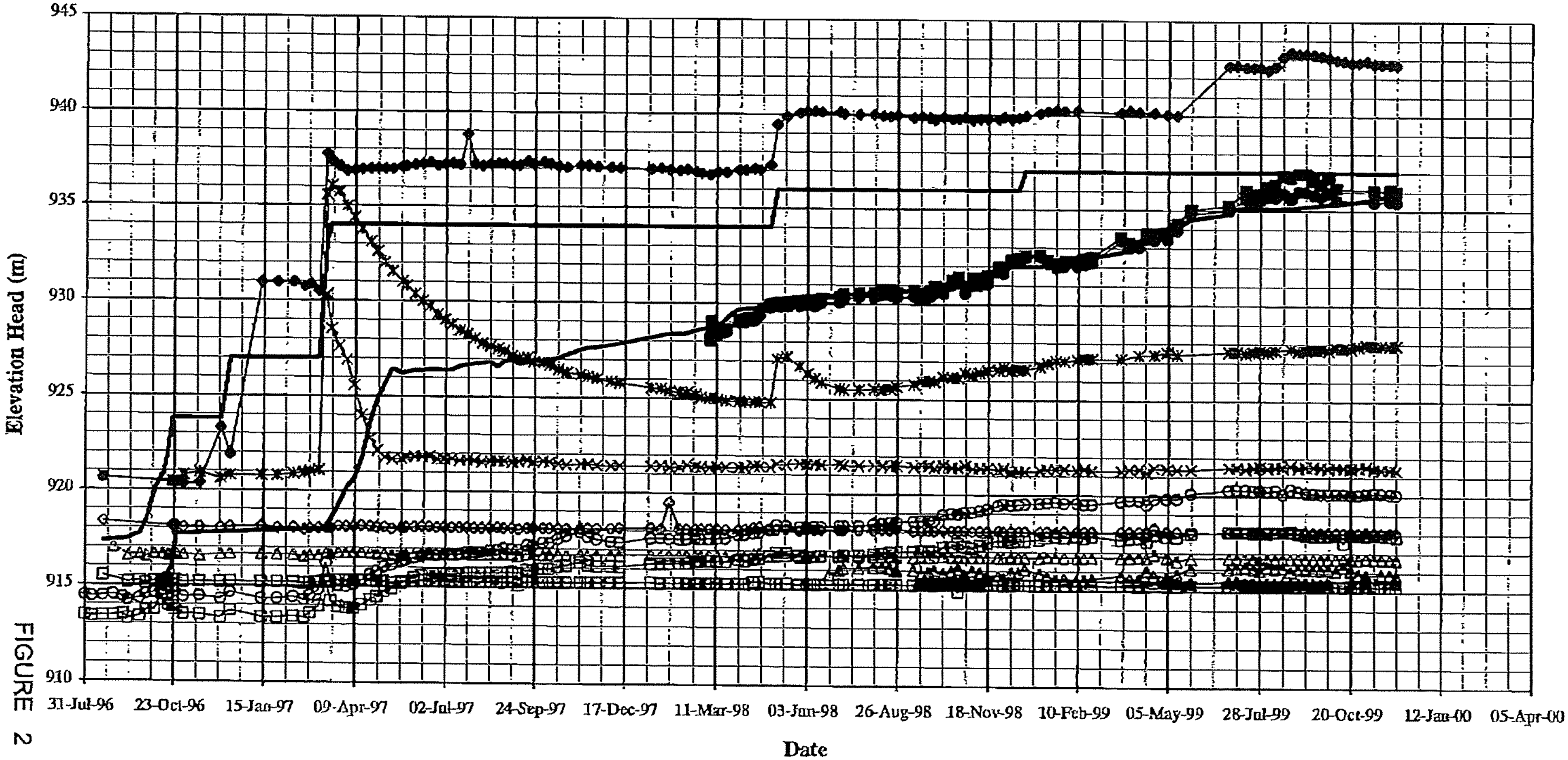
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



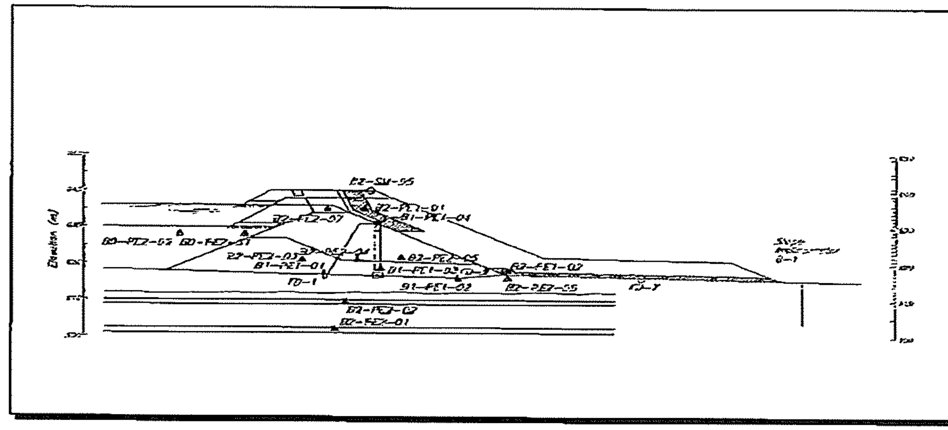
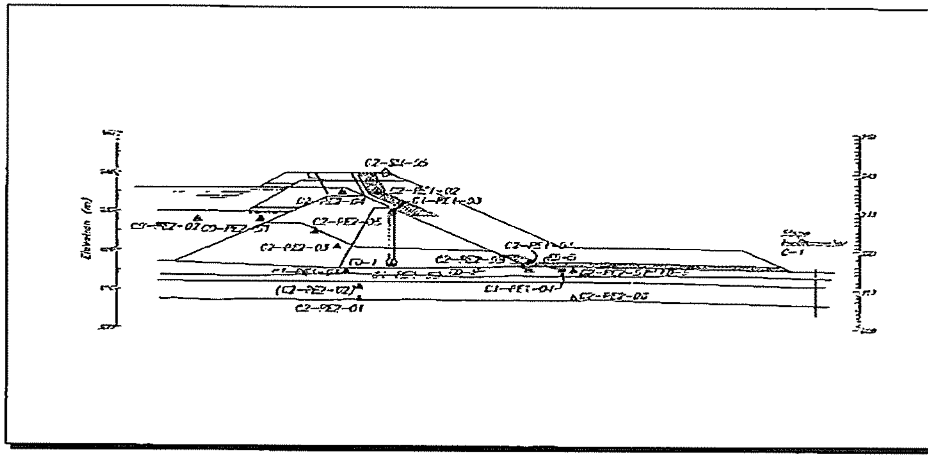


FIGURE 2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



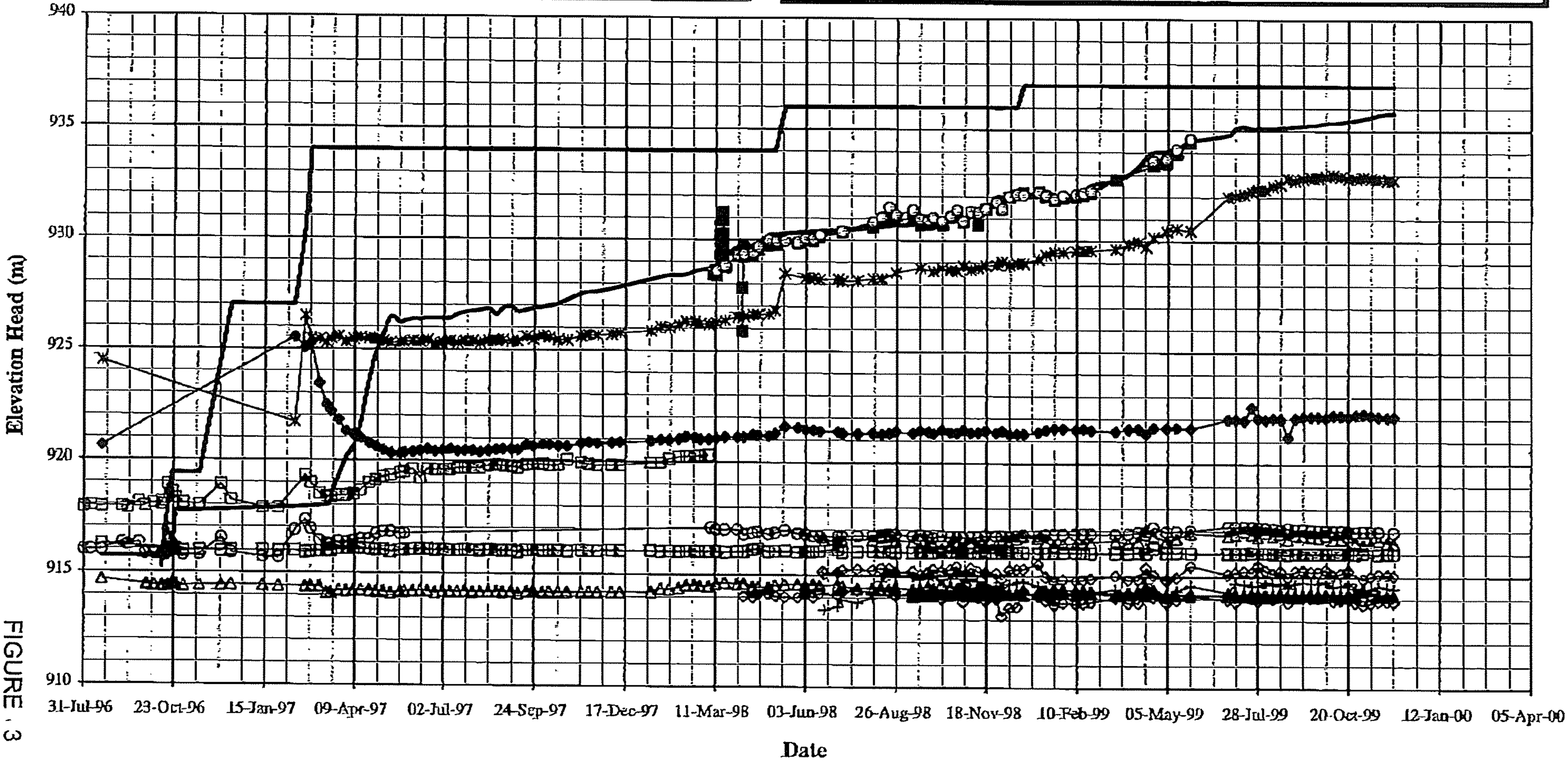


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FIGURE 3

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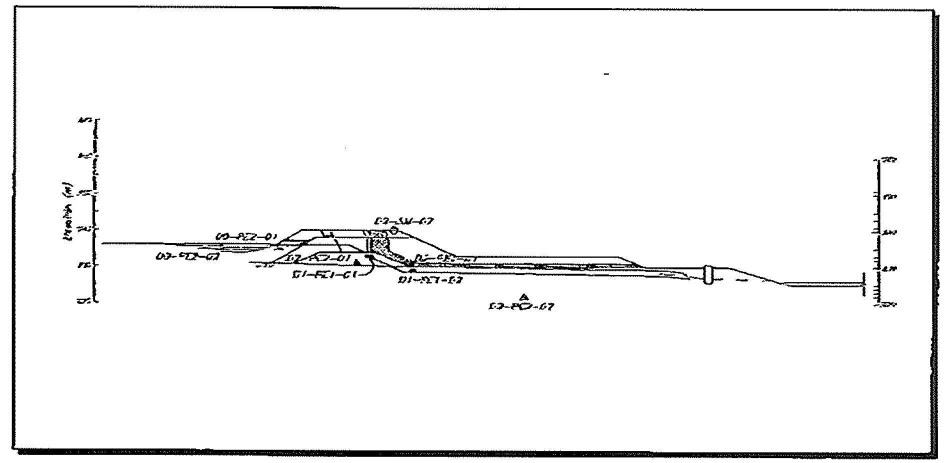
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



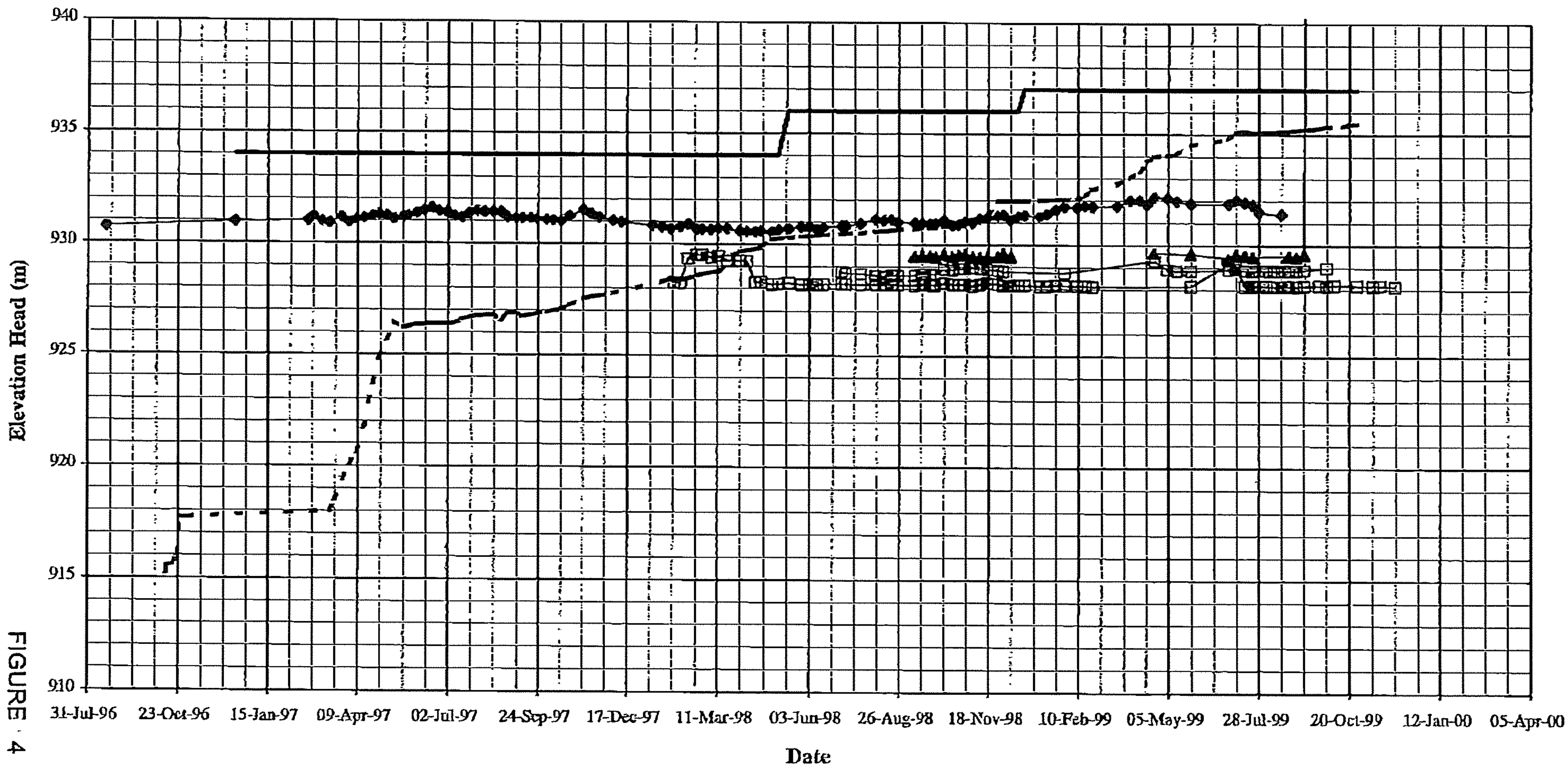


FIGURE 4

MPPiez-e.xls All Piezos

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

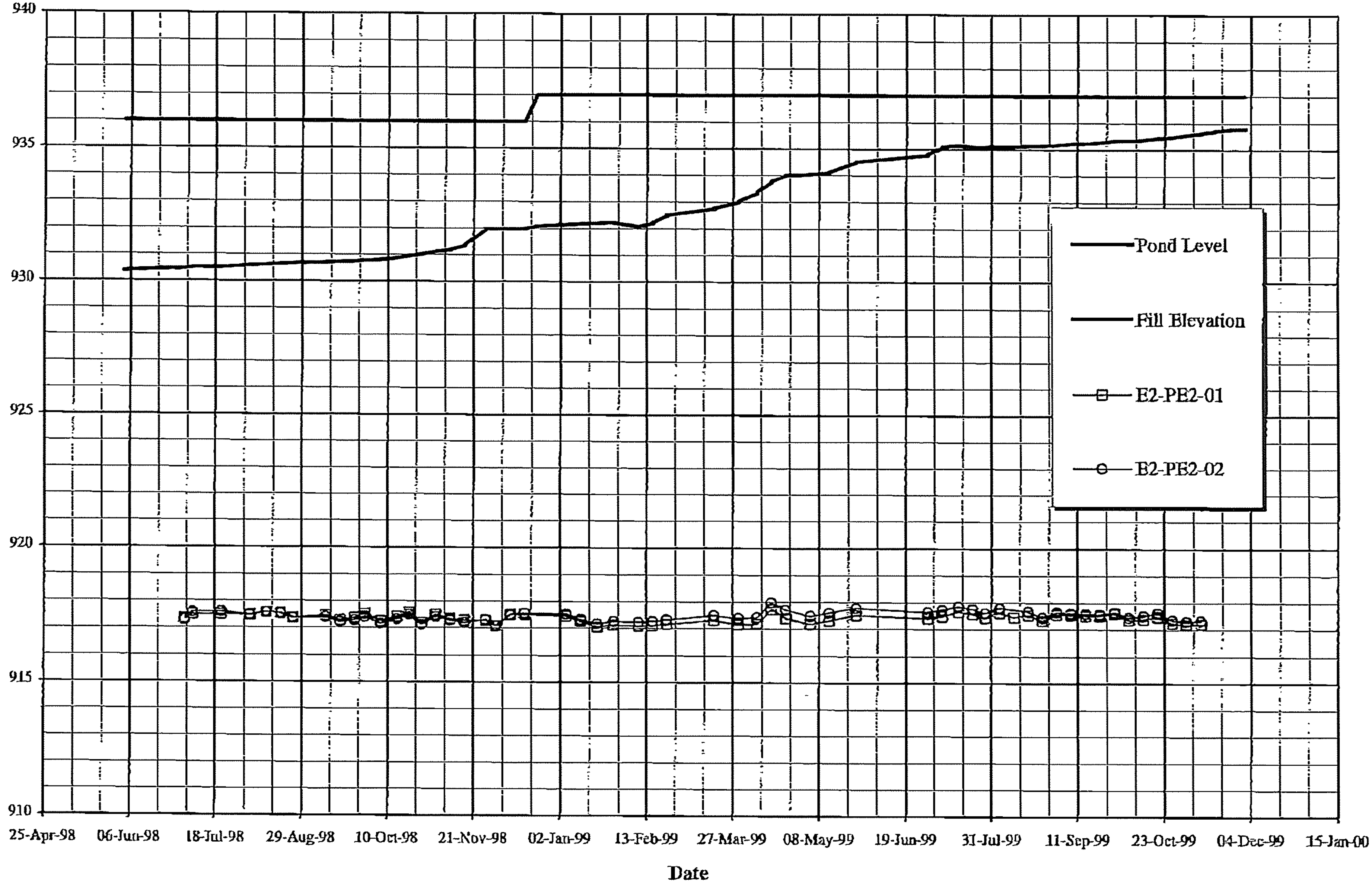

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FIGURE 5

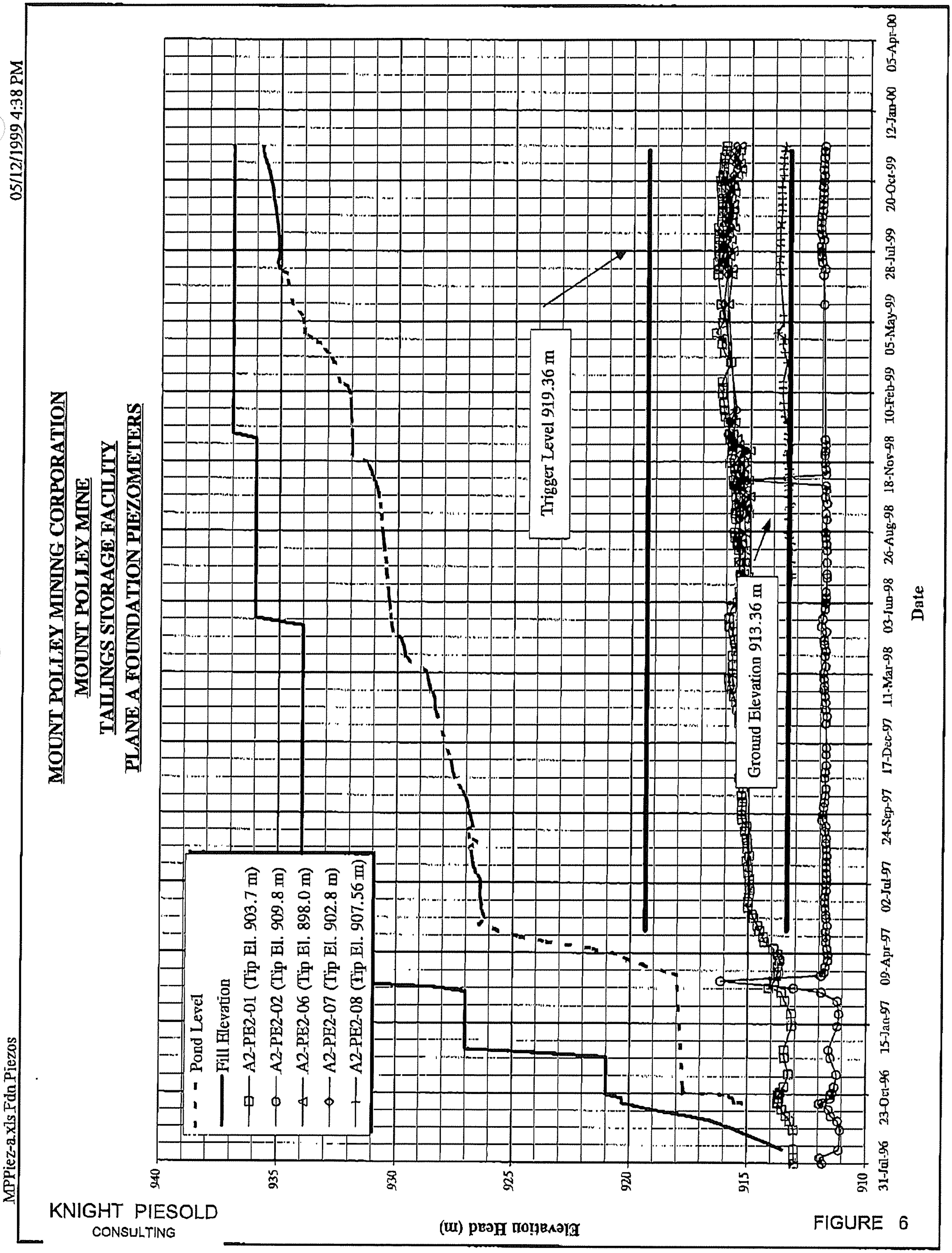
05/12/1999 4:38 PM
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS
Pond Level
Fill Elevation
A2-PE2-01 (Tip El. 903.7 m)
A2-PE2-02 (Tip El. 909.8 m)
A2-PE2-06 (Tip El. 898.0 m)
A2-PE2-07 (Tip El. 902.8 m)
A2-PE2-08 (Tip El. 907.56 m)
Trigger Level 919.36 m
Ground Elevation 913.36 m
Elevation Head (m)
Date
940
935
930
925
920
915
910
31-Jul-96
23-Oct-96
15-Jan-97
09-Apr-97
02-Jul-97
24-Sep-97
17-Dec-97
11-Mar-98
03-Jun-98
26-Aug-98
18-Nov-98
10-Feb-99
05-May-99
28-Jul-99
20-Oct-99
12-Jan-00
05-Apr-00
MPPiez-a.xls Fdn Piezos
KNIGHT PIESOLD
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FIGURE 6

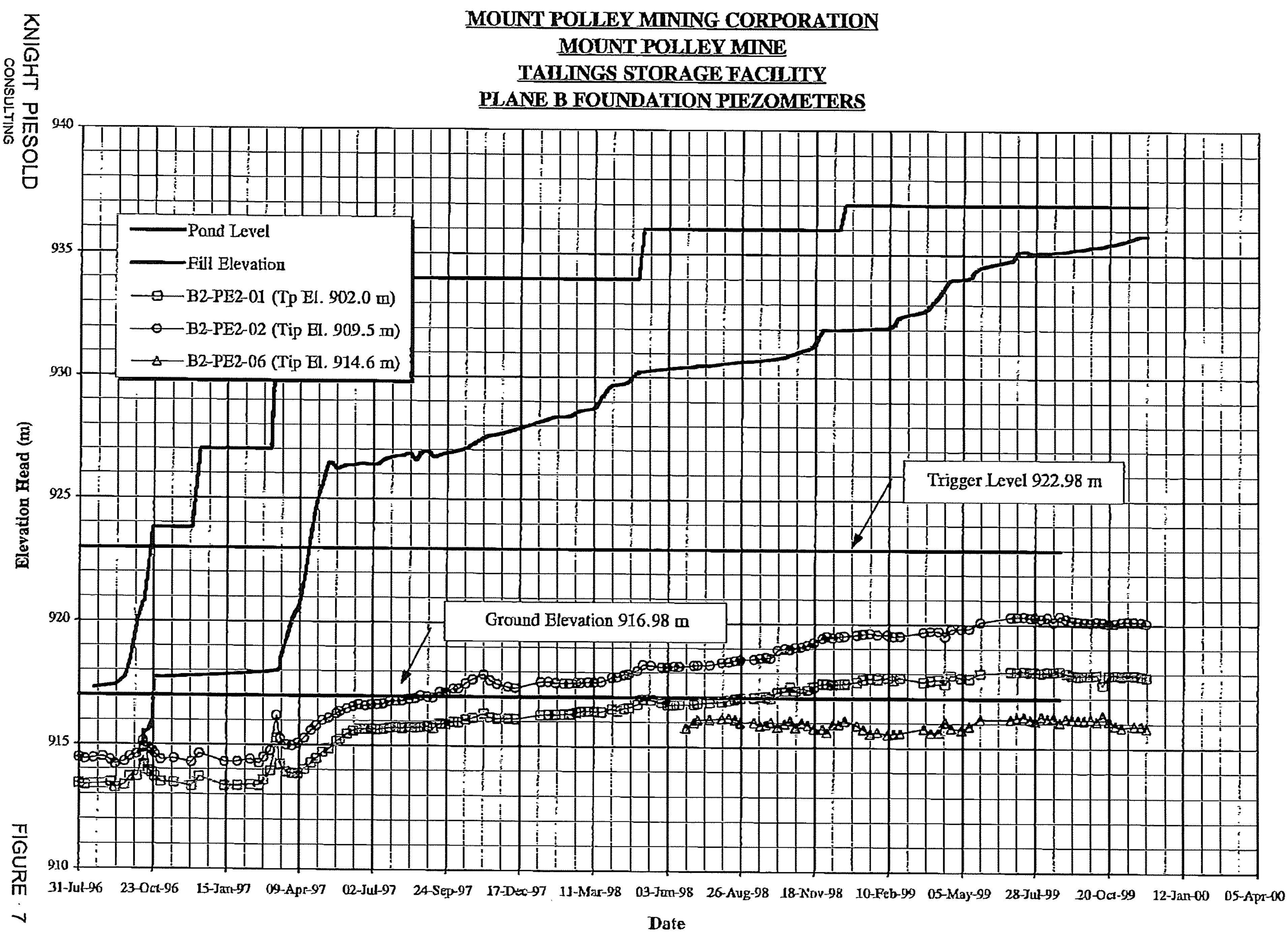

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FIGURE 7

MPPiez-c.xls Fdn Piezos

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS

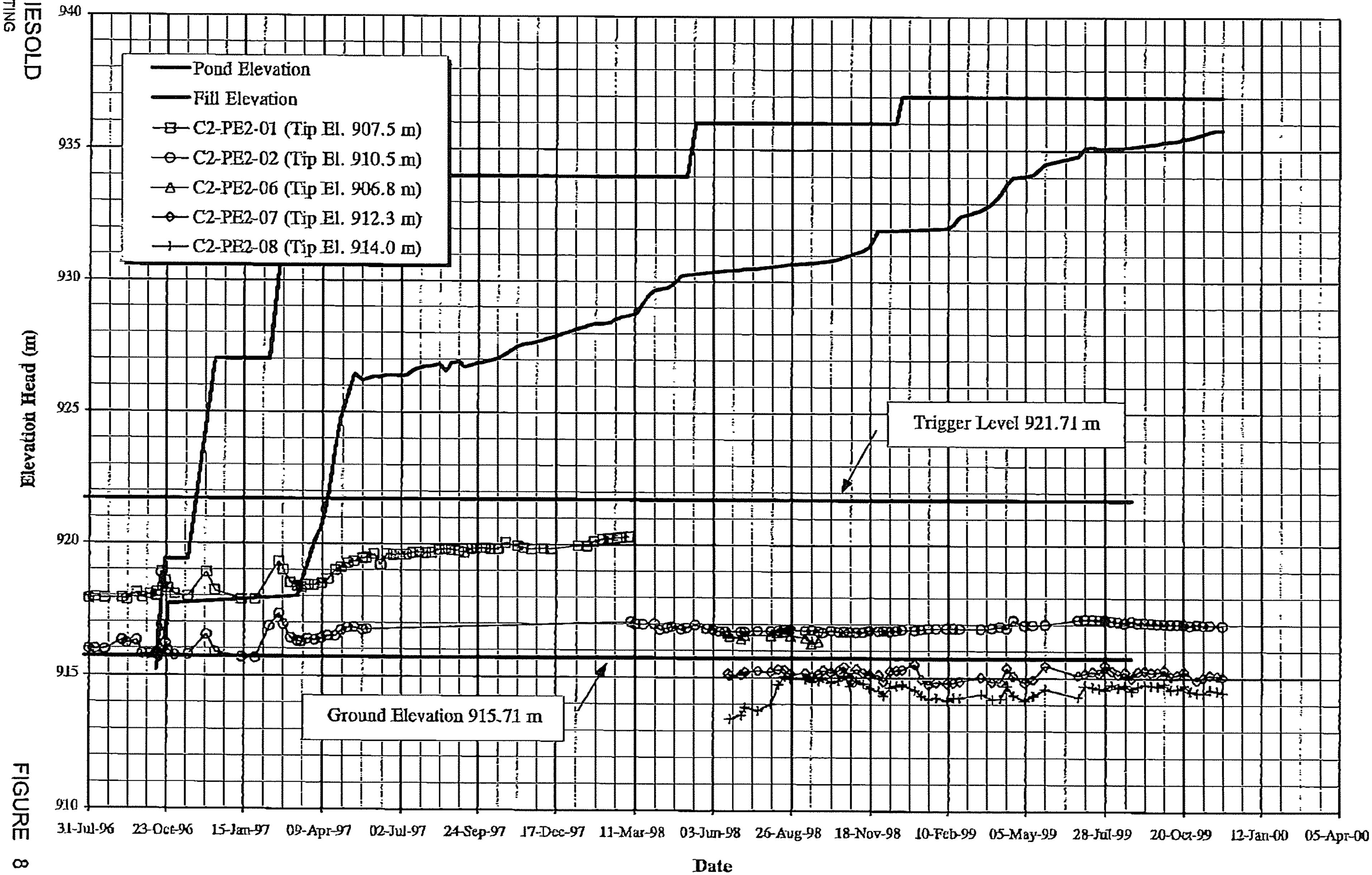

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FIGURE 8

MPPiez-d.xls fdn piezos

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

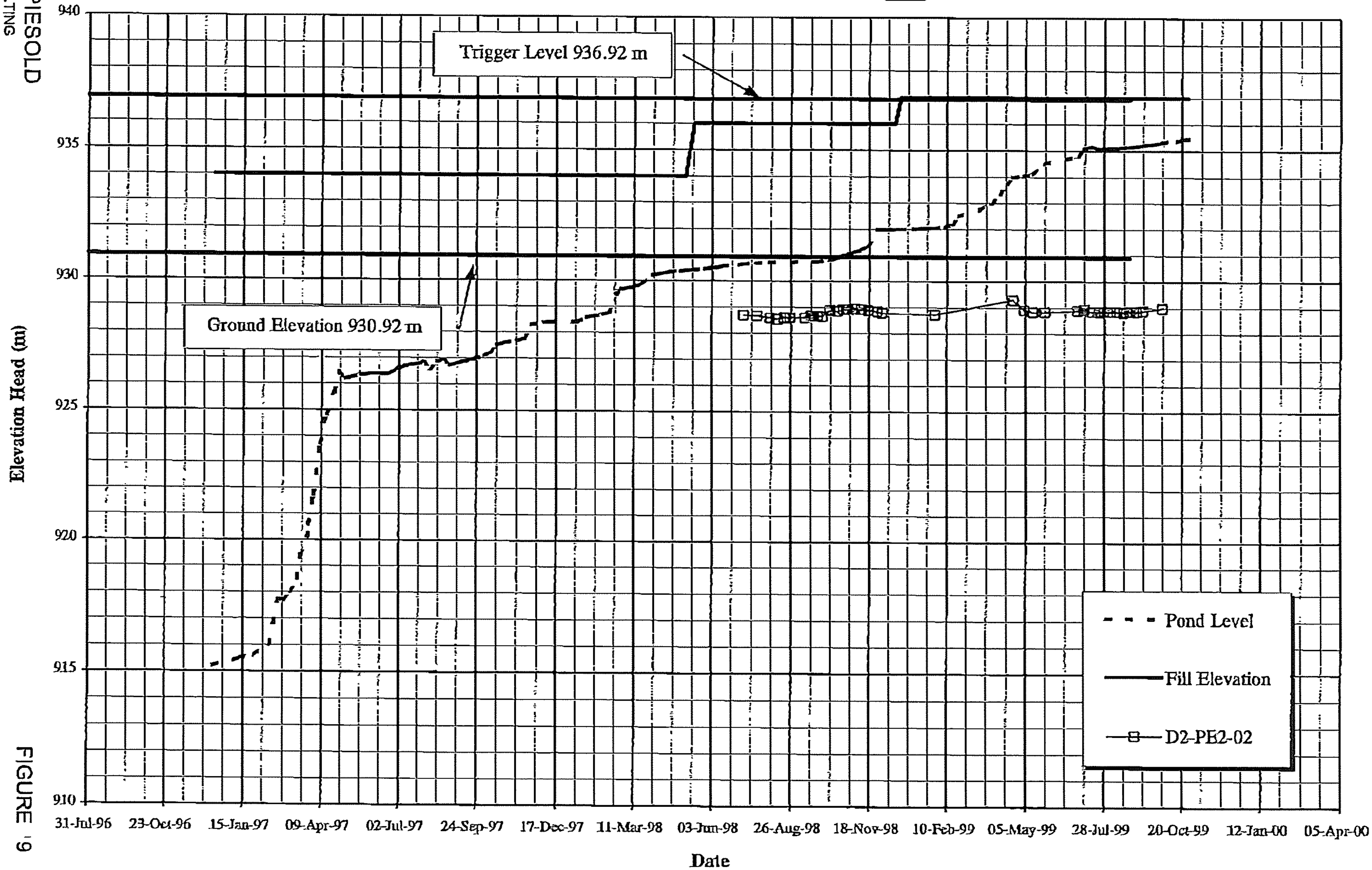

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FIGURE 9

MPPiez-e.xls Fdn Piezos

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS

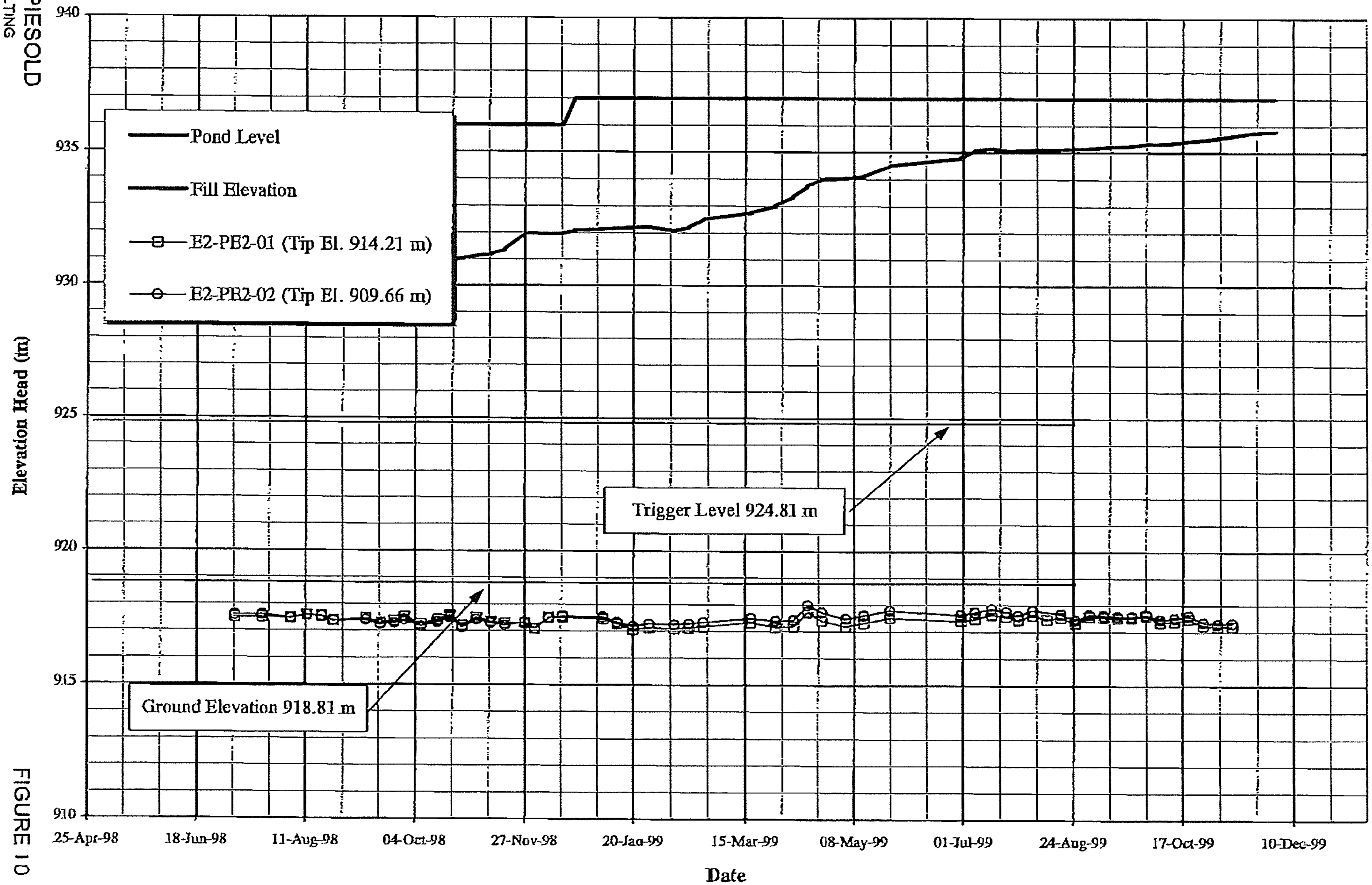

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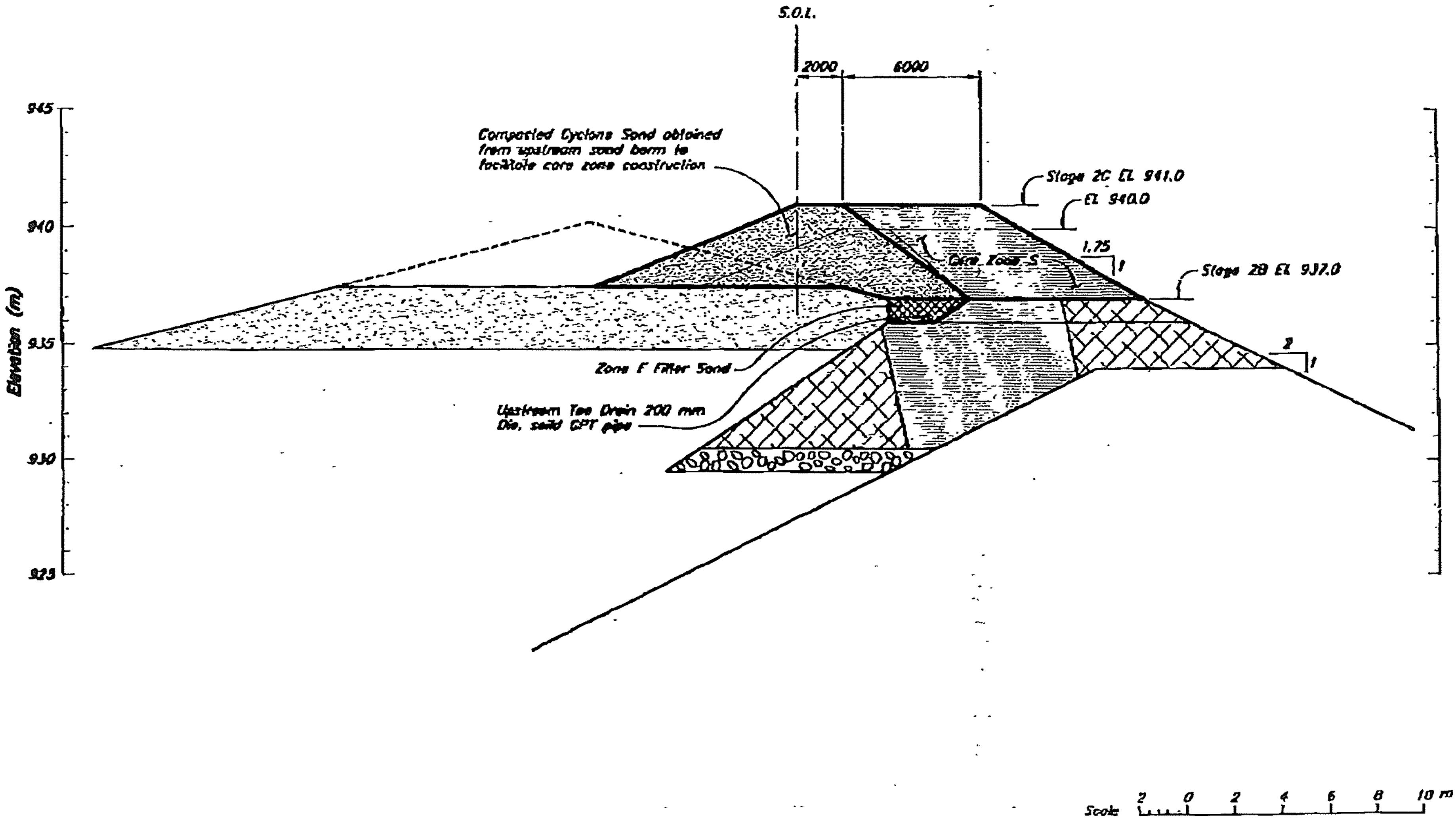
FIGURE 10



REV.	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	25NOV99	ISSUED FOR DESIGN CHANGE	MV	SC		KJB

REVISIONS

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

STAGE 2C CONSTRUCTION
MAIN EMBANKMENT
APPROX. CH 15+60 TO CH 26+80

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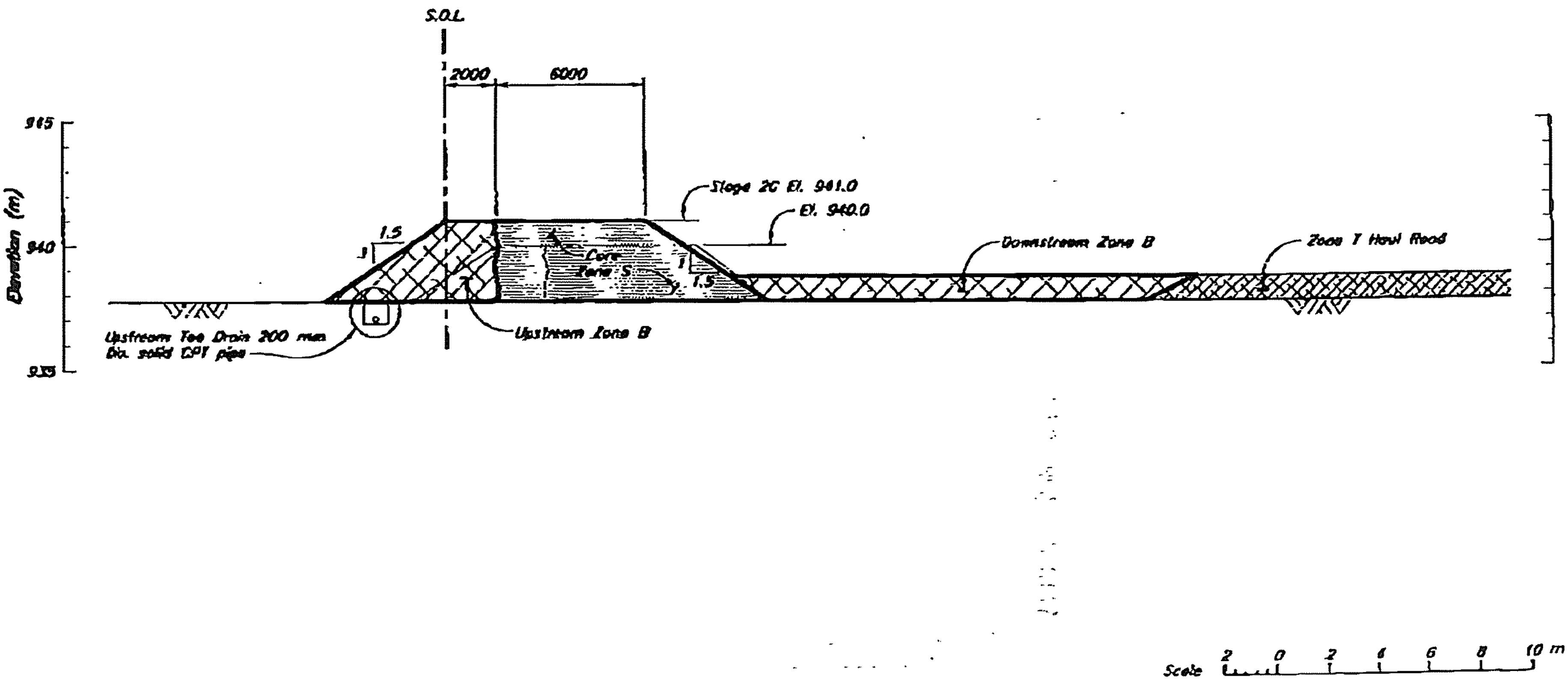
PROJECT NO.	REF. NO.	REV.
11162/10	-	0

FIGURE 1



MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

STAGE 2C CONSTRUCTION
MAIN AND PERIMETER EMBANKMENT
APPROX. CH 26+80 TO CH 32+00

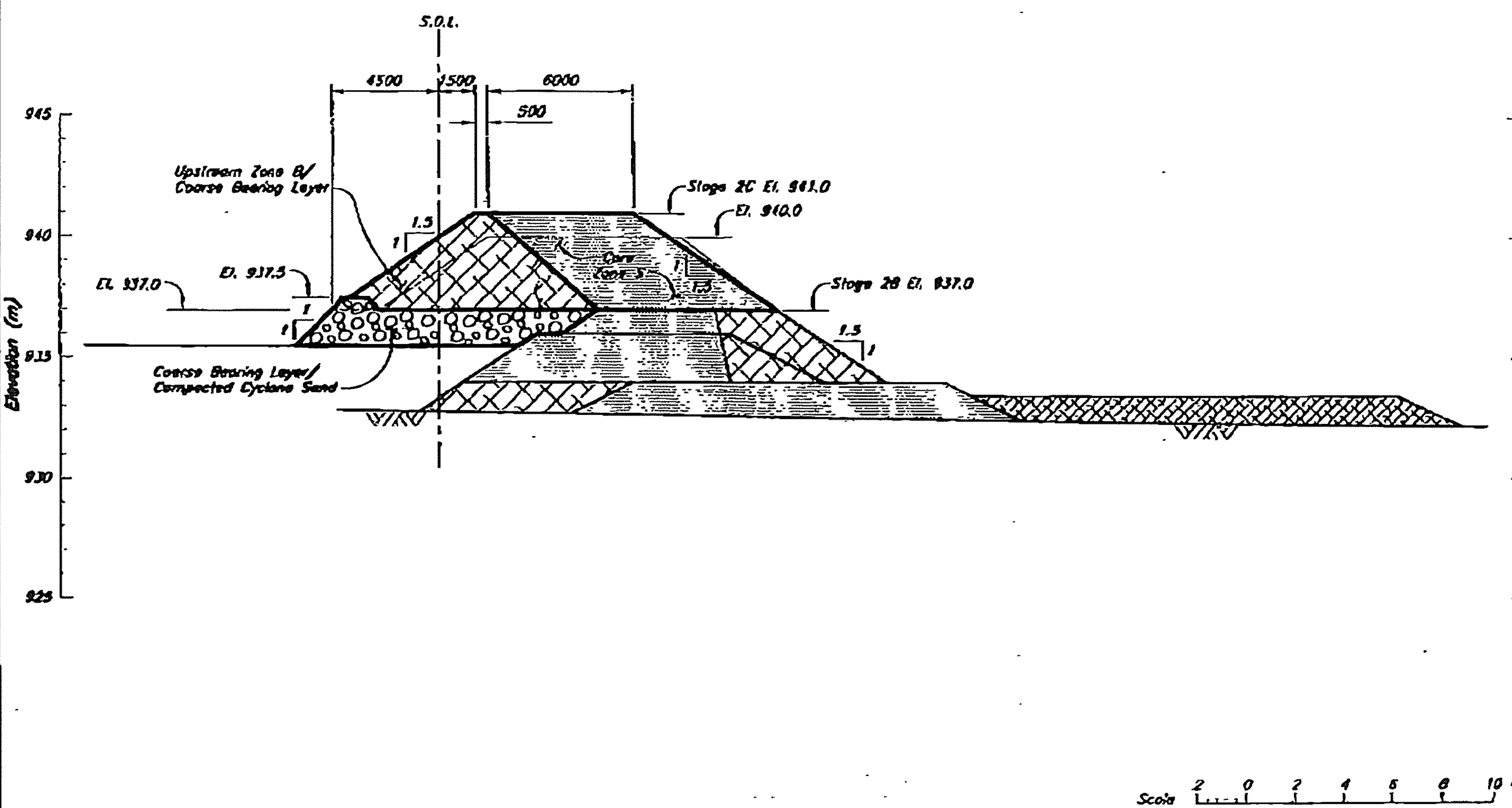
Knight Piésold CONSULTING

PROJECT NO.	REF. NO.	REV.
11162/10	–	0

FIGURE 2

REV.	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	25NOV99	ISSUED FOR DESIGN CHANGE				

REVISIONS



REVISIONS

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

STAGE 2C CONSTRUCTION
PERIMETER EMBANKMENT
APPROX. CH 32+00 TO CH 44+35

Knight Piésold CONSULTING

PROJECT NO. 11162/10 | REF. NO. - | REV. 0

FIGURE 3

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT Mount Polley Mining (1)

CC

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1NO

ATTN: Leon Gous - (250) 790-2268

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 11 NO. OF SPECIMENS 3 DATE RECEIVED 99.Nov.01 DATE CAST 99.Oct.27

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.03	7	102.0	204.0	203	0.00817	24.8	
B	Nov.24	28	102.0	204.0	292	0.00817	35.7	
C	Nov.24	28	102.0	204.0	296	0.00817	36.2	

SPEC. STRENGTH 20.00 MPa

CEMENT TYPE

CEMENT CONTENT kg/m³

AGGREGATE SIZE mm

ADMIXTURE

SUPPLIER

MIX NO. 20MPA

TRUCK NO.

TICKET NO

BATCH TIME

LOAD VOLUME m³

CUMULATIVE VOL. m³

CONCRETE TEMP °C

AIR TEMP °C

CAST TIME

CAST BY CLIENT

MOLD TYPE PLASTIC

SLUMP mm

AIR CONTENT %

DENSITY

PLASTIC kg/m³

HARDENED 2423 kg/m³

INITIAL CURING TEMP. MAXIMUM °C MINIMUM °C

LOCATION:
not given

COMMENTS:
Cylinders received in laboratory 5 days after cast date.

TEST METHOD: CSA CAN3 A23.2 UNLESS OTHERWISE NOTED END OF REPORT

A B C D E F

** TYPE OF FAILURE - REQ D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

PER YN

Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of the test results is provided only on written request.

MTPO BINDER

Knight Piésold
CONSULTING

Knight Piésold Ltd.
1400 - 750 West Pender St.
Vancouver, BC V6C 2T8
CANADA
Tel: +1 (604) 685-0543
Fax: +1 (604) 685-0147
Fax: +1 (604) 687-2203

DATE:	November 23, 1999	**FILE NO:**	11162/10.01
TIME:	10:45 am	**REF. NO.:**	9/2748 (99-039)
OPERATOR:		**PAGES:**	1 of 44
SENDER:	Ian Manning	**APPROVED:**	

TO:	MPMC	**FAX:**	
ATTN:	Don Parsons, Eric LeNeve	**cc:**	George Headley (Min. of Energy and Mines)
SUBJECT:	Mount Polley Progress Report No. 6		

Dear Don and Eric,

Please find attached Progress Report No. 6, for Mount Polley Stage 2C Construction. This document is for the reporting period November 1 to 15, 1999.

Best regards,

Ian Manning

Knight Piésold Ltd.

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 6
NOVEMBER 1 TO 15, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ian Manning (IBM), Project Engineer (On-Site November 1 to 9)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions over the reporting period were generally mixed. From November 1 to 5, temperatures were below freezing, with snow on November 3. The remainder of the reporting period generally followed a warming trend, with mostly overcast skies and occasional showers.

1.3 DESIGN AND CONTRACT DEVELOPMENTS

IBM and Eric LeNeve (MPMC) discussed a possible Stage 2C design modification, for the embankment to be constructed to crest El. 940.5m or 941m (current Stg. 2C design for El. 940m).

There were no contractual issues brought to the attention of Knight Piésold over the reporting period.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Cycloning operations for 1999 were terminated on October 19. Since that time, bulk tailings have been point-discharged from the upper dump valve at the northwest corner of the tailings facility. Following Stage 2C construction, a tailings pipeline system will be re-instated along the embankments. Bulk tailings will be strategically discharged from the upstream embankment crests, to promote the development of adequate beaches adjacent to the embankments, and to control the positioning of the supernatant pond.

Cycloned sand and Coarse Bearing Layer materials were placed along the upstream face of the Perimeter embankment during the reporting period. These materials were keyed into the upstream cycloned sand berm (El. 940m) along the Main embankment. As of November 13, a minimum embankment elevation of 937.5 metres had been established along the Perimeter embankment, which provides incremental storage capacity until the end of December 1999, plus freeboard for both PMP storage and the 1.0 metre wave run-up. On-going Stage 2C construction activities will continue to raise the dam crest over the next several weeks. The final Stage 2C embankment configuration will provide incremental storage capacity and the required freeboard through year 2000 operations.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

The following activities were carried out by MPMC and Peterson Contracting over the reporting period:

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Stage 2C Embankment Construction

- Preparation work was carried out within Borrow Area #2, with wasting of all saturated till materials.

- Zone B & S surface preparation (wasting of saturated upper layer of till material) carried out prior to placement of additional lifts.

- Zone B & S fill placement and compaction was carried out from November 1 to 3. Work was carried out along the Perimeter embankment from CH 28+00 to CH 28+60 (lift #3), and from CH 30+85 to CH 32+05 (lift #4).

- Dozer work was carried out by MPMC to spread the cycloned sand piles along the upstream Main and Perimeter embankments.

- MPMC excavator dug ditch between Perimeter embankment crest and u/s cycloned sand piles, to promote drainage of cycloned sand. A pump was installed within trench to drain collected water.

- MPMC dozer work was carried out along the Stage 2B Main embankment crest, to remove contaminants and re-establish a clean till contact for Stage 2C till placement. During this work, the water return pipeline from the M.E. seepage collection pond was ruptured immediately u/s of the Stage 2B core zone. The pumps were promptly shut off, but the pipe still requires removal prior to Stage 2C fill placement.

- MPMC excavator work was carried out to remove unsuitable materials from the Main embankment left abutment crest, which had previously been placed to control rutting.

- Placement of Coarse Bearing Layer rockfill along the upstream Perimeter embankment, within areas not covered by 1999 cycloning operations. Over the reporting period, this work was carried out from November 3 to 13, and continued again on November 16. Night shift rockfill placement began in addition to dayshift operations on November 9.

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Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	655	3,935	65,000	6.1
B (till)	2,625	16,945	32,000	53.0
CBL (rockfill)	25,000	25,000	18,600 *	est. 80 *
F (filter sand)	2,300	2,300	2,300	100.0

Note: Fill volumes required for Stage 2C construction have been updated to include for the Perimeter embankment upstream CBL and Zone CS/B design change. Actual CBL volumes have exceeded estimated requirements due to large tailings displacement during placement; CBL percent completion has therefore only been estimated.

Cone Penetration Testing

- ConeTec Investigations and Mud Bay Drilling were on-site from November 2 to 4. Cone penetration testing (CPT), including seismic shear wave measurements and pore pressure dissipation tests were carried out along the upstream Main and Perimeter embankment cycloned sand piles, as well as within the downstream Trial Berm area. A total of 23 holes were pushed, with 9 holes within the d/s Trial Berm, and 7 holes u/s of each the Main and Perimeter embankments.

- Prior to CPT testing, MPMC created access onto the u/s Main and Perimeter embankment cycloned sand piles for the track-mounted drill rig and ConeTec truck.

Miscellaneous

- Grader work was carried out along TSF access roads.

- Surveyor picked up all CPT test hole locations, as well as the previously installed Main embankment u/s toe drain piezometer A1-PE1-04.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Stage 2C Embankment Construction

- Nuclear densometer record testing was carried out on all placed and compacted Zone B and S materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Maximum Dry Density (SMDD), and 95% SMDD for Zone S core material. Densometer testing confirmed that the required compaction specifications were achieved.

Miscellaneous

- Progress Report No. 5 was issued for the reporting period October 16 to 31, 1999.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

- Planes D and F piezometers within downstream trial berm, and the new Plane A piezometer A1-PE1-04 were monitored, and the piezometer plots were updated. Planes D and F d/s trial berm piezometer plots were forwarded to KP Vancouver for inclusion into the Stage 3 design report.

- IBM oversaw the Cone Penetration Testing program from November 2 to 4.

- IBM assisted MPMC tailings operator with pumping water from the non-perforated u/s toe drain trench, prior to backfilling portion with Zone F filter sand.

- Lab summary tables were updated for Zone S Control and Record testing carried out over the reporting period.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

The Perimeter Embankment instrumentation Planes D and F piezometers within the downstream cycloned sand trial berm were monitored by Knight Piésold, and are presented on Figures 1 to 10. As shown on these plots, piezometric pressures are still dissipating marginally and indicate virtually drained conditions following completion of the cycloned sand deposition within the downstream trial area on 19-Oct-99.

MPMC representatives read all other active TSF piezometers on November 3, 10 and 17. The following observations are based on the summary data shown on Figures 11 to 20.

- Foundation Piezometers
  All foundation piezometers have generally remained static and have not reacted to placement of upstream Zone CS material.

- Fill Piezometers
  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) have increased, likely as a result of Zone CS placement. The remainder of the piezometers placed in the engineered fill have remained relatively static.

- Drain Piezometers

All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers

  Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level, while the tailings piezometers at Plane A have reacted to the placement of Zone CS material.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in Spring 2000, to continue monitoring of all foundation drain flows. Measured foundation drain flows are summarized on Table 1.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. The flows, summarized on Table 2 and Figure 21, increased during the first phase cycloned sand deposition within the downstream trial berm, and began dissipating prior to completion of cycloned sand discharge.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) has not been monitored this season due to a break in the pipe. The pipe will be repaired in the future and readings will recommence.

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3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

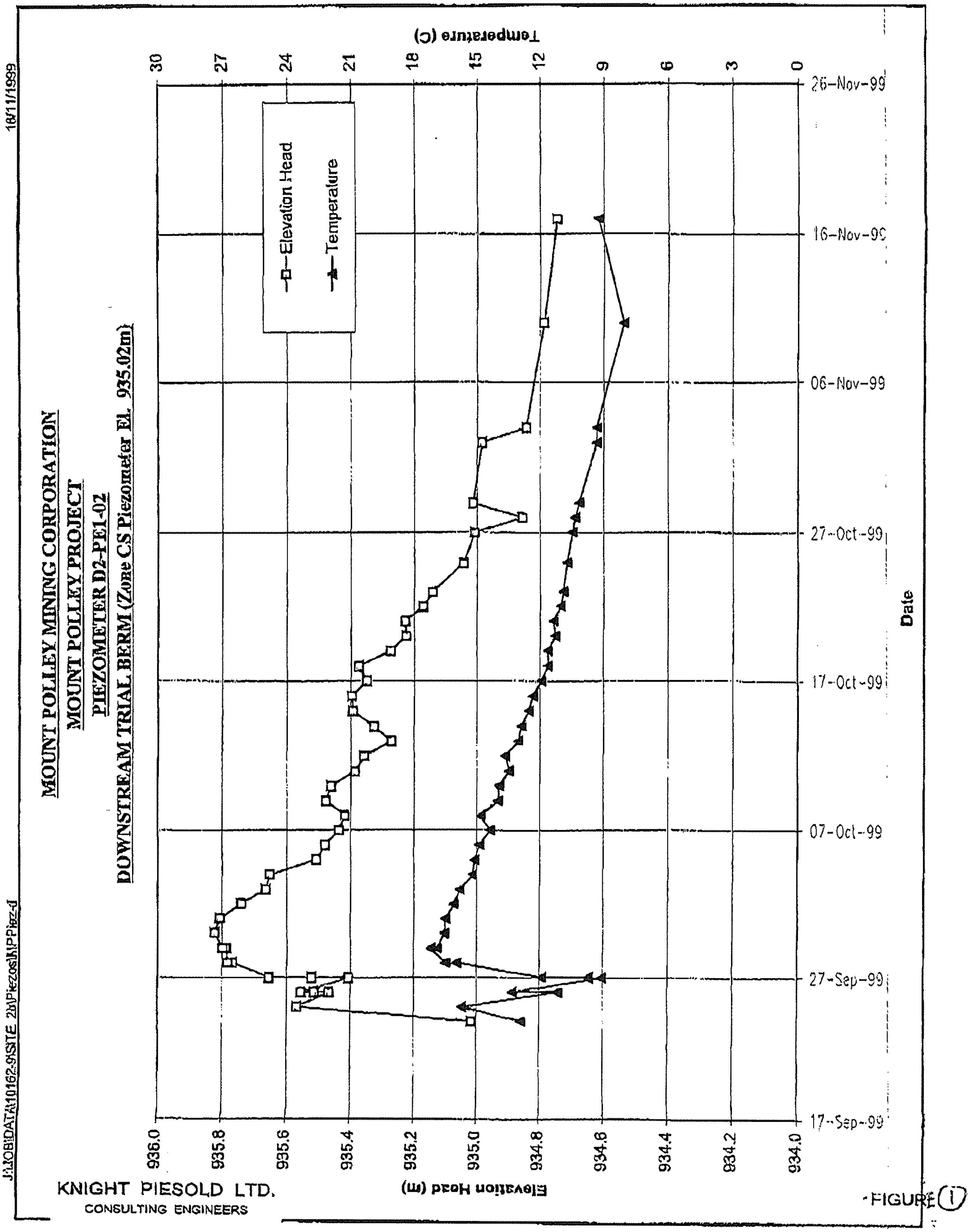
Ten (13) concrete test cylinders were previously cast during backfilling of the Main and Perimeter embankment outlet pipe trenches. These cylinders were delivered to the MTS laboratory for compressive strength testing after periods ranging from 3 to 28 days. Test results for four (4) samples were received over the previous reporting period. Test results for seven (7) additional samples were received over this reporting period, with results indicating that the design objectives are being exceeded.

Over the reporting period, Zone S record sample R/ZS-2 was collected from the lift #4 Perimeter embankment at CH 31+38. This sample was sent to MTS for laboratory testing. In addition, -#4 material from previously collected samples C/ZS-1 and 2 were also sent to MTS for Atterburg limits testing. Over the reporting period, lab test results were received from MTS Testing for samples C/ZS-1, 2 as well as R/ZS-1, and 2. All materials were all found suitable for Zone S or B till construction materials.

Submitted by,

Ian Manning
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver


18/11/1999
J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-d
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 935.02m)
Elevation Head
Temperature
Temperature (C)
30
27
24
21
18
15
12
9
6
3
0
Elevation Head (m)
936.0
935.8
935.6
935.4
935.2
935.0
934.8
934.6
934.4
934.2
934.0
Date
26-Nov-99
16-Nov-99
06-Nov-99
27-Oct-99
17-Oct-99
07-Oct-99
27-Sep-99
17-Sep-99
KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS
FIGURE (1)

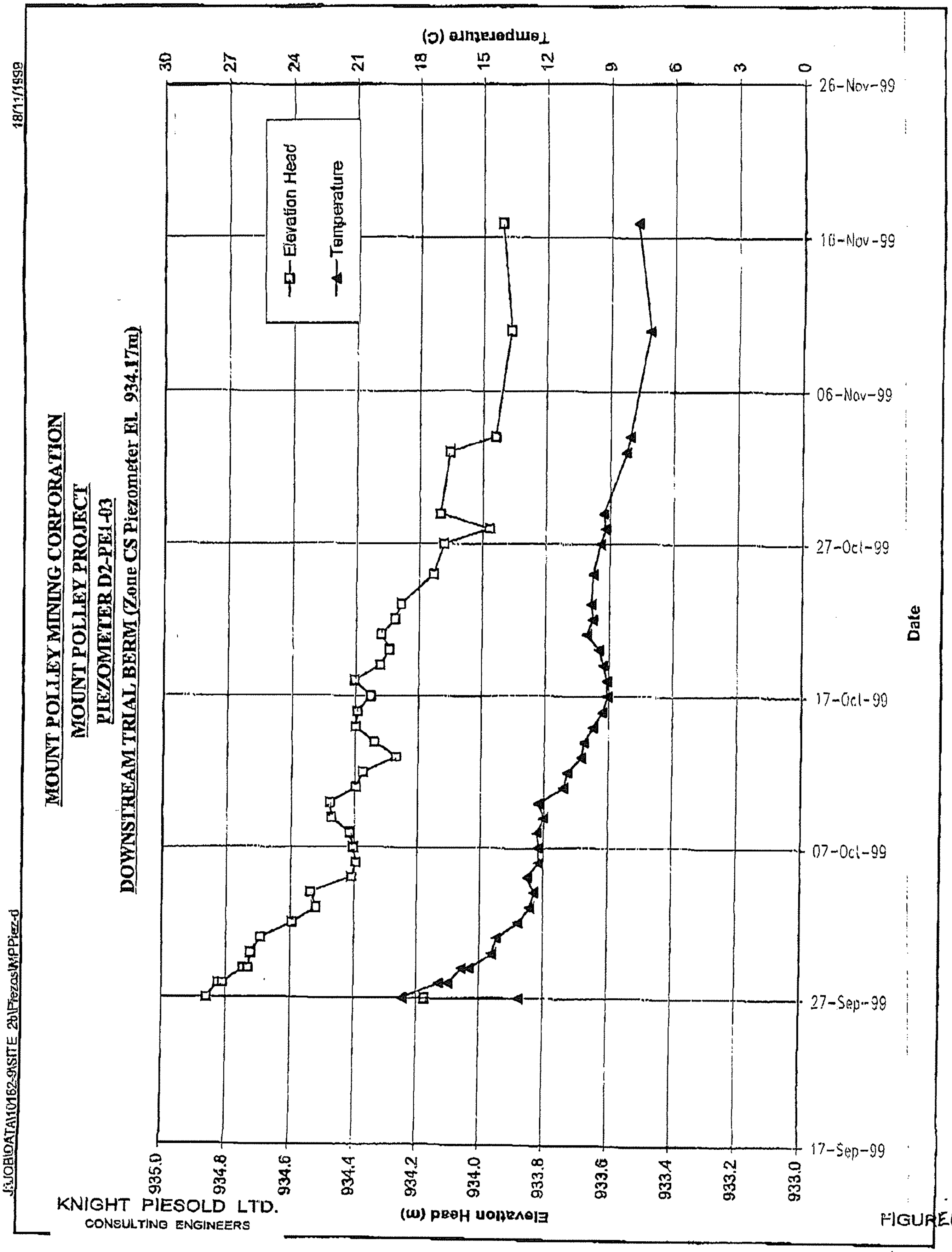
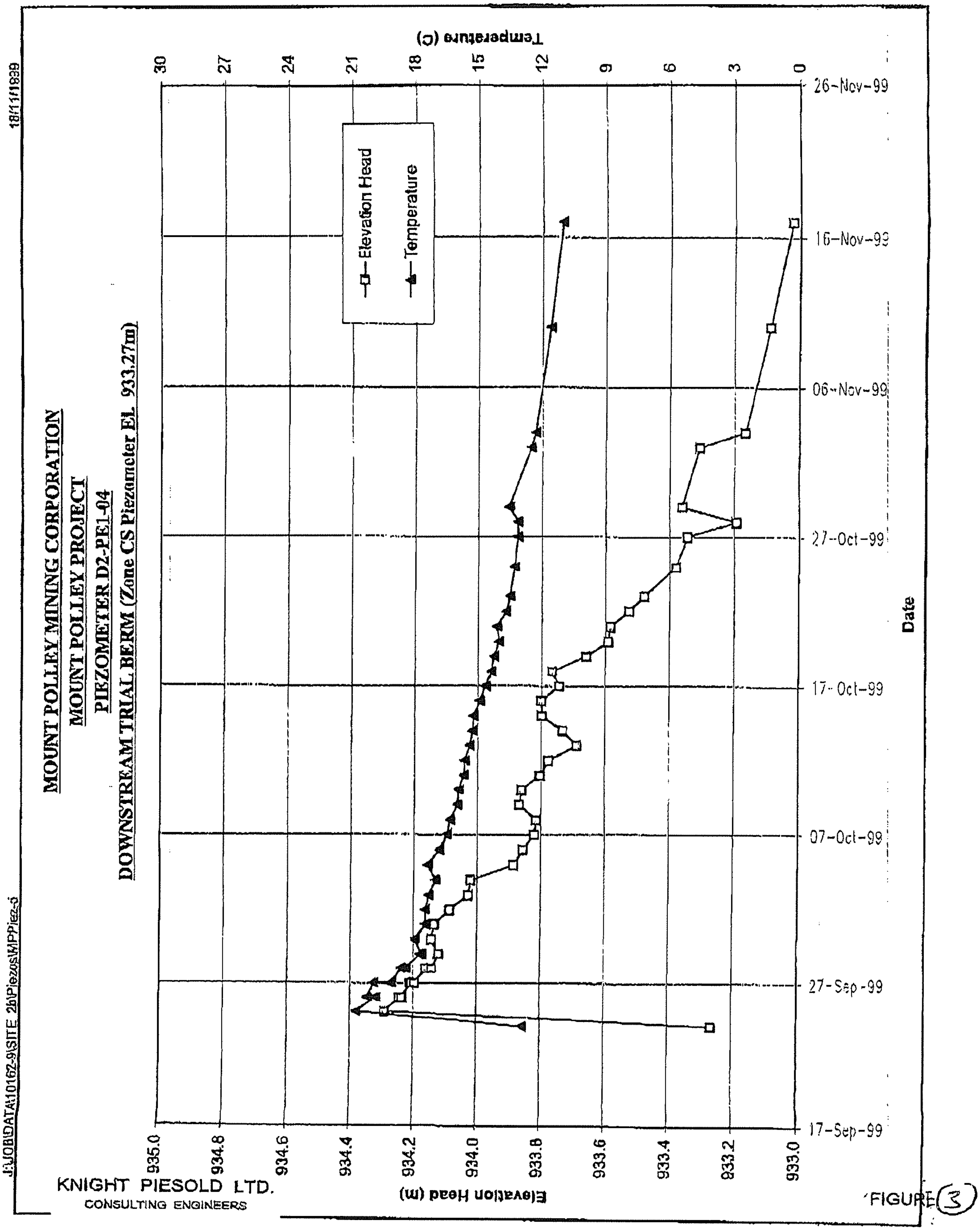

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-03
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 934.17m)
Elevation Head
Temperature
Temperature (C)
30
27
24
21
18
15
12
9
6
3
0
Elevation Head (m)
935.0
934.8
934.6
934.4
934.2
934.0
933.8
933.6
933.4
933.2
933.0
Date
17-Sep-99
27-Sep-99
07-Oct-99
17-Oct-99
27-Oct-99
06-Nov-99
16-Nov-99
26-Nov-99
18/11/1999
J:\JOB\DATA\1\0162-9\SITE 2b\Piezos\MPPiez-d
KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

FIGURE 2


MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-04
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 933.27m)
Elevation Head
Temperature
Temperature (C)
Elevation Head (m)
Date
26-Nov-99
16-Nov-99
06-Nov-99
27-Oct-99
17-Oct-99
07-Oct-99
27-Sep-99
17-Sep-99
935.0
934.8
934.6
934.4
934.2
934.0
933.8
933.6
933.4
933.2
933.0
30
27
24
21
18
15
12
9
6
3
0
18/11/1999
J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-3
KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS
FIGURE 3

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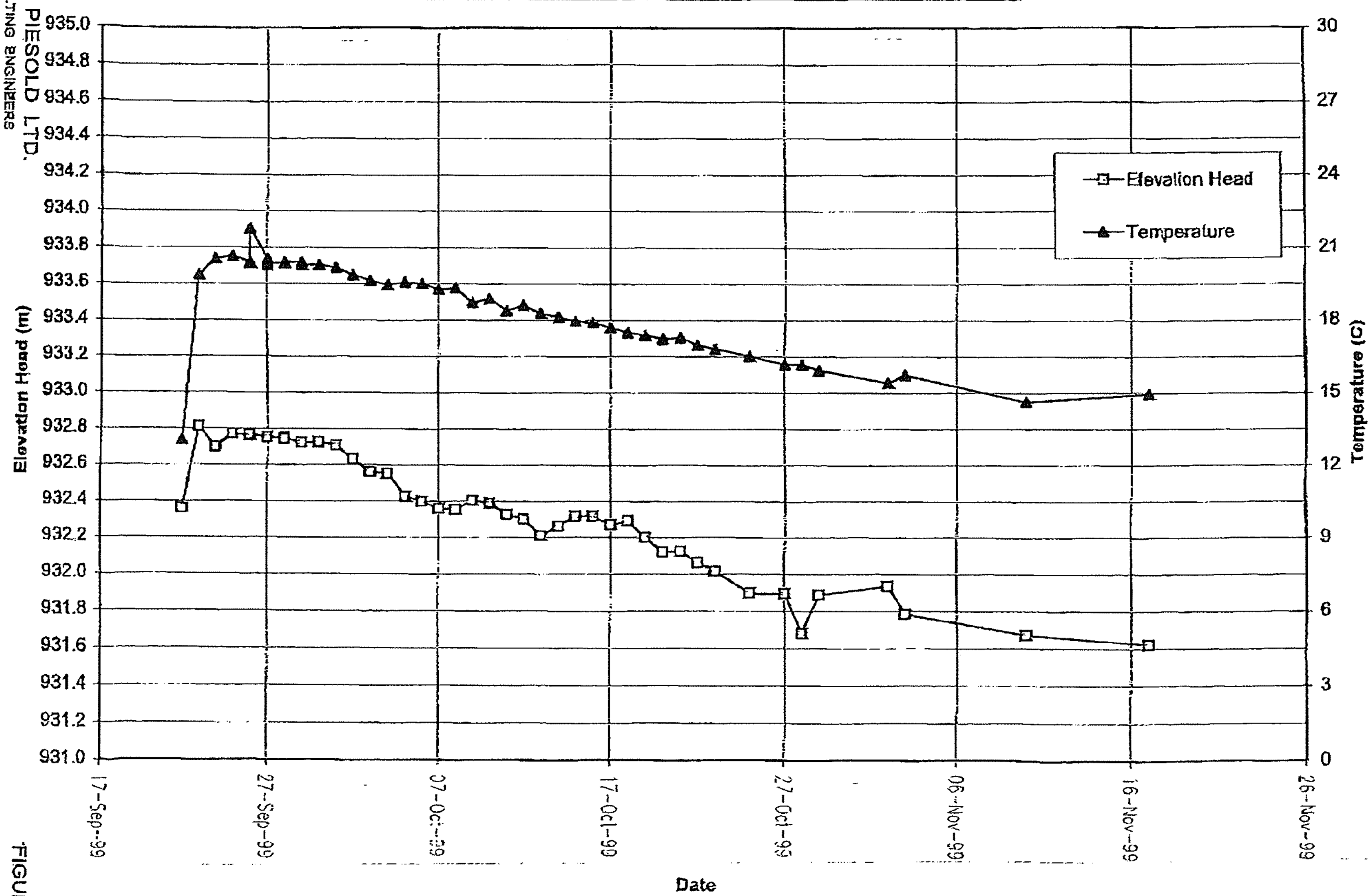
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 932.36m)



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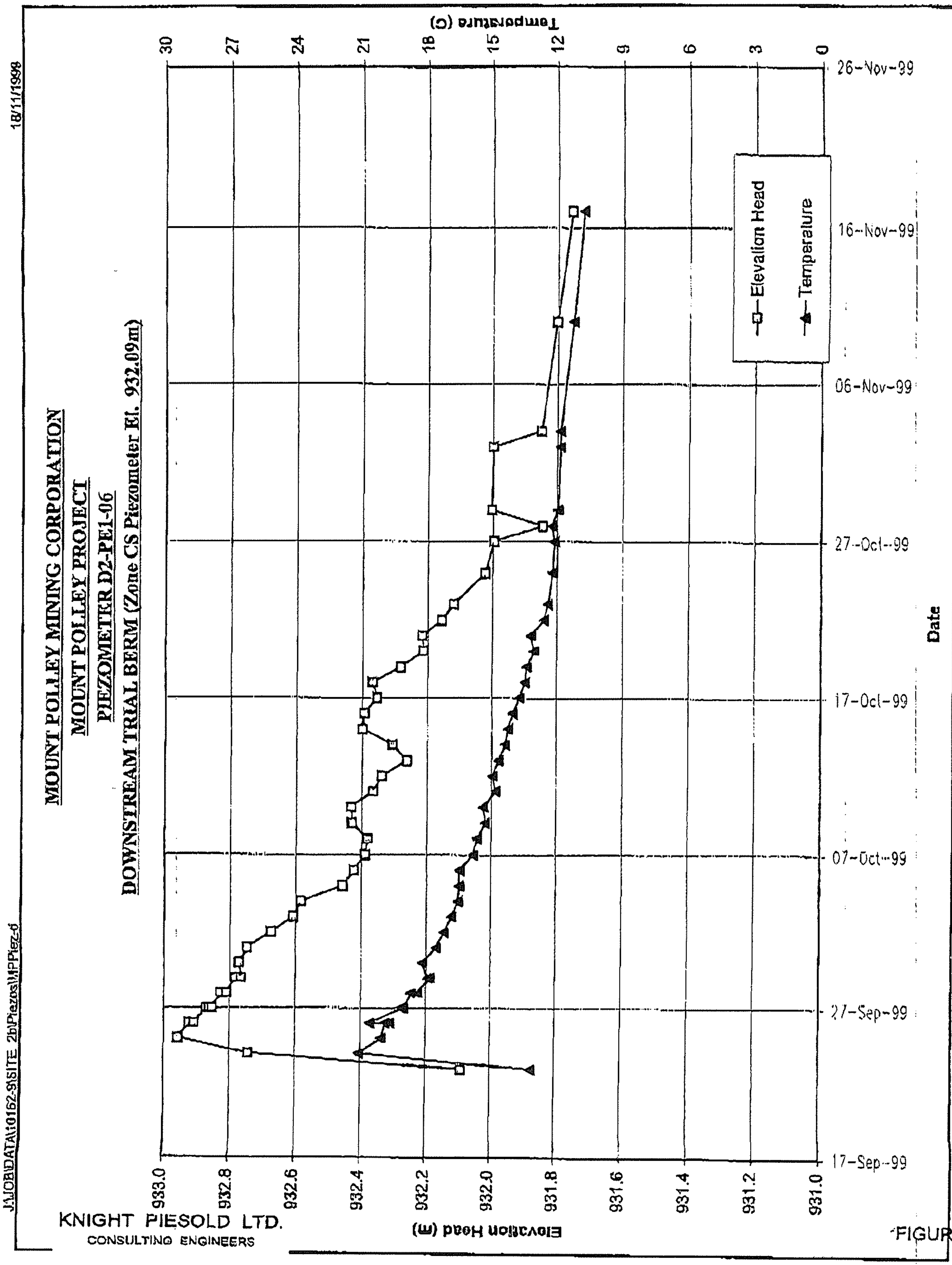
CONSULTING ENGINEERS

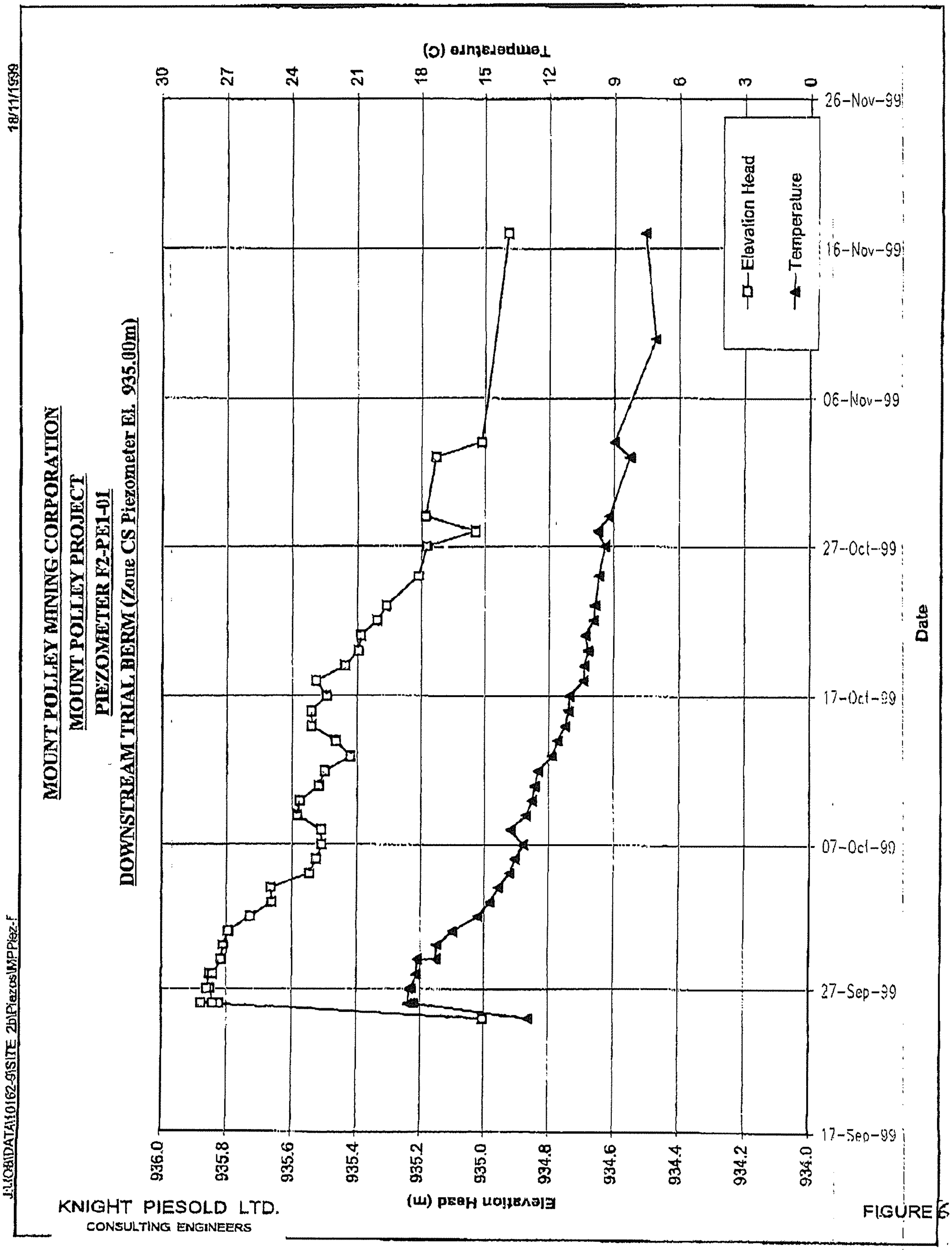
FIGURE (4)



MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-06
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.09m)

KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

FIGURE 5


18/11/1999
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-01
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 935.00m)
Temperature (C)
30
27
24
21
18
15
12
9
6
3
0
Elevation Head
Temperature
26-Nov-99
16-Nov-99
06-Nov-99
27-Oct-99
17-Oct-99
07-Oct-99
27-Sep-99
17-Sep-99
Date
936.0
935.8
935.6
935.4
935.2
935.0
934.8
934.6
934.4
934.2
934.0
Elevation Head (m)
J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-F
KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS
FIGURE 6

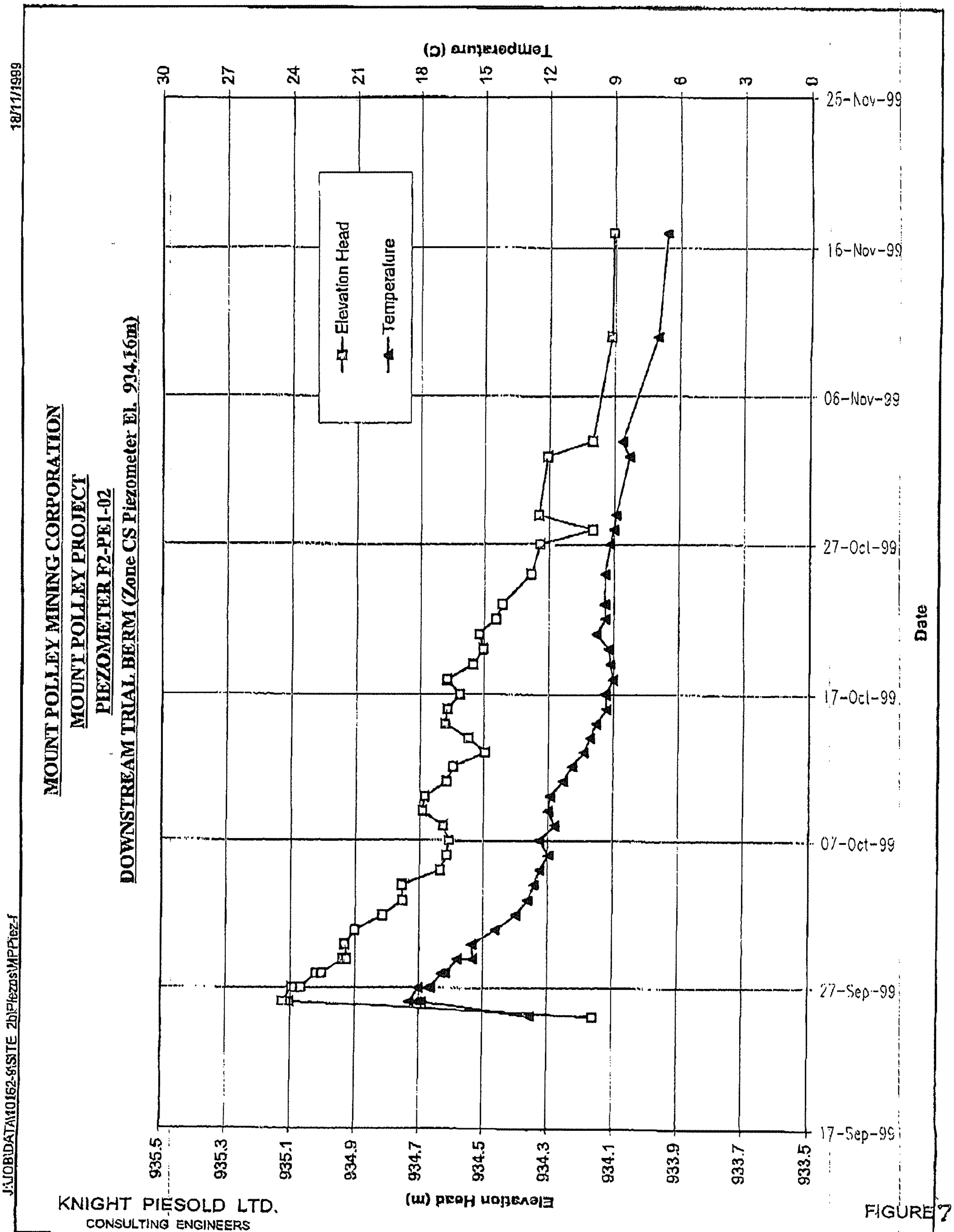

18/11/1999
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 934.16m)
Elevation Head
Temperature
Temperature (C)
30
27
24
21
18
15
12
9
6
3
0
Elevation Head (m)
935.5
935.3
935.1
934.9
934.7
934.5
934.3
934.1
933.9
933.7
933.5
17-Sep-99
27-Sep-99
07-Oct-99
17-Oct-99
27-Oct-99
06-Nov-99
16-Nov-99
25-Nov-99
Date
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FIGURE 7

K:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-f

18/11/1999

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

PIEZOMETER F2-PE1-03

DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 933.28m)

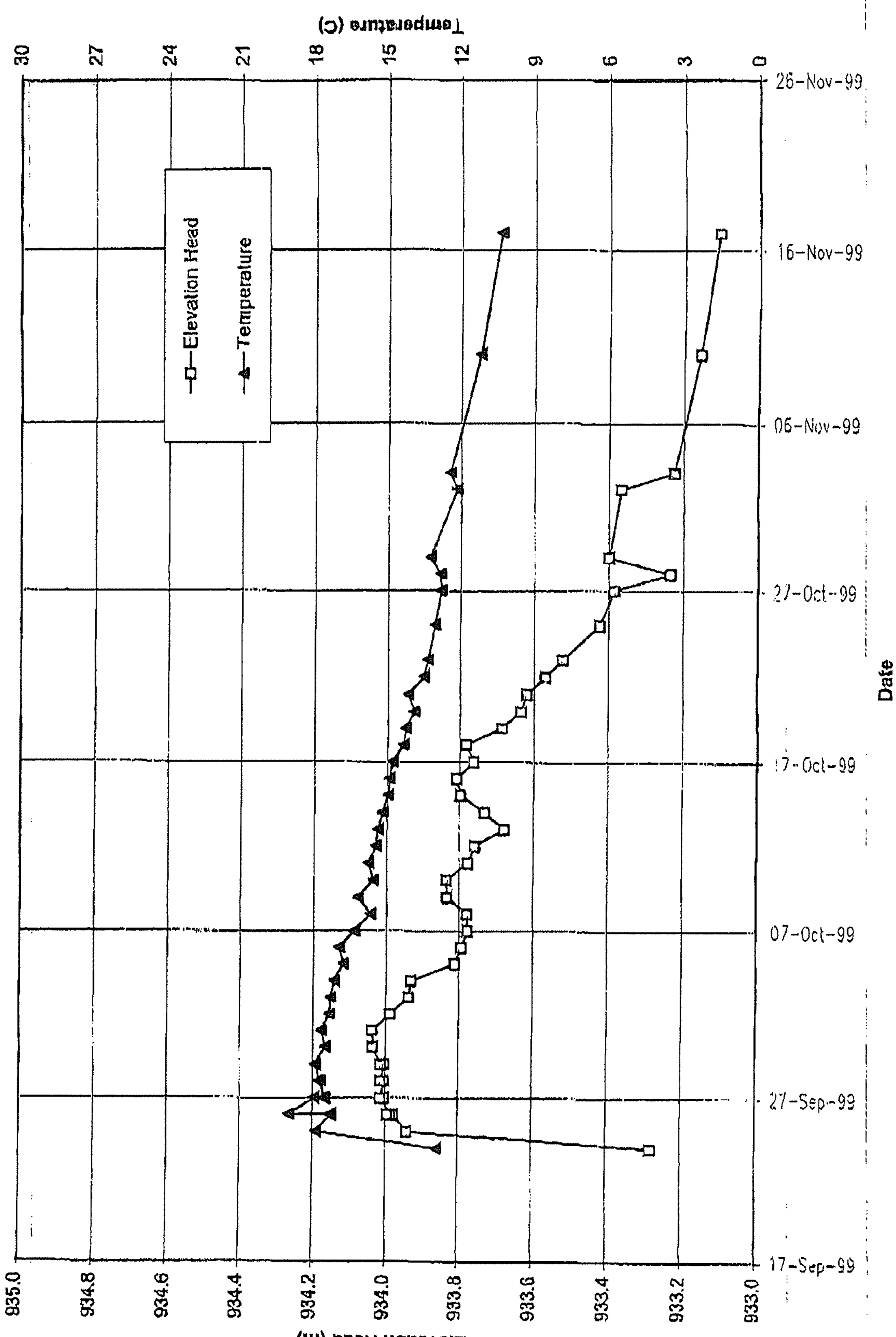

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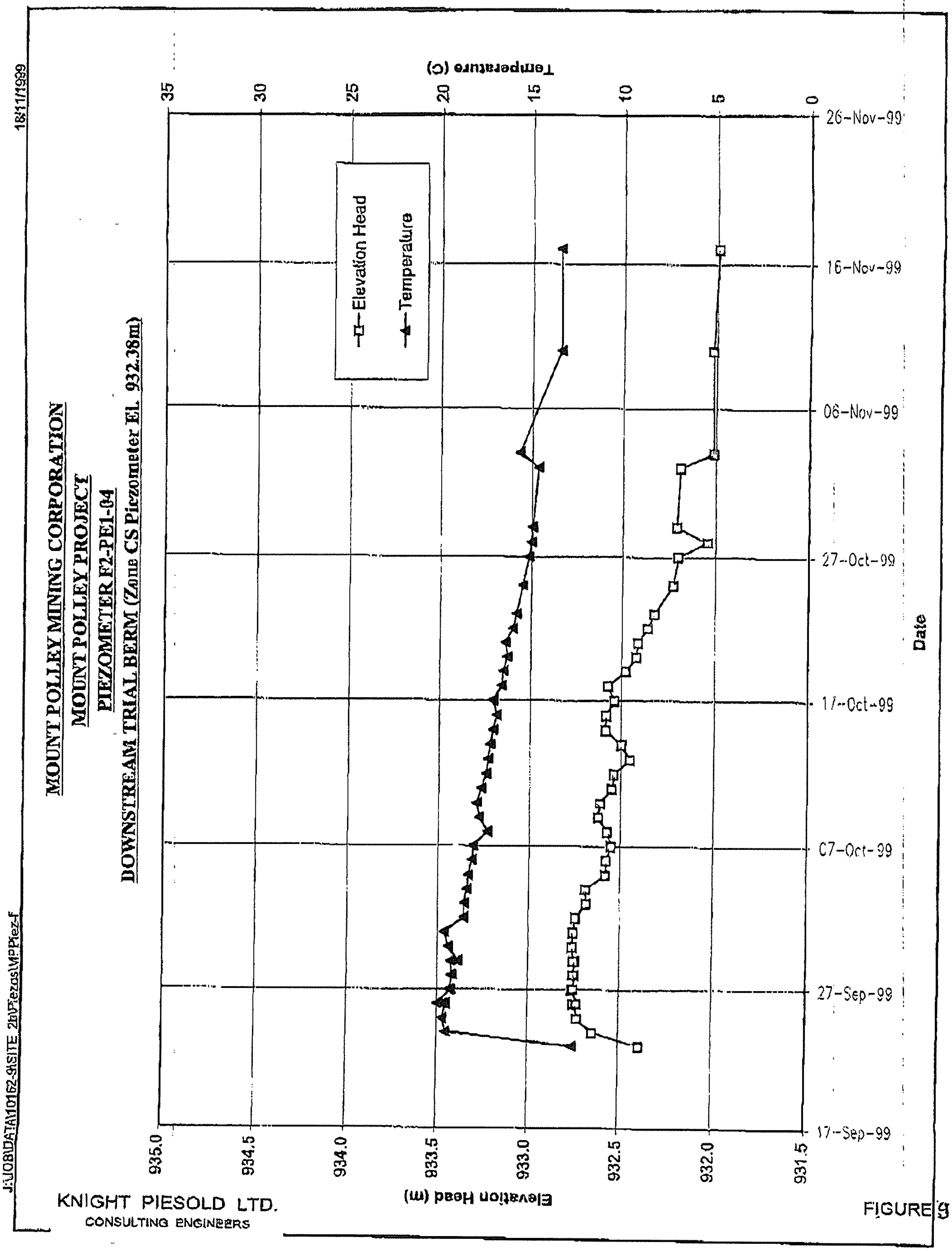
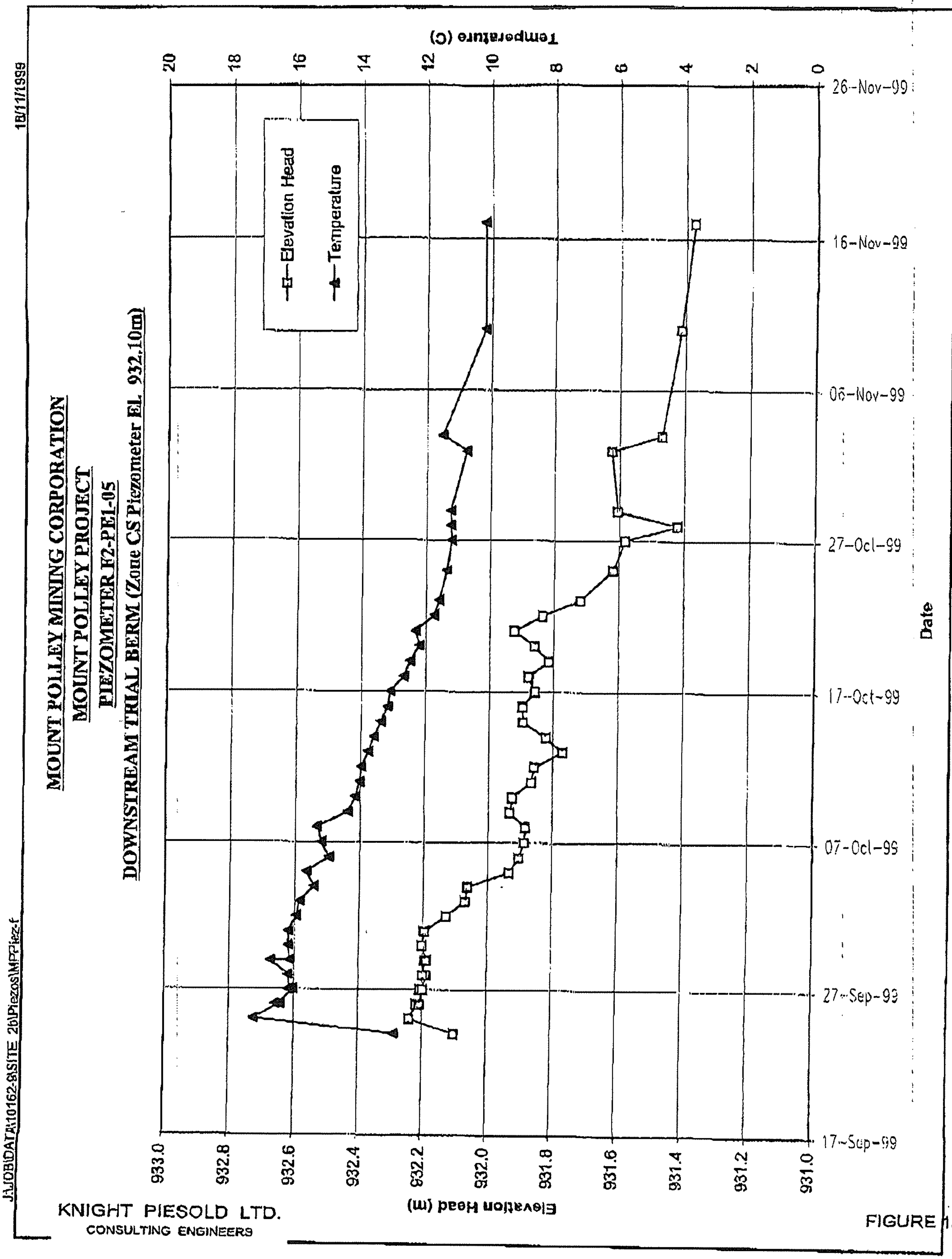
FIGURE 8


MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-04
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 932.38m)
Temperature (C)
35
30
25
20
15
10
5
0
Elevation Head
Temperature
935.0
934.5
934.0
933.5
933.0
932.5
932.0
931.5
Elevation Head (m)
26-Nov-99
16-Nov-99
06-Nov-99
27-Oct-99
17-Oct-99
07-Oct-99
27-Sep-99
17-Sep-99
Date
18/11/1999
J:\JOBDATA\10162-9\SITE 2b\Piezos\MPPiez-f
KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS
FIGURE 9


18/11/1999
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 932.10m)
Elevation Head
Temperature
Temperature (C)
20
18
16
14
12
10
8
6
4
2
0
Elevation Head (m)
933.0
932.8
932.6
932.4
932.2
932.0
931.8
931.6
931.4
931.2
931.0
Date
17-Sep-99
27-Sep-99
07-Oct-99
17-Oct-99
27-Oct-99
06-Nov-99
16-Nov-99
26-Nov-99
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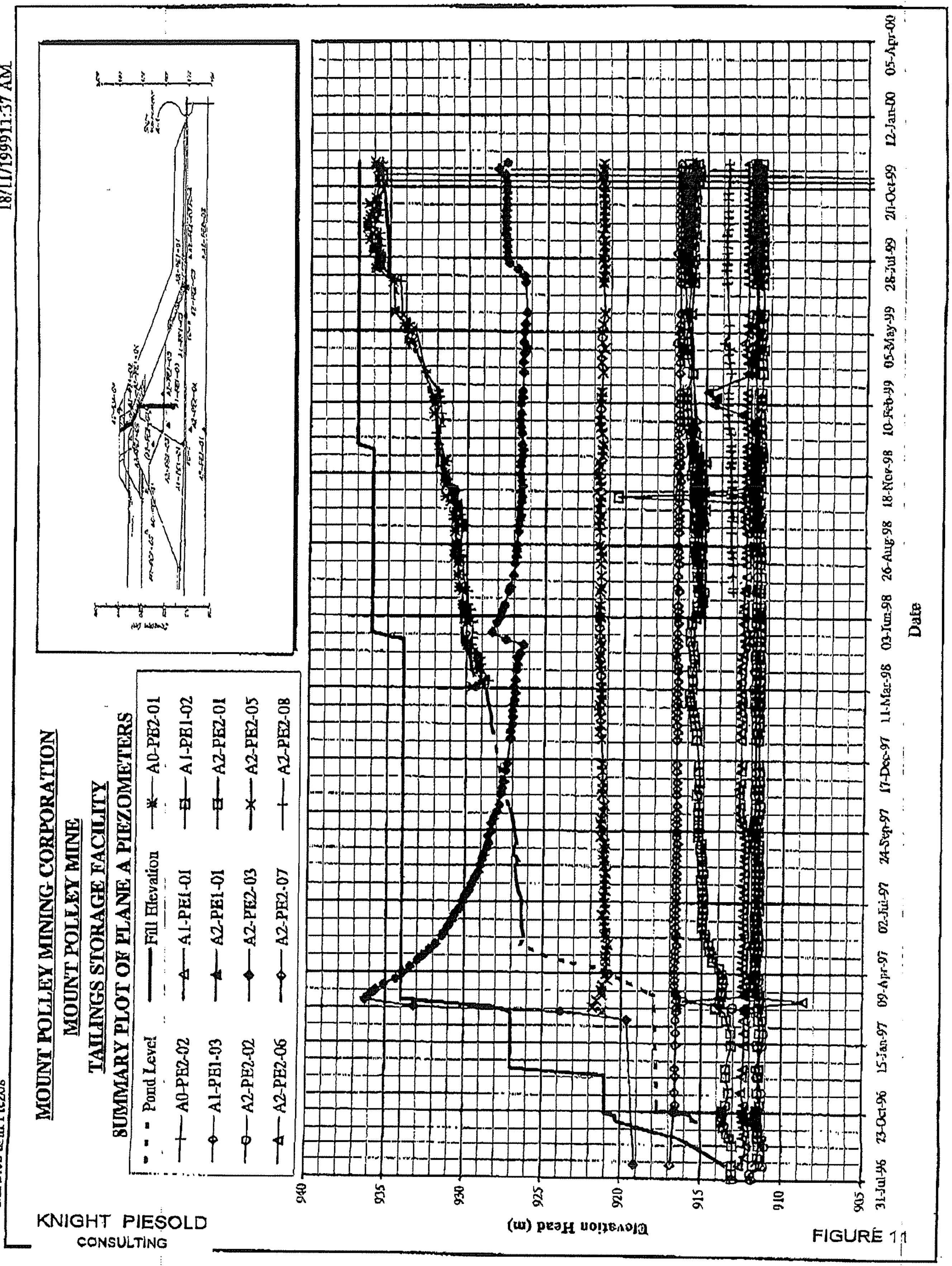
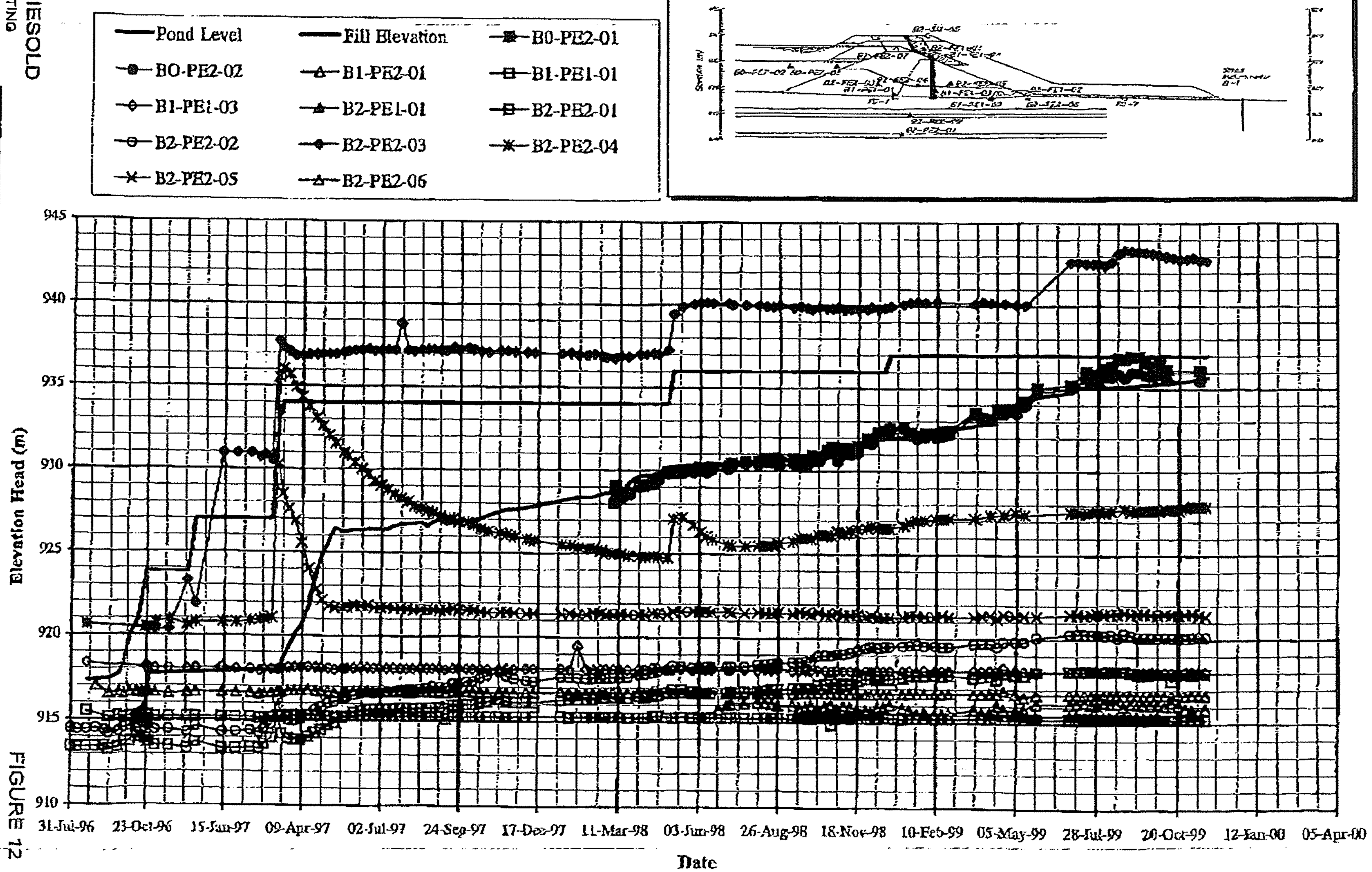
KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS
FIGURE 10


18/11/1999 11:37 AM
MPPiez-a All Piezos
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS
Pond Level
Fill Elevation
A0-PE2-01
A0-PE2-02
A1-PE1-01
A1-PE1-02
A1-PE1-03
A2-PE1-01
A2-PE2-01
A2-PE2-02
A2-PE2-03
A2-PE2-05
A2-PE2-06
A2-PE2-07
A2-PE2-08
Elevation Head (m)
Date
940
935
930
925
920
915
910
905
31-Jul-96
23-Oct-96
15-Jan-97
09-Apr-97
02-Jul-97
24-Sep-97
17-Dec-97
11-Mar-98
03-Jun-98
26-Aug-98
18-Nov-98
10-Feb-99
05-May-99
28-Jul-99
20-Oct-99
12-Jan-00
05-Apr-00
KNIGHT PIESOLD
CONSULTING
FIGURE 11

MPPiez-b All Piezos 18/11/1999 11:54 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



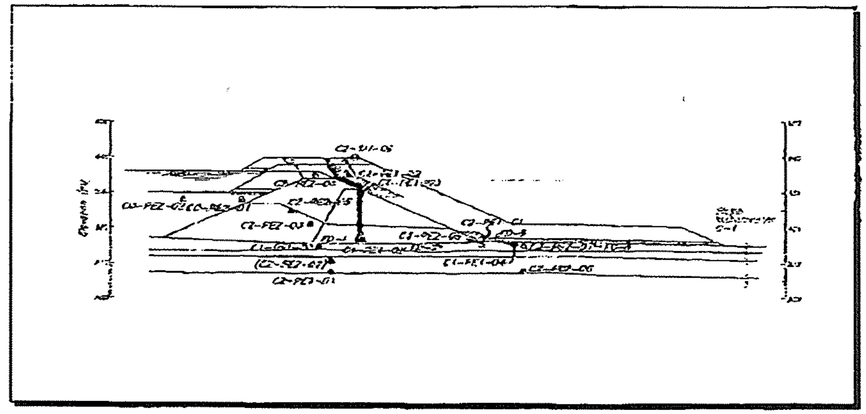
KNIGHT PIESOLD
CONSULTING

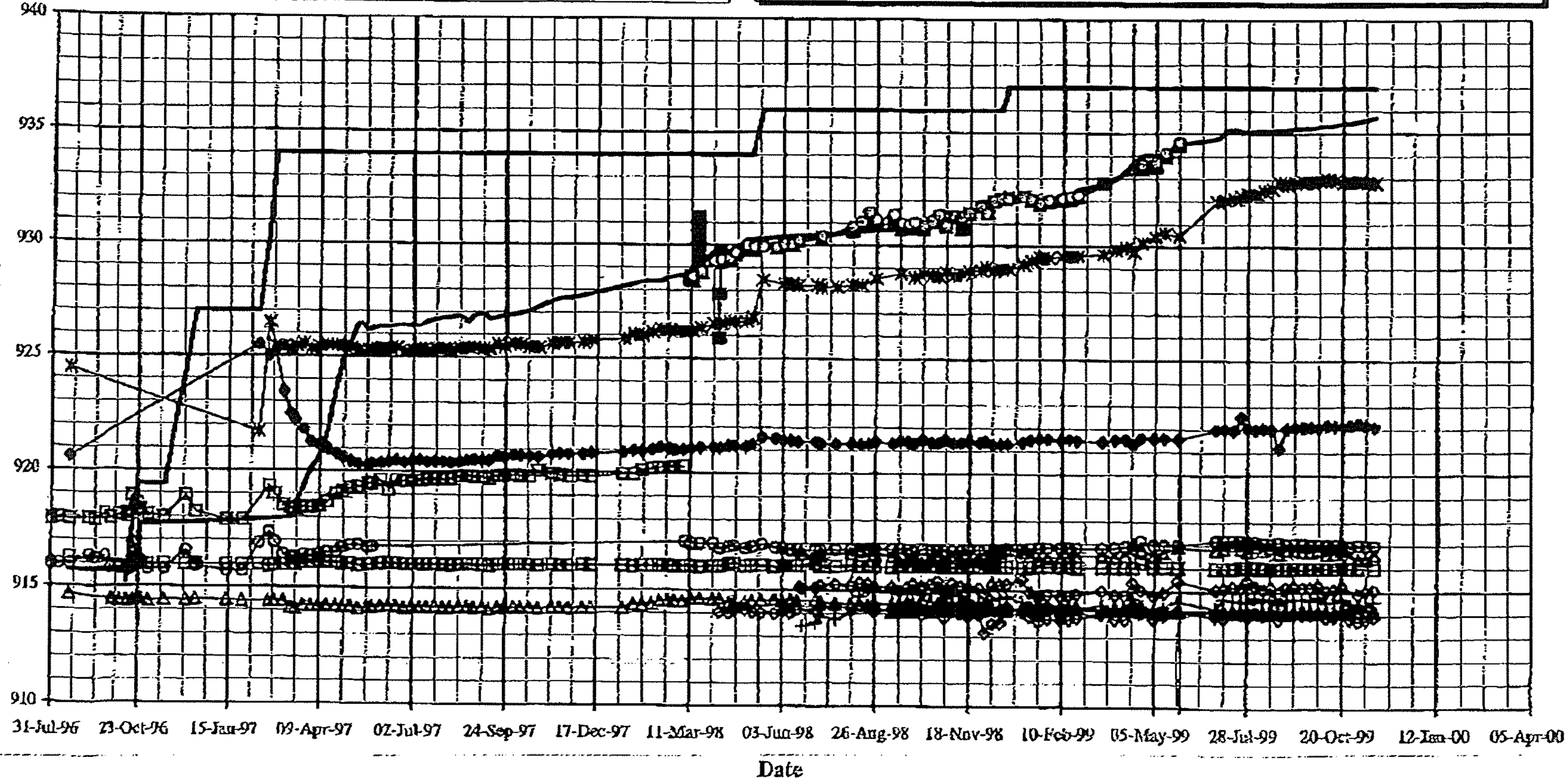
FIGURE 12

MPPiez-c All Piezos

18/11/1999 11:40 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS





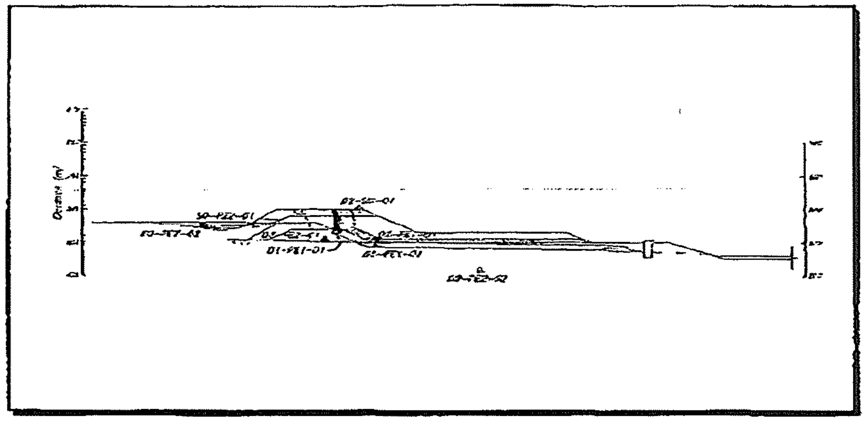
KNIGHT PIESOLD
CONSULTING

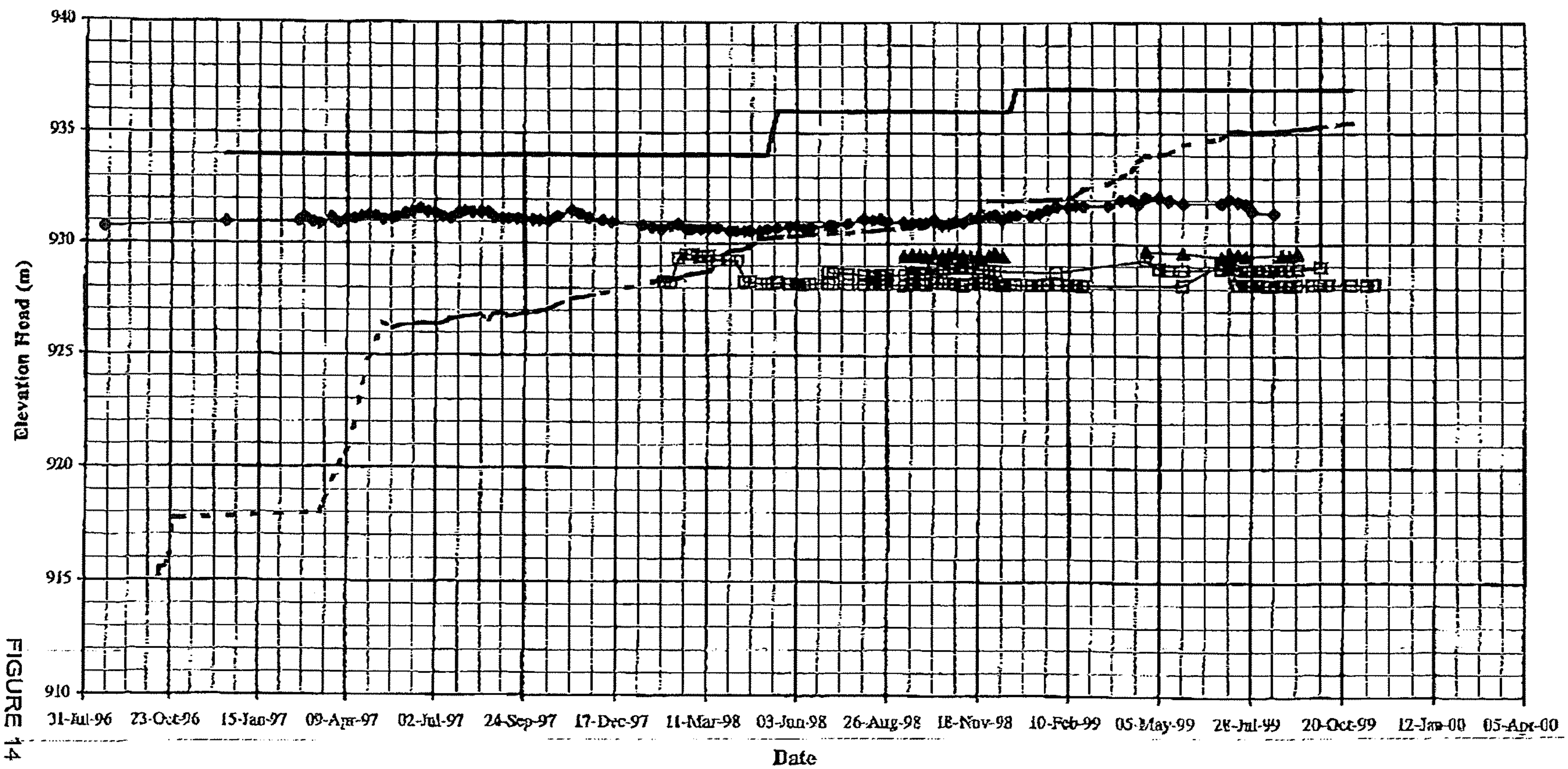
FIGURE 13

MPPiez-d All Piezos

18/11/1999 11:41 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



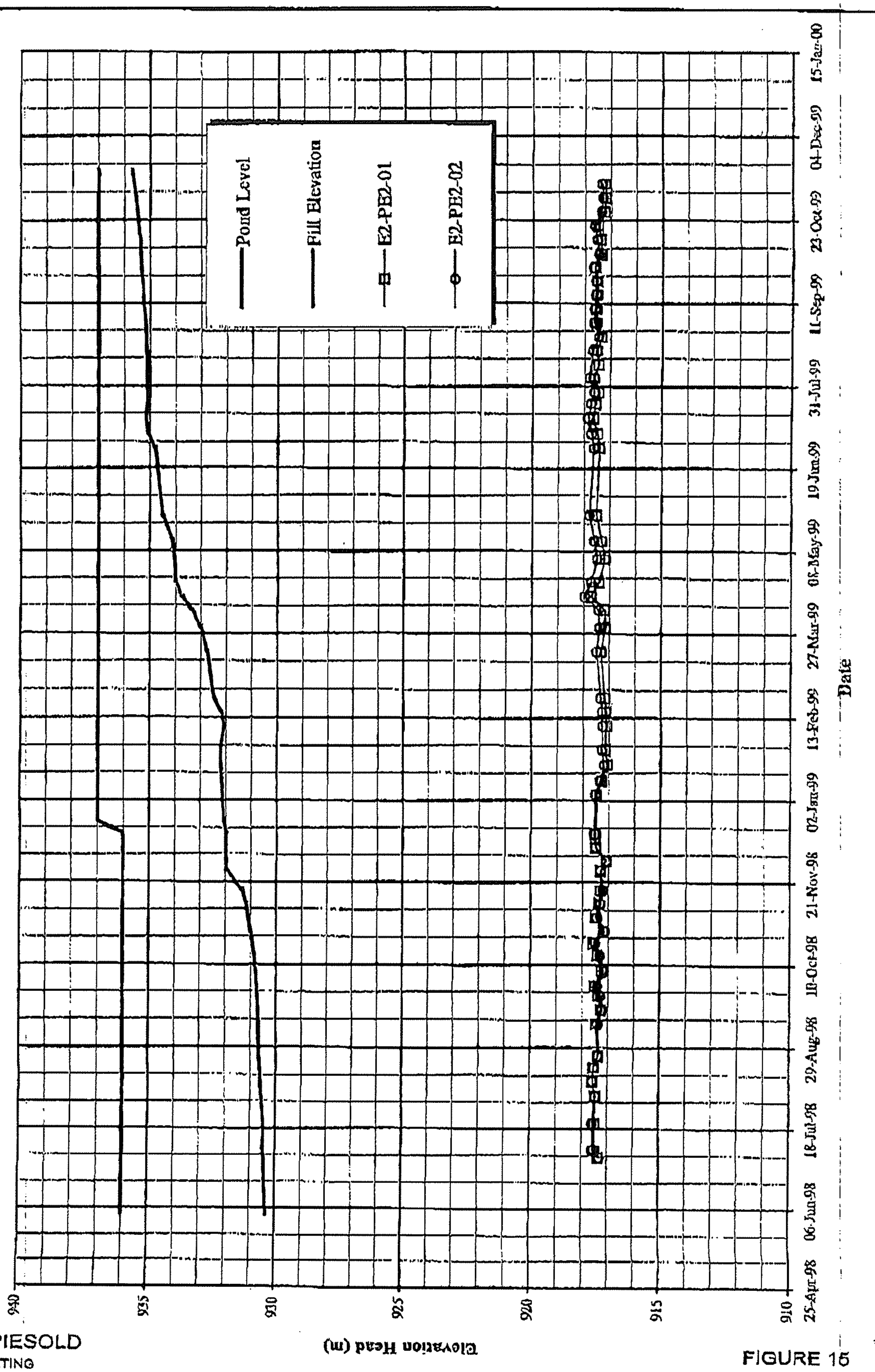


KNIGHT PIESOLD
CONSULTING

FIGURE 14

18/11/1999 11:42 AM

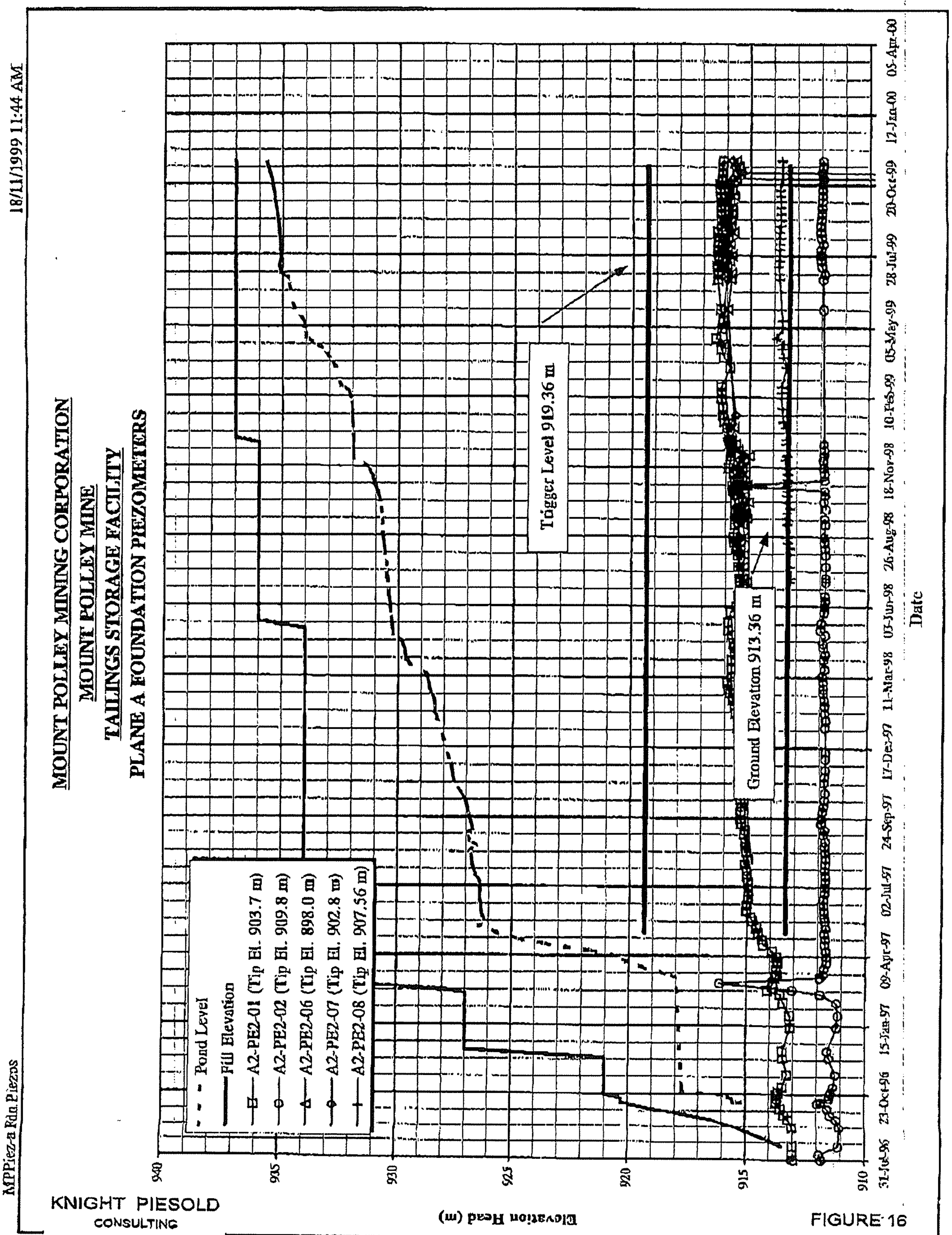
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS



MPPiez-c All Piezos

KNIGHT PIESOLD
CONSULTING

FIGURE 15



18/11/1999 11:44 AM
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS
Pond Level
Fill Elevation
A2-PE2-01 (Tip El. 903.7 m)
A2-PE2-02 (Tip El. 909.8 m)
A2-PE2-06 (Tip El. 898.0 m)
A2-PE2-07 (Tip El. 902.8 m)
A2-PE2-08 (Tip El. 907.56 m)
Trigger Level 919.36 m
Ground Elevation 913.36 m
940
935
930
925
920
915
910
Elevation Head (m)
31-Jul-96
23-Oct-96
15-Jan-97
09-Apr-97
02-Jul-97
24-Sep-97
17-Dec-97
11-Mar-98
03-Jun-98
26-Aug-98
18-Nov-98
10-Feb-99
05-May-99
28-Jul-99
20-Oct-99
12-Jan-00
05-Apr-00
Date
MPPiez-a Rdg Piezos
KNIGHT PIESOLD
CONSULTING
FIGURE 16

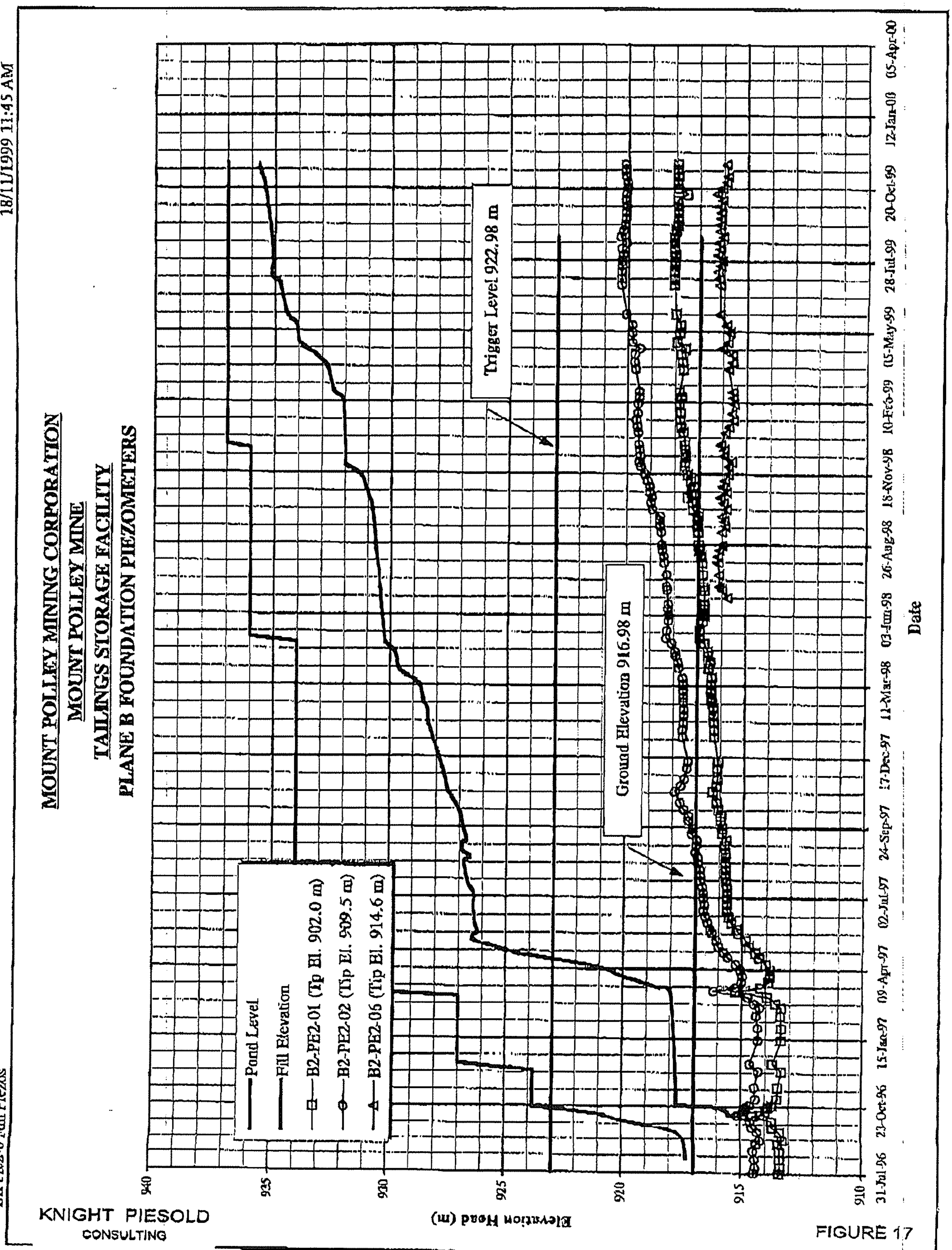
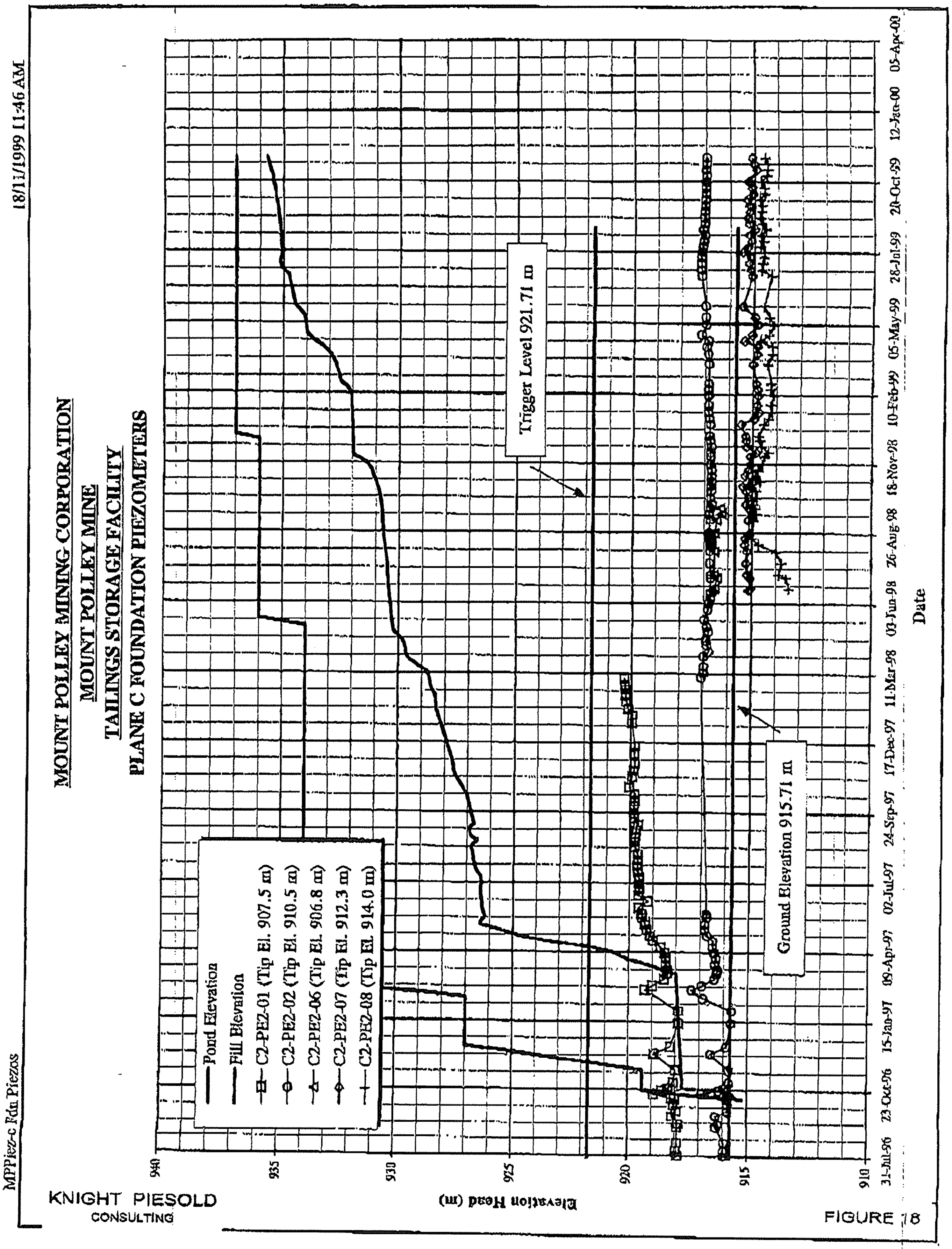
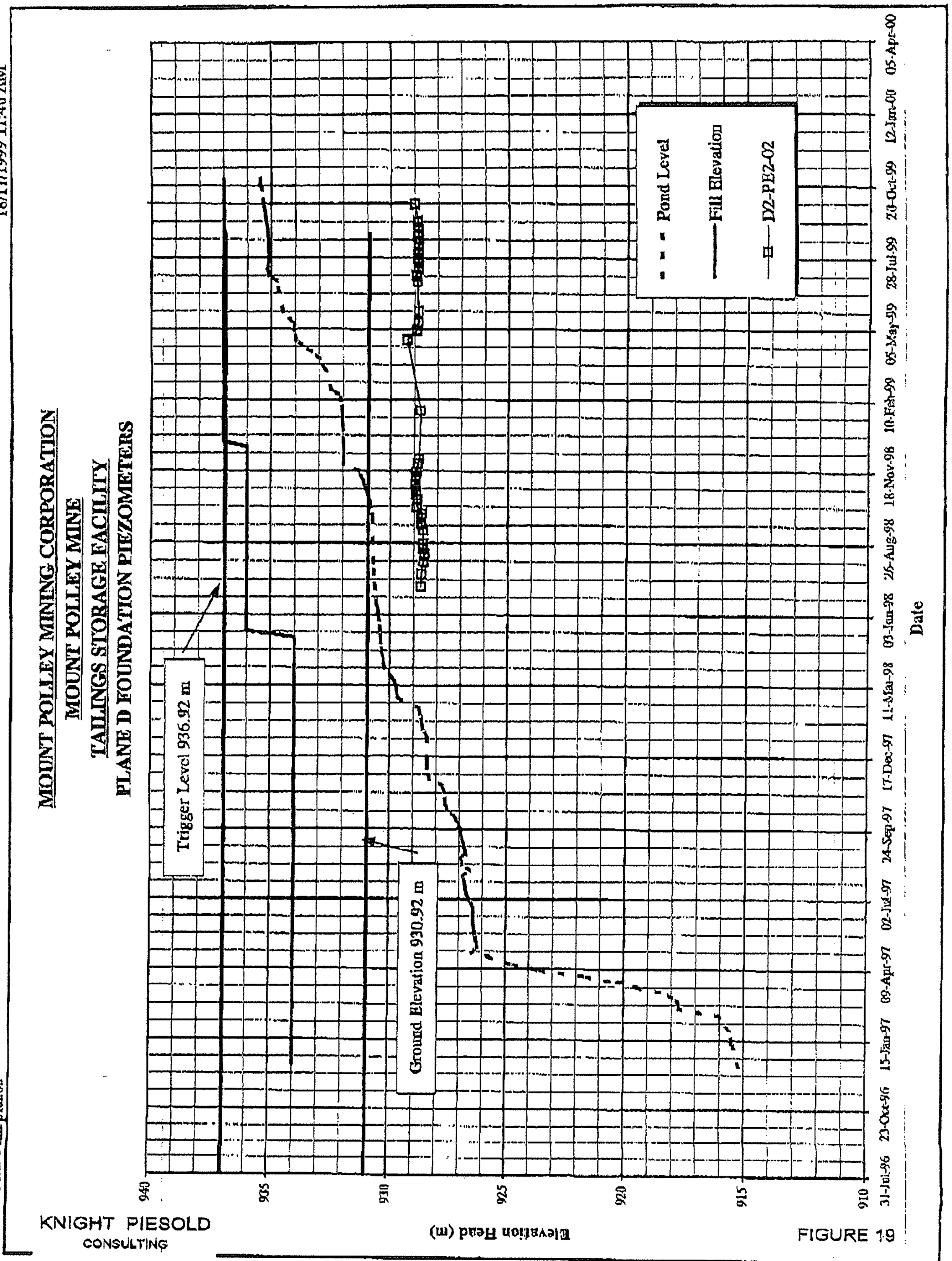
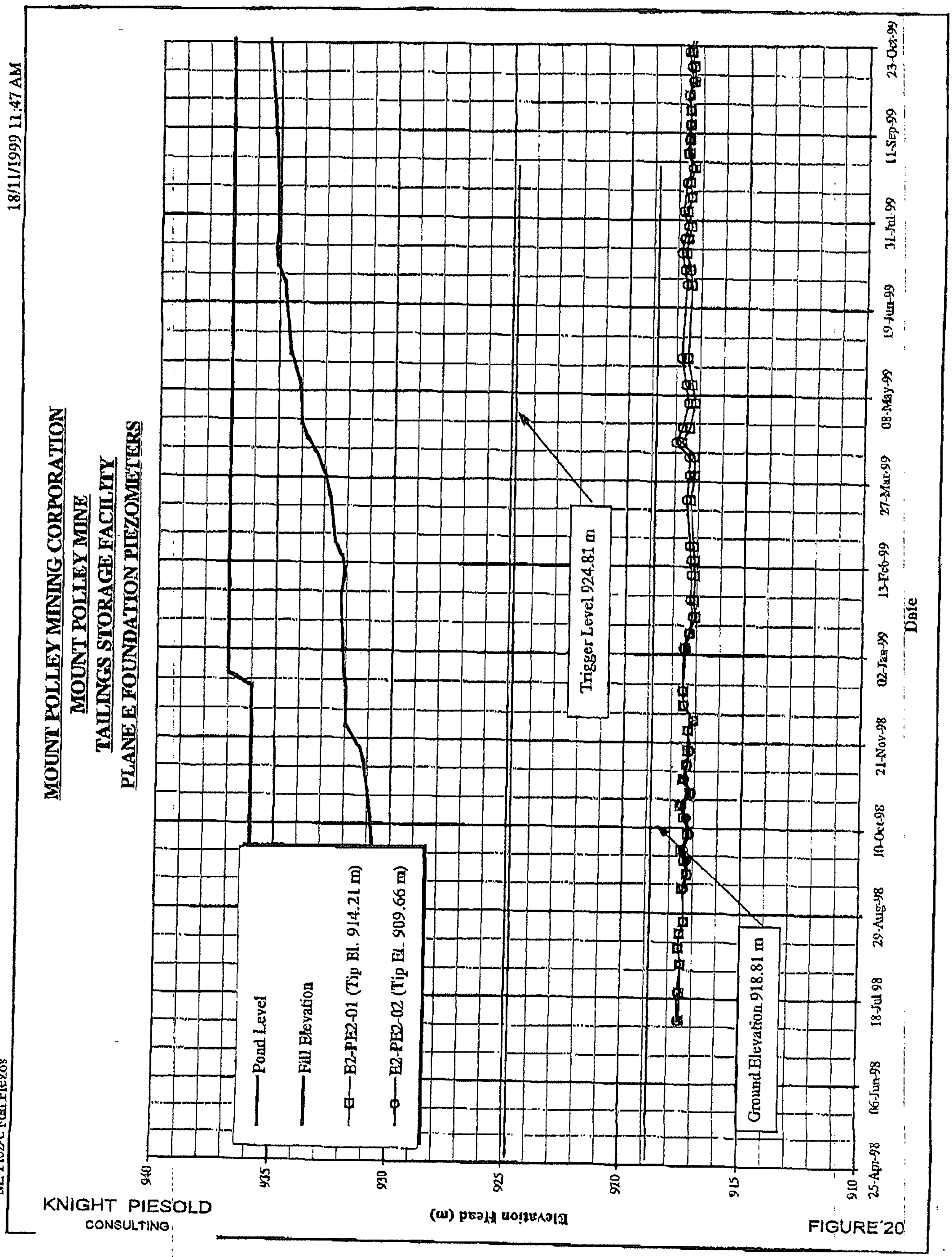

18/11/1999 11:45 AM
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS
Trigger Level 922.98 m
Ground Elevation 916.98 m
Pond Level
Fill Elevation
B2-PE2-01 (Tip El. 902.0 m)
B2-PE2-02 (Tip El. 909.5 m)
B2-PE2-05 (Tip El. 914.6 m)
Elevation Head (m)
910
915
920
925
930
935
940
Date
31-Jul-96
23-Oct-96
15-Jan-97
09-Apr-97
02-Jul-97
24-Sep-97
17-Dec-97
11-Mar-98
03-Jun-98
26-Aug-98
18-Nov-98
10-Feb-99
05-May-99
28-Jul-99
20-Oct-99
12-Jan-00
05-Apr-00
MPPiez-b Fdn Piezos
KNIGHT PIESOLD
CONSULTING

FIGURE 17


18/11/1999 11:46 AM
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS
Pond Elevation
Fill Elevation
C2-PE2-01 (Tip El. 907.5 m)
C2-PE2-02 (Tip El. 910.5 m)
C2-PE2-06 (Tip El. 906.8 m)
C2-PE2-07 (Tip El. 912.3 m)
C2-PE2-08 (Tip El. 914.0 m)
Trigger Level 921.71 m
Ground Elevation 915.71 m
Elevation Head (m)
940
935
930
925
920
915
910
31-Jul-96
23-Oct-96
15-Jan-97
09-Apr-97
02-Jul-97
24-Sep-97
17-Dec-97
11-Mar-98
03-Jun-98
26-Aug-98
18-Nov-98
10-Feb-99
05-May-99
28-Jul-99
20-Oct-99
12-Jan-00
05-Apr-00
Date
MPPiez-c Fdn Piezos
KNIGHT PIESOLD
CONSULTING
FIGURE 18


18/11/1999 11:46 AM
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS
Pond Level
Fill Elevation
D2-PE2-02
Trigger Level 936.92 m
Ground Elevation 930.92 m
940
935
930
925
920
915
910
Elevation Head (m)
31-Jul-96
23-Oct-96
15-Jan-97
09-Apr-97
02-Jul-97
24-Sep-97
17-Dec-97
11-Mar-98
03-Jun-98
26-Aug-98
18-Nov-98
10-Feb-99
05-May-99
28-Jul-99
20-Oct-99
12-Jan-00
05-Apr-00
Date
MPPiez-d fdn piezos
KNIGHT PIESOLD
CONSULTING
FIGURE 19


18/11/1999 11:47 AM
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS
Pond Level
Fill Elevation
B2-PE2-01 (Tip El. 914.21 m)
B2-PE2-02 (Tip El. 909.66 m)
Trigger Level 924.81 m
Ground Elevation 918.81 m
Elevation Head (m)
Date
940
935
930
925
920
915
910
25-Apr-98
06-Jun-98
18-Jul-98
29-Aug-98
10-Oct-98
21-Nov-98
02-Jan-99
13-Feb-99
27-Mar-99
08-May-99
19-Jun-99
31-Jul-99
11-Sep-99
23-Oct-99
MPPiez-e Fdn Piezos
KNIGHT PIESOLD
CONSULTING
FIGURE 20

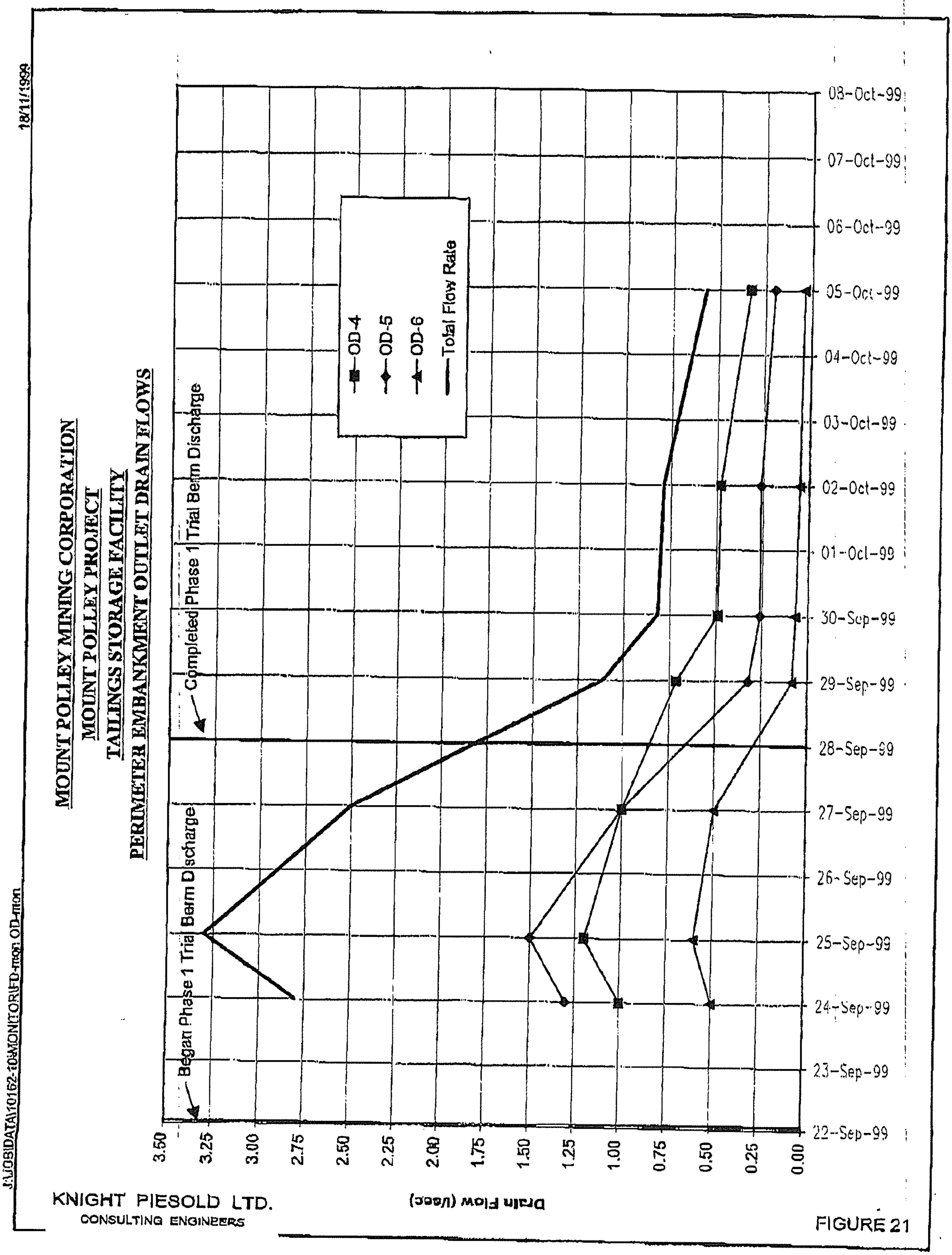

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY
PERIMETER EMBANKMENT OUTLET DRAIN FLOWS
18/11/1999
J:\JOB\DATA\10162-10\MONITOR\FD-mon OD-mon
Began Phase 1 Trial Berm Discharge
Completed Phase 1 Trial Berm Discharge
OD-4
OD-5
OD-6
Total Flow Rate
Drain Flow (l/sec)
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
22-Sep-99
23-Sep-99
24-Sep-99
25-Sep-99
26-Sep-99
27-Sep-99
28-Sep-99
29-Sep-99
30-Sep-99
01-Oct-99
02-Oct-99
03-Oct-99
04-Oct-99
05-Oct-99
06-Oct-99
07-Oct-99
08-Oct-99
KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS
FIGURE 21

TABLE 1

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

[illegible]

Note: The elevation for the top of the casing for Ground Water Well GW96-9 is approximately [illegible] m. The ground elevation is [illegible] m.

SAMPLING DATE	FD-1 Flow Rate			FD-2 Flow Rate			FD-3 Flow Rate			FD-4 Flow Rate			FD-6 Flow Rate			Total Flow Rate			Pond El (m)	GW96-9 (GW Well) Elev. Above Top of Casing of well 9 (m)
Date	(USgpm)	(l/sec)	Comments	(USgpm)	(l/sec)	Comments	(USgpm)	(l/sec)	Comments	(USgpm)	(l/sec)	Comments	(USgpm)	(l/sec)	Comments	(USgpm)	(l/sec)	Comments	Pond Elev.	
28-Aug-96	4.62	0.08	Clear	0.49	0.01	Clear	5.37	0.09	Clear	1.77	0.03	Tr. cloudy	-	-	-	12.25	0.20	FD-3, FD-4 incomplete		
01-Sep-96	3.55	0.06	Clear	0.82	0.01	Clear	6.56	0.11	Cloudy	1.25	0.02	V. Cloudy	-	-	-	12.18	0.20	FD-3, FD-4 incomplete		
05-Sep-96	1.68	0.04	Clear	0.62	0.01	Clear	2.71	0.05	Clear	0.93	0.02	Cloudy	-	-	-	6.24	0.11	FD-3, FD-4 incomplete		
10-Sep-96	1.06	0.03	Clear	0.66	0.01	Clear	2.17	0.04	Clear	0.81	0.01	Clear	-	-	-	5.68	0.09	FD-3, FD-4 incomplete		
27-Sep-96	1.10	0.05	Clear	0.70	0.01	Clear	3.10	0.05	Clear	1.00	0.02	Clear	-	-	-	7.90	0.13	FD-3, FD-4 incomplete		
05-Oct-96	4.94	0.08	Clear	0.77	0.01	Clear	4.33	0.07	Tr. cloudy	6.16	0.10	Tr. cloudy	-	-	-	16.20	0.27	FD-3, FD-4 incomplete		
12-Oct-96	3.90	0.07	Clear	1.10	0.02	Clear	3.50	0.06	Clear	1.80	0.03	Clear	-	-	-	10.20	0.17	FD-3, FD-4 incomplete	915.20	
13-Oct-96	4.20	0.07	Clear	0.50	0.02	Clear	13.50	0.23	Clear	1.70	0.03	Clear	-	-	-	20.30	0.34	FD-3 complete, FD-4 incomplete	915.50	
14-Oct-96	3.80	0.06	Clear	1.10	0.02	Clear	15.00	0.25	Clear	5.60	0.09	Clear	-	-	-	25.20	0.42	FD-3 complete, FD-4 incomplete	915.23	
17-Oct-96	5.90	0.10	Clear	0.80	0.01	Clear	16.60	0.28	Clear	5.60	0.09	Clear	-	-	-	28.70	0.48		915.44	
18-Oct-96	9.80	0.16	Clear	1.00	0.02	Clear	26.60	0.44	Clear	9.00	0.15	Clear	-	-	-	45.90	0.77		915.50	
22-Oct-96	4.10	0.10	Clear	0.80	0.01	Clear	20.40	0.34	Clear	5.90	0.10	Clear	-	-	-	33.30	0.56		915.63	
27-Oct-96	4.00	0.10	Clear	1.50	0.10	Clear	24.29	0.40	Clear	6.40	0.11	Clear	-	-	-	38.10	0.64		916.00	
15-Mar-97	3.89	0.06	Clear	1.35	0.02	Clear	8.95	0.15	Clear	3.19	0.05	Clear	-	-	-	17.34	0.29	pig installed, sump pumped out	918.00	
16-Mar-97	3.48	0.06	Clear	1.15	0.01	Clear	8.37	0.14	Clear	2.87	0.05	Clear	-	-	-	15.88	0.26	pig installed, sump pumped out	918.10	
02-Apr-97	2.10	0.04	Clear	1.12	0.02	Clear	8.40	0.14	Clear	3.46	0.06	Clear	-	-	-	15.03	0.25	pig installed, sump pumped out	920.27	
23-Apr-97	4.14	0.07	Clear	0.95	0.02	Clear	11.56	0.19	Clear	2.35	0.04	Clear	-	-	-	18.99	0.32	pig installed, sump pumped out	923.70	
24-Apr-97	3.16	0.05	Clear	0.84	0.01	Clear	12.73	0.21	Clear	2.05	0.03	Clear	-	-	-	18.78	0.31	pig installed, sump pumped out	923.75	
29-Apr-97	2.90	0.05	Clear	0.59	0.01	Clear	10.32	0.17	Clear	1.78	0.03	Clear	-	-	-	15.52	0.26	pig installed, sump pumped out	924.41	
08-May-97	3.60	0.06	Clear	0.76	0.01	Clear	14.15	0.24	Clear	1.92	0.03	Clear	-	-	-	20.43	0.34	pig out, pumped down	923.86	
13-May-97	4.04	0.07	Clear	0.79	0.01	Clear	14.85	0.25	Clear	1.93	0.03	Clear	-	-	-	21.63	0.36	pig out, pumped down	926.43	
20-May-97	4.11	0.07	Clear	0.77	0.01	Clear	17.09	0.26	Clear	1.85	0.03	Clear	-	-	-	23.82	0.40	pig out, pumped down	926.20	
28-May-97	3.99	0.07	Clear	0.80	0.01	Clear	15.71	0.26	Clear	1.87	0.03	Clear	-	-	-	22.57	0.37	pig out, pumped down	926.25	
10-Jun-97	4.15	0.07	Clear	0.82	0.01	Clear	18.15	0.31	Clear	1.89	0.03	Clear	-	-	-	25.21	0.42	pig out, pumped down	926.34	
17-Jun-97	4.10	0.07	Clear	0.78	0.01	Clear	19.93	0.33	Clear	1.85	0.03	Clear	-	-	-	26.66	0.44	pig out, pumped down	926.46	
24-Jun-97	3.97	0.07	Clear	0.84	0.01	Clear	17.24	0.29	Clear	1.80	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.39	
04-Jul-97	3.93	0.07	Clear	0.69	0.01	Clear	16.72	0.25	Clear	1.73	0.03	Clear	-	-	-	24.07	0.35	pig out, pumped down	926.19	
08-Jul-97	4.05	0.07	Clear	0.72	0.01	Clear	18.07	0.30	Clear	1.88	0.03	Clear	-	-	-	24.72	0.41	pig out, pumped down	926.39	
15-Jul-97	4.11	0.07	Clear	0.88	0.01	Clear	17.38	0.26	Clear	2.24	0.04	Clear	-	-	-	22.61	0.38	pig out, pumped down	925.57	
22-Jul-97	4.05	0.07	Clear	0.91	0.02	Clear	15.83	0.26	Clear	2.05	0.03	Clear	-	-	-	22.85	0.38	pig out, pumped down	925.66	
29-Jul-97	4.40	0.07	Clear	0.85	0.01	Clear	20.48	0.34	Clear	2.11	0.04	Clear	-	-	-	27.84	0.46	pig out, pumped down	925.73	
05-Aug-97	4.13	0.07	Clear	0.79	0.01	Clear	18.35	0.31	Clear	1.97	0.03	Clear	-	-	-	25.24	0.42	pig out, pumped down	925.75	
13-Aug-97	4.12	0.07	Clear	0.78	0.01	Clear	23.19	0.40	Clear	2.02	0.03	Clear	-	-	-	31.11	0.52	pig out, pumped down	926.82	
20-Aug-97	4.11	0.07	Clear	0.76	0.01	Clear	15.95	0.27	Clear	1.80	0.03	Clear	-	-	-	22.64	0.38	pig out, pumped down	926.73	
26-Aug-97	4.62	0.08	Clear	0.76	0.01	Clear	18.75	0.31	Clear	1.92	0.03	Clear	-	-	-	26.05	0.43	pig out, pumped down	926.86	
03-Sep-97	4.48	0.07	Clear	0.76	0.01	Clear	16.95	0.28	Clear	1.76	0.03	Clear	-	-	-	23.95	0.40	pig out, pumped down	926.93	
09-Sep-97	4.57	0.08	Clear	0.75	0.01	Clear	16.04	0.27	Clear	1.81	0.03	Clear	-	-	-	23.17	0.39	pig out, pumped down	926.91	
17-Sep-97	4.62	0.08	Clear	0.77	0.01	Clear	16.31	0.22	Clear	1.78	0.03	Clear	-	-	-	23.86	0.40	pig out, pumped down	926.88	
23-Sep-97	4.64	0.08	Clear	0.78	0.01	Clear	17.35	0.30	Clear	1.80	0.03	Clear	-	-	-	25.00	0.42	pig out, pumped down	926.85	
02-Oct-97	4.78	0.08	Clear	1.12	0.01	Clear	16.36	0.23	Clear	1.86	0.03	Clear	-	-	-	24.12	0.40	pig out, pumped down	926.92	0.055
05-Oct-97	4.69	0.08	Clear	0.81	0.01	Clear	16.01	0.27	Clear	1.95	0.03	Clear	-	-	-	23.46	0.39	pig out, pumped down	926.97	0.065
16-Oct-97	5.14	0.09	Clear	1.11	0.02	Clear	17.86	0.30	Clear	2.34	0.04	Clear	-	-	-	26.42	0.44	pig out, pumped down	927.06	0.095
24-Oct-97	5.13	0.09	Clear	0.92	0.02	Clear	16.23	0.27	Clear	1.98	0.03	Clear	-	-	-	24.26	0.40	pig out, pumped down	927.23	0.095
06-Nov-97	5.51	0.09	Clear	1.20	0.02	Clear	17.70	0.30	Clear	2.39	0.04	Clear	-	-	-	26.83	0.45	pig out, pumped down	927.51	Frozen
13-Nov-97	4.90	0.08	Clear	0.65	0.01	Clear	18.58	0.31	Clear	1.87	0.03	Clear	-	-	-	25.03	0.43	pig out, pumped down	927.60	Frozen
21-Nov-97	4.37	0.07	Clear	0.76	0.01	Clear	17.91	0.30	Clear	1.79	0.03	Clear	-	-	-	24.81	0.41	pig out, pumped down	927.60	Frozen
28-Nov-97	4.14	0.07	Clear	0.77	0.01	Clear	18.13	0.30	Clear	1.85	0.03	Clear	-	-	-	24.94	0.42	pig out, pumped down	927.65	Frozen
04-Dec-97	4.33	0.07	Clear	0.55	0.01	Clear	17.67	0.29	Clear	1.78	0.03	Clear	-	-	-	24.33	0.41	pig out, pumped down	927.85	Frozen

TABLE 1 (continued)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

02-Jan-98	3.31	0.06	Clear	0.74	0.01	Clear	16.30	0.27	Clear	1.73	0.03	Clear	-	-	-	22.38	0.28	pig out, pumped down	928.10	Frozen
14-Jan-98	3.85	0.06	Clear	0.88	0.01	Clear	18.57	0.28	Clear	1.71	0.03	Clear	-	-	-	22.99	0.33	pig out, needs pumping	928.25	Frozen
21-Jan-98	3.57	0.06	Clear	0.74	0.01	Clear	16.42	0.27	Clear	1.82	0.03	Clear	-	-	-	22.56	0.38	pig out, needs pumping	928.30	Frozen
08-Apr-98	3.84	0.06	Clear	0.67	0.01	Clear	15.54	0.26	Clear	1.52	0.03	Clear	-	-	-	21.57	0.36	pig out, pond pumped down	929.70	-
17-Apr-98	3.81	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.93	0.14	Clear	27.79	0.46	pig out, pond pumped down	929.85	-
25-May-98	3.81	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.93	0.11	Clear	27.79	0.46	pig out, pond pumped down	930.10	-
02-Jun-98	3.31	0.06	Clear	0.78	0.01	Clear	15.98	0.26	Clear	1.42	0.02	Clear	6.10	0.11	Clear	28.10	0.47	pig out, pond pumped down	930.36	-
10-Jun-98	3.83	0.06	Clear	0.79	0.01	Clear	14.60	0.24	Clear	1.44	0.02	Clear	7.51	0.13	Clear	28.17	0.47	pig out, pond pumped down	930.39	-
16-Jun-98	3.77	0.06	Clear	0.78	0.01	Clear	16.35	0.27	Clear	1.41	0.02	Clear	7.93	0.13	Clear	30.24	0.50	pig out, pond pumped down	930.42	-
03-Jul-98	3.89	0.06	Clear	0.76	0.01	Clear	16.14	0.27	Clear	2.37	0.04	Clear	12.93	0.21	Clear	35.69	0.59	FD-5 is spilling onto FD-4 providing higher values than normal	930.45	
07-Jul-98	3.71	0.06	Clear	0.72	0.01	Clear	16.03	0.27	Clear	2.22	0.04	Clear	9.66	0.16	Clear	32.34	0.54	negative value is below top of casing	930.50	-0.035
24-Jul-98	3.53	0.06	Clear	0.72	0.01	Clear	15.75	0.26	Clear	1.96	0.03	Clear	8.70	0.15	Clear	30.66	0.51	-	930.58	0.28
12-Aug-98	3.46	0.06	Clear	0.62	0.01	Clear	15.96	0.27	Clear	1.99	0.03	Clear	7.30	0.12	Clear	29.24	0.49	-	930.61	0.33
19-Aug-98	3.17	0.05	Clear	0.56	0.01	Clear	15.83	0.26	Clear	2.26	0.04	Clear	8.98	0.13	Clear	29.90	0.50	-	930.64	-
10-Sep-98	3.60	0.06	Clear	0.57	0.01	Clear	16.35	0.27	Clear	2.01	0.03	Clear	8.92	0.13	Clear	30.57	0.51	-	930.70	-
17-Sep-98	3.53	0.05	Clear	0.63	0.01	Clear	16.42	0.27	Clear	2.20	0.04	Clear	8.52	0.14	Clear	31.30	0.52	-	930.73	-
24-Sep-98	3.62	0.05	Clear	0.66	0.01	Clear	15.64	0.26	Clear	2.06	0.03	Clear	7.77	0.13	Clear	29.73	0.50	-	930.77	-
07-Oct-98	3.73	0.06	Clear	1.05	0.02	Clear	14.22	0.24	Clear	2.16	0.04	Clear	13.39	0.22	Clear	34.74	0.58	positive value is above top of casing	930.81	0.18
15-Oct-98	3.81	0.06	Clear	1.10	0.02	Clear	14.53	0.24	Clear	2.56	0.04	Clear	15.83	0.26	Clear	37.84	0.63	-	930.87	
21-Oct-98	3.94	0.07	Clear	1.12	0.02	Clear	15.35	0.26	Clear	2.91	0.05	Clear	18.65	0.31	Clear	41.82	0.70	-	930.95	
17-Nov-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Sump flooded, needs to be pumped		0.11
27-Nov-98	4.24	0.07	Clear	1.04	0.02	Clear	14.28	0.24	Clear	2.35	0.04	Clear	11.76	0.20	Clear	33.67	0.56		931.35	-0.03
02-Dec-98	4.33	0.07	Clear	0.92	0.02	Clear	14.16	0.24	Clear	2.37	0.04	Clear	11.46	0.19	Clear	30.26	0.55		931.97	-0.03
09-Dec-98	4.34	0.07	Clear	0.79	0.01	Clear	16.56	0.28	Clear	2.01	0.03	Clear	9.78	0.16	Clear	33.49	0.56		931.97	Frozen
16-Dec-98	4.33	0.07	Clear	0.97	0.02	Clear	13.92	0.23	Clear	2.81	0.05	Clear	19.32	0.32	Clear	41.37	0.69		931.97	Frozen
22-Dec-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded, needs to be pumped down	931.99	Frozen
05-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.00	Frozen
12-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.02	Frozen
20-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.03	Frozen
28-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	931.05	Frozen
03-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.06	Frozen
16-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.07	Frozen
23-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.08	Frozen
18-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	933.08	Frozen
30-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	934.08	Frozen
08-Apr-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	935.08	Frozen
29-Sep-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		26.40	0.44	Clear	#N/A	#N/A	FD-5 above sump water surface	935.34	

TABLE 2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

PERIMETER EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

H:\ENG\DATA\Engdocs\Geotechnical\Weekly Piezo Readings\[FD-mon OD-mon.xls]OD-Mon

November 18, 1999

SAMPLING DATE	OD-4			OD-5			OD-6			Total Flow Rate		
	Flow Rate			Flow Rate			Flow Rate					
Date	OD4(l/min)	(l/sec)	Comments	OD5(l/min)	(l/sec)	Comments	OD6(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments
17-Sep-99	#NA	#NA		#NA	#NA		#NA	#NA		-	-	Drains Flooded
24-Sep-99	60.00	1.00		78.00	1.30		30.00	0.50		168.00	2.80	Flows Estimated
25-Sep-99	72.00	1.20		90.00	1.50		36.00	0.60		198.00	3.30	Flows Estimated
27-Sep-99	60.00	1.00		60.00	1.00		30.00	0.50		150.00	2.50	Flows Estimated
29-Sep-99	42.60	0.71		19.20	0.32		4.92	0.08		66.72	1.11	* Flows Measured *
30-Sep-99	29.40	0.49		15.60	0.26		4.02	0.07		49.02	0.82	* Flows Measured *
02-Oct-99	28.80	0.48		15.60	0.26		3.00	0.05		47.40	0.79	* Flows Measured *
05-Oct-99	19.80	0.33		12.00	0.20		2.46	0.04		34.26	0.57	* Flows Measured *

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT CC Mount Polley Mining (1)

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
V0L 1N0

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 1 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.08

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.05	28	102.0	204.0	233	0.00817	28.5	

SPEC. STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO. 20MPA
TRUCK NO.
TICKET NO.
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC
INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2412 kg/m³

LOCATION:
C-1-99 - LA-1st lift

COMMENTS:
25MPa concrete supplied

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

Page 1 END OF REPORT

PER N

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT Mount Polley Mining (1)

CC

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1NO

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO 4 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.08

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m²)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.05	28	102.0	204.0	257	0.00817	31.5	

SPEC. STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO 20MPA
TRUCK NO.
TICKET NO.
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL. m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC
INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2402 kg/m³

LOCATION:
C-4-99 RA-1st lift

COMMENTS:
25MPa concrete supplied

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED

Page 1 END OF REPORT

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

PER

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT Mount Polley Mining (1)
CC

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1N0

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 5 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.08

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.05	28	102.0	204.0	251	0.00817	30.7	

SPEC STRENGTH	20.00 MPa
CEMENT TYPE	
CEMENT CONTENT	kg/m³
AGGREGATE SIZE	mm
ADMIXTURE	
SUPPLIER	
MIX NO.	20MPA
TRUCK NO.	
TICKET NO	
BATCH TIME	
LOAD VOLUME	m³
CUMULATIVE VOL.	m³

CONCRETE TEMP	°C
AIR TEMP	°C
CAST TIME	
CAST BY	CLIENT
MOLD TYPE	PLASTIC

SLUMP	mm
AIR CONTENT	%
DENSITY	
PLASTIC	kg/m³
HARDENED	2400 kg/m³

INITIAL CURING TEMP. MAXIMUM °C MINIMUM °C

LOCATION: C-5-99 - RA-1st pour

COMMENTS: 25mMPa concrete supplied

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

Page 1 END OF REPORT

PER

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT CC Mount Polley Mining (1)

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1NO

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 6 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.08

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.05	28	102.0	204.0	239	0.00817	29.3	

SPEC STRENGTH	20.00 MPa	CONCRETE TEMP °C	SLUMP mm
CEMENT TYPE		AIR TEMP °C	AIR CONTENT %
CEMENT CONTENT	kg/m³	CAST TIME	DENSITY
AGGREGATE SIZE	mm	CAST BY CLIENT	PLASTIC kg/m³
ADMIXTURE		MOLD TYPE PLASTIC	HARDENED 2407 kg/m³
SUPPLIER		INITIAL CURING TEMP.: MAXIMUM °C	MINIMUM °C
MIX NO.	20MPA	LOCATION: C-6-99 - RA-1st pour	
TRUCK NO			
TICKET NO.			
BATCH TIME		COMMENTS: 25MPa concrete supplied	
LOAD VOLUME	m³		
CUMULATIVE VOL.	m³		

TEST METHOD: CSA CAN3 A23.2 UNLESS OTHERWISE NOTED

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

Page 1 END OF REPORT

PER

Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of the test results is provided only on written request.

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT CC Mount Polley Mining (1)

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1NO

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 8 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.09

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.08	30	102.0	204.0	257	0.00817	31.5	

SPEC. STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO. 20MPA
TRUCK NO.
TICKET NO.
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC
INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2399 kg/m³

LOCATION:
C-8-99 - LA-2nd pour

COMMENTS:
25MPa concrete supplied

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED Page 1 END OF REPORT

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

PER

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MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT Mount Polley Mining (1)
CC

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1NO

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 10 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.09

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m^2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.08	30	102.0	204.0	263	0.00817	32.2	

SPEC STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO 20MPA
TRUCK NO.
TICKET NO.
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL. m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC
INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2371 kg/m³

LOCATION:
C-10-99 - RA-2nd pour

COMMENTS:
25MPa concrete supplied

TEST METHOD: CSA CAN3 A23.2 UNLESS OTHERWISE NOTED

Page 1 END OF REPORT

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

PER

Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of the test results is provided only on written request.

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT CC Mount Polley Mining (1)

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
V0L 1N0

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 11 NO OF SPECIMENS 3 DATE RECEIVED 99.Nov.01 DATE CAST 99.Oct.27

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Nov.03	7	102.0	204.0	203	0.00817	24.8	
B	Nov.24	28	102.0	204.0		0.00817		
C	Nov.24	28	102.0	204.0		0.00817		

SPEC STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO 20MPA
TRUCK NO.
TICKET NO
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL. m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC
INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2423 kg/m³

LOCATION:
not given

COMMENTS:
Cylinders received in laboratory 5 days after cast date.

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED

Page 1 END OF REPORT

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

PER

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S CONTROL TEST SUMMARY SHEET

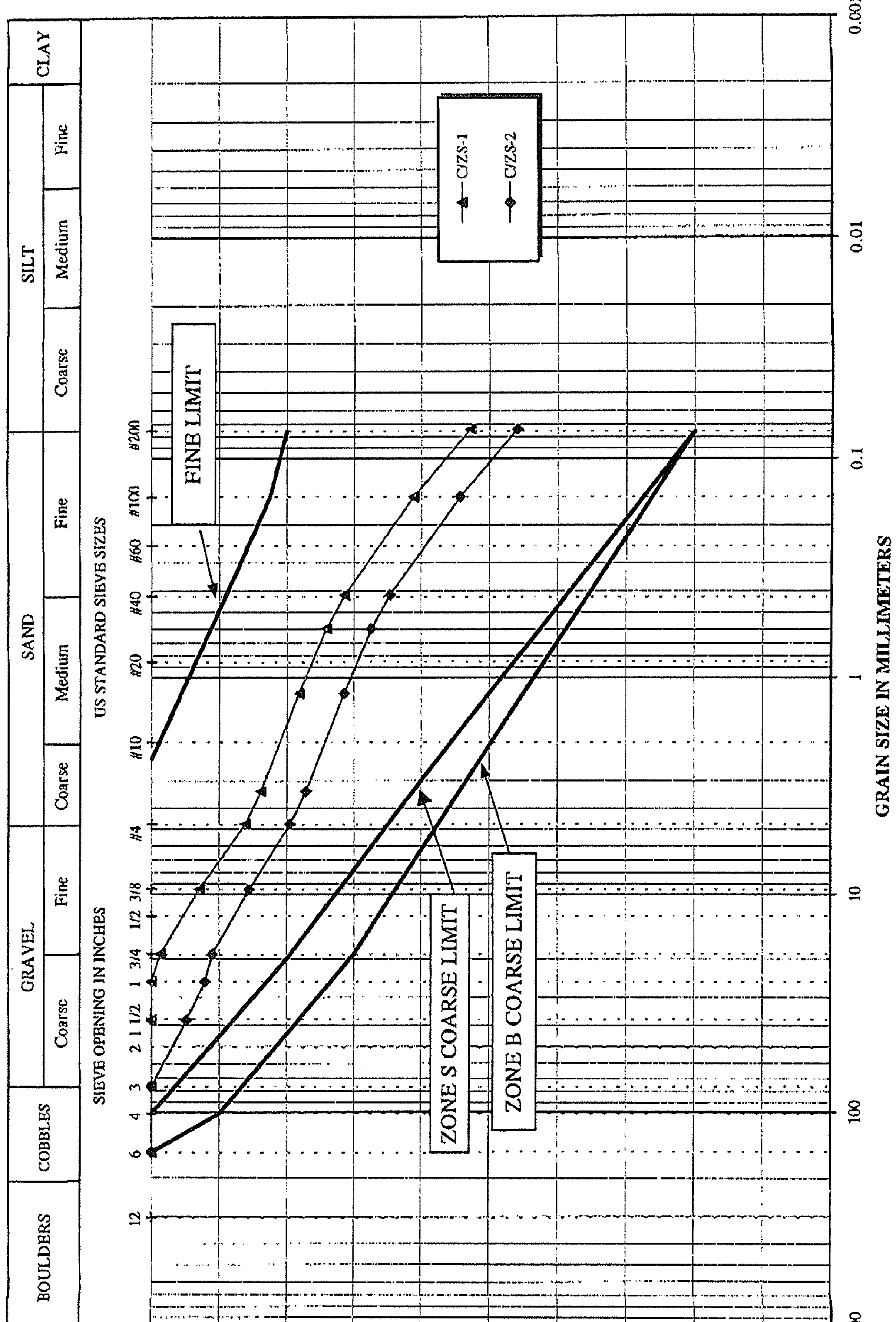
A:\[C-ZS-SUM.xls]Summary Table 18-Nov-99

				C1			C2	C3 (Particle Size Distribution)													C4		C6
Date Sampled	Sample No.	Location	Elev. (m)	Atterberg Limits			Lab m/c %	152.4	76.2	38.1	25.4	19.05	9.525	4.7498	3.3528	1.1913	0.594	0.4191	0.150	0.0737	Standard Proctor		Specific Gravity
				PL %	LL %	PI %		6	3	1.5	1	0.750	0.375	0.187	0.132	0.047	0.023	0.017	0.006	0.003	Max Dry Density kg/m³	Optimum m/c %	
								6	3	1 1/2	1	3/4	3/8	#4	#6	#16	#30	#40	#100	#200			
3-Sep-99	C/ZS-1	Borrow Area 2, Exc. Face		17.5	25.5	8.0	-	100.0	100.0	100.0	100.0	98.7	93.0	86.1	83.8	78.2	74.1	71.4	61.1	52.8	2015	11.2	-
22-Sep-99	C/ZS-2	Borrow Area 2, Exc. Face		16.8	26.8	10.0	11.6	100.0	100.0	94.8	92.1	91.0	85.6	79.5	77.2	71.5	67.4	64.6	54.3	45.8	2042	10.6	-
			MEAN	17.2	26.2	9.0	11.6	100.0	100.0	97.4	96.0	94.8	89.3	82.8	80.5	74.8	70.8	68.0	57.7	49.3	2029	10.9	#DIV/0!
			MEDIAN	17.2	26.2	9.0	11.6	100.0	100.0	97.4	96.0	94.8	89.3	82.8	80.5	74.8	70.8	68.0	57.7	49.3	2029	10.9	#NUM!
			MAXIMUM	17.5	26.8	10.0	11.6	100.0	100.0	100.0	100.0	98.7	93.0	86.1	83.8	78.2	74.1	71.4	61.1	52.8	2042	11.2	0.00
			MINIMUM	16.8	25.5	8.0	11.6	100.0	100.0	94.8	92.1	91.0	85.6	79.5	77.2	71.5	67.4	64.6	54.3	45.8	2015	10.6	0.00

Notes:
1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

C1 Atterberg Limits (ASTM D4318)
C2 Moisture Content (ASTM D2216)
C3 Particle Size Distribution (ASTM D422)
C4 Laboratory Compaction (ASTM D1557)
C6 Bulk Specific Gravity (ASTM C127)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S CONTROL SAMPLES - GRADATION CURVES



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KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE S RECORD TEST SUMMARY SHEET

A:\[R-ZS-SUM.xls]Summary Table 18-Nov-99

				R1			R2	R3 (Particle Size Distribution)															R4		R6
Date Sampled	Sample No.	Location	Elev. (m)	Atterberg Limits			Field m/c	152.4	76.2	50.8	38.1	25.4	19.05	12.7	9.525	4.75	2	0.85	0.425	0.25	0.15	0.075	Standard Proctor		Specific Gravity
				PL	LL	PI	m/c	6	3	2	1.5	1.000	0.750	0.500	0.375	#4	#10	#20	#40	#60	#100	#200	Max Dry Density kg/m³	Optimum m/c %	
				%	%	%	%	6	3	2	1 1/2	1	3/4	1/2	3/8	#4	#10	#20	#40	#60	#100	Clay			
5-Oct-99	R-ZS-1	Zone S fill - lift #2, CH 30+13	-	17.9	29.1	11.2	11.1	100.0	100.0	97.9	95.4	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	56.7	44.3	2165	8.8	-
1-Nov-99	R-ZS-2	Zone S fill - lift #4, CH 31+38	-	16.4	27.7	11.3	11.5	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	75.1	70.7	66.6	60.9	53.1	45.0	2110	8.4	2.701
			MEAN	17.2	28.4	11.3	11.3	100.0	100.0	98.0	96.2	93.9	91.1	85.1	79.2	74.1	69.4	64.8	61.4	56.2	54.9	44.7	2138	8.6	2.70
			MEDIAN	17.2	28.4	11.3	11.3	100.0	100.0	98.0	96.2	93.9	91.1	85.1	79.2	74.1	69.4	64.8	61.4	56.2	54.9	44.7	2138	8.6	2.70
			MAXIMUM	17.9	29.1	11.3	11.5	100.0	100.0	98.0	97.0	95.7	93.7	90.0	85.4	80.3	75.1	70.7	66.6	60.9	56.7	45.0	2165	8.8	2.70
			MINIMUM	16.4	27.7	11.2	11.1	100.0	100.0	97.9	95.4	92.1	88.5	80.1	73.0	67.8	63.6	58.9	56.1	51.5	53.1	44.3	2110	8.4	2.70

Notes:
1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Bulk Specific Gravity (ASTM C127)

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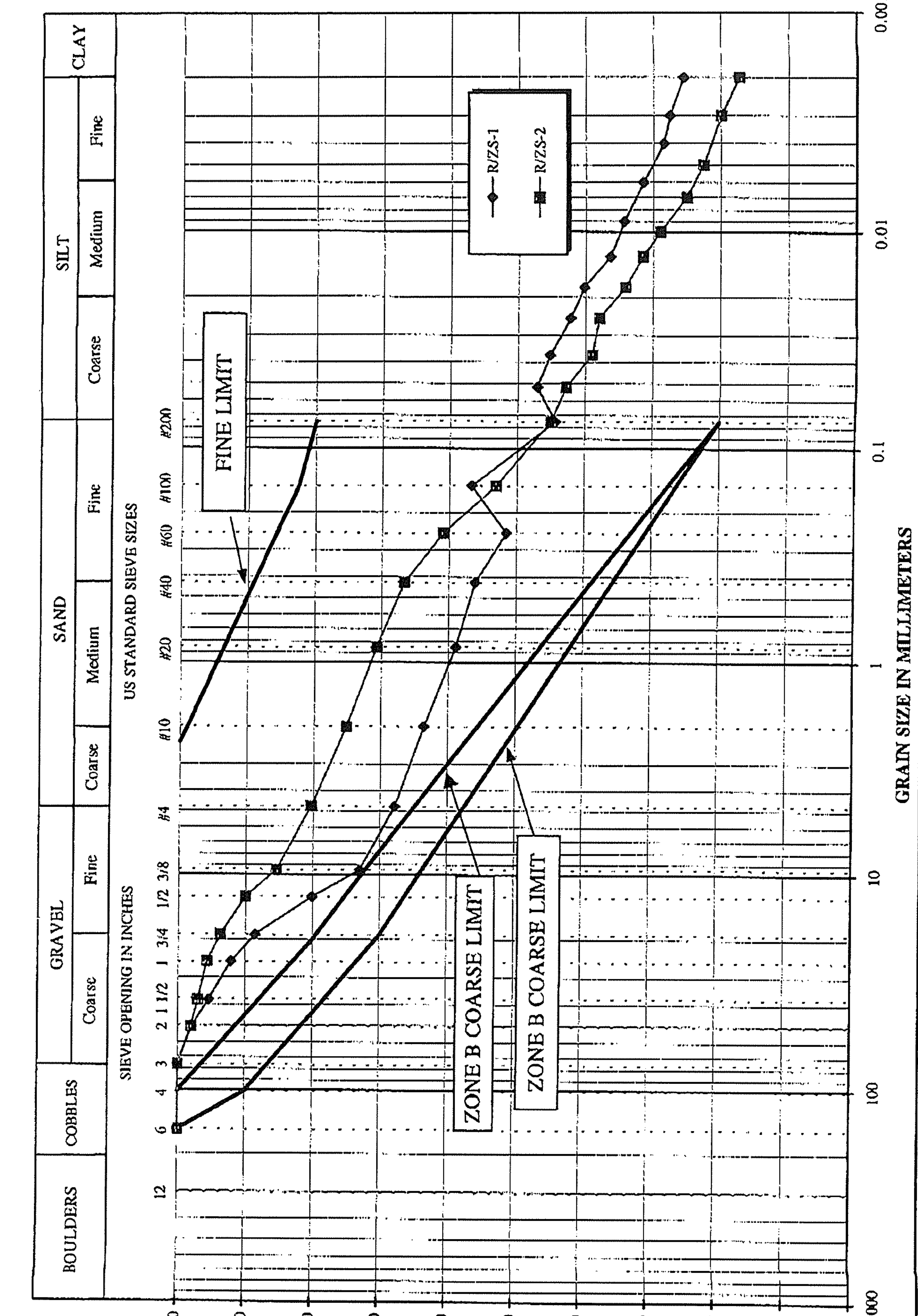
m:\1\1832\2\reports\31R-ZS-SUM.xls\Fig A3-2

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION - ZONE S RECORD SAMPLES - GRADATION CURVES



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CONSULTING ENGINEERS

MTPO BINDER

Knight Piésold
CONSULTING

Knight Piésold, Mt. Polley Site
Fax: (250) 790-2268
Phone: (250) 790-2215

DATE:	Nov 8, 1999	**FILE NO.:**	11162/10.F01/F02/F05/F07
TIME:		**REF NO.:**	99-038
OPERATOR:		**PAGES:**	1 of 44
SENDER:	Ian Manning	**APPROVED:**	

TO:	KP Vancouver	**FAX :**	604-685-0147
ATTN:	John Wilkinson		
CC:	George Headley, Ministry of Energy and Mines		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report #5		

Dear John,

Please find attached Progress Report No. 5 for Stage 2C Construction at the Mount Polley Mine. This document is for the reporting period October 16 to 31, 1999.

Best Regards,

Ian Manning
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 5
OCTOBER 16 TO 31, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Leon Gous (LAG), Senior Engineer (left site October 26)
- Ian Manning (IBM), Project Engineer (arrived on site October 25)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions were generally mixed, with mostly cloudy skies over the reporting period. There were some sunny breaks near the end of October, and mixed snow and rain on October 27 and 28.

1.3 CONTRACT DEVELOPMENTS

Over the reporting period, MPMC awarded the remainder of Stage 2C construction to Peterson Contracting.

KP approved a construction modification proposed by MPMC, to allow for the solid toe drain trench upstream of the Perimeter embankment to be backfilled and nominally compacted with either Zone F filter sand or till.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

From October 16 to 19, tailings underflow (Zone CS) cycloned sand was discharged upstream of the Perimeter Embankment crest. On October 19 MPMC shut down all cycloning operations for 1999, at which time tailings beaches and/or cycloned sand had been established along approximately 90% of the upstream Perimeter embankment. As described in Progress Report No. 4, a design change was previously issued to allow for Zone B till material to be constructed upstream of the Perimeter embankment Zone S core, in place of the original design Zone CS cycloned sand.

A significant beach continues to be present upstream of the Main Embankment Zone CS. Wind erosion of the cycloned sand was not observed over the reporting period.

Over the reporting period, Eric LeNeve (MPMC) stated that it will probably not be possible to measure Main embankment foundation drain flows until Spring 2000. At that time a new pump will be installed within the seepage collection pond, allowing for the pond and sump water levels to be lowered below the foundation drain outlet levels.

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SECTION 2.0 - CONSTRUCTION ACTIVITIES

The following activities were carried out over the reporting period:

Cycloned Sand Operations

- Movement, maintenance, and removal of the tailings lines and 20" cyclones on the Perimeter Embankment.

- Maintenance and optimization of cyclones, and Stage 2C discharging of Zone CS cycloned sand along the u/s Perimeter Embankment (suspended cycloning operations on October 19).

Downstream Cycloned Sand Trial

- A second phase containment berm was placed upstream of the initial rockfill containment berm. The second phase containment berm was constructed from cycloned sand, to approximately the same height as the Phase 1 rockfill berm.

- Cycloning within the Phase 2 downstream trial berm took place between October 15 and 19. Cyclones #1 and #3 were used to discharge within the trial berm area, the same cyclones as used during Phase 1 deposition.

Upstream Toe Drains and Outlet Pipes

- The area along the Main Embankment upstream toe drain trench was cleared and dewatered in preparation for toe drain pipe installation. Zone F filter sand bedding was placed within the Main embankment u/s toe drain trench, followed by placement of the perforated CPT toe drain, and a 2 meter wide by 1 meter deep Zone F filter sand surround.

- The Main embankment left and right abutment outlet pipes were connected to the seepage pond conveyance pipes. Trenches were excavated to connect the pipes, and new sections of solid CPT conveyance pipes were installed between the outlet and original conveyance pipes. The trenches were bedded to 150mm with Zone F filter sand, with additional sand placed to 500mm above the pipes. Till material was then placed and plate compacted to surface.

- The Perimeter embankment right abutment upstream toe drain outlet pipe was installed. The downstream seepage collar was bedded in a filter sand/bentonite mix and backfilled with a 10% till/bentonite mix. Zone F filter sand was placed 1m u/s and 2m d/s of this seepage collar to surface. The remainder of the pipe and seepage collars were encased in 25 MPa mass concrete. Between the filter sand and upstream seepage collar, fiber-reinforced concrete was supplied and poured to surface. Both upstream of the first seepage collar and downstream of the filter sand, standard concrete was poured to 200mm above the outlet pipe level. In addition, the T-fitting connection to the upstream toe drain was also encapsulated within concrete.

- Within the Zones B and S sections of the Perimeter embankment right abutment outlet trench, the trench walls were cut back, and till material was placed and compacted in 300mm lifts to surface. Within the downstream access road section of the outlet trench, Zone T rockfill was placed within the trench. Downstream of the access road, the outlet pipe will route flows into a trench, which will be extended to the Perimeter embankment seepage collection pond.

- A trench was excavated within original ground upstream of the Perimeter embankment, for positioning of the non-perforated u/s toe drain between the Main and Perimeter embankments. The solid CPT toe drain was installed within the trench, which was backfilled and plate compacted with the excavated till materials. In an area adjacent to the Perimeter embankment right end outlet trench, the solid u/s toe drain was backfilled and nominally compacted with Zone F filter sand material.

<u>Stage 2C Embankment Construction</u>

- Foundation preparation from CH 28+00 to CH 28+60 of the Perimeter embankment, as well as at the Main embankment right abutment.

- Zone B & S fill placement and compaction was carried out by Peterson Contracting on October 27. Work was carried out within the Perimeter embankment area from CH 28+00 to CH 28+60 (lifts #1 and 2), and from CH 30+65 to CH 30+85 (lift #4).

- Overburden stripping within Borrow Area #2.

- Along the Main embankment, 1 meter height of Zone CS cycloned sand was pushed over the u/s toe drain and filter sand, to the upstream Zone S contact.

- Dozer work was carried out to push down the cycloned sand piles along the upstream Perimeter embankment.

Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	520	3,280	65,000	5.0
B (till)	2,070	14,320	32,000	44.8
CBL (rockfill)	0	0	18,600	0
F (filter sand)	2,300	2,300	2,300	100.0

Note: Fill volumes required for Stage 2C construction have been updated to include for the Perimeter embankment upstream CBL and Zone CS/B design change.

Miscellaneous

- Zone T rockfill was placed upslope of the bio-solids containment area to create a pad for the off-loading of the bio-solids transport trucks.

- Road upgrading at the "5-corners" intersection was carried out for truck access to the bio-solids area.

- The tailings facility reclaim barge was relocated approximately 40 meters upstream within the barge channel.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Downstream Cycloned Sand Trial

- The Plane D and F piezometers within downstream trial berm were monitored daily and the piezometer plots were updated.
- Phase 2 cycloning operations were monitored within the downstream trial area.
- Seepage was observed through the Phase 1 rockfill berm toe at the northwest corner of the cycloned sand trial area. Also during cycloned sand deposition, the Phase 2 sand berm was breached by bulk tailings discharge through a cyclone underflow.

Upstream Toe Drains and Outlet Pipes

- Inspected the preparation, dewatering and toe drain installation within the Main Embankment upstream toe drain trench.
- Inspected installation of the solid u/s toe drain pipe between the Main and Perimeter embankments, as well as the Perimeter embankment right abutment outlet pipe installation.

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Stage 2C Embankment Construction

- Geologic sections through Borrow Area #2 were sent to KP Vancouver, for creation of AutoCAD sections and inclusion of surveyed existing status borrow geometry.
- Piezometer Planes A, B, and C upstream crest piezometer stands were relocated to the upstream Zone S contact, prior to dozing of cycloned sand over the u/s toe drain.
- Foundation conditions were approved for Zones B/S fill placement along the Perimeter embankment CH 28+00 to CH 28+60.
- Nuclear densometer record testing was carried out on all placed and compacted Zone B and S materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Maximum Dry Density (SMDD), and 95% SMDD for Zone S core material. Densometer testing confirmed that the required compaction specifications were achieved.

Miscellaneous

- Progress Report No. 4 was issued for the reporting period October 1 to 15, 1999.
- Daily summaries of QA/QC and construction activities were submitted to MPMC.
- KP Vancouver sent preliminary Stage 3 construction fill quantities to Eric LeNeve (MPMC) for budgeting purposes.
- Leon Gous reviewed the site water balance with Greg Smyth (MPMC).
- Leon Gous inspected the tailings pipeline at the fist 180 degree bend from the mill, at the location of a wear hole.

- Two vibrating wire piezometer leads were damaged during installation of the Main embankment u/s toe drain. These leads were repaired over the reporting period with splice kits.

- Vibrating wire piezometer A1-PE1-04 was installed within the Main embankment u/s toe drain. This piezometer was installed within Zone F filter sand material at instrumentation Plane A.

- A Site Memo was issued to MPMC, summarizing KP on-site work activities to be carried out during the period October 28 to November 2.

- Faxes were sent to RST and SINCO, requesting quotes for supply of Stage 2C vibrating wire piezometers. MPMC ordered the ten (10) required piezometers from SINCO.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

The Perimeter Embankment instrumentation Planes D and F piezometers within the downstream cycloned sand trial berm were monitored daily by Knight Piésold, and are presented on Figures 1 to 10. As shown on these plots, piezometric pressures are still dissipating marginally and indicate virtually drained conditions following completion of the first phase cycloned sand deposition within the downstream trial area on 28-Sept-99.

MPMC representatives read all other active TSF piezometers on October 20, 27 and November 3. The following observations are based on the summary data shown on Figures 11 to 20.

- Foundation Piezometers

  All foundation piezometers have generally remained static and have not reacted to placement of upstream Zone CS material.

- Fill Piezometers

  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) have increased, likely as a result of Zone CS placement. The remainder of the piezometers placed in the engineered fill have remained relatively static.

- Drain Piezometers

  All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers

  Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level, while the tailings piezometers at Plane A have reacted to the placement of Zone CS material.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in Spring 2000, to continue monitoring of all foundation drain flows. Measured foundation drain flows are summarized on Table 1.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. The flows, summarized on Table 2 and Figure 21, increased during the first phase cycloned sand deposition within the downstream trial berm, and began dissipating prior to completion of cycloned sand discharge.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) has not been monitored this season due to a break in the pipe. The pipe will be repaired in the future and readings will recommence.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Over the reporting period, bi-weekly composite samples of overflow and underflow were collected by MPMC from each cyclone. In addition, bi-weekly composite sampling of the mill feed was carried out. All bi-weekly composite cycloned sand underflow, overflow and mill feed tailings samples are tested by MPMC personnel.

Ten (10) concrete test cylinders were previously cast during backfilling of the Main embankment outlet pipe trenches. These cylinders were delivered to the MTS laboratory for compressive strength testing after periods ranging from 3 to 28 days. Test results for four (4) samples were received over the reporting period, with results indicating that the design objectives are being met or exceeded.

During installation of the Main embankment right end outlet pipe, three (3) additional concrete test cylinders were collected and sent to MTS laboratories for compressive strength testing.

As requested by MPMC, filter sand Control sample C/ZFS-6 was collected from the fine ore stockpile and tested over the reporting period. Particle size analysis determined that this material does not contain sufficient fines, and was deemed unsuitable for use as Zone F filter sand material.

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Over the reporting period, three (3) Zone F filter sand Record samples R/ZFS-1, 2, and 3 were collected from the Main embankment upstream toe drain. Particle size analyses were carried out on all samples, which all generally met the gradation specifications. Although Record sample R/ZFS-2 was found to be slightly coarser than the coarse gradation limit, it still met the applicable filter relationships with adjacent construction materials. All Zone F Record samples were therefore considered acceptable as Zone F construction material.

Submitted by,

Ian Manning
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver

08/11/1999

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 935.02m)

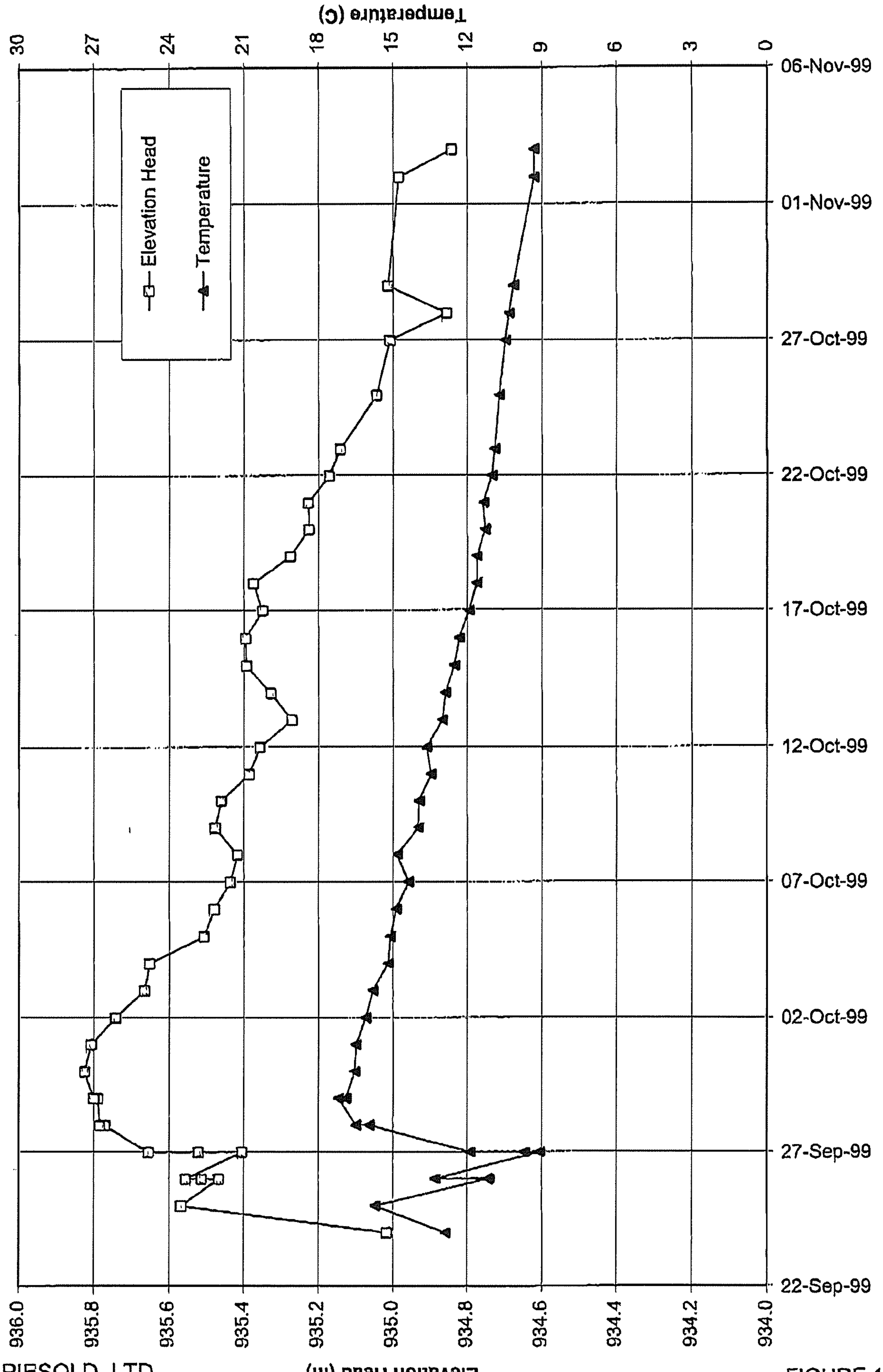

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FIGURE 1

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-03
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 934.17m)

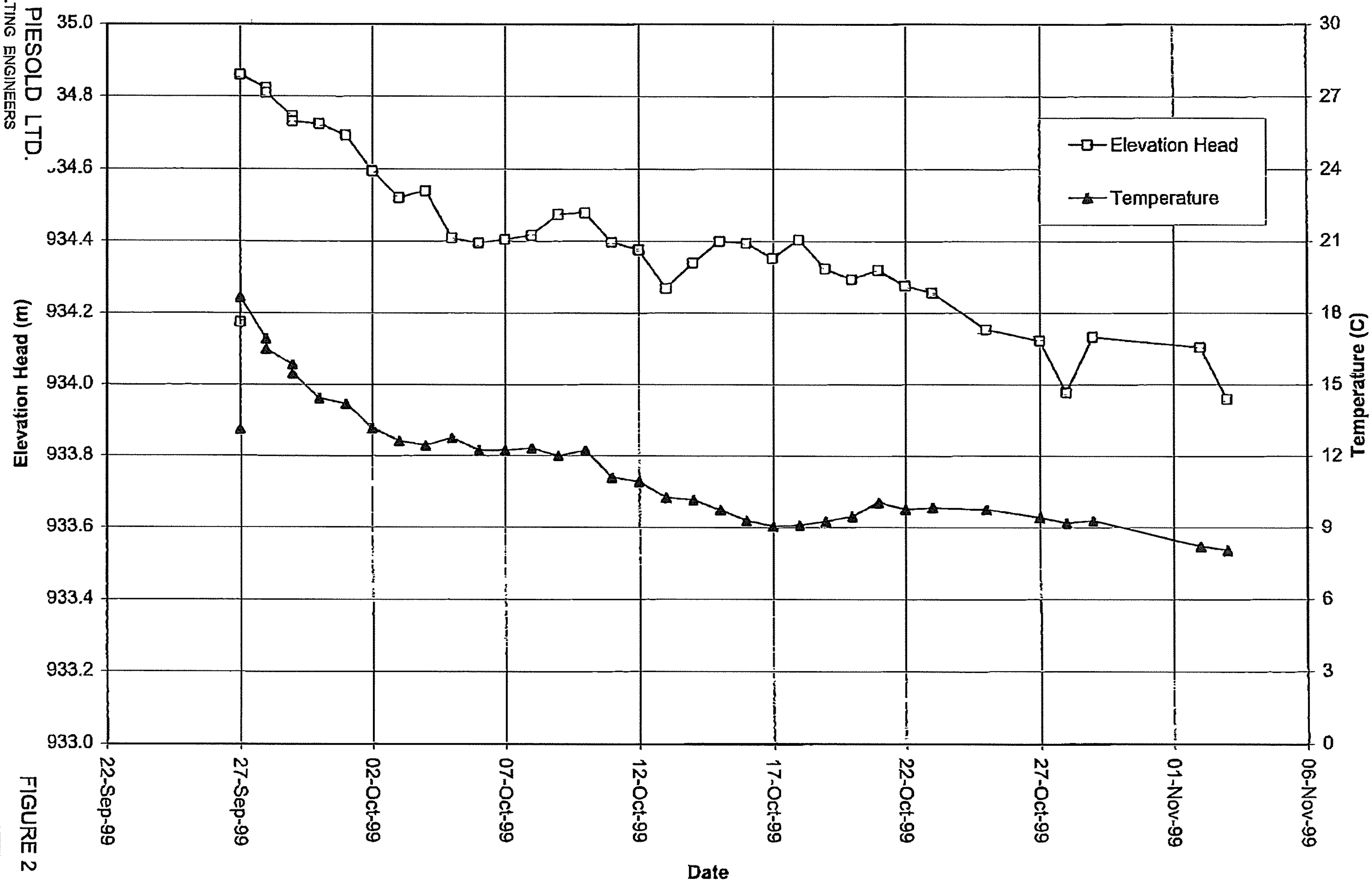

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FIGURE 2

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-04
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 933.27m)

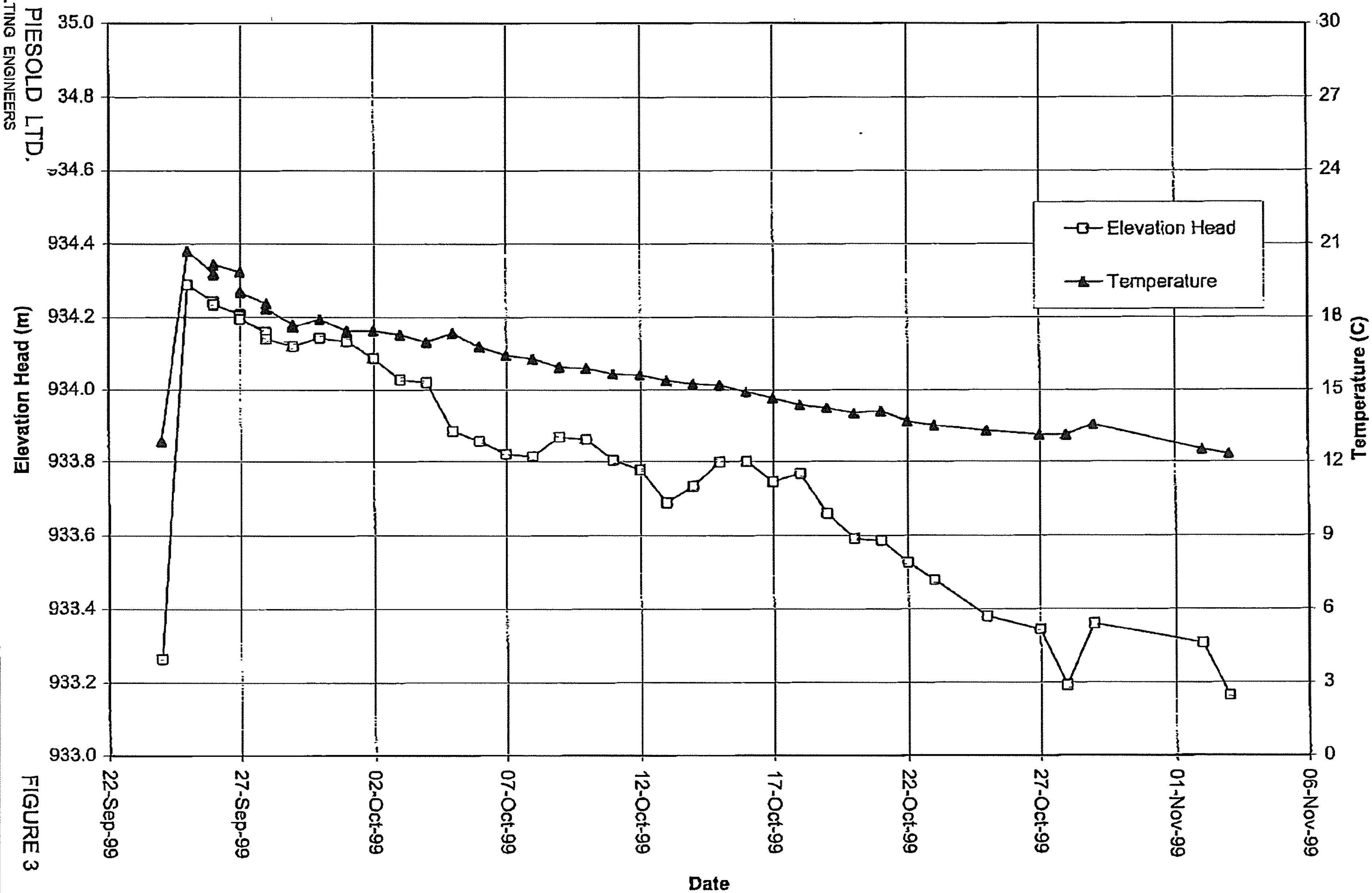

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FIGURE 3

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.36m)

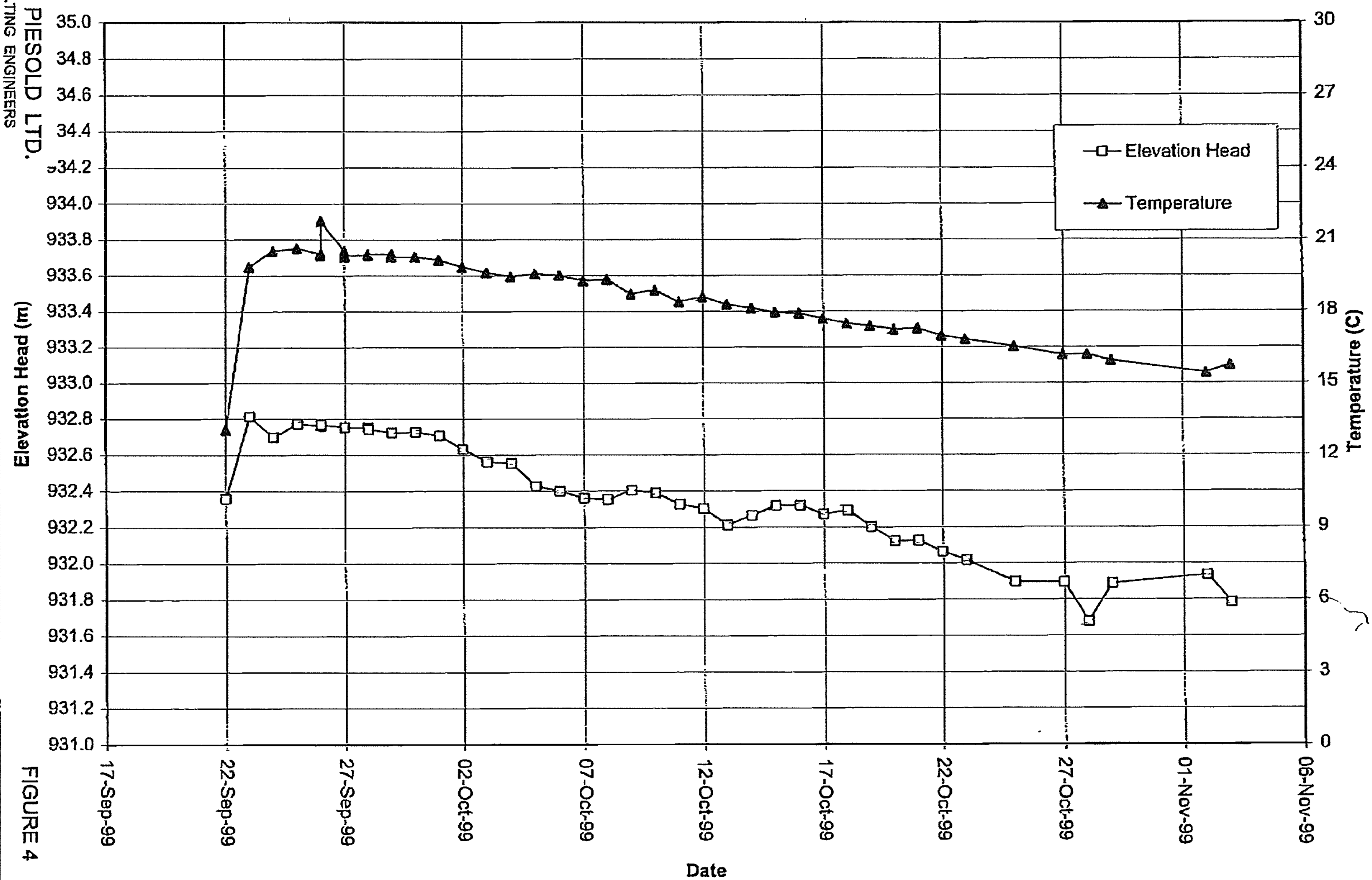

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FIGURE 4

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-06
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.09m)

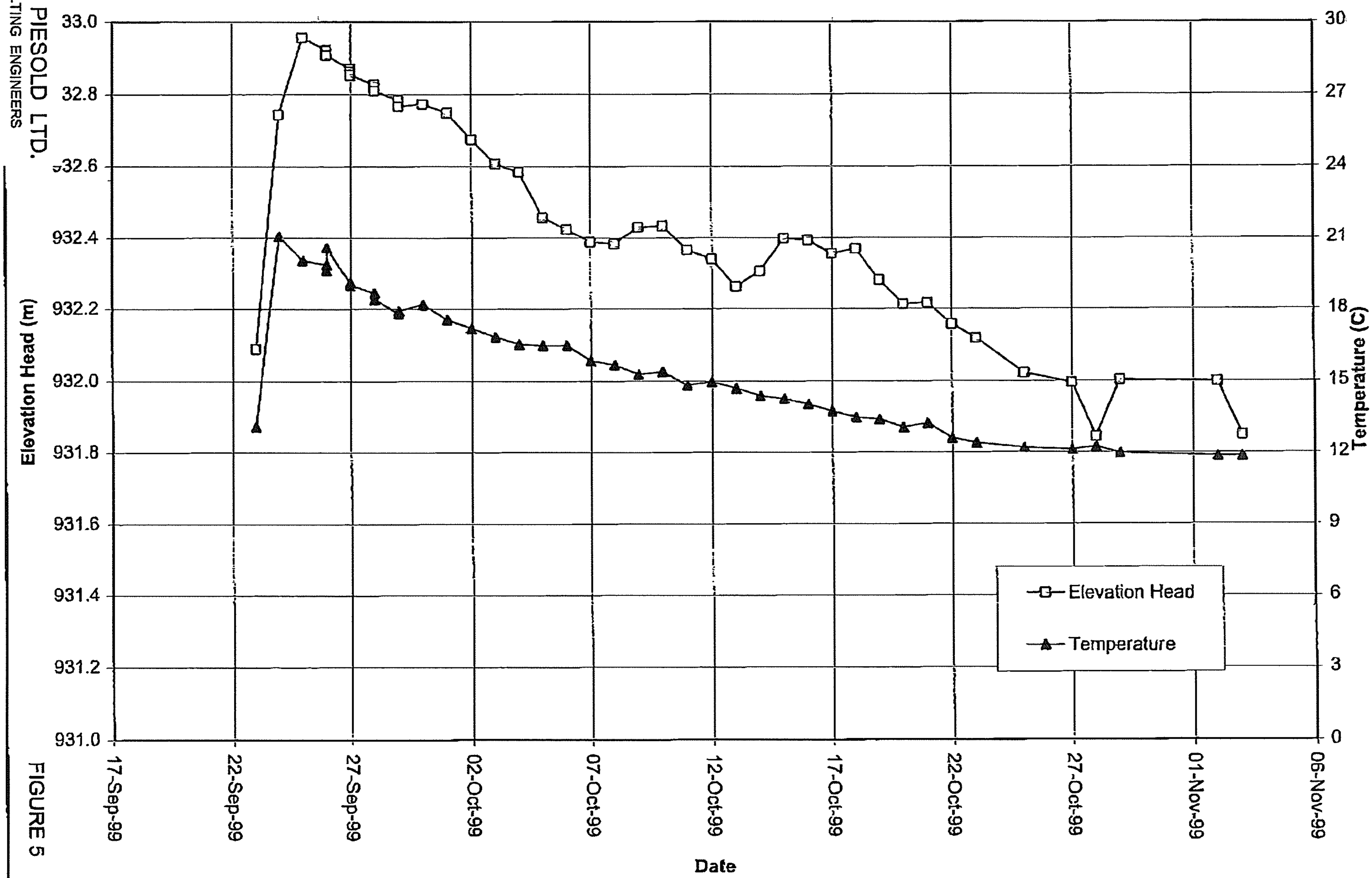

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FIGURE 5

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-01
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 935.00m)

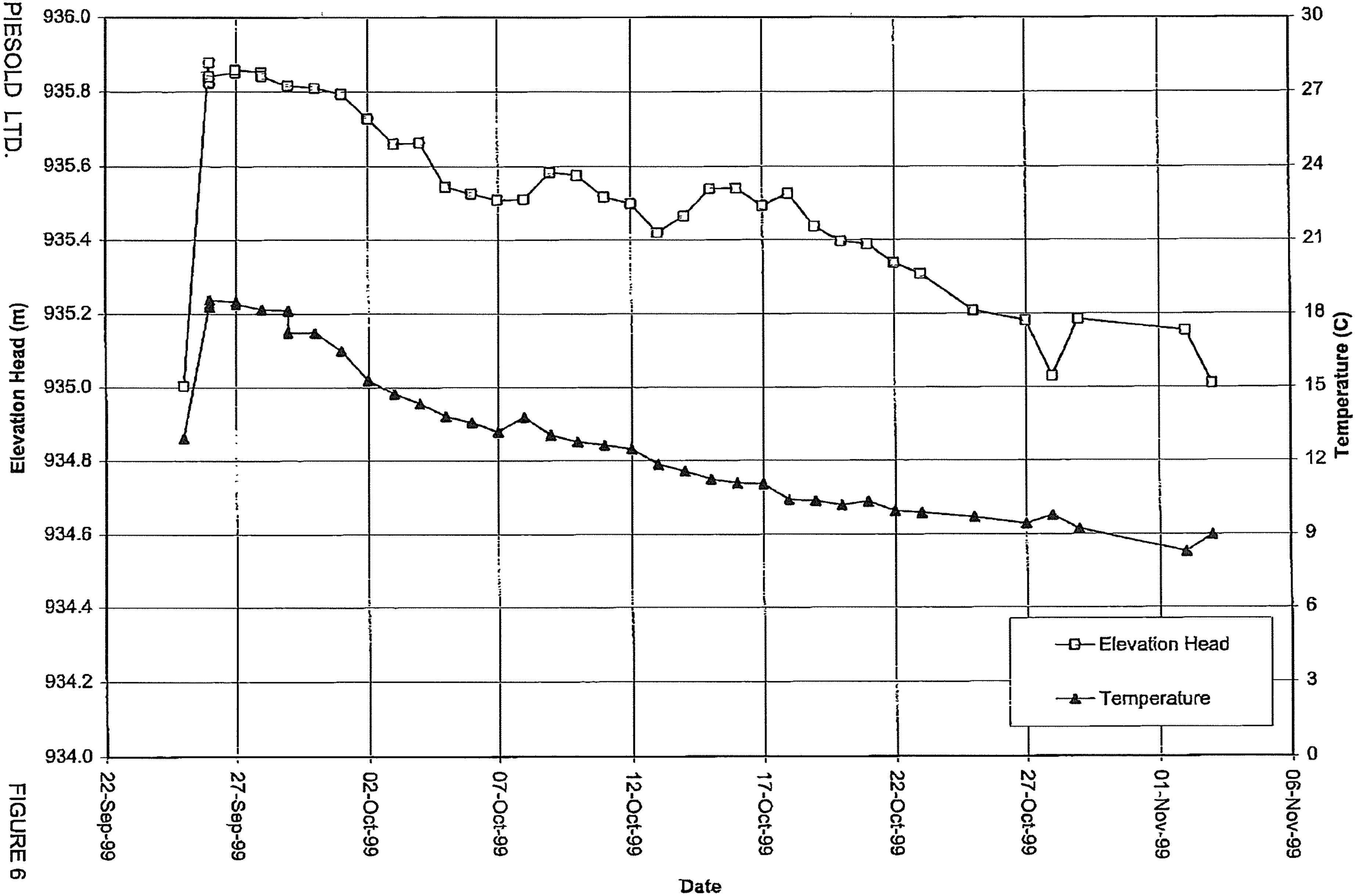

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FIGURE 6

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 934.16m)

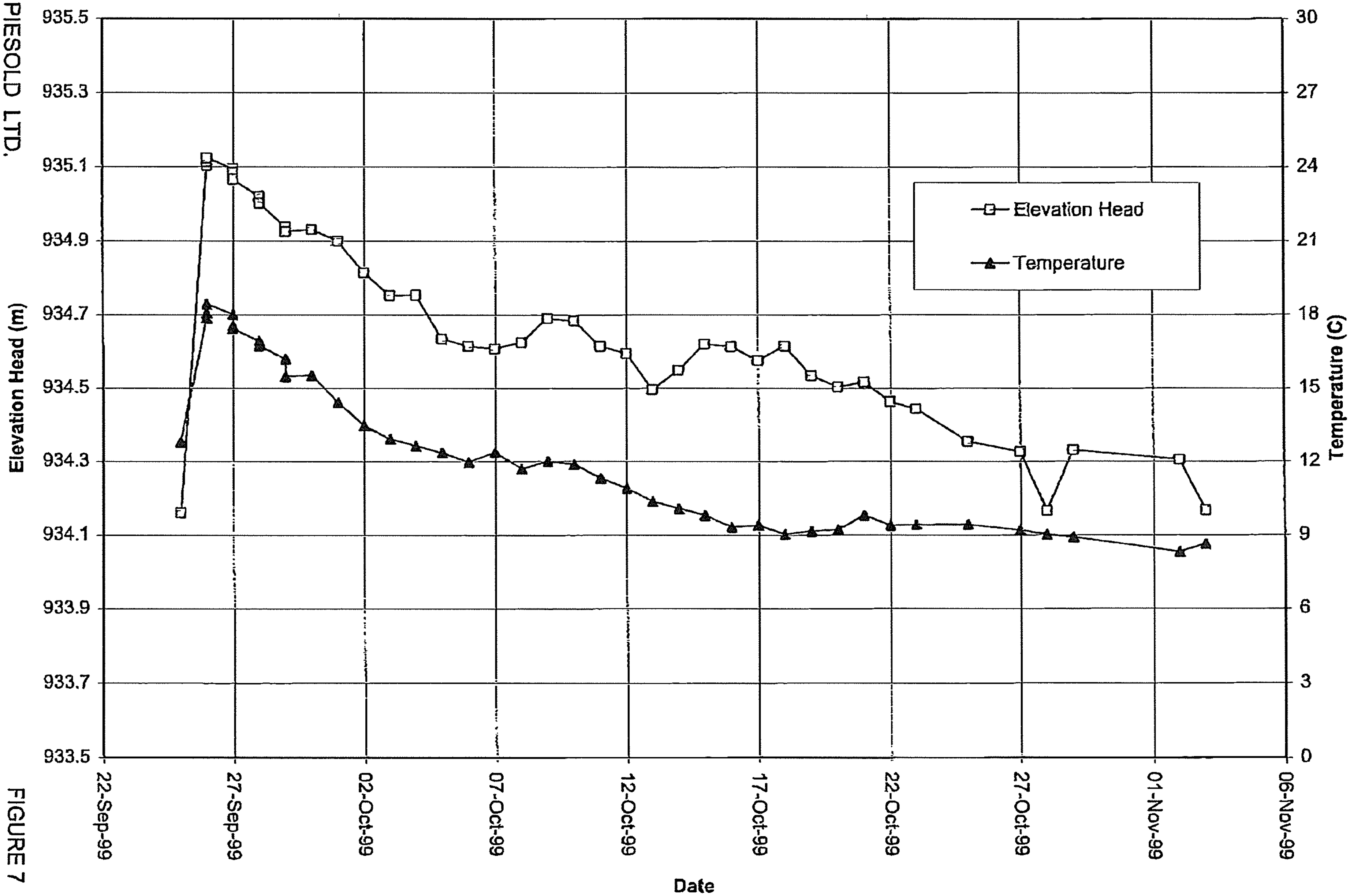

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FIGURE 7

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08/11/1999

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-03
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 933.28m)

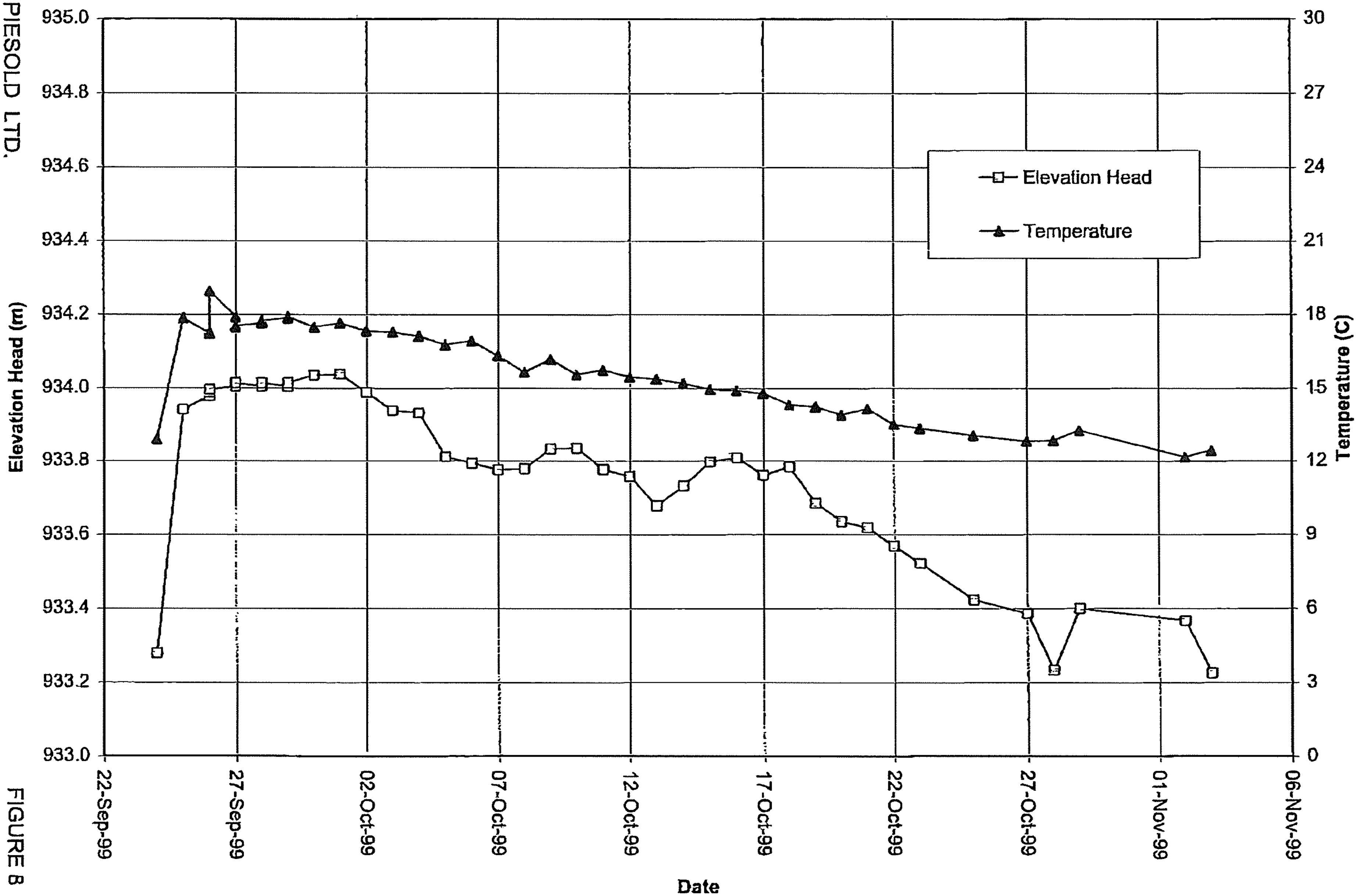

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FIGURE 8

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-04
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.38m)

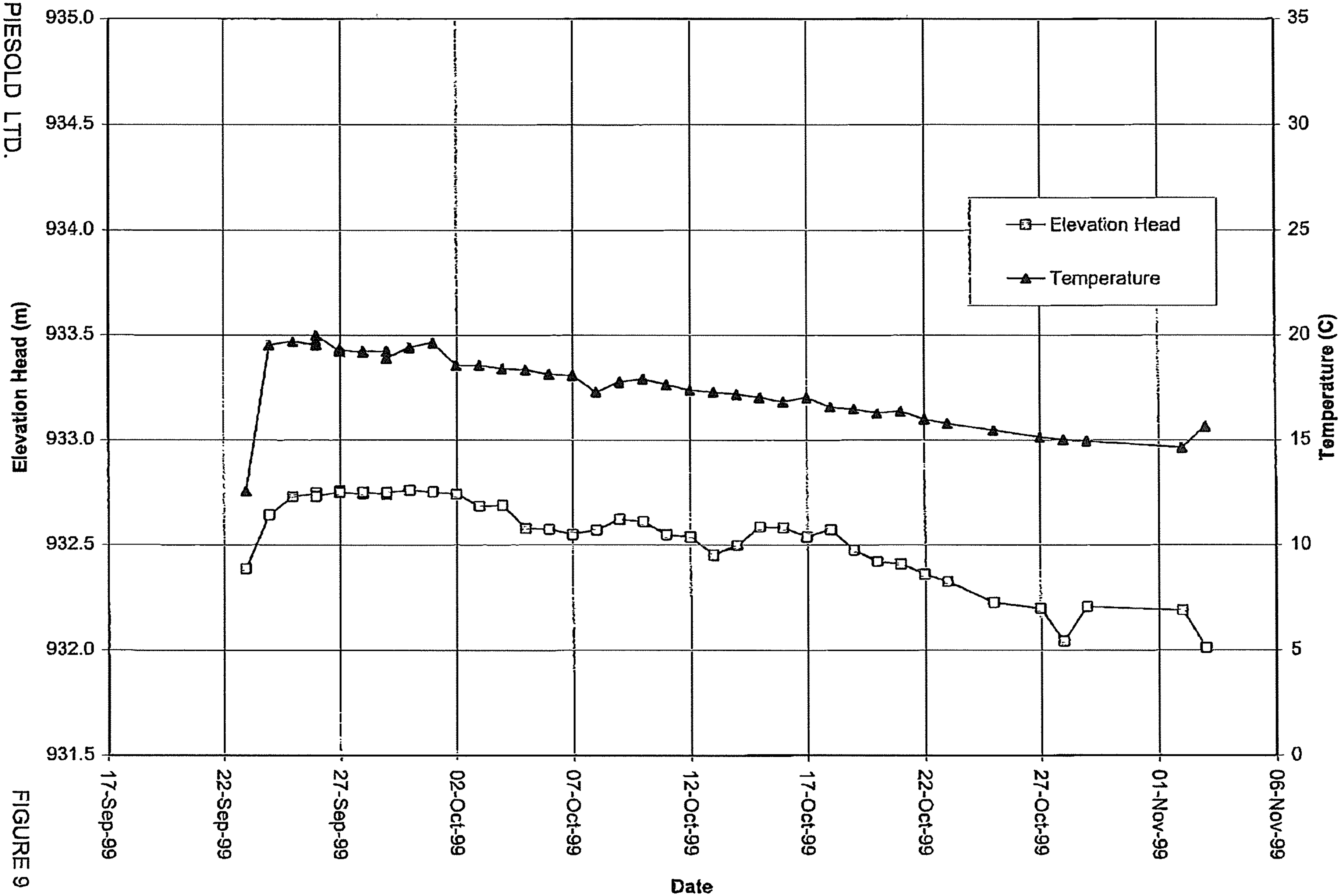

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FIGURE 9

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.10m)

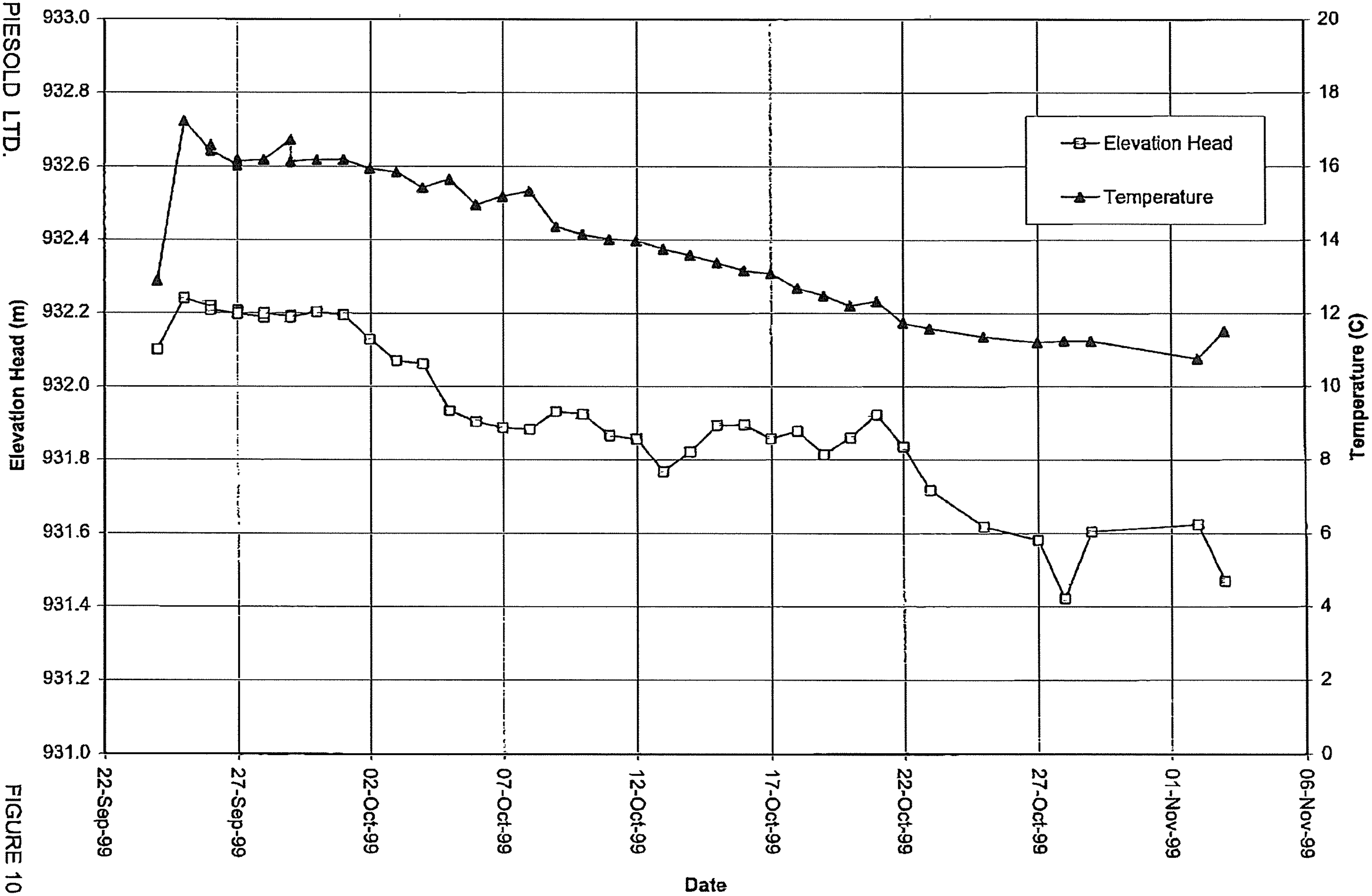

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FIGURE 10

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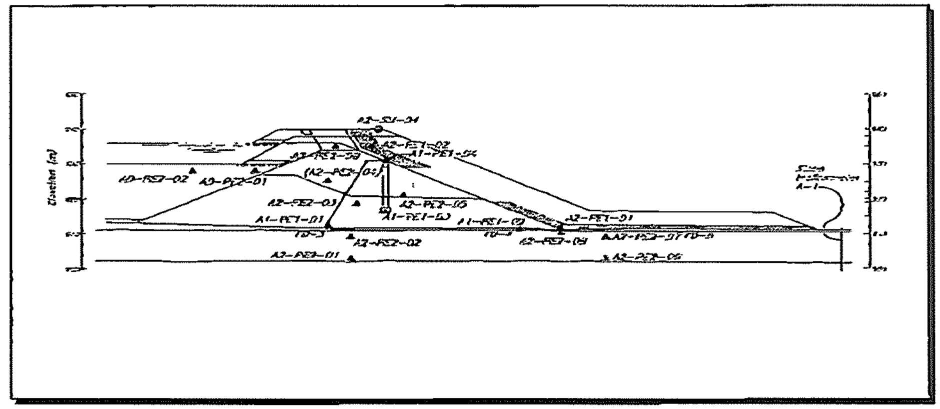
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



Pond Level	Fill Elevation	A0-PE2-01
A0-PE2-02	A1-PE1-01	A1-PE1-02
A1-PE1-03	A2-PE1-01	A2-PE2-01
A2-PE2-02	A2-PE2-03	A2-PE2-05
A2-PE2-06	A2-PE2-07	A2-PE2-08

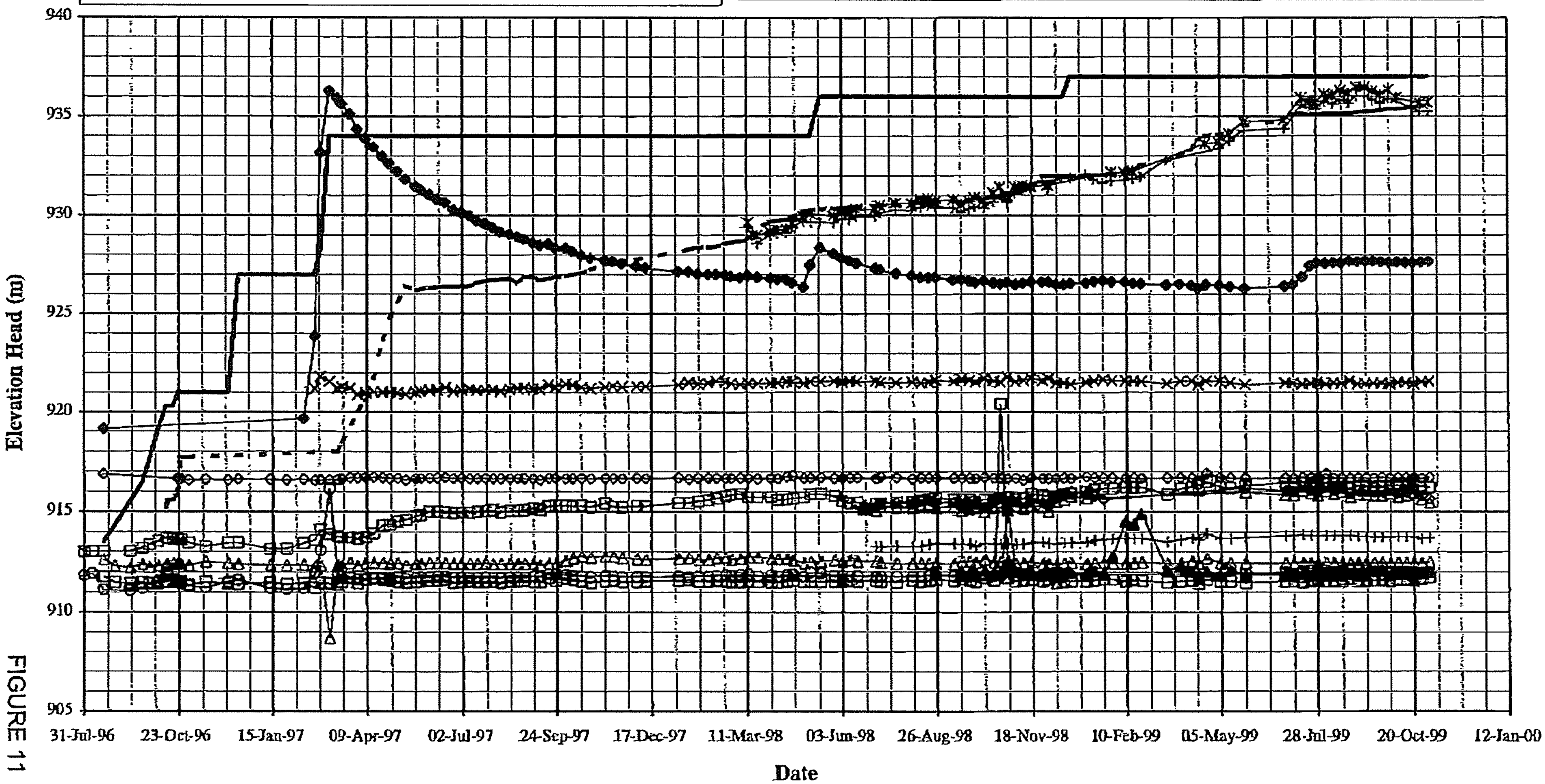


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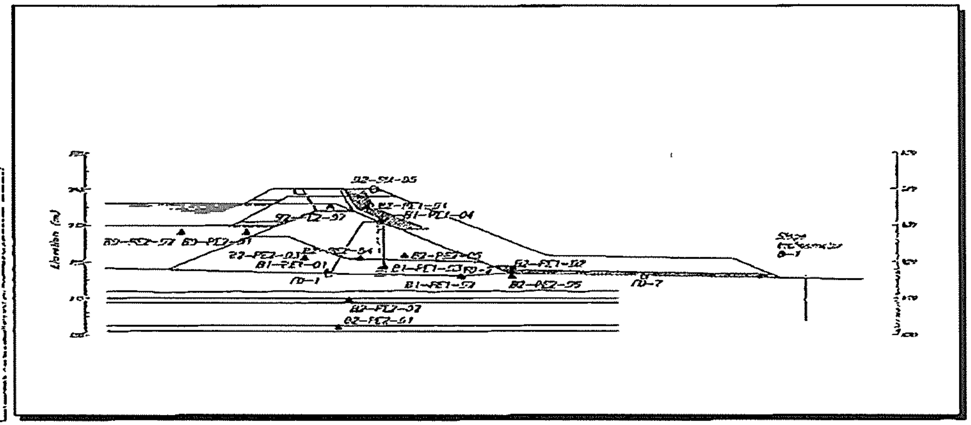
FIGURE 11

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



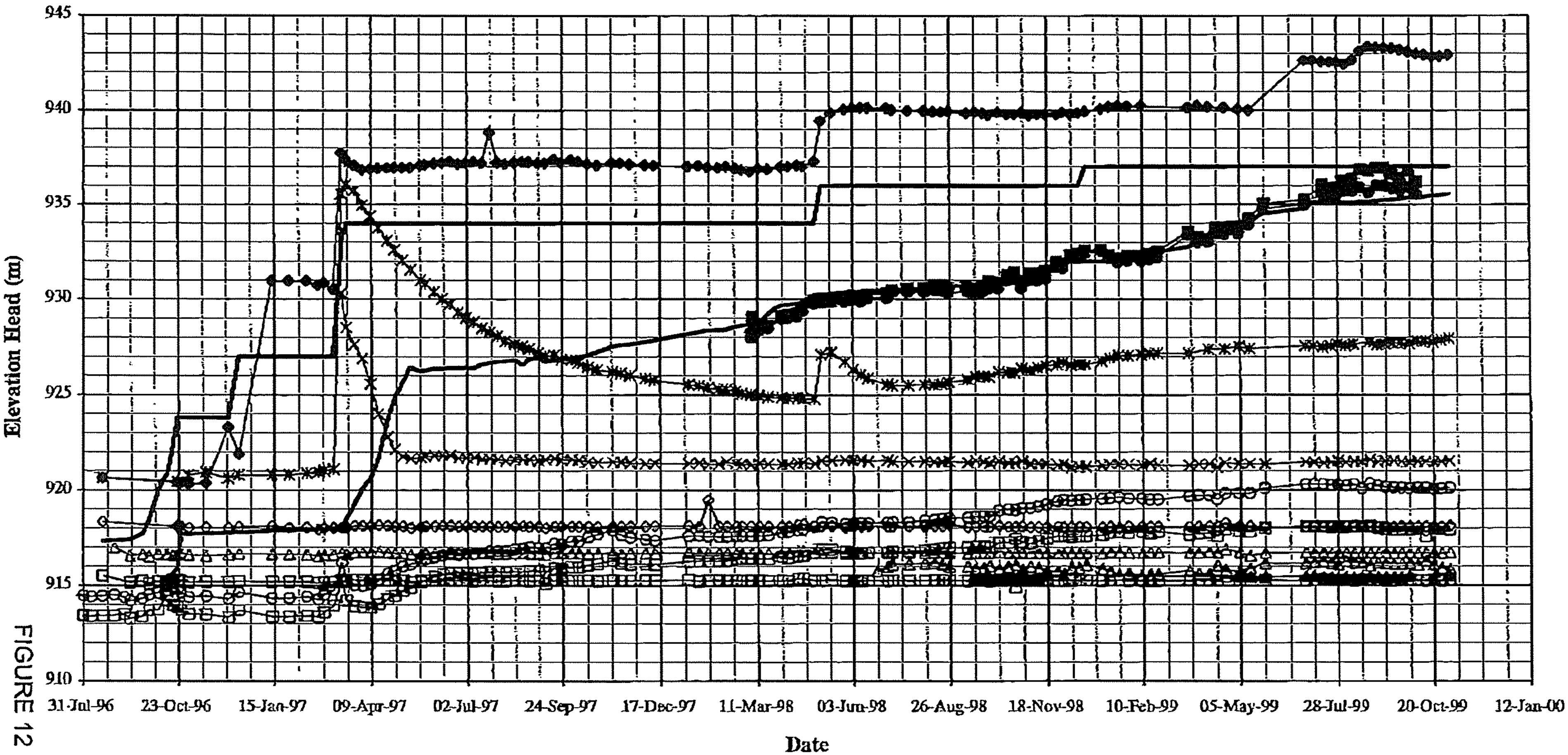


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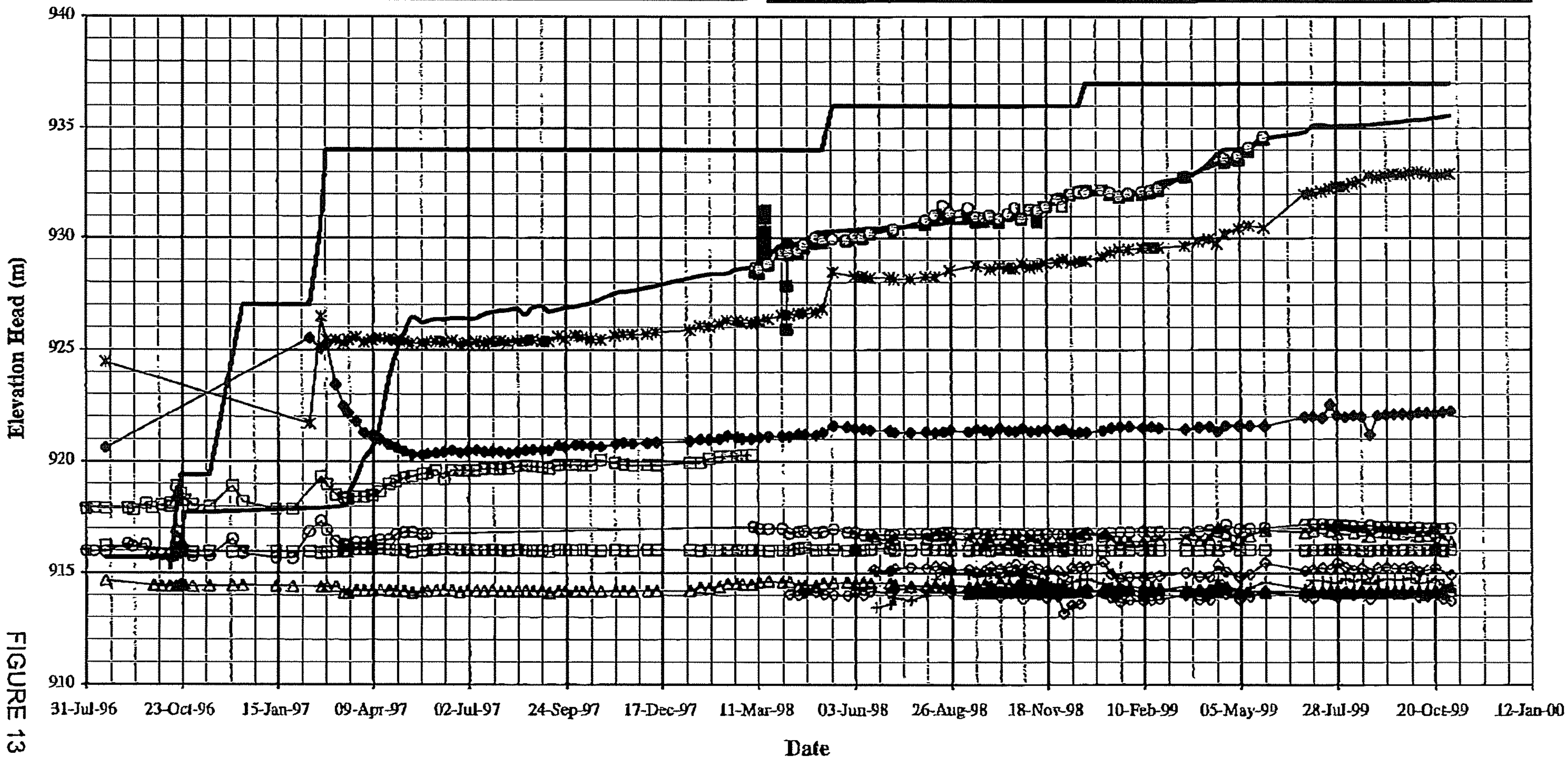
FIGURE 12

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



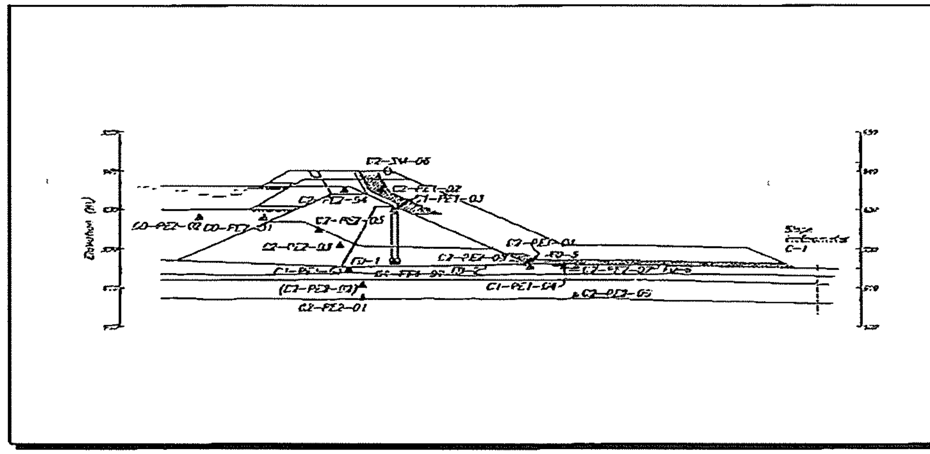


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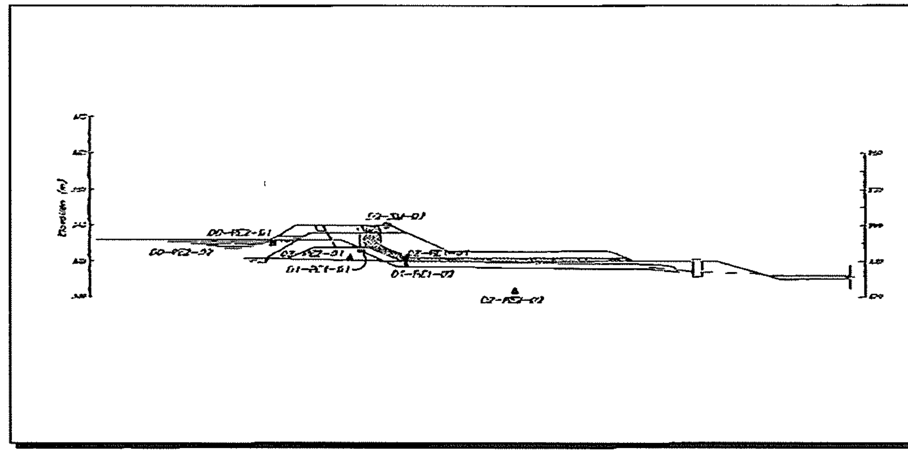
FIGURE 13

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



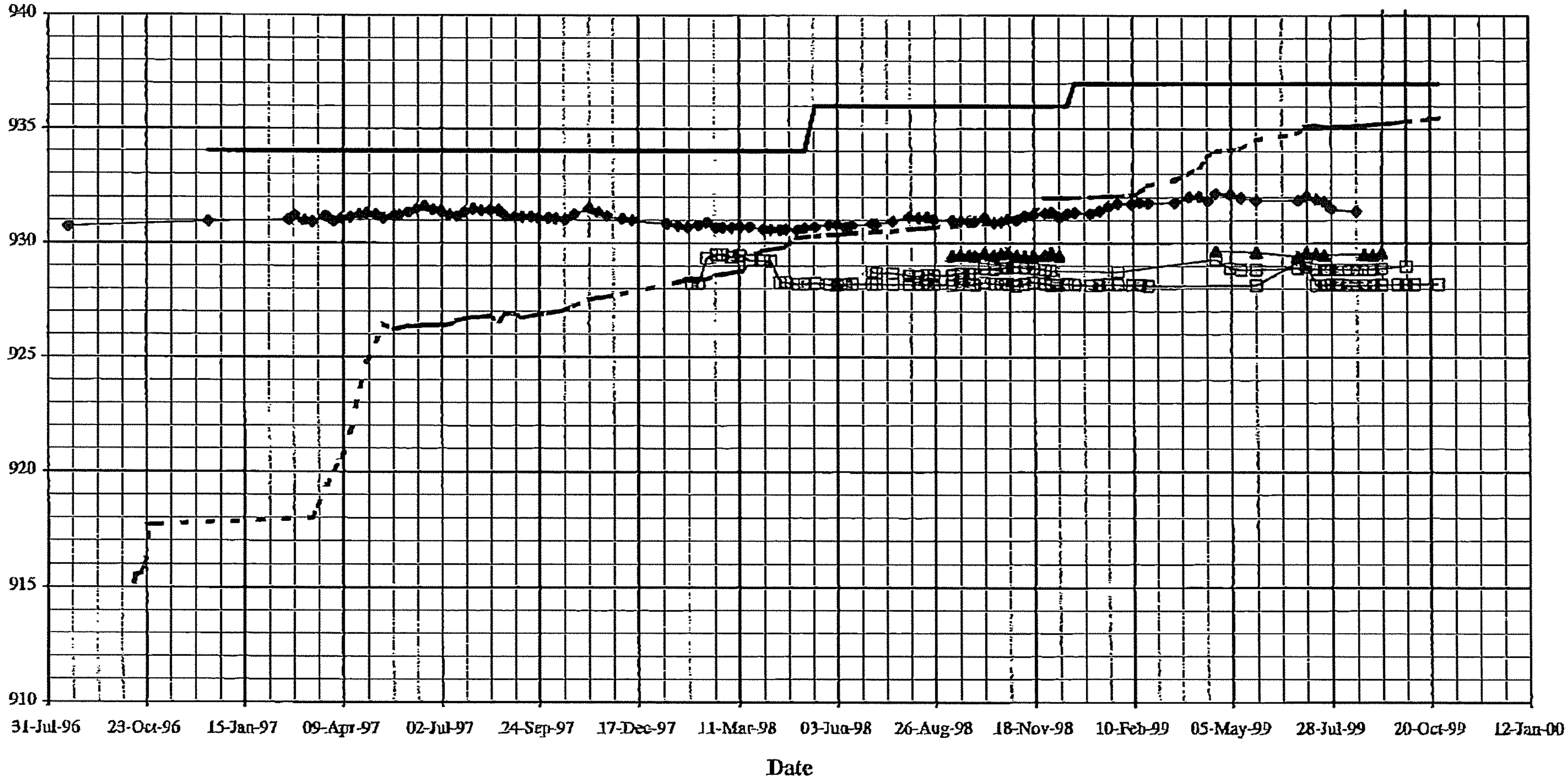


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FIGURE 14

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

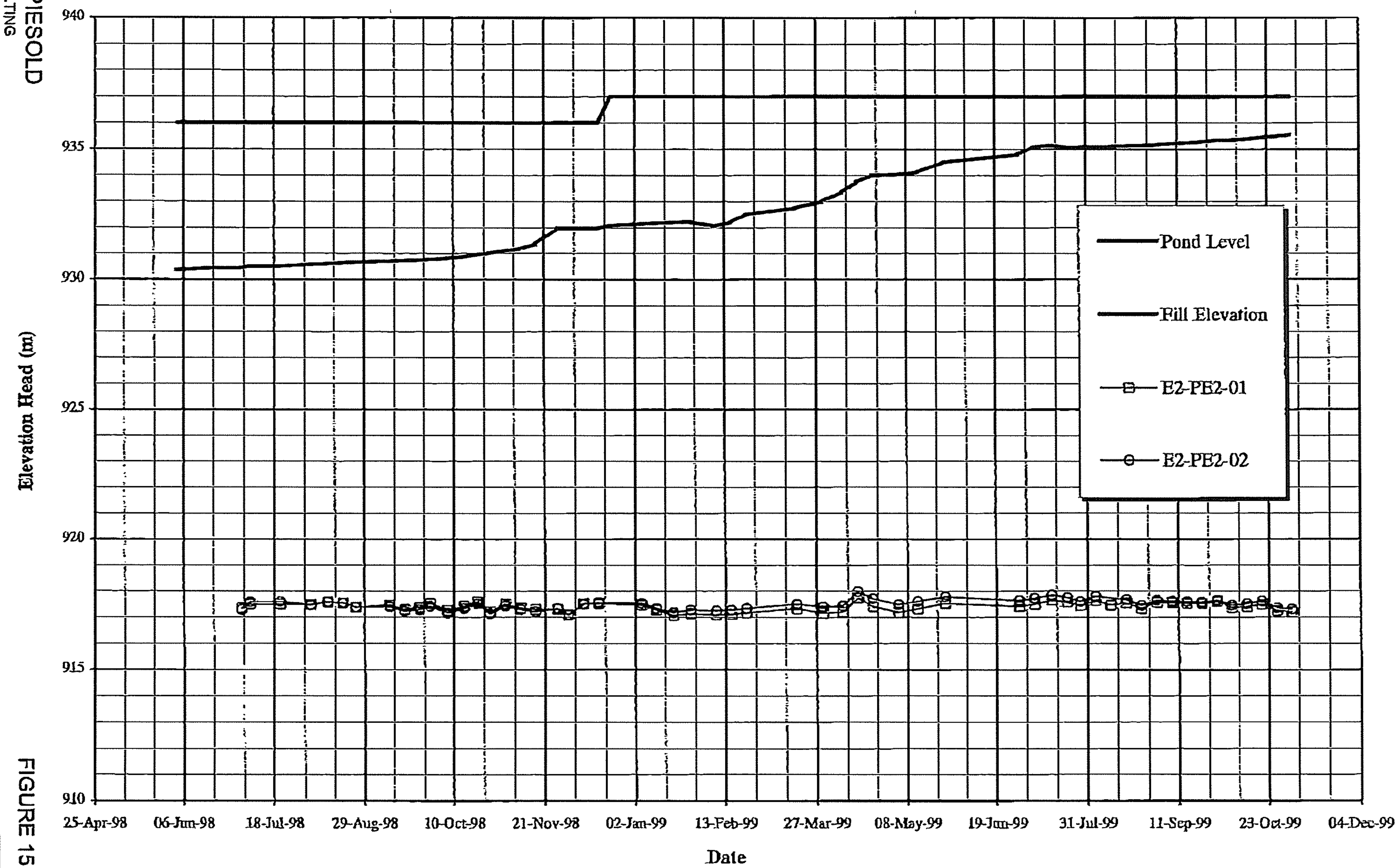

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FIGURE 15

MPPiez-a.xls Fdn Piezos 08/11/1999 11:54 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

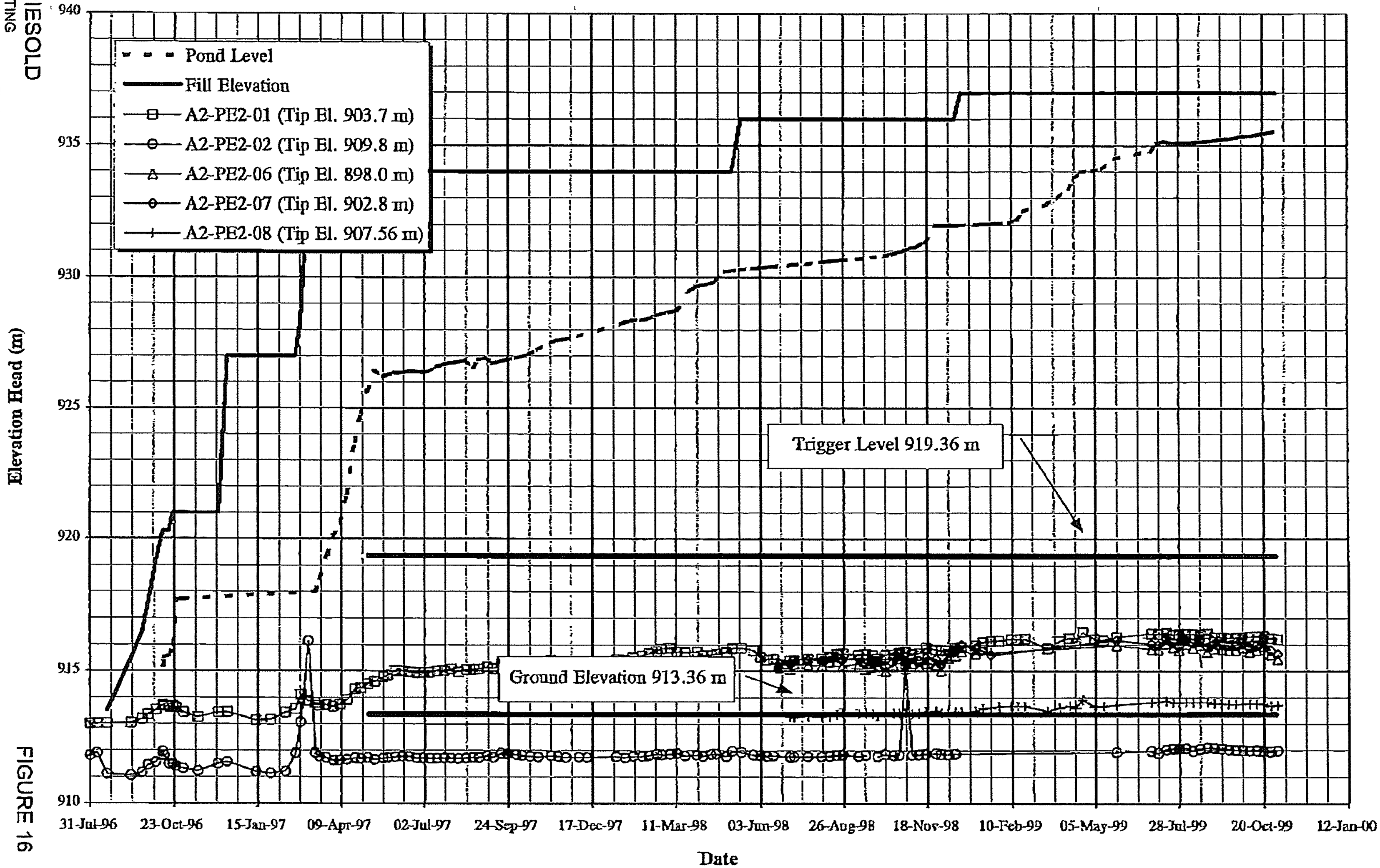

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FIGURE 16

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

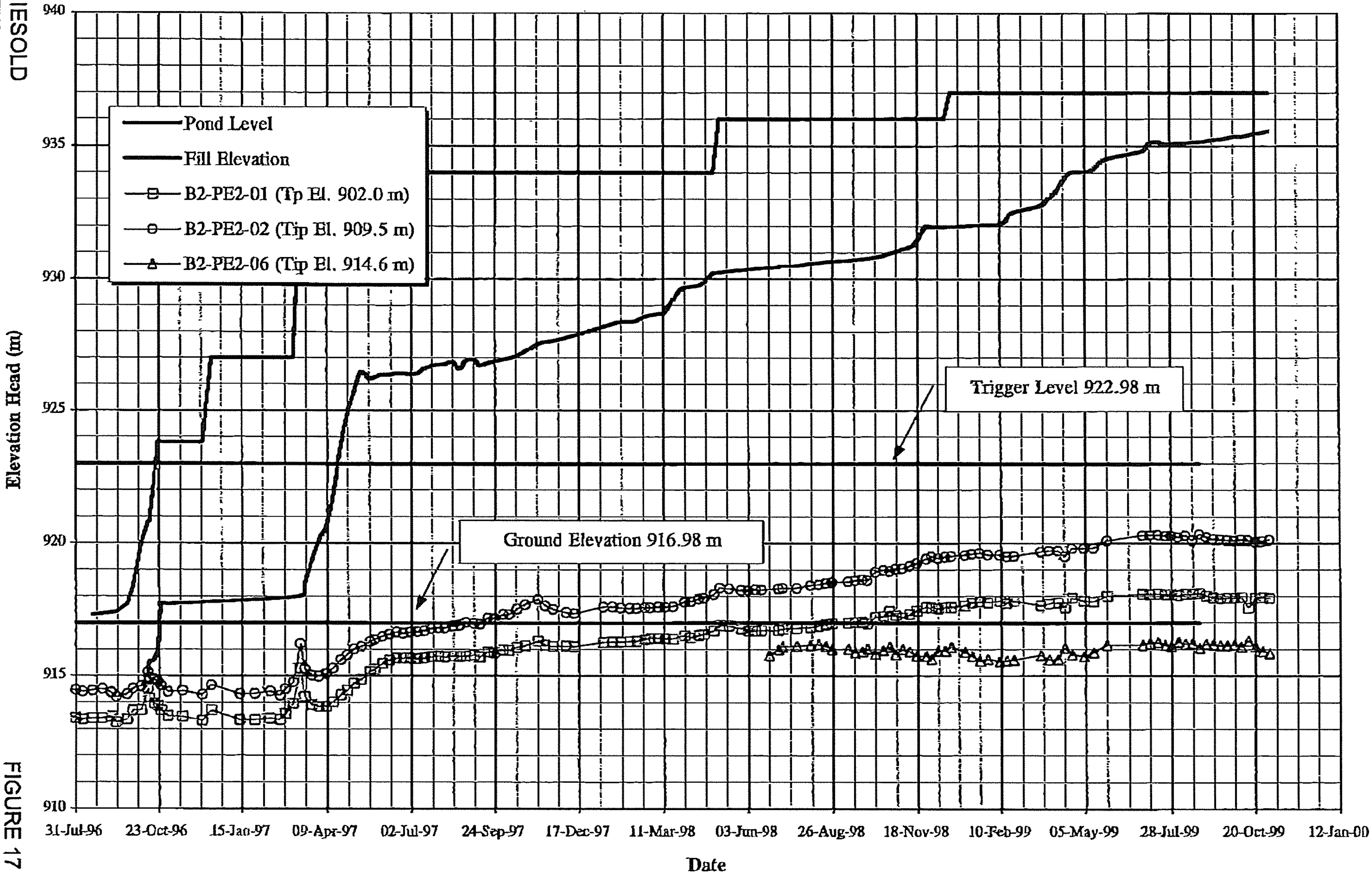

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FIGURE 17

MPPiez-c.xls Fdn Piezos 08/11/1999 11:54 AM

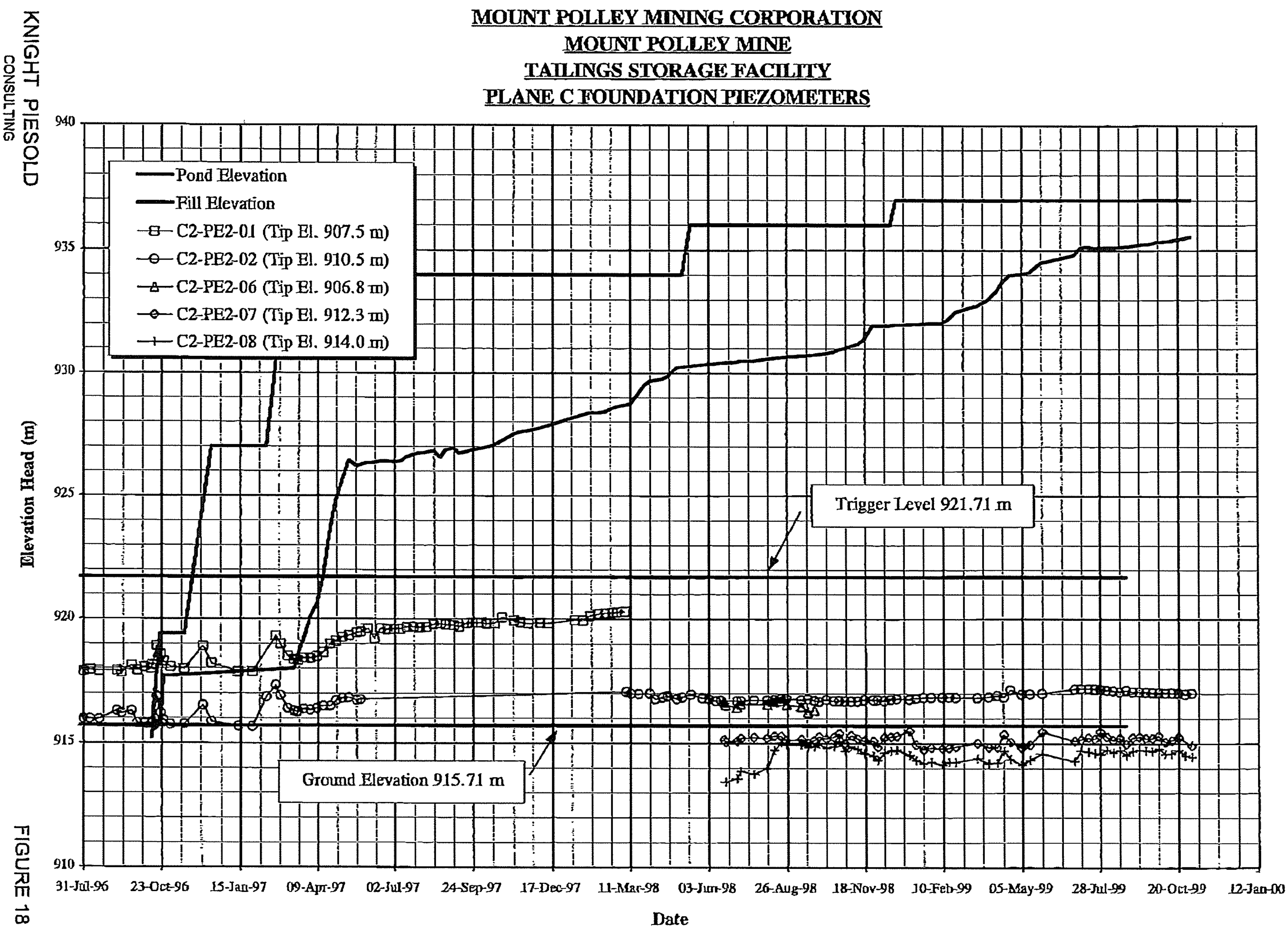

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FIGURE 18

MPPiez-d.xls fdn piezos 08/11/1999 11:55 AM

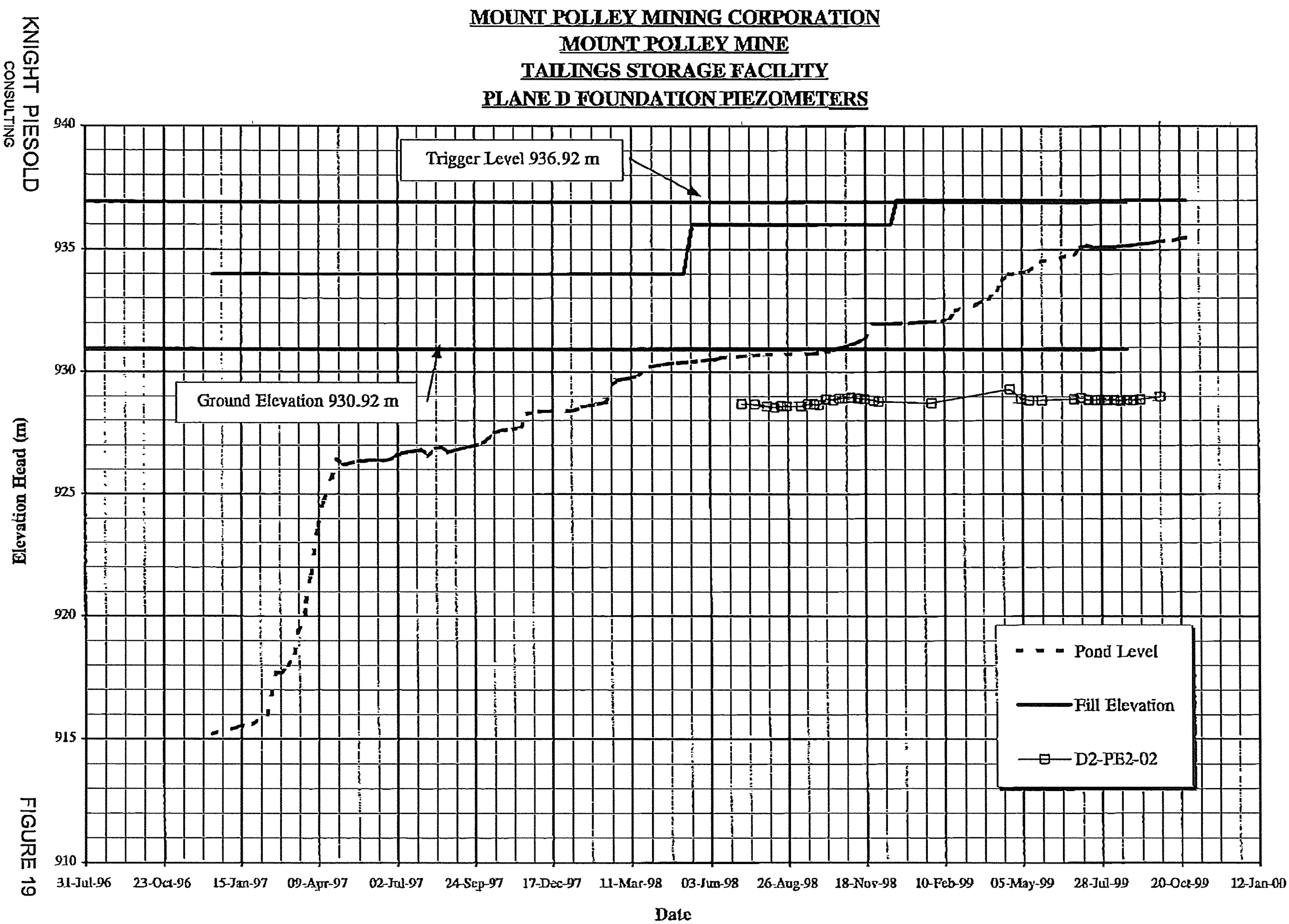

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FIGURE 19

MPPiez-e.xls Fdn Piezos

08/11/1999 11:55 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS

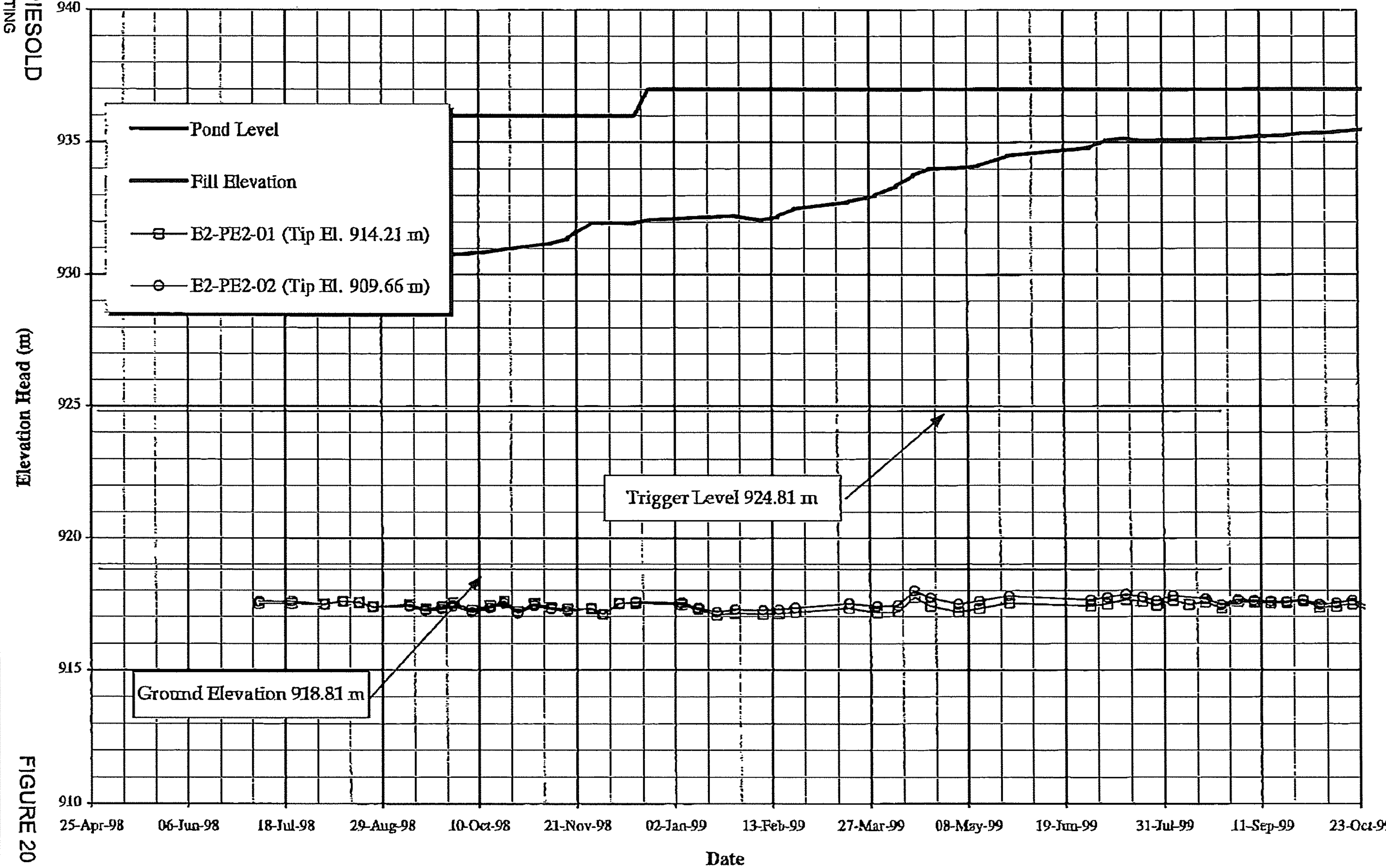

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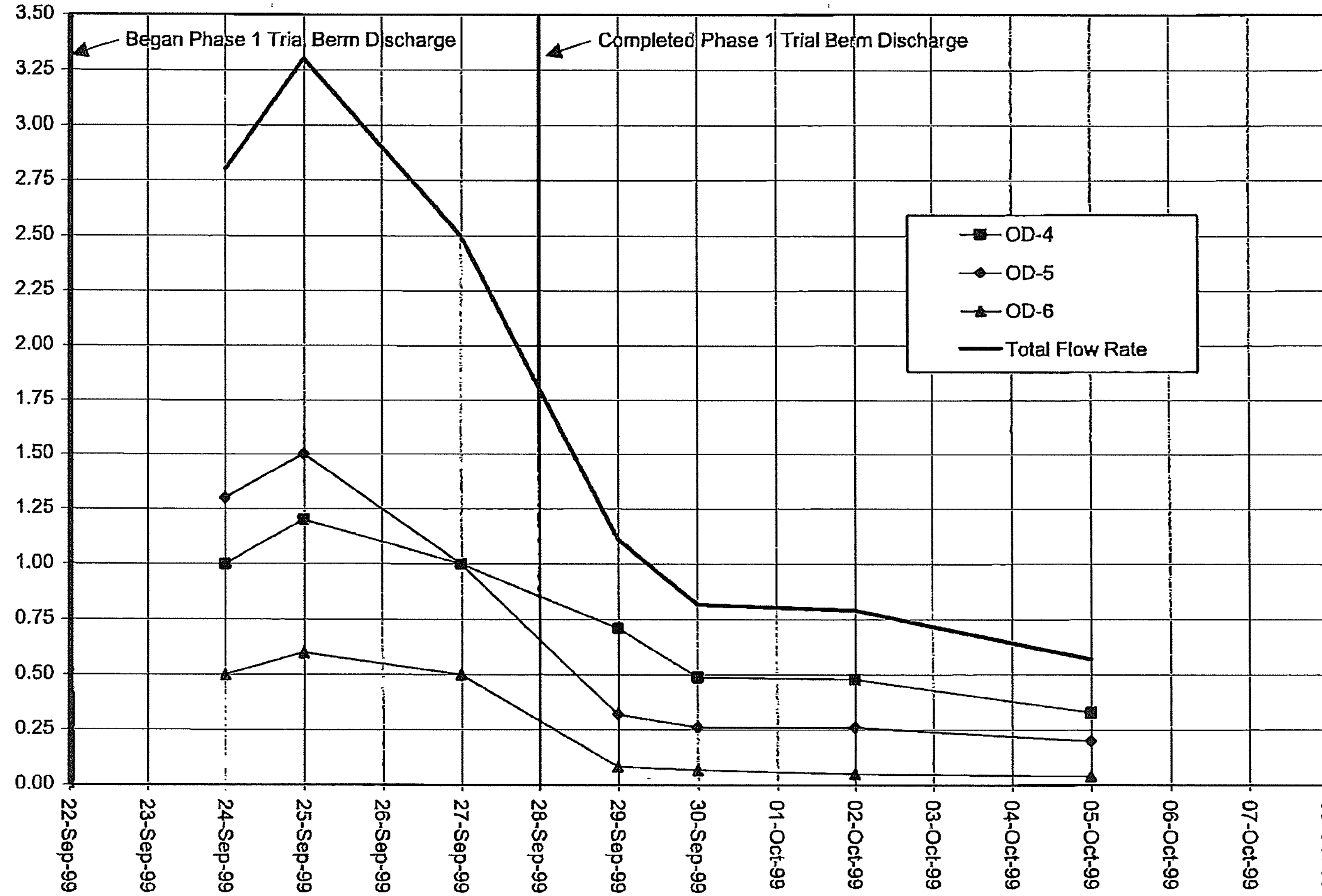
FIGURE 20

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY
PERIMETER EMBANKMENT OUTLET DRAIN FLOWS



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

FIGURE 21

TABLE 1

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

[illegible]

Note: The elevation for the top of the casing for Ground Water Well GW96-9 is approximately 916.73 m. The ground elevation is 915.18 m.

November 8, 1999

SAMPLING DATE	FD-1			FD-2			FD-3			FD-4			FD-5			Total Flow Rate			Pond El (m)	GW96-9 (GW Well)
	Flow Rate			Flow Rate			Flow Rate			Flow Rate			Flow Rate							Elev. Above Top of Casing of well 9 (m)
Date	FD-1(l/min)	(l/sec)	Comments	FD-2(l/min)	(l/sec)	Comments	FD-3(l/min)	(l/sec)	Comments	FD-4(l/min)	(l/sec)	Comments	FD-5(l/min)	(l/sec)	Comments	Total(l/min)	(l/sec)	Comments	Pond Elev.	
28-Aug-96	4.62	0.08	Clear	0.49	0.01	Clear	5.37	0.09	Clear	1.77	0.03	Tr. cloudy	-	-	-	12.25	0.20	FD-3, FD-4 incomplete		
01-Sep-96	3.55	0.06	Clear	0.82	0.01	Clear	6.56	0.11	Cloudy	1.25	0.02	V. Cloudy	-	-	-	12.18	0.20	FD-3, FD-4 incomplete		
05-Sep-96	2.60	0.04	Clear	0.62	0.01	Clear	2.71	0.05	Clear	0.93	0.02	Cloudy	-	-	-	6.86	0.11	FD-3, FD-4 incomplete		
10-Sep-96	2.04	0.03	Clear	0.66	0.01	Clear	2.17	0.04	Clear	0.81	0.01	Clear	-	-	-	5.68	0.09	FD-3, FD-4 incomplete		
27-Sep-96	3.10	0.05	Clear	0.70	0.01	Clear	3.10	0.05	Clear	1.00	0.02	Clear	-	-	-	7.90	0.13	FD-3, FD-4 incomplete		
05-Oct-96	4.94	0.08	Clear	0.77	0.01	Clear	4.33	0.07	Tr. cloudy	6.16	0.10	Tr. cloudy	-	-	-	16.20	0.27	FD-3, FD-4 incomplete		
12-Oct-96	3.90	0.07	Clear	1.00	0.02	Clear	3.50	0.06	Clear	1.80	0.03	Clear	-	-	-	10.20	0.17	FD-3, FD-4 incomplete	915.20	
13-Oct-96	4.20	0.07	Clear	0.90	0.02	Clear	13.50	0.23	Clear	1.70	0.03	Clear	-	-	-	20.30	0.34	FD-3 complete, FD-4 incomplete	915.50	
14-Oct-95	3.80	0.06	Clear	1.00	0.02	Clear	15.00	0.25	Clear	5.40	0.09	Clear	-	-	-	25.20	0.42	FD-3 complete, FD-4 complete	915.23	
17-Oct-96	5.90	0.10	Clear	0.80	0.01	Clear	16.60	0.28	Clear	5.40	0.09	Clear	-	-	-	28.70	0.48		915.44	
18-Oct-96	9.80	0.16	Clear	1.00	0.02	Clear	26.10	0.44	Clear	9.00	0.15	Clear	-	-	-	45.90	0.77		915.59	
22-Oct-96	6.20	0.10	Clear	0.80	0.01	Clear	20.40	0.34	Clear	5.90	0.10	Clear	-	-	-	33.30	0.56		915.63	
27-Oct-96	6.00	0.10	Clear	1.50	0.03	Clear	24.20	0.40	Clear	6.40	0.11	Clear	-	-	-	38.10	0.64		916.00	
15-Mar-97	3.89	0.06	Clear	1.35	0.02	Clear	8.91	0.15	Clear	3.19	0.05	Clear	-	-	-	17.34	0.29	pig installed, sump pumped out	918.00	
16-Mar-97	3.48	0.06	Clear	1.15	0.02	Clear	8.37	0.14	Clear	2.87	0.05	Clear	-	-	-	15.88	0.26	pig installed, sump pumped out	918.20	
02-Apr-97	2.10	0.04	Clear	1.12	0.02	Clear	8.40	0.14	Clear	3.46	0.06	Clear	-	-	-	15.08	0.25	pig installed, sump pumped out	920.27	
23-Apr-97	4.14	0.07	Clear	0.94	0.02	Clear	11.56	0.19	Clear	2.35	0.04	Clear	-	-	-	18.99	0.32	pig installed, sump pumped out	923.70	
24-Apr-97	3.16	0.05	Clear	0.84	0.01	Clear	12.73	0.21	Clear	2.05	0.03	Clear	-	-	-	18.78	0.31	pig installed, sump pumped out	923.75	
29-Apr-97	2.90	0.05	Clear	0.59	0.01	Clear	10.32	0.17	Clear	1.71	0.03	Clear	-	-	-	15.52	0.26	pig installed, sump pumped out	924.81	
08-May-97	3.60	0.06	Clear	0.76	0.01	Clear	14.15	0.24	Clear	1.92	0.03	Clear	-	-	-	20.43	0.34	pig out, pumped down	925.86	
13-May-97	4.04	0.07	Clear	0.79	0.01	Clear	14.85	0.25	Clear	1.95	0.03	Clear	-	-	-	21.63	0.36	pig out, pumped down	926.43	
20-May-97	4.11	0.07	Clear	0.77	0.01	Clear	17.09	0.28	Clear	1.85	0.03	Clear	-	-	-	23.82	0.40	pig out, pumped down	926.20	
28-May-97	3.99	0.07	Clear	0.80	0.01	Clear	15.71	0.26	Clear	1.87	0.03	Clear	-	-	-	22.37	0.37	pig out, pumped down	926.23	
10-Jun-97	4.15	0.07	Clear	0.82	0.01	Clear	18.35	0.31	Clear	1.89	0.03	Clear	-	-	-	25.21	0.42	pig out, pumped down	926.34	
17-Jun-97	4.10	0.07	Clear	0.78	0.01	Clear	19.93	0.33	Clear	1.85	0.03	Clear	-	-	-	26.66	0.44	pig out, pumped down	926.40	
24-Jun-97	3.97	0.07	Clear	0.84	0.01	Clear	17.24	0.29	Clear	1.83	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.39	
01-Jul-97	3.93	0.07	Clear	0.69	0.01	Clear	14.72	0.25	Clear	1.73	0.03	Clear	-	-	-	21.07	0.35	pig out, pumped down	926.38	
08-Jul-97	4.05	0.07	Clear	0.72	0.01	Clear	18.07	0.30	Clear	1.88	0.03	Clear	-	-		24.72	0.41	pig out, pumped down	926.39	
15-Jul-97	4.11	0.07	Clear	0.88	0.01	Clear	15.38	0.26	Clear	2.24	0.04	Clear	-	-	-	22.61	0.38	pig out, pumped down	926.57	
22-Jul-97	4.06	0.07	Clear	0.91	0.02	Clear	15.83	0.26	Clear	2.05	0.03	Clear	-	-	-	22.85	0.38	pig out, pumped down	926.66	
29-Jul-97	4.40	0.07	Clear	0.85	0.01	Clear	20.48	0.34	Clear	2.11	0.04	Clear	-	-	-	27.84	0.46	pig out, pumped down	926.73	
05-Aug-97	4.13	0.07	Clear	0.79	0.01	Clear	18.35	0.31	Clear	1.97	0.03	Clear	-	-	-	25.24	0.42	pig out, pumped down	926.75	
13-Aug-97	4.12	0.07	Clear	0.78	0.01	Clear	24.19	0.40	Clear	2.02	0.03	Clear	-	-	-	31.11	0.52	pig out, pumped down	926.82	
20-Aug-97	4.13	0.07	Clear	0.76	0.01	Clear	15.95	0.27	Clear	1.80	0.03	Clear	-	-	-	22.64	0.33	pig out, pumped down	926.75	
26-Aug-97	4.62	0.08	Clear	0.76	0.01	Clear	18.75	0.31	Clear	1.92	0.03	Clear	-	-	-	26.05	0.43	pig out, pumped down	926.86	
03-Sep-97	4.48	0.07	Clear	0.76	0.01	Clear	16.95	0.28	Clear	1.76	0.03	Clear	-	-	-	23.95	0.40	pig out, pumped down	926.93	
09-Sep-97	4.57	0.08	Clear	0.75	0.01	Clear	16.04	0.27	Clear	1.81	0.03	Clear	-	-	-	23.17	0.39	pig out, pumped down	926.71	
17-Sep-97	4.62	0.08	Clear	0.77	0.01	Clear	16.71	0.28	Clear	1.78	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.88	
23-Sep-97	4.64	0.08	Clear	0.78	0.01	Clear	17.75	0.30	Clear	1.83	0.03	Clear	-	-	-	25.00	0.42	pig out, pumped down	926.85	
02-Oct-97	4.78	0.08	Clear	0.82	0.01	Clear	16.76	0.28	Clear	1.86	0.03	Clear	-	-	-	24.22	0.40	pig out, pumped down	926.92	0.055
08-Oct-97	4.69	0.08	Clear	0.81	0.01	Clear	16.01	0.27	Clear	1.95	0.03	Clear	-	-	-	23.46	0.39	pig out, pumped down	926.97	0.065
16-Oct-97	5.14	0.09	Clear	1.11	0.02	Clear	17.86	0.30	Clear	2.31	0.04	Clear	-	-	-	26.42	0.44	pig out, pumped down	927.06	0.065
24-Oct-97	5.13	0.09	Clear	0.92	0.02	Clear	16.23	0.27	Clear	1.98	0.03	Clear	-	-	-	24.26	0.40	pig out, pumped down	927.23	0.065
06-Nov-97	5.51	0.09	Clear	1.20	0.02	Clear	17.70	0.30	Clear	2.39	0.04	Clear	-	-	-	26.80	0.45	pig out, pumped down	927.51	Frozen
13-Nov-97	4.90	0.08	Clear	0.65	0.01	Clear	18.58	0.31	Clear	1.87	0.03	Clear	-	-	-	26.00	0.43	pig out, pumped down	927.60	Frozen
21-Nov-97	4.37	0.07	Clear	0.76	0.01	Clear	17.91	0.30	Clear	1.79	0.03	Clear	-	-	-	24.83	0.41	pig out, pumped down	927.63	Frozen
28-Nov-97	4.14	0.07	Clear	0.77	0.01	Clear	18.18	0.30	Clear	1.85	0.03	Clear	-	-	-	24.94	0.42	pig out, pumped down	927.65	Frozen
04-Dec-97	4.03	0.07	Clear	0.85	0.01	Clear	17.67	0.29	Clear	1.78	0.03	Clear	-	-	-	24.33	0.41	pig out, pumped down	927.75	Frozen

TABLE 1 (continued)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

02-Jan-98	3.81	0.06	Clear	0.74	0.01	Clear	16.30	0.27	Clear	3.73	0.03	Clear	-	-	-	22.58	0.38	pig out, pumped down	928.10	Frozen
14-Jan-98	3.85	0.06	Clear	0.80	0.01	Clear	16.57	0.28	Clear	3.77	0.03	Clear	-	-	-	22.99	0.38	pig out, needs pumping	928.25	Frozen
21-Jan-98	3.57	0.06	Clear	0.74	0.01	Clear	16.42	0.27	Clear	1.82	0.03	Clear	-	-	-	22.55	0.38	pig out, needs pumping	928.30	Frozen
08-Apr-98	3.84	0.06	Clear	0.67	0.01	Clear	15.54	0.26	Clear	1.52	0.03	Clear	-	-	-	21.57	0.36	pig out, pond pumped down	929.70	-
17-Apr-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	929.85	-
25-May-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	930.10	-
02-Jun-98	3.52	0.06	Clear	0.78	0.01	Clear	15.58	0.26	Clear	1.42	0.02	Clear	6.80	0.11	Clear	28.10	0.47	pig out, pond pumped down	930.36	-
10-Jun-98	3.83	0.06	Clear	0.79	0.01	Clear	14.60	0.24	Clear	1.44	0.02	Clear	7.51	0.13	Clear	28.17	0.47	pig out, pond pumped down	930.39	-
16-Jun-98	3.77	0.06	Clear	0.78	0.01	Clear	16.35	0.27	Clear	1.41	0.02	Clear	7.93	0.13	Clear	30.24	0.50	pig out, pond pumped down	930.42	-
03-Jul-98	3.89	0.06	Clear	0.76	0.01	Clear	16.14	0.27	Clear	2.37	0.04	Clear	12.53	0.21	Clear	35.69	0.59	FD-5 is spilling onto FD-4 providing higher values than normal	930.45	
07-Jul-98	3.71	0.06	Clear	0.72	0.01	Clear	16.03	0.27	Clear	2.22	0.04	Clear	9.66	0.16	Clear	32.34	0.54	negative value is below top of casing	930.50	-0.135
24-Jul-98	3.53	0.06	Clear	0.72	0.01	Clear	15.75	0.26	Clear	1.96	0.03	Clear	8.70	0.15	Clear	30.66	0.51	-	930.58	0.28
12-Aug-98	3.46	0.06	Clear	0.62	0.01	Clear	15.96	0.27	Clear	1.90	0.03	Clear	7.30	0.12	Clear	29.24	0.49	-	930.61	0.33
19-Aug-98	3.17	0.05	Clear	0.56	0.01	Clear	15.83	0.26	Clear	2.26	0.04	Clear	8.08	0.13	Clear	29.90	0.50	-	930.64	-
10-Sep-98	3.60	0.06	Clear	0.57	0.01	Clear	16.35	0.27	Clear	2.03	0.03	Clear	8.02	0.13	Clear	30.57	0.51	-	930.70	-
17-Sep-98	3.53	0.06	Clear	0.63	0.01	Clear	16.42	0.27	Clear	2.20	0.04	Clear	8.32	0.14	Clear	31.30	0.52	-	930.73	-
24-Sep-98	3.62	0.06	Clear	0.64	0.01	Clear	15.61	0.26	Clear	2.06	0.03	Clear	7.77	0.13	Clear	29.73	0.50	-	930.77	-
07-Oct-98	3.72	0.06	Clear	1.05	0.02	Clear	14.22	0.24	Clear	2.36	0.04	Clear	13.39	0.22	Clear	34.74	0.58	positive value is above top of casing	930.81	0.18
15-Oct-98	3.82	0.06	Clear	1.10	0.02	Clear	14.53	0.24	Clear	2.56	0.04	Clear	15.83	0.26	Clear	37.64	0.63	-	930.87	
21-Oct-98	3.94	0.07	Clear	1.12	0.02	Clear	15.35	0.26	Clear	2.95	0.05	Clear	18.46	0.31	Clear	41.82	0.70	-	930.95	
17-Nov-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Sump flooded, needs to be pumped		0.11
27-Nov-98	4.21	0.07	Clear	1.01	0.02	Clear	14.28	0.24	Clear	2.35	0.04	Clear	11.76	0.20	Clear	33.62	0.56		931.35	-0.03
02-Dec-98	4.35	0.07	Clear	0.92	0.02	Clear	14.16	0.24	Clear	2.37	0.04	Clear	31.46	0.19	Clear	33.26	0.55		931.97	-0.03
09-Dec-98	4.34	0.07	Clear	0.79	0.01	Clear	16.56	0.28	Clear	2.01	0.03	Clear	9.78	0.16	Clear	33.49	0.56		931.97	Frozen
16-Dec-98	4.33	0.07	Clear	0.97	0.02	Clear	13.92	0.23	Clear	2.83	0.05	Clear	19.32	0.32	Clear	41.37	0.69		931.97	Frozen
22-Dec-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded, needs to be pumped down	931.99	Frozen
05-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.00	Frozen
12-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.02	Frozen
30-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.03	Frozen
28-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.05	Frozen
09-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.06	Frozen
16-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.07	Frozen
23-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.08	Frozen
18-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	933.08	Frozen
30-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	934.08	Frozen
08-Apr-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	935.08	Frozen
29-Sep-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		26.40	0.44	Clear	#N/A	#N/A	FD-5 above sump water surface	935.34	

TABLE 2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

PERIMETER EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

H:\ENG\DATA\Engdocs\Geotechnical\Weekly Piezo Readings\[FD-mon OD-mon.xls]OD-Mon

November 8, 1999

SAMPLING DATE	OD-4			OD-5			OD-6			Total Flow Rate		
	Flow Rate			Flow Rate			Flow Rate					
Date	OD4(l/min)	(l/sec)	Comments	OD5(l/min)	(l/sec)	Comments	OD6(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments
17-Sep-99	#NA	#NA		#NA	#NA		#NA	#NA		-	-	Drains Flooded
24-Sep-99	60.00	1.00		78.00	1.30		30.00	0.50		168.00	2.80	Flows Estimated
25-Sep-99	72.00	1.20		90.00	1.50		36.00	0.60		198.00	3.30	Flows Estimated
27-Sep-99	60.00	1.00		60.00	1.00		30.00	0.50		150.00	2.50	Flows Estimated
29-Sep-99	42.60	0.71		19.20	0.32		4.92	0.08		66.72	1.11	* Flows Measured *
30-Sep-99	29.40	0.49		15.60	0.26		4.02	0.07		49.02	0.82	* Flows Measured *
02-Oct-99	28.80	0.48		15.60	0.26		3.00	0.05		47.40	0.79	* Flows Measured *
05-Oct-99	19.80	0.33		12.00	0.20		2.46	0.04		34.26	0.57	* Flows Measured *

.TS - MATERIALS TESTING SERVICES
Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT Mount Polley Mining (1)
CC

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
V0L 1N0

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 2 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.08

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Oct.15	7	102.0	204.0	185	0.00817	22.6	

SPEC STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m3
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO. 20MPA
TRUCK NO
TICKET NO.
BATCH TIME
LOAD VOLUME m3
CUMULATIVE VOL m3

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC
INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m3
HARDENED 2398 kg/m3

LOCATION:
C-2-99 - LA-1st lift
M.E., left abutment 1st pour

COMMENTS:
25MPa concrete supplied

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED

Page 1 END OF REPORT

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

PER N

Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of the test results is provided only on written request.

MTS - MATERIALS TE.. 'ING SERVICES
Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
V0L 1N0

CLIENT CC Mount Polley Mining (1)

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 7 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.09

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Oct.18	9	102.0	204.0	227	0.00817	27.8	

SPEC STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO. 20MPA
TRUCK NO.
TICKET NO.
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL. m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2405 kg/m³

INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

LOCATION:
C-7-99 - LA-2nd pour
M.E., left abutment 2nd pour

COMMENTS:
25MPa concrete supplied

TEST METHOD: CSA CAN3 A23.2 UNLESS OTHERWISE NOTED

Page 1 END OF REPORT

A B C D E F

** TYPE OF FAILURE - REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

PER [signature]

MTS - MATERIALS TESTING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

TO

Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1NO

CLIENT CO Mount Polley Mining (1)

ATTN: Leon Gous

PROJECT Mt. Polley - T.S.F. Stage 2C

SET NO. 3 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.08

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m²)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Oct.12	4	102.0	204.0	131	0.00817	16.0	

SPEC STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO. 20MPA
TRUCK NO.
TICKET NO.
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL. m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2397 kg/m³

INITIAL CURING TEMP.: MAXIMUM °C MINIMUM °C

LOCATION:
C-3-99 - LA-1st lift

COMMENTS: M.E., left abutment 1st pour
25MPa concrete supplied

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED

A B C D E F

** TYPE OF FAILURE RECD WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

Page 1 END OF REPORT

PER

Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of the test results is provided only on written request

MTS - MATERIALS TES_ING SERVICES

Prince George, British Columbia

CONCRETE TEST REPORT

PROJECT NO. 1112

CLIENT CC Mount Polley Mining (1)

TO
Mount Polley Mining Corporation
Box 12
Likely, BC
VOL 1NO

ATTN: Leon Gous

PROJECT
Mt. Polley - T.S.F. Stage 2C

SET NO. 9 NO. OF SPECIMENS 1 DATE RECEIVED 99.Oct.11 DATE CAST 99.Oct.09

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (m2)	COMPRESSIVE STRENGTH (MPa)	TYPE OF FAILURE **
A	Oct.12	3	102.0	204.0	123	0.00817	15.1	

SPEC. STRENGTH 20.00 MPa
CEMENT TYPE
CEMENT CONTENT kg/m³
AGGREGATE SIZE mm
ADMIXTURE
SUPPLIER
MIX NO 20MPA
TRUCK NO.
TICKET NO.
BATCH TIME
LOAD VOLUME m³
CUMULATIVE VOL. m³

CONCRETE TEMP °C
AIR TEMP °C
CAST TIME
CAST BY CLIENT
MOLD TYPE PLASTIC
INITIAL CURING TEMP.- MAXIMUM °C MINIMUM °C

SLUMP mm
AIR CONTENT %
DENSITY
PLASTIC kg/m³
HARDENED 2370 kg/m³

LOCATION:
C-9-99 - RA-2nd pour

COMMENTS: M.E., right abutment 2nd pour
25MPa concrete supplied

TEST METHOD: CSA CAN 3 A23.2 UNLESS OTHERWISE NOTED

A B C D E F

** TYPE OF FAILURE REQ'D WHEN CYLINDER FAILS TO MEET SPECIFIED 28 DAY STRENGTH.

Page 1 END OF REPORT

PER

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE FS CONTROL TEST SUMMARY SHEET

A:\[C-ZFS-SUM.XLS]summ table 08-Nov-99

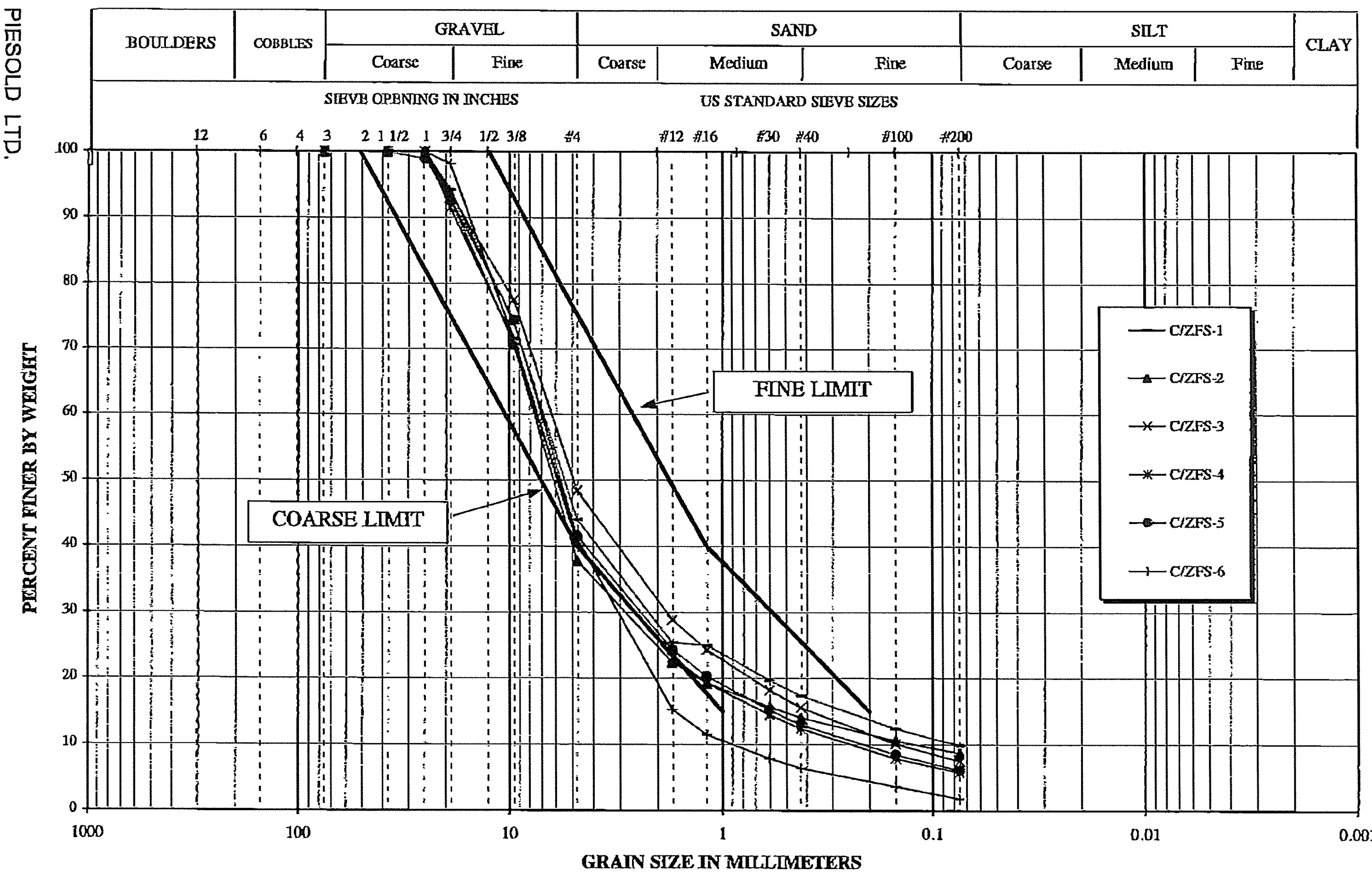
Date Sampled	Sample No.	Location	Elev. (m)	R2 Field m/c %	R3 (Particle Size Distribution) 75	37.5	25	19.0	9.5	4.75	1.7	1.180	0.600	0.425	0.150	0.075
					Seive Sizes 3	1 1/2	1	3/4	3/8	#4	#12	#16	#30	#40	#100	#200
-	C/ZFS-1	Main Embankment Stockpile	-	-	100.0	100.0	100.0	94.2	74.0	44.0	25.4	25.0	19.7	17.4	12.4	9.9
-	C/ZFS-2	Main Embankment Stockpile	-	-	100.0	100.0	100.0	92.9	70.7	37.8	22.4	19.3	15.7	14.1	10.6	8.7
-	C/ZFS-3	Main Embankment Stockpile	-	-	100.0	100.0	100.0	93.6	77.5	48.4	28.9	24.3	18.2	15.6	10.1	7.5
-	C/ZFS-4	Main Embankment Stockpile	-	-	100.0	100.0	100.0	91.5	71.3	40.3	23.1	19.3	14.5	12.4	7.9	5.8
-	C/ZFS-5	Main Embankment Stockpile	-	-	100.0	100.0	98.9	92.9	74.4	41.5	24.3	20.3	15.2	13.0	8.5	6.1
22-Oct-99	C/ZFS-6	Fine Ore Stockpile	-	-	100.0	100.0	100.0	98.2	71.4	41.2	15.3	11.5	7.9	6.4	3.7	1.8
			MEAN	#DIV/0!	100.0	100.0	99.8	93.9	73.2	42.2	23.2	19.9	15.2	13.2	8.9	6.6
			MEDIAN	#NUM!	100.0	100.0	100.0	93.3	72.7	41.4	23.7	19.8	15.5	13.6	9.3	6.8
			MAXIMUM	0.0	100.0	100.0	100.0	98.2	77.5	48.4	28.9	25.0	19.7	17.4	12.4	9.9
			MINIMUM	0.0	100.0	100.0	98.9	91.5	70.7	37.8	15.3	11.5	7.9	6.4	3.7	1.8

Notes:

R2 Moisture Content (ASTM D2216)

R3 Particle Size Distribution (ASTM D422)

MOUNT POLLEY MINING CORPORATION.
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE FS CONTROL SAMPLES - GRADATION CURVES



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION

ZONE FS RECORD TEST SUMMARY SHEET

A:\[R-ZFS-SUM.xls]summ table

08-Nov-99

Date Sampled	Sample No.	Location	Elev. (m)	R2 Field m/c %	R3 (Particle Size Distribution)											
					75	37.5	25	19.0	9.5	4.75	1.7	1.180	0.600	0.425	0.150	0.075
					Seive Sizes											
					3	1 1/2	1	3/4	3/8	#4	#12	#16	#30	#40	#100	#200
26-Oct-99	R/ZFS-1	M.E. u/s toe drain CH 25+00	-	-	100.0	100.0	100.0	97.3	68.8	49.5	28.9	23.0	14.9	11.2	5.7	1.8
26-Oct-99	R/ZFS-2	M.B. u/s toe drain CH 21+50	-	-	100.0	100.0	100.0	93.8	56.4	34.6	18.6	14.8	10.1	8.0	4.6	2.6
26-Oct-99	R/ZFS-3	M.E. u/s toe drain CH 18+00	-	-	100.0	100.0	100.0	100.0	81.4	54.4	26.6	19.2	11.9	9.4	4.7	1.9
			MEAN	#DIV/0!	100.0	100.0	100.0	97.0	68.9	46.2	24.7	19.0	12.3	9.5	5.0	2.1
			MEDIAN	#NUM!	100.0	100.0	100.0	97.3	68.8	49.5	26.6	19.2	11.9	9.4	4.7	1.9
			MAXIMUM	0.0	100.0	100.0	100.0	100.0	81.4	54.4	28.9	23.0	14.9	11.2	5.7	2.6
			MINIMUM	0.0	100.0	100.0	100.0	93.8	56.4	34.6	18.6	14.8	10.1	8.0	4.6	1.8

Notes:

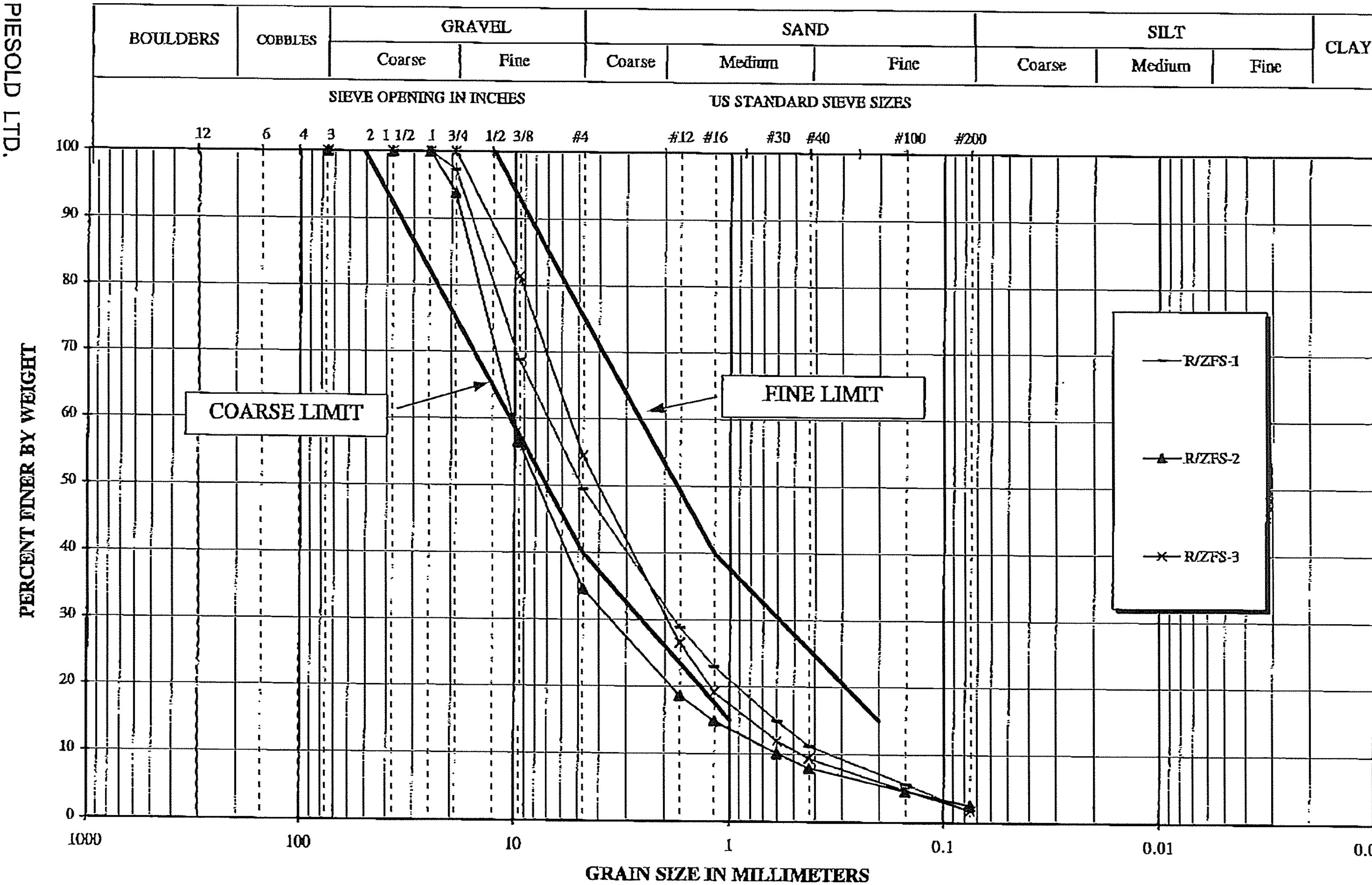
R2 Moisture Content (ASTM D2216)

R3 Particle Size Distribution (ASTM D422)

MOUNT POLLEY MINING CORPORATION.

MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION - ZONE FS RECORD SAMPLES - GRADATION CURVES



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

Knight Piésold
CONSULTING

Knight Piésold, Mt. Polley Site
Fax: (250) 790-2268
Phone: (250) 790-2215

DATE:	October 19, 1999	**FILE NO.:**	11162/10.F01/F02/F05/F07
TIME:		**REF NO.:**	99-030
OPERATOR:		**PAGES:**	1 of 34
SENDER:	Leon Gous	**APPROVED:**	

TO:	KP Vancouver	**FAX :**	604-685-0147
ATTN:	John Wilkinson		
CC:	George Headley, Ministry of Energy and Mines		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report #4		

Dear John,

Please find attached Progress Report No. 4 for Stage 2C Construction at the Mount Polley Mine. This document is for the reporting period October 1 to 15, 1999.

Best Regards,

Leon Gous, P. Eng.
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 4
OCTOBER 1 TO 15, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ken Brouwer (KJB), Project Director (on site October 4 and 5)
- Ian Manning (IBM), Project Engineer (left site October 7)
- Leon Gous (LAG), Senior Engineer (arrived on site October 4)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions were generally mixed over the reporting period. It was mostly sunny from October 1 to 4. The remainder of the reporting period was generally overcast with some rain and snow on October 12 and 15.

1.3 CONTRACT DEVELOPMENTS

The following design change request was issued and approved with an amendment during the reporting period:

- Substitution of the Perimeter Embankment upstream Zone CS with Zone B for the Stage 2C raise. The upstream toe drain along the Perimeter Embankment will be postponed until competent beach development along the entire upstream face of the embankment. The Perimeter Embankment right abutment upstream toe drain outlet pipe will be installed as originally intended and the left abutment outlet pipe will be installed along with the upstream toe drain.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Over the reporting period, tailings underflow (Zone CS) cycloned sand was discharged upstream of the Perimeter Embankment crest. A significant beach continues to be present upstream of the Main Embankment Zone CS. Wind erosion of the cycloned sand was not observed over the reporting period.

Tailings beaches and cycloned sand have been established along approximately 90% of the upstream face of the Perimeter Embankment by the end of the reporting period.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

MPMC carried out the following activities during the reporting period:

Cycloned Sand Operations

- Movement and maintenance of the tailings lines and 20" cyclones on the Perimeter Embankment.

- Continued Stage 2C discharging of Zone CS cycloned sand along the u/s Perimeter Embankment.

- Maintenance and optimization of cyclones.

Downstream Cycloned Sand Trial

- Two test trenches were dug through the cycloned sand cones within the downstream trial berm in order to profile the phreatic surface and collect cycloned sand samples at various depths and locations.

- The test trenches that were excavated within the trial berm area were backfilled with cycloned sand after about 10 days. The trenches were inspected before they were backfilled and both trenches were observed to be drained.

- A second phase containment berm was placed upstream of the initial rockfill containment berm. The second phase containment berm was constructed form cycloned sand and is approximately as high as the first phase rockfill berm.

- Cycloning within the Phase 2 downstream trial berm started on October 15. Two cyclones (#1 and #3) are being used to discharge along the length of the trial berm area.

Stage 2C Embankment Construction

- Dozer foundation stripping continued along the Main Embankment downstream Stage 3 footprint area along the left abutment.

- Zone B & S fill placement and compaction was carried out within the Perimeter Embankment area from CH 28+53 to CH 32+50 to approximately El. 937 m from October 4 to 7 and October 12.

- Zone S fill was placed to about El. 937 m at the Main Embankment right abutment on October 5 to fill the local low area at the tie-in to original ground. The work was suspended due to construction activities at the Perimeter Embankment and will be completed during Stage 2C Zone S placement.

- The Main Embankment left and right abutment upstream toe drain outlet pipes were installed. In each case the pipes and seepage collars were encased in 25 MPa mass concrete, except for the downstream seepage collar of each outlet pipe that is within the 3 m long filter sand section. These seepage collars were bedded in a filter sand/bentonite mix and backfilled with a 10% till/bentonite mix.

- The upstream area along the Main Embankment crest was cleared and dewatered in preparation for the installation of the upstream toe drain.

- Development of Borrow Area #2 continued. The locations of the geological sections through the borrow area and the active face were surveyed within the active area of the borrow.

<u>Fill Placement Summary</u>

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	1,100	2,760	65,000	4.2
B (till)	4,900	12,250	32,000	38.3
CBL (rockfill)	0	0	18,600	0
F (filter sand)	0	0	2,300	0

Note: The fill volumes required for Stage 2C have been updated on the basis of the Perimeter Embankment upstream Zone CS/B design change.

Miscellaneous

- Zone T rockfill was placed upslope of the bio-solids containment area to create a pad for the off-loading of the bio-solids transport trucks.

- The barge channel access road was widened with rockfill in preparation for moving the barge up the channel.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Downstream Cycloned Sand Trial

- The Plane D and F piezometers within downstream trial berm were monitored daily and the piezometer plots were updated.

- The cycloned sand within the downstream trial berm was inspected by excavating two test trenches. The phreatic surface was determined within the test trenches and the in-situ density and moisture content of the sand was measured with a nuclear densometer at various locations and depths along the trenches. Samples of cycloned sand were taken at various depths and locations for laboratory analyses.

- The construction of the containment berm for the second phase of the downstream cycloned sand trial and the start of the second phase cycloning was monitored.

Stage 2C Embankment Construction

- The geological sections through Borrow Area #2 were completed on the basis of the 1999 Borrow Area #2 Material Investigations.

- Nuclear densometer record testing was carried out on all placed and compacted Zone B and S materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Maximum Dry Density (SMDD), and 95% SMDD for Zone S core material. The Zone B and S was placed to the required specifications.

- Monitored the installation of the Main Embankment upstream toe drain outlet pipes and cast test cylinders for 3, 7 and 28 day breaks. The cylinders were delivered to the MTS laboratory in Prince George for the required break tests.

- Inspected the preparation and dewatering of the area upstream of the Main Embankment crest for installation of the upstream toe drain.

Miscellaneous

- Progress Report No. 3 was issued for the reporting period September 15 to 30, 1999.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

- A preliminary lab requirement summary table was submitted to MTS in Prince George for the Stage 2C QA/QC program. MTS provided a quote for completing the required laboratory work.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

The Perimeter Embankment instrumentation Planes D and F piezometers within the downstream cycloned sand trial berm were monitored daily by Knight Piésold, and are presented on Figures 1 to 10. As shown on these plots, piezometric pressures are still dissipating marginally and indicate virtually drained conditions following completion of the first phase cycloned sand deposition within the downstream trial area on 28-Sept-99.

MPMC representatives read all other active TSF piezometers on October 6 and 13. The following observations are based on the data from the attached piezometric summary plots shown on Figures 11 to 20.

- Foundation Piezometers
  All foundation piezometers have generally remained static and have not reacted to placement of upstream Zone CS material.

- Fill Piezometers
  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) have increased, likely as a result of Zone CS placement. The remainder of the piezometers placed in the engineered fill have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers
  Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level, while the tailings piezometers at Plane A have reacted to the placement of Zone CS material.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in order to continue monitoring of all foundation drain flows. A summary of measured foundation drain flows is presented in Table 1.

MPMC constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

The flows from outlet drains OD-4, 5, and 6 were measured on October 5, since then the water level in the Perimeter Embankment Seepage Collection Pond has been too high to measure flows from the outlet drains. The flows, summarized on Table 2 and Figure 21, increased during the first phase cycloned sand deposition within the downstream trial berm, and began dissipating prior to completion of cycloned sand discharge.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) has not been monitored this season due to a break in the pipe. The pipe will be repaired in the future and readings will recommence.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Over the reporting period, bi-weekly composite samples of overflow and underflow were collected by MPMC from each cyclone. In addition, bi-weekly composite sampling of the mill feed was carried out. All bi-weekly composite cycloned sand underflow, overflow and mill feed tailings samples are tested by MPMC personnel.

One Record Zone S sample was collected during the reporting period. Testing of this sample by MTS is still underway.

Seven (7) cycloned sand samples were collected from various locations and depths within the downstream cycloned sand trial test trenches. The samples were sent to Vancouver for laboratory testing.

Submitted by,

Leon Gous, P. Eng.
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 935.02m)

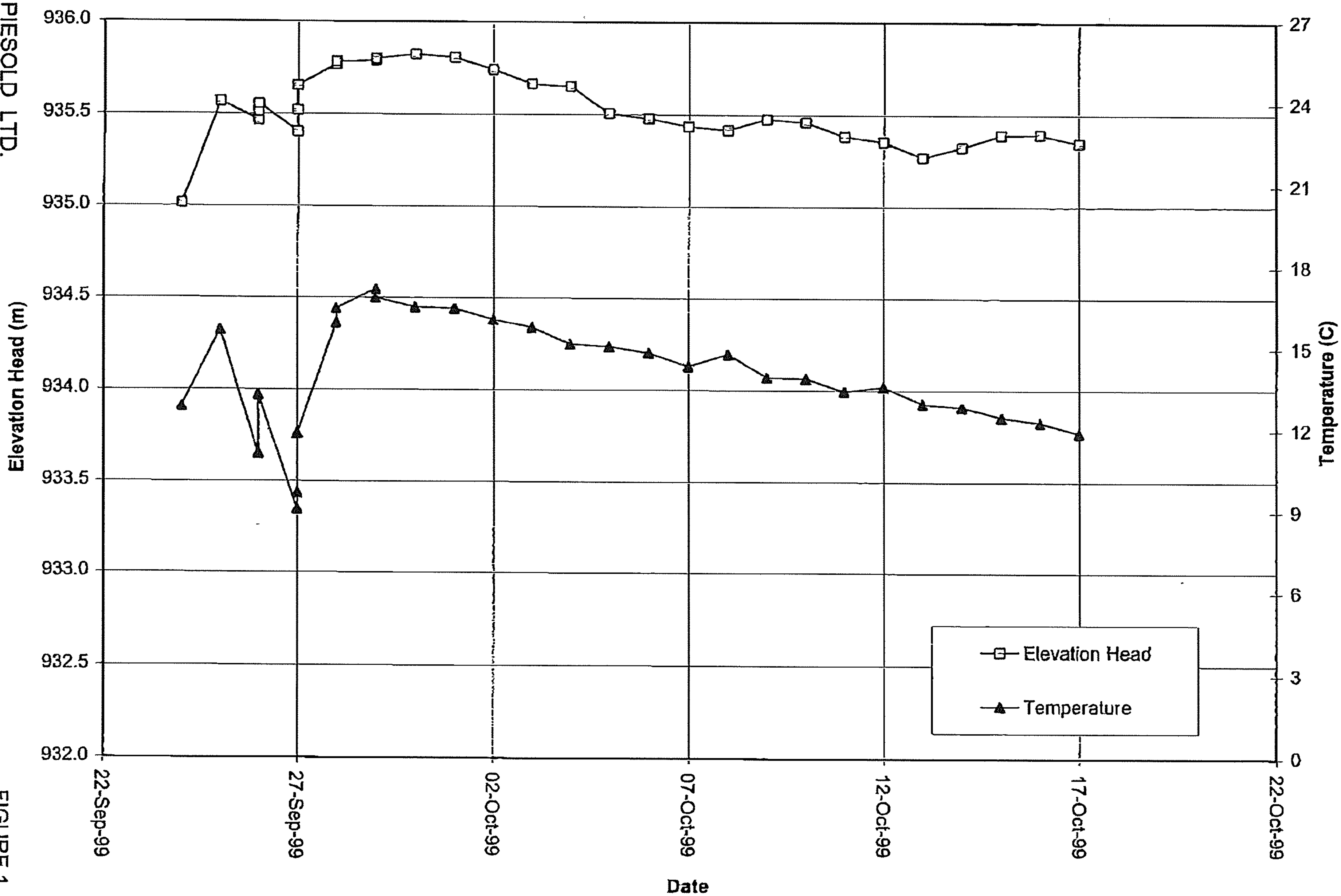

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FIGURE 1

J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-d 12/10/99

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-03
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 934.17m)

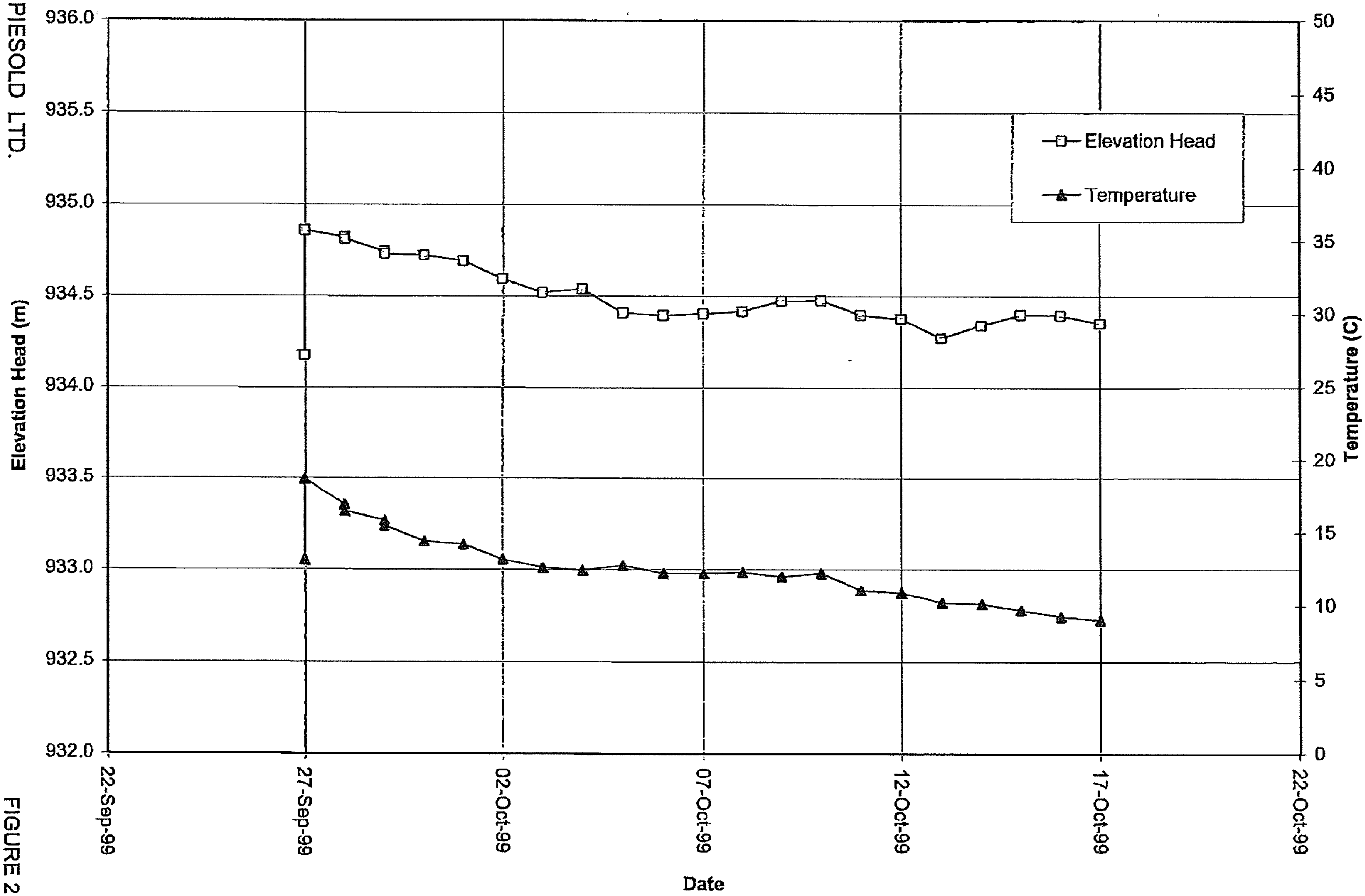

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FIGURE 2

J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-d 12/10/99

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

PIEZOMETER D2-PE1-04

DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 933.27m)

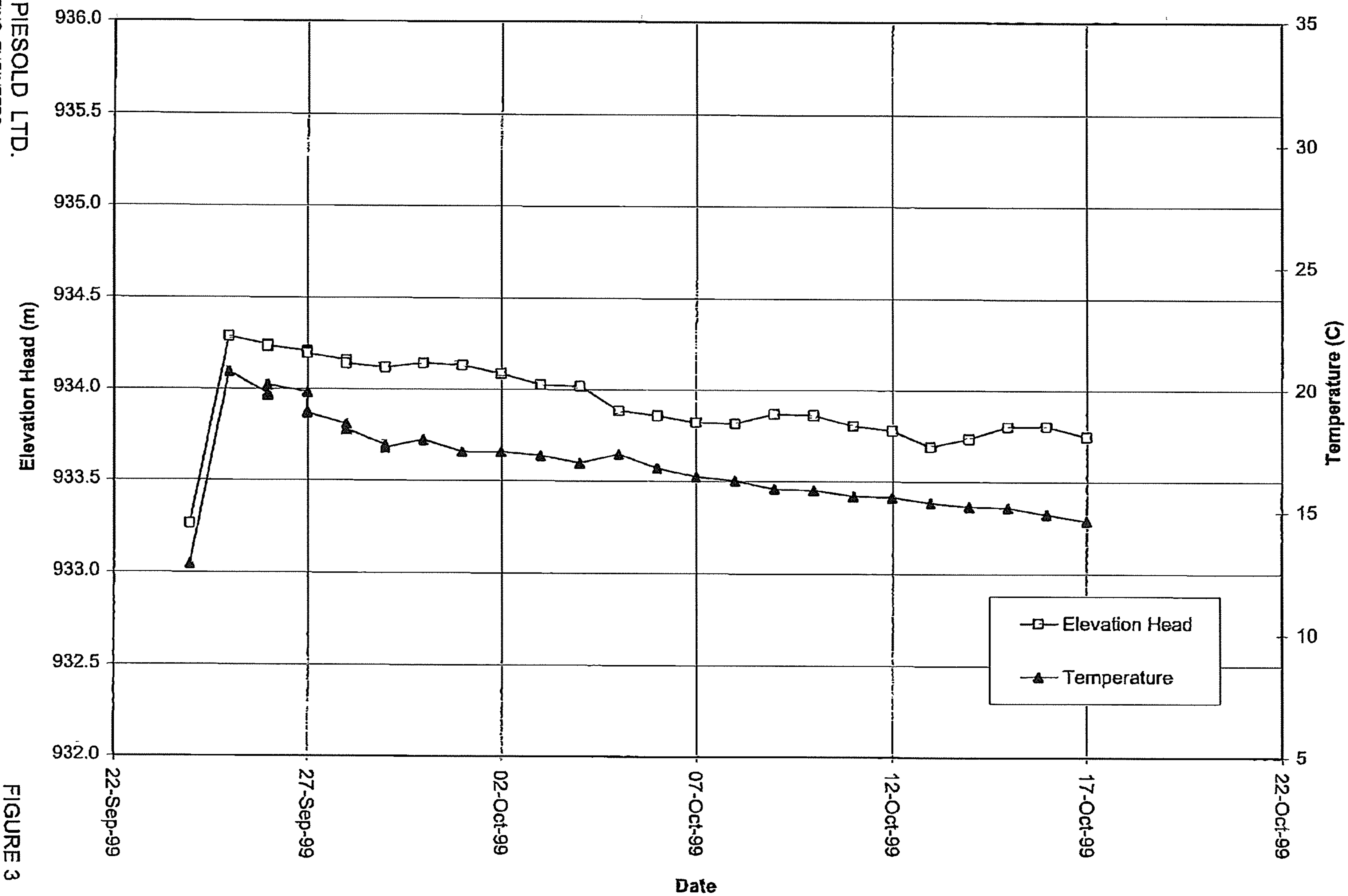

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FIGURE 3

J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-d

12/10/99

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.36m)

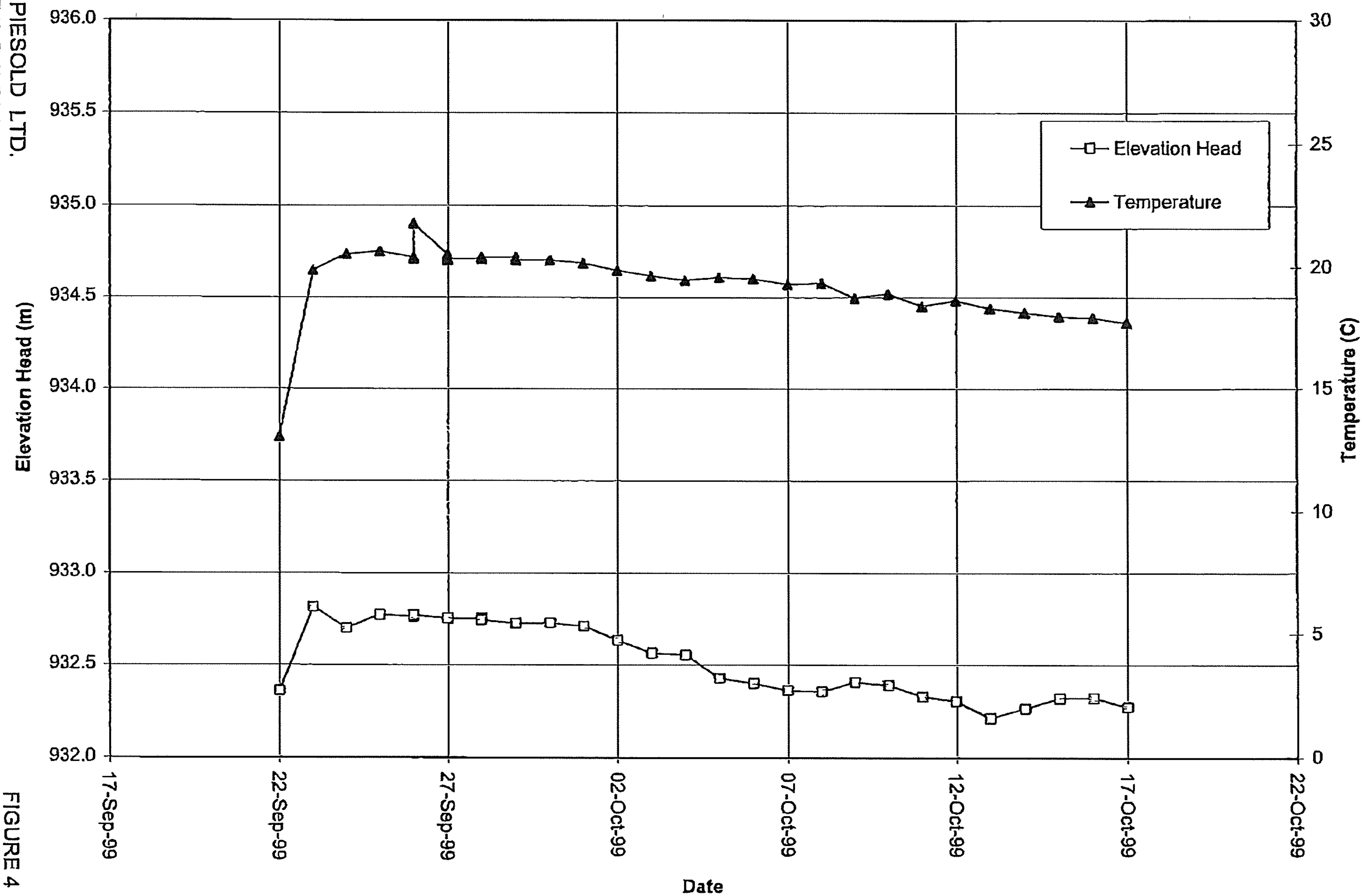

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FIGURE 4

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-06
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.09m)

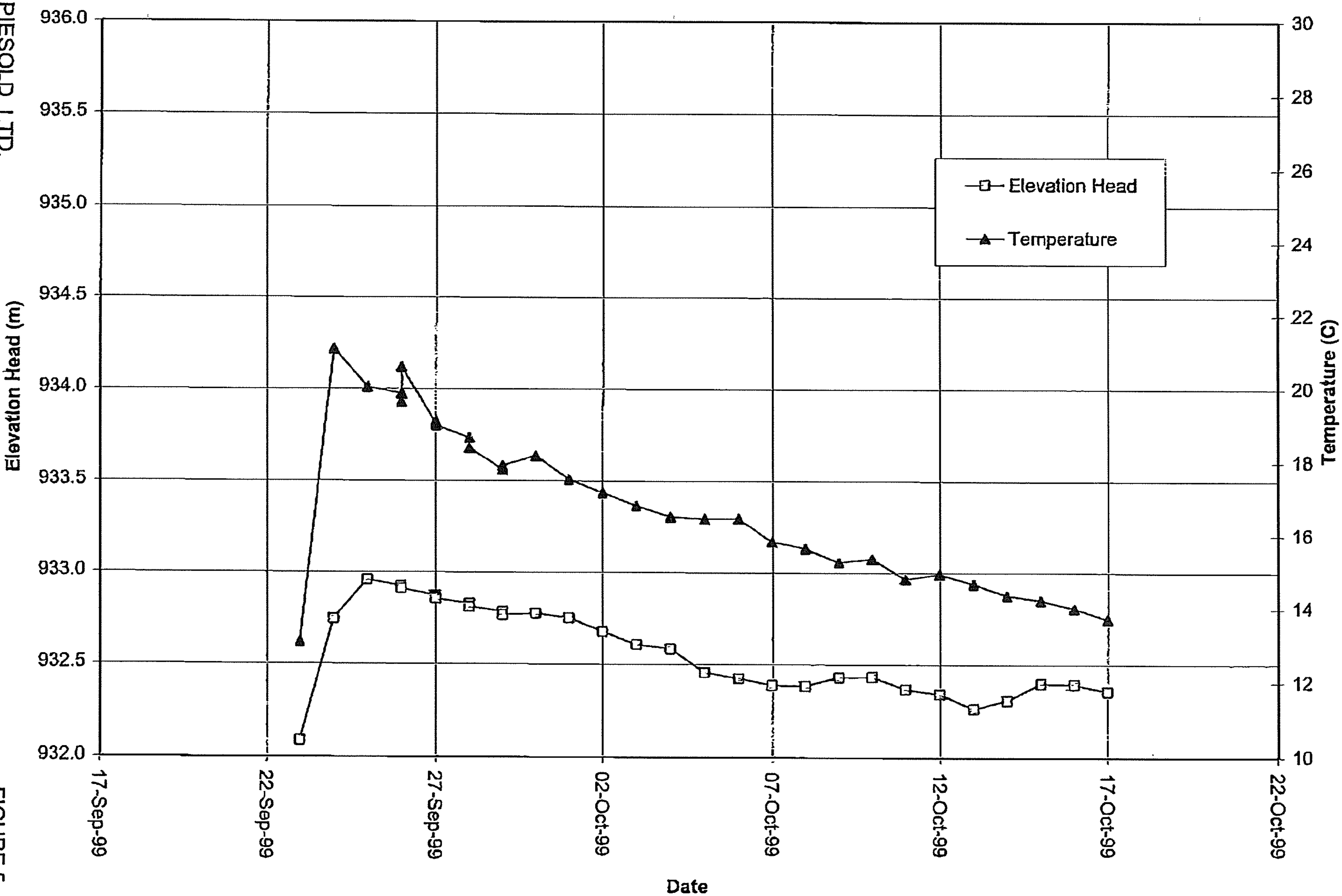

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FIGURE 5

J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-f 12/10/99

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-01
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 935.00m)

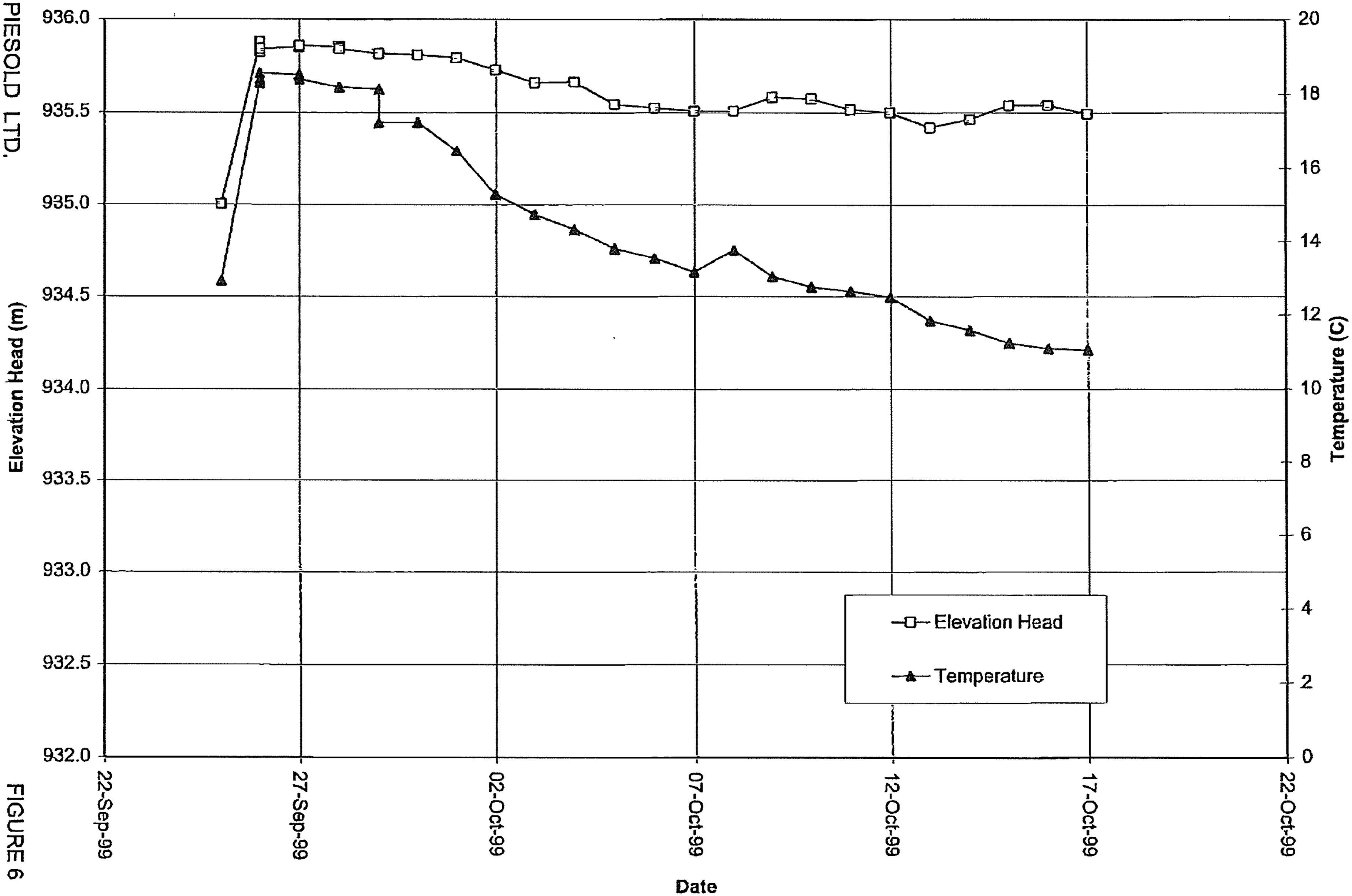

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FIGURE 6

J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-f

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 934.16m)

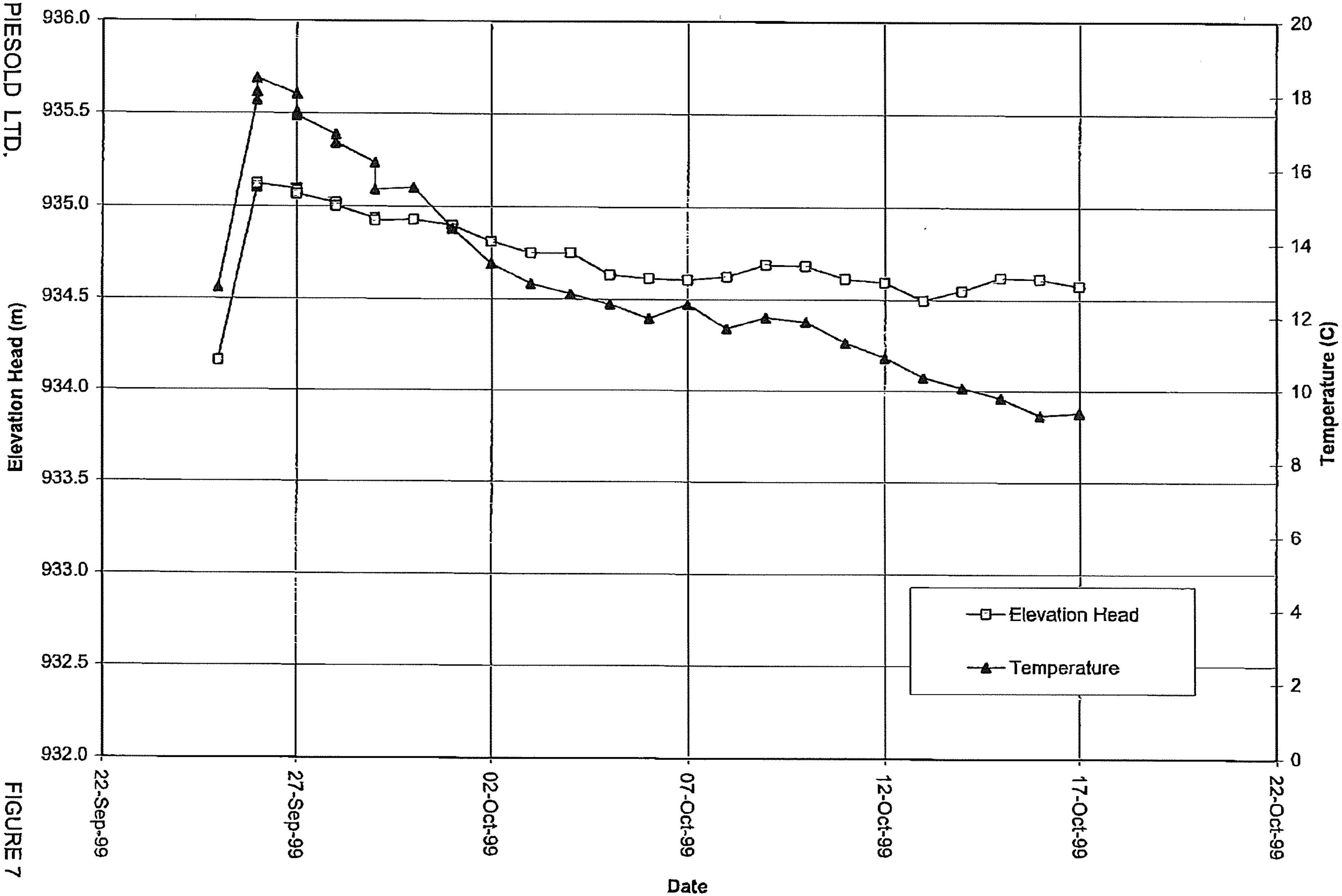

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FIGURE 7

J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-f

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-03
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 933.28m)

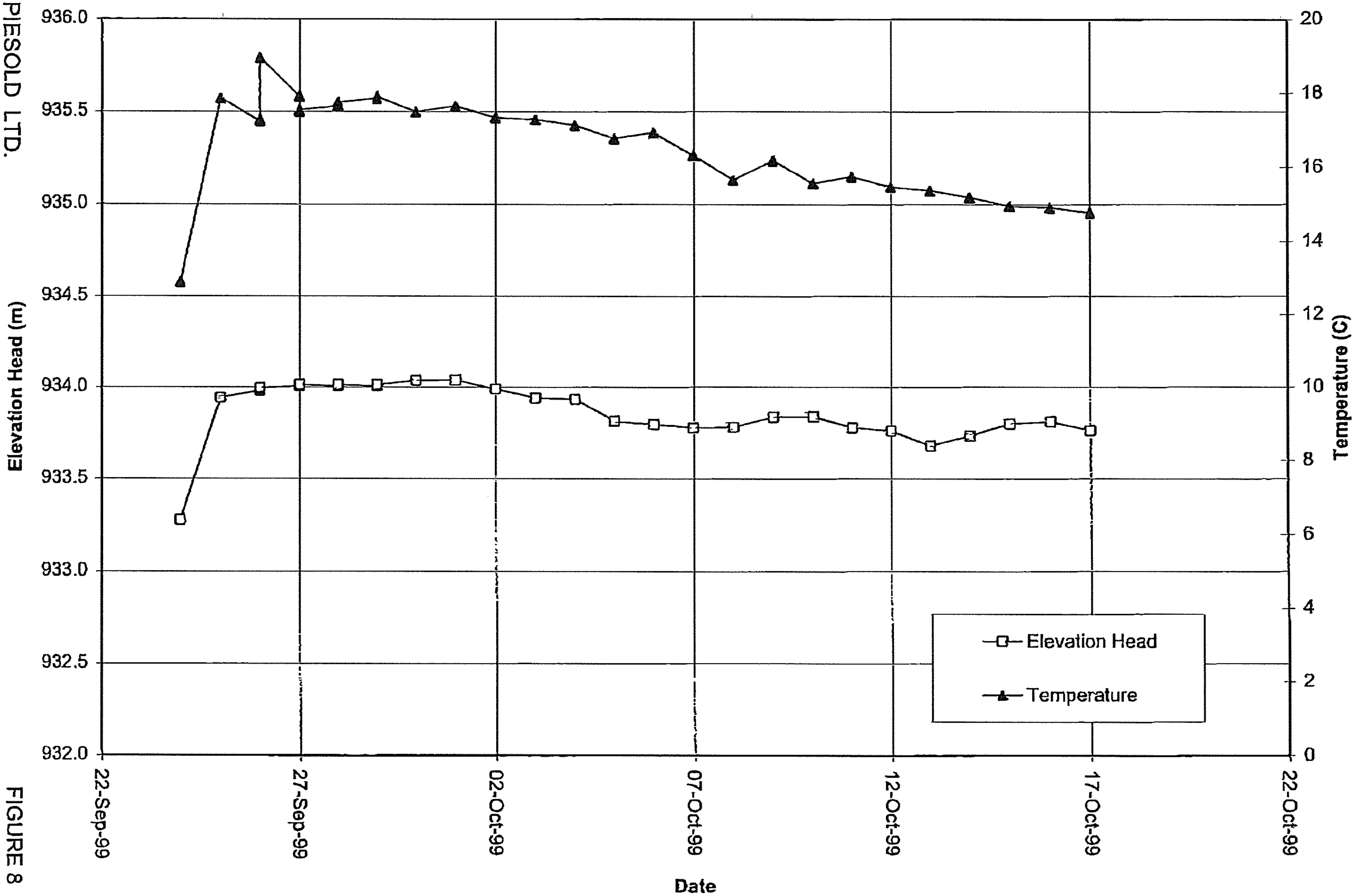

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FIGURE 8

J:\JOB\DATA\10162-9\SITE 2b\Piezos\MPPiez-f

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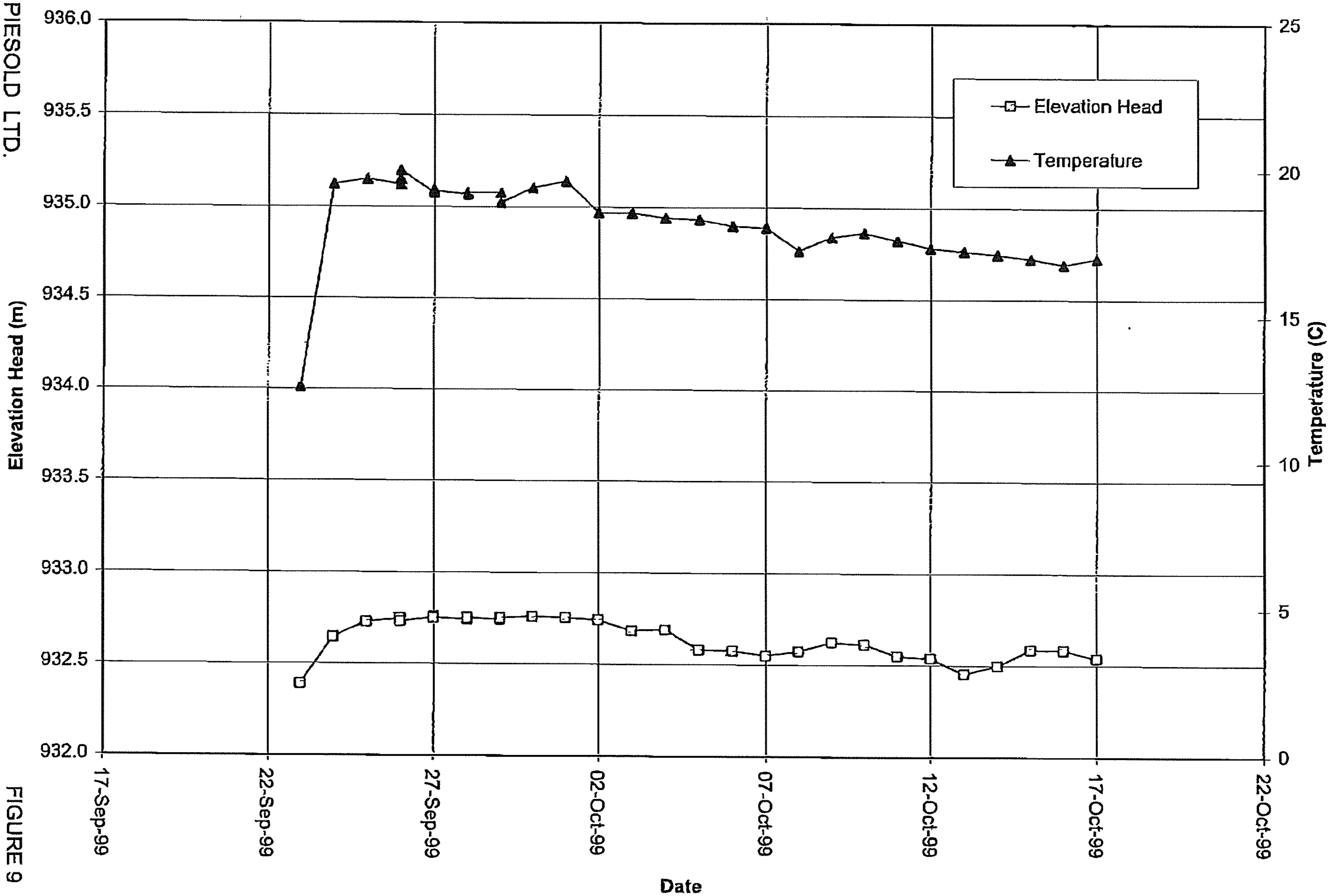
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-04
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.38m)



KNIGHT PIESOLD LTD.
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FIGURE 9

J:\JOB\DATA\10162-9\SITE_2b\Piezos\MPPiez-f

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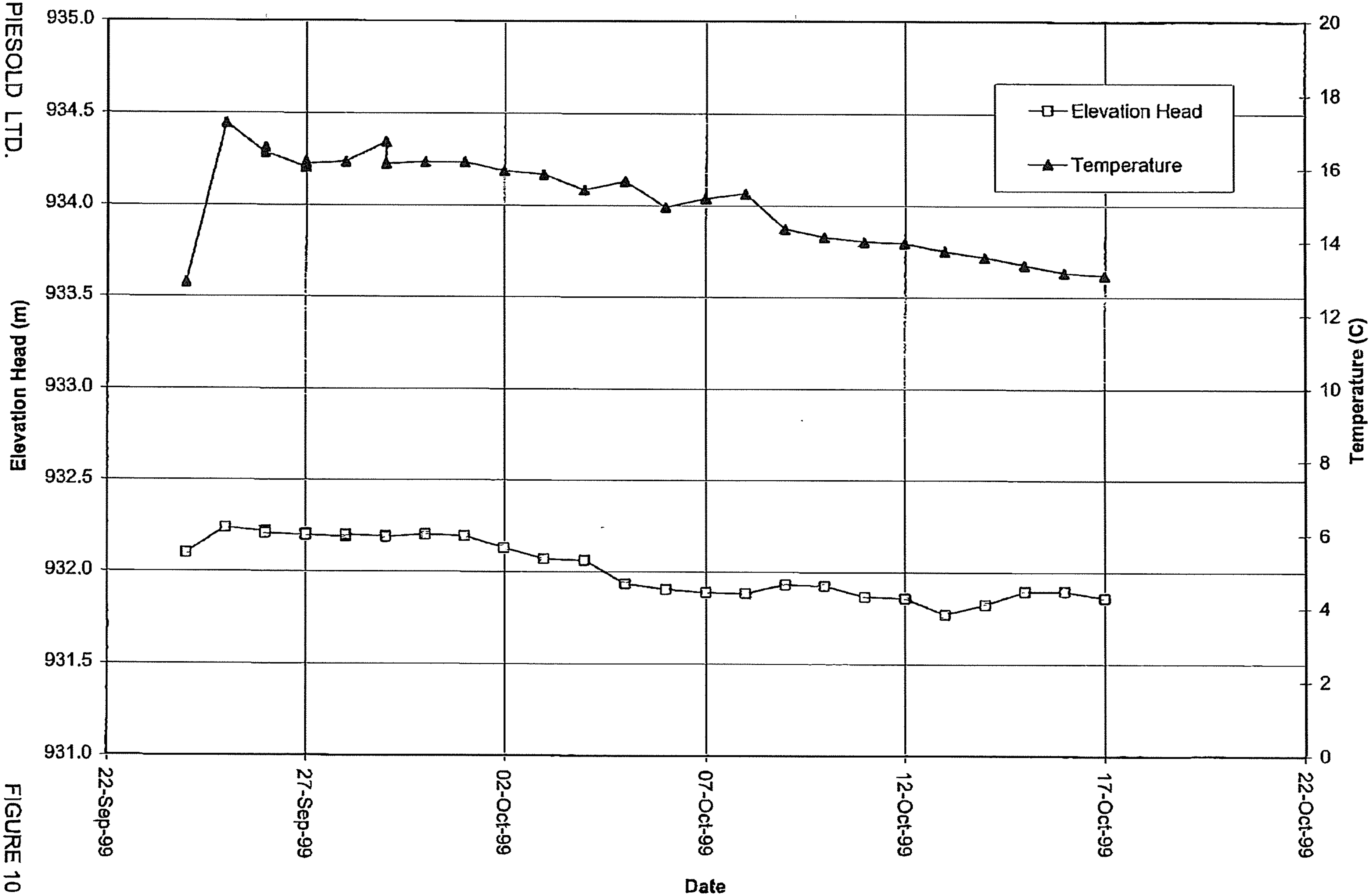
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.10m)



KNIGHT PIESOLD LTD.
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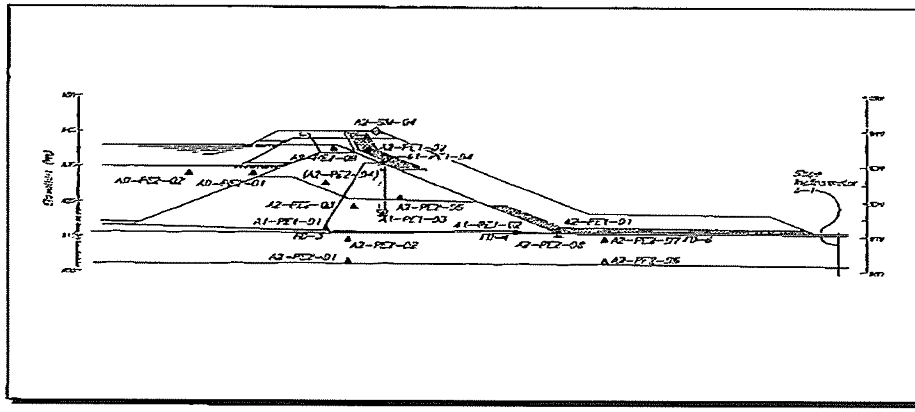
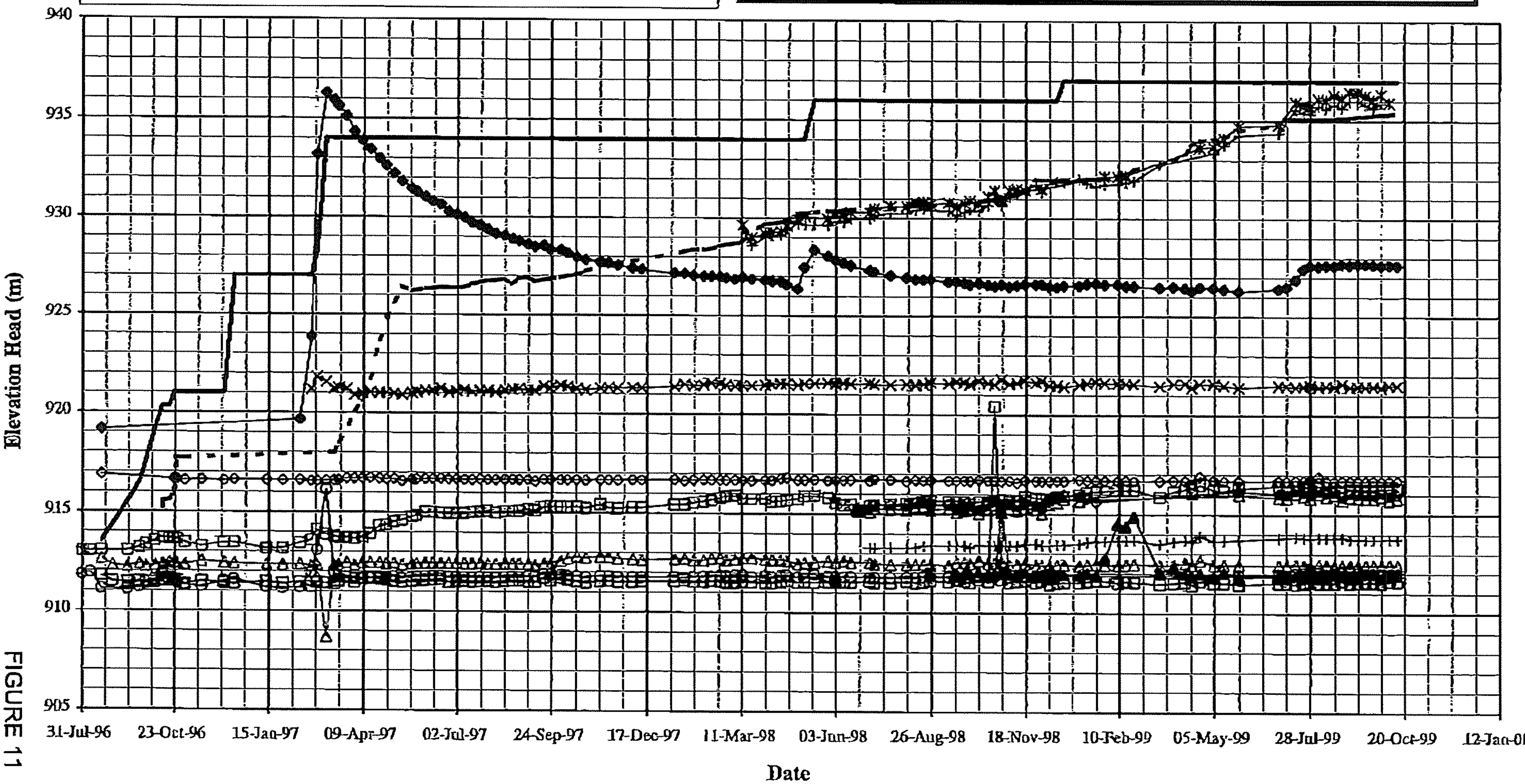
FIGURE 10

MPPiez-aAll Piezos

12/10/99 10:43 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS





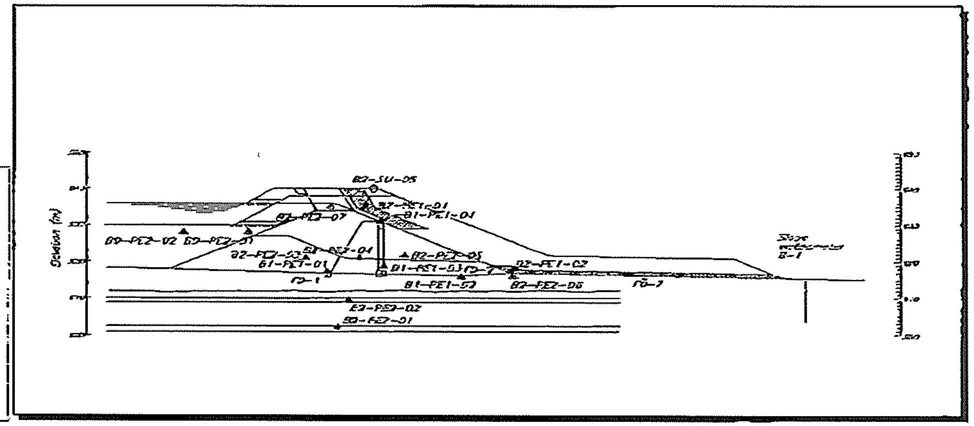
KNIGHT PIESOLD
CONSULTING

FIGURE 11

MPPiez-b All Piezos

12/10/99 10:51 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



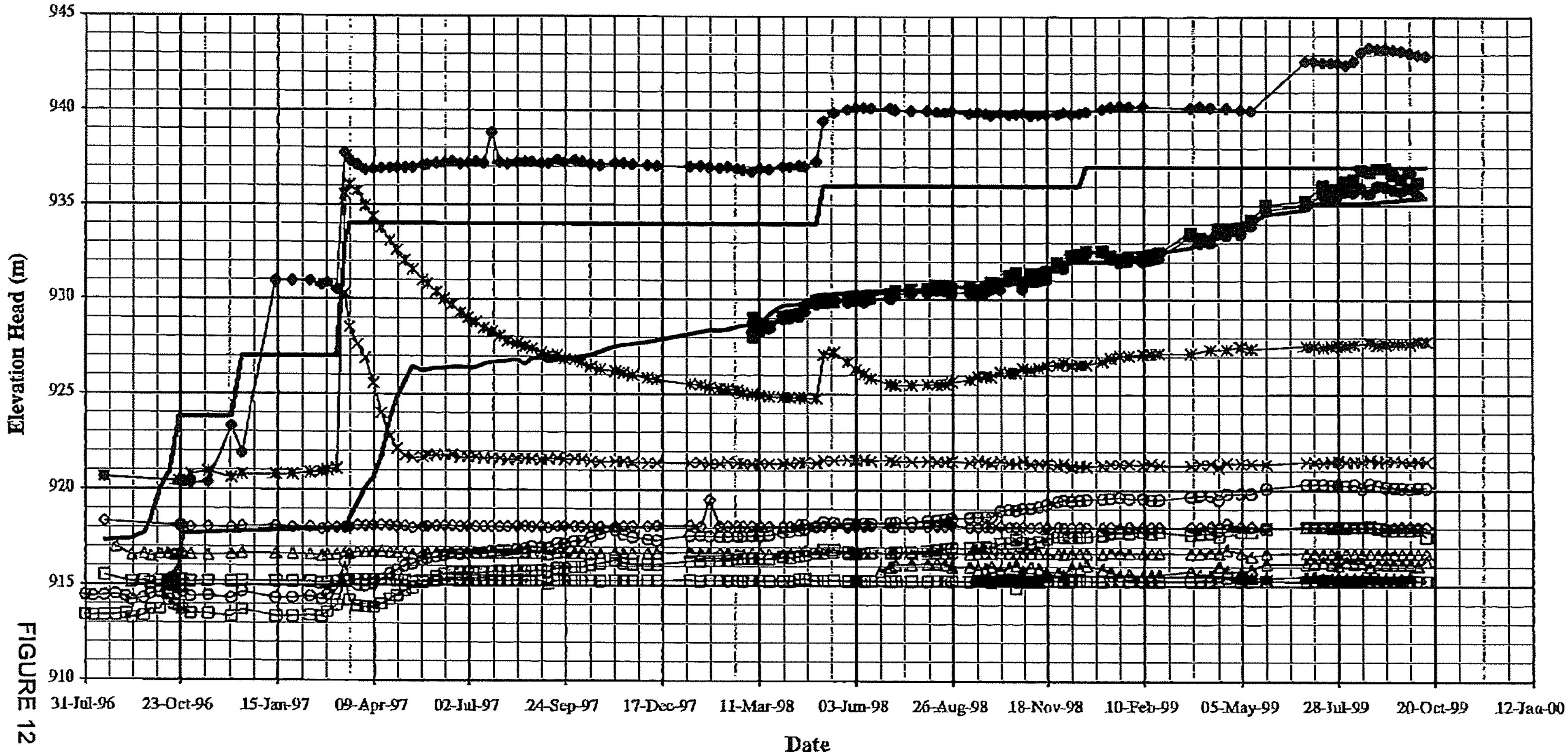


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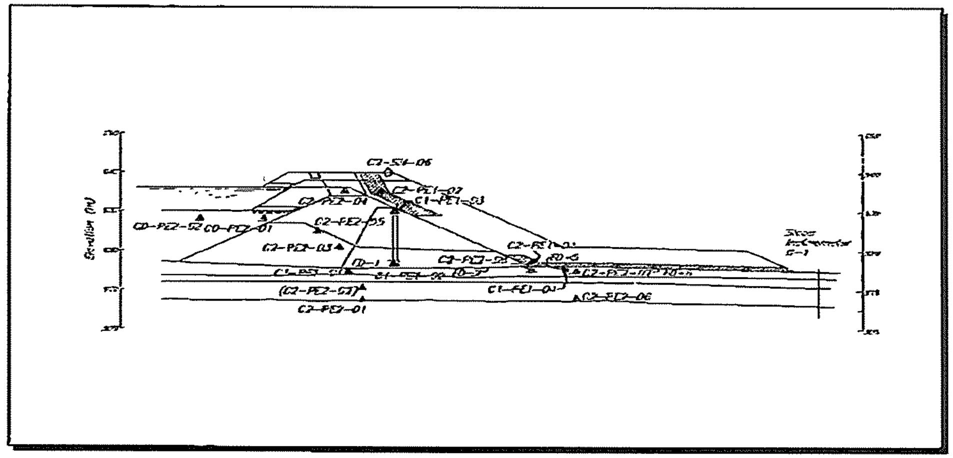
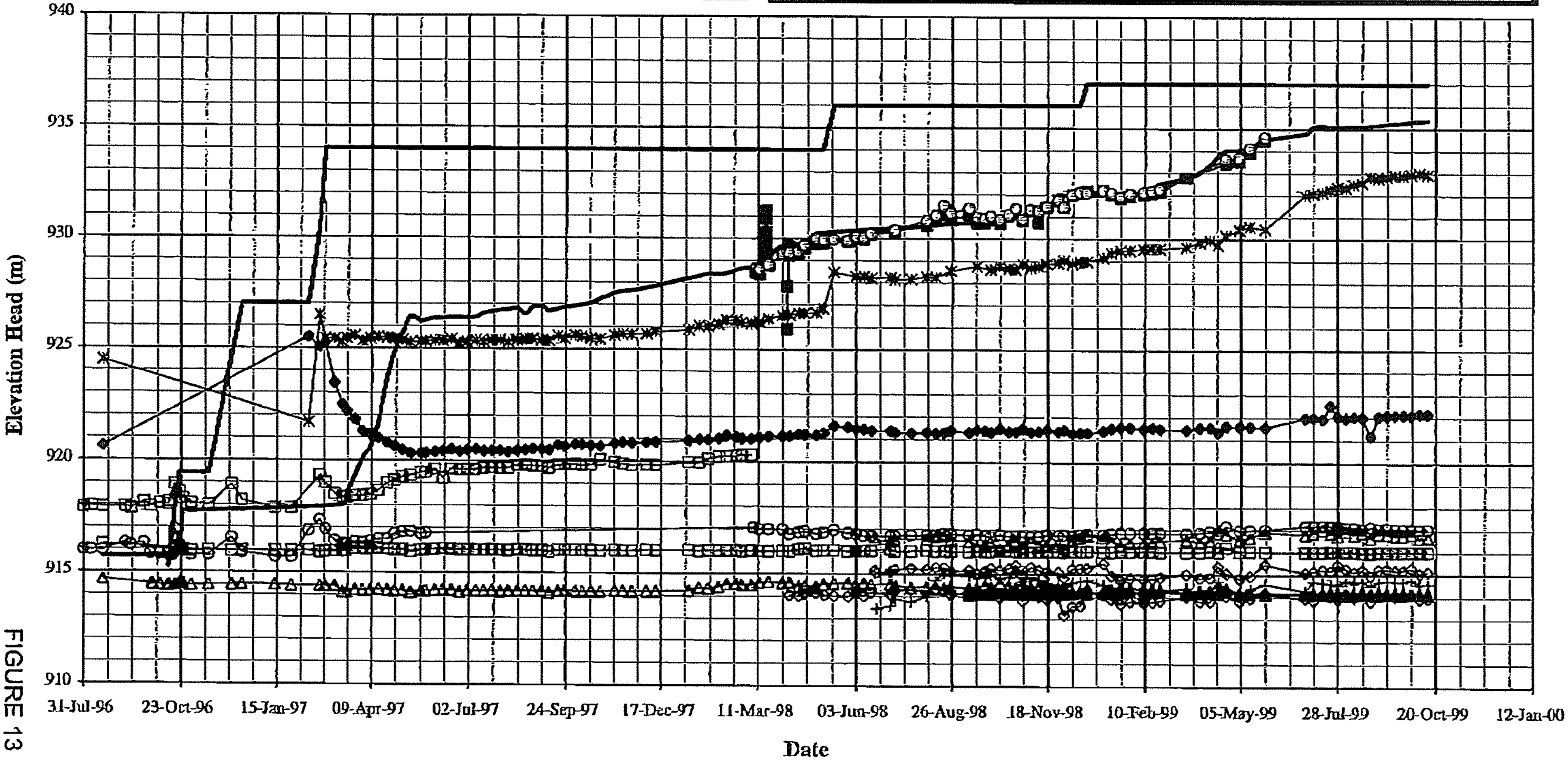
FIGURE 12

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS





KNIGHT PIESOLD
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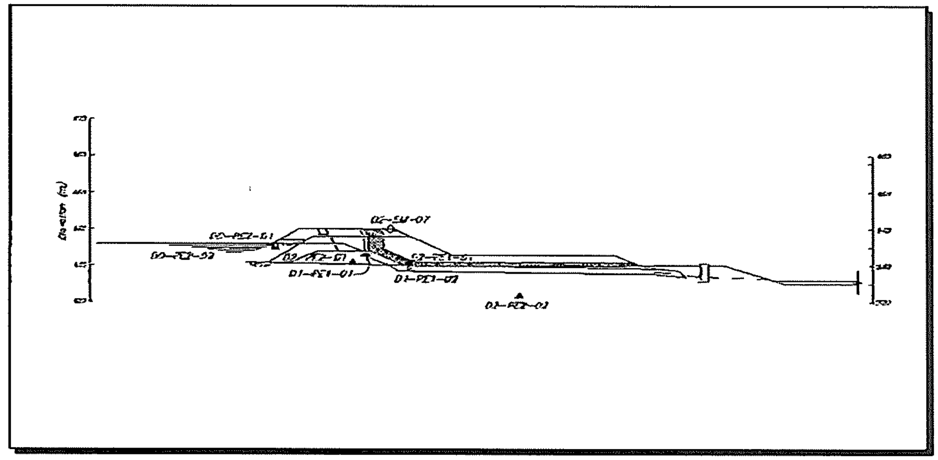
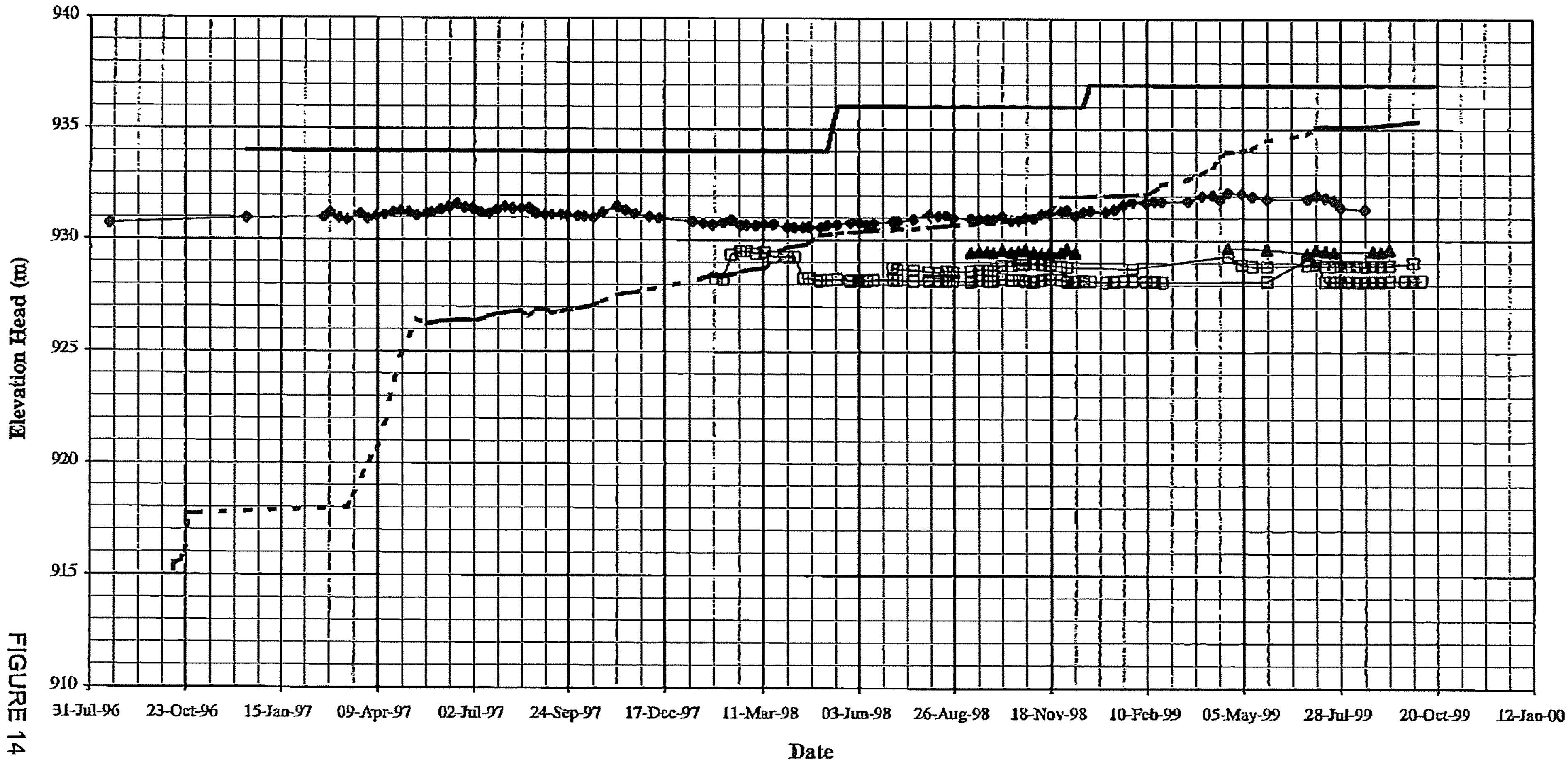
FIGURE 13

MPPiez-d.All Piezos

12/10/99 11:17 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS





KNIGHT PIESOLD
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FIGURE 14

MPPiez-e All Piezos

12/10/99 11:22 AM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

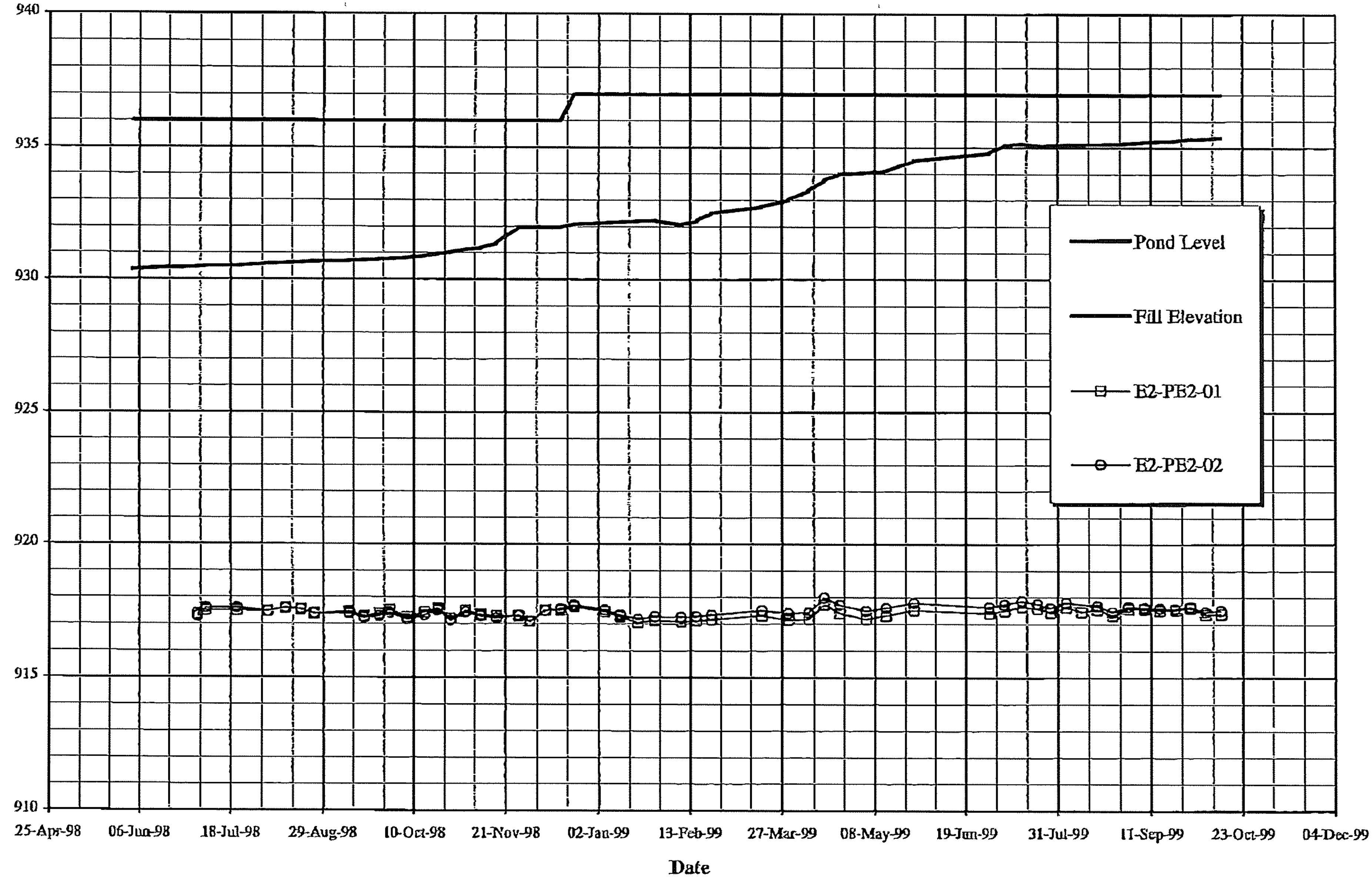

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FIGURE 15

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

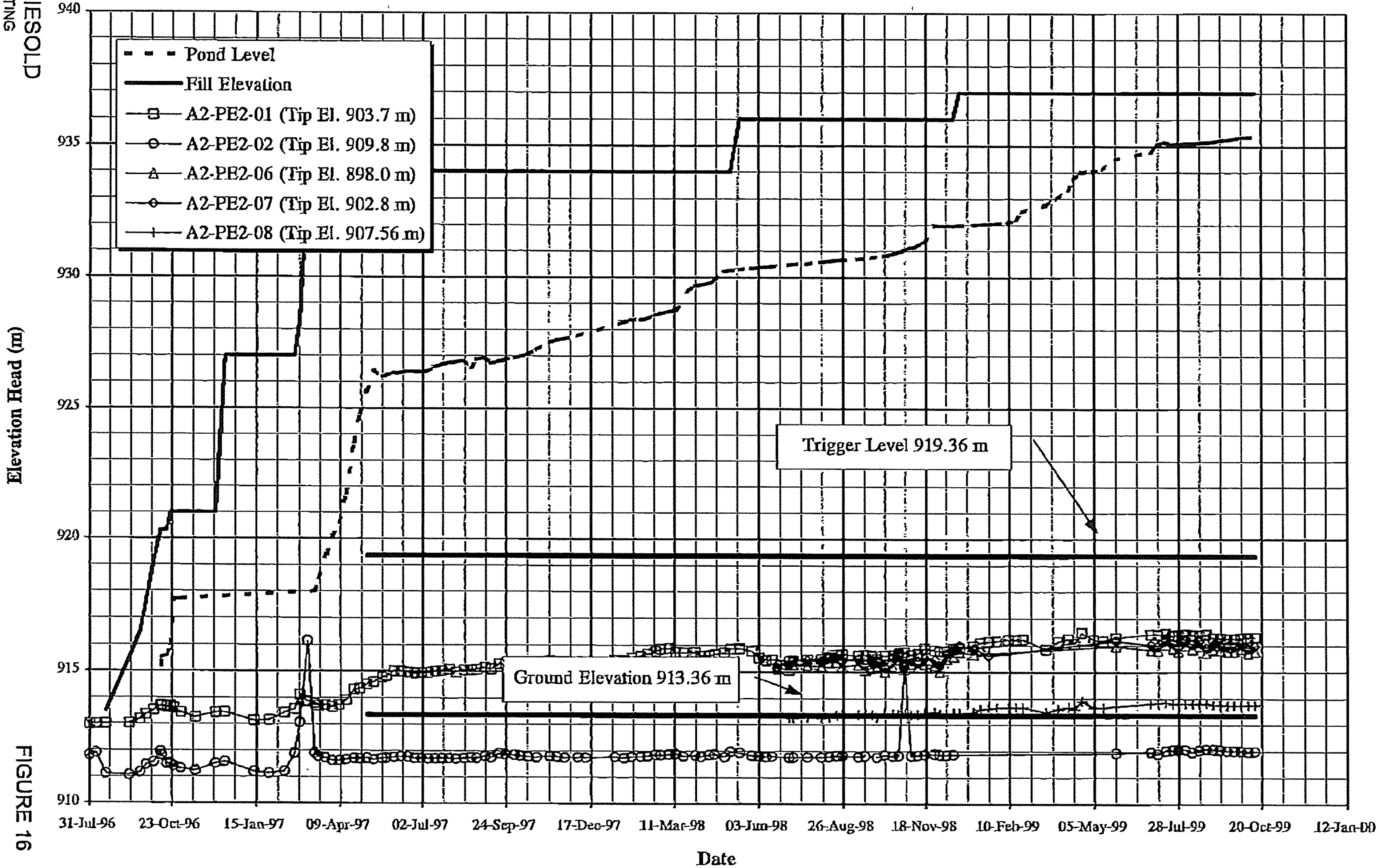

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FIGURE 16

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

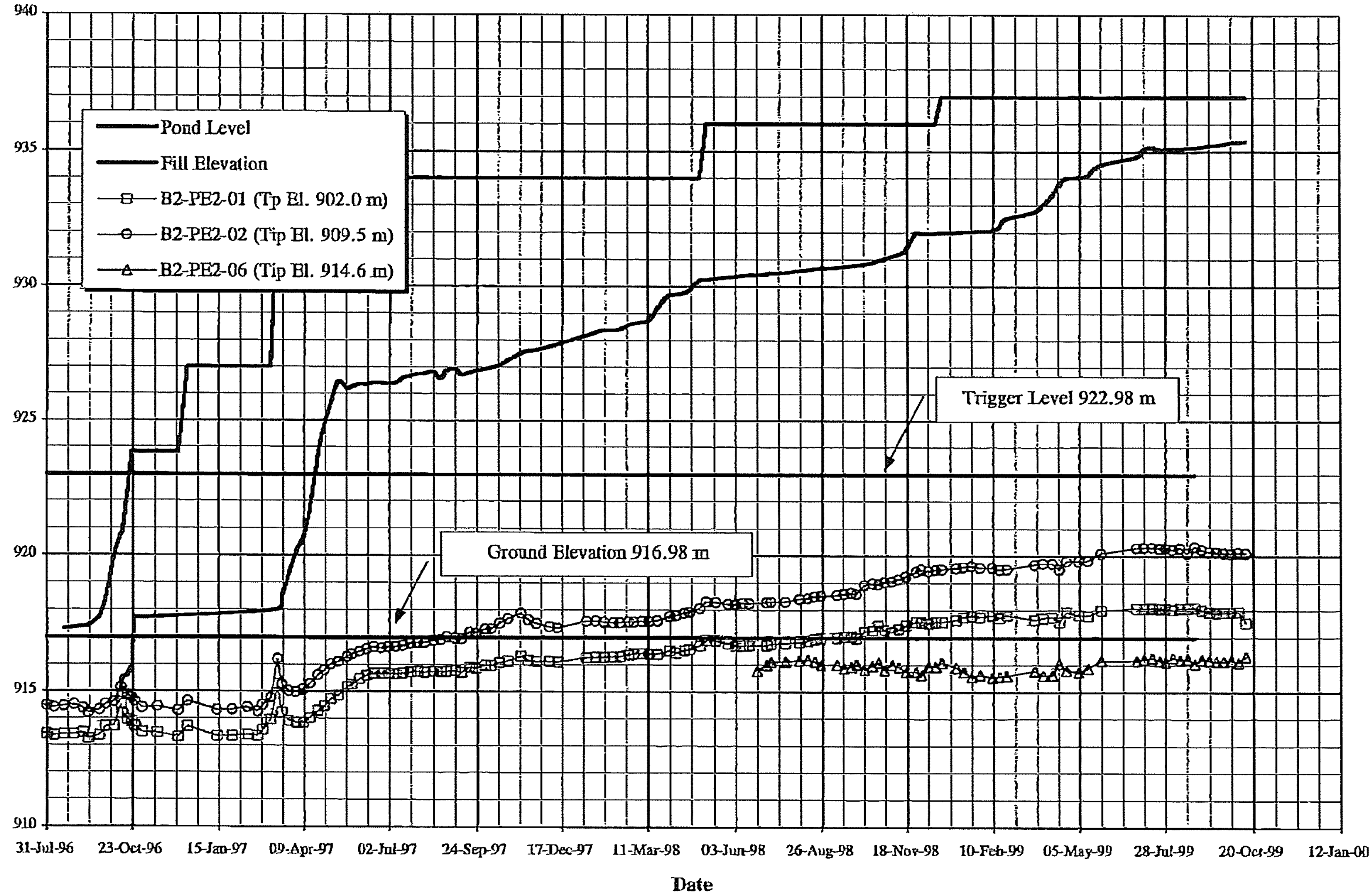

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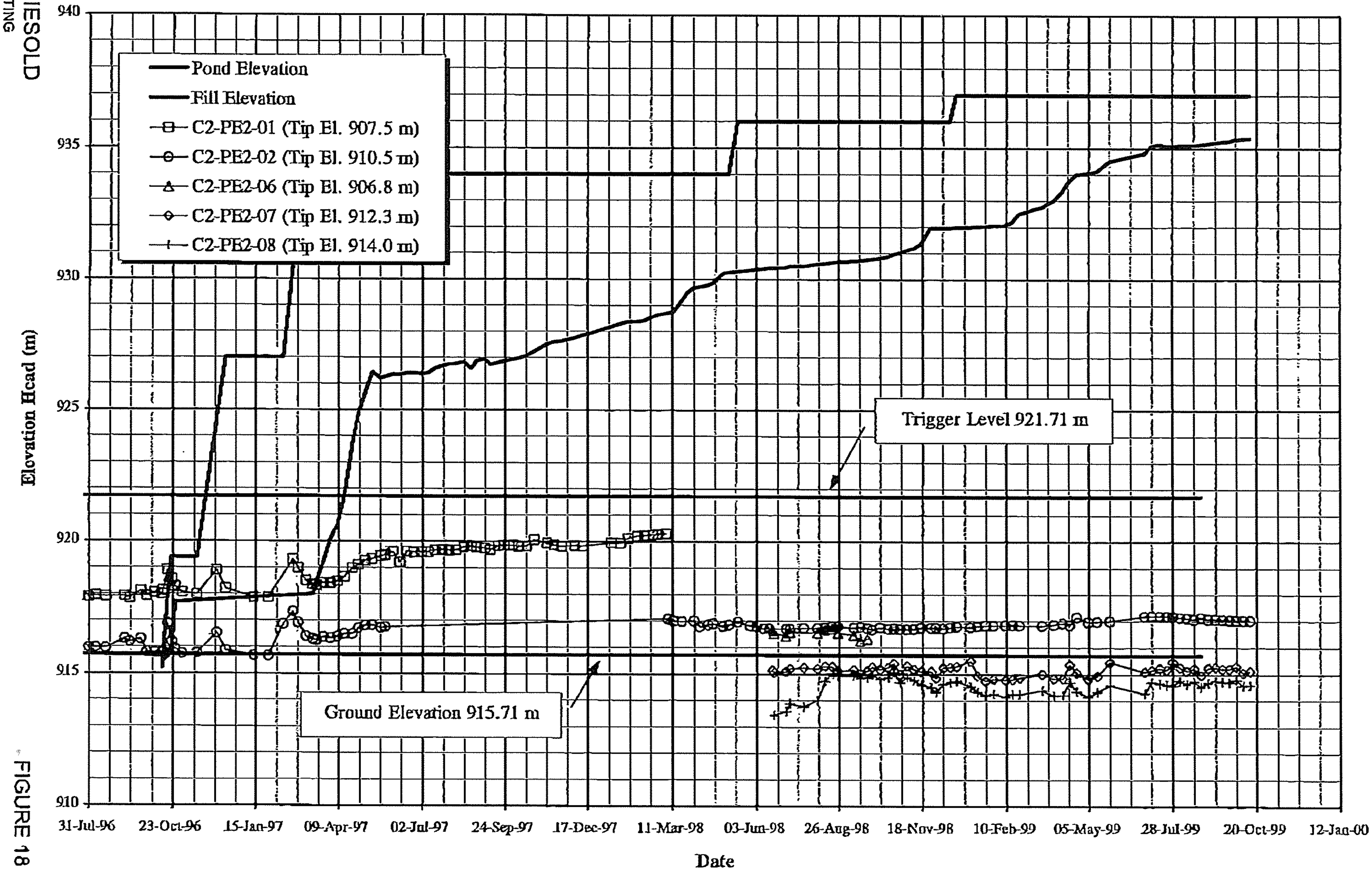
FIGURE 17

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS



KNIGHT PIESOLD
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FIGURE 18

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

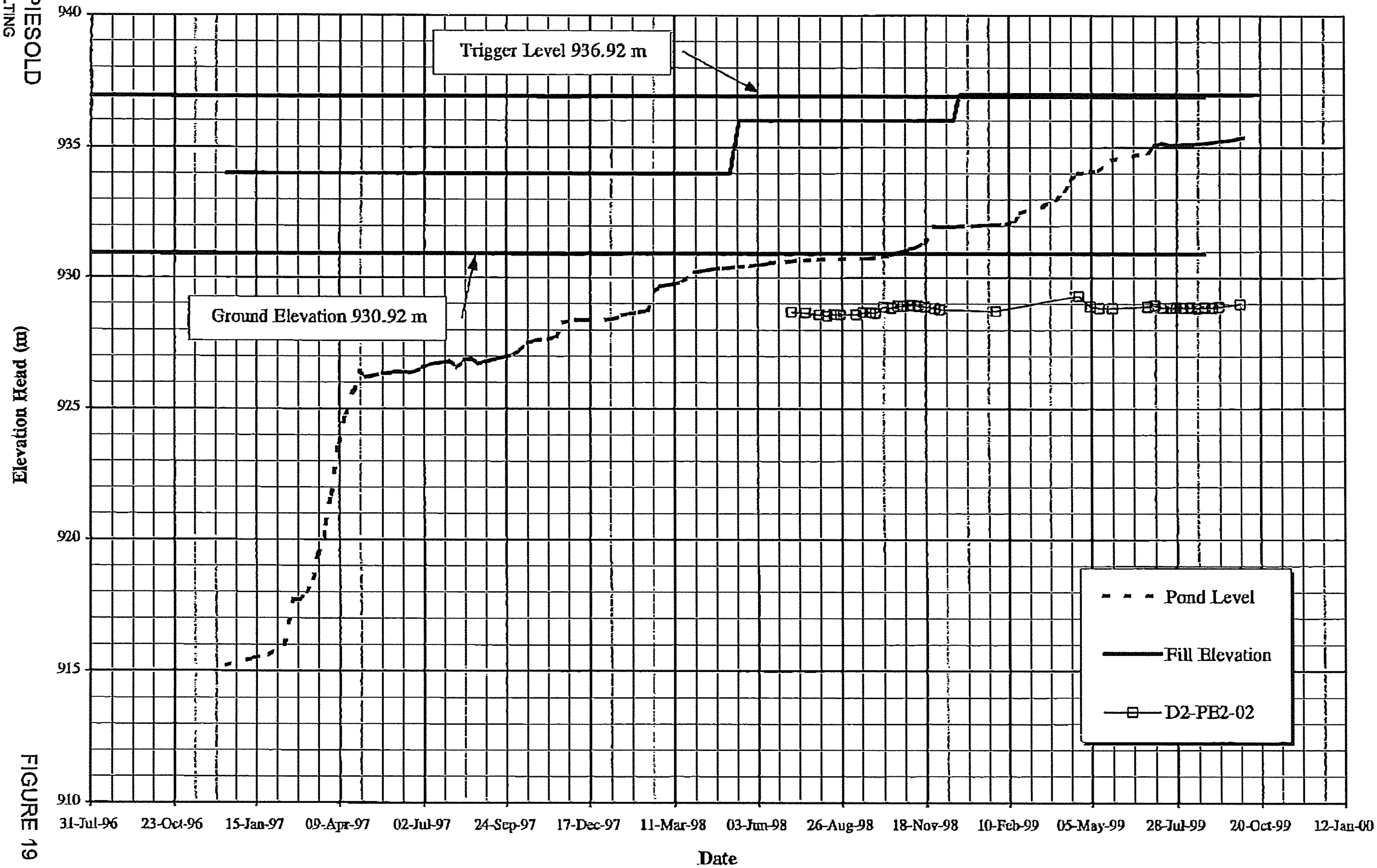

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FIGURE 19

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS

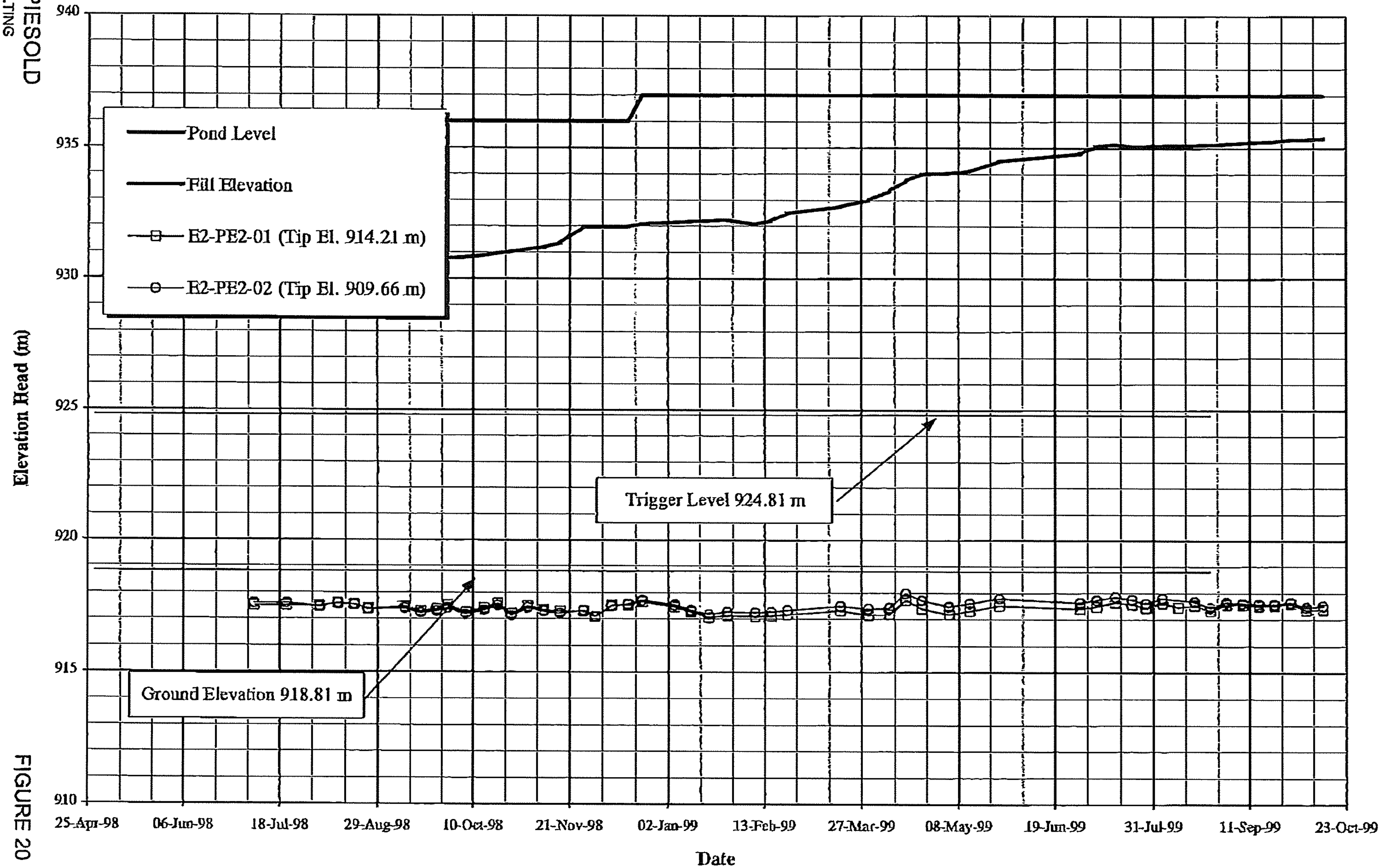

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FIGURE 20

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY
PERIMETER EMBANKMENT OUTLET DRAIN FLOWS

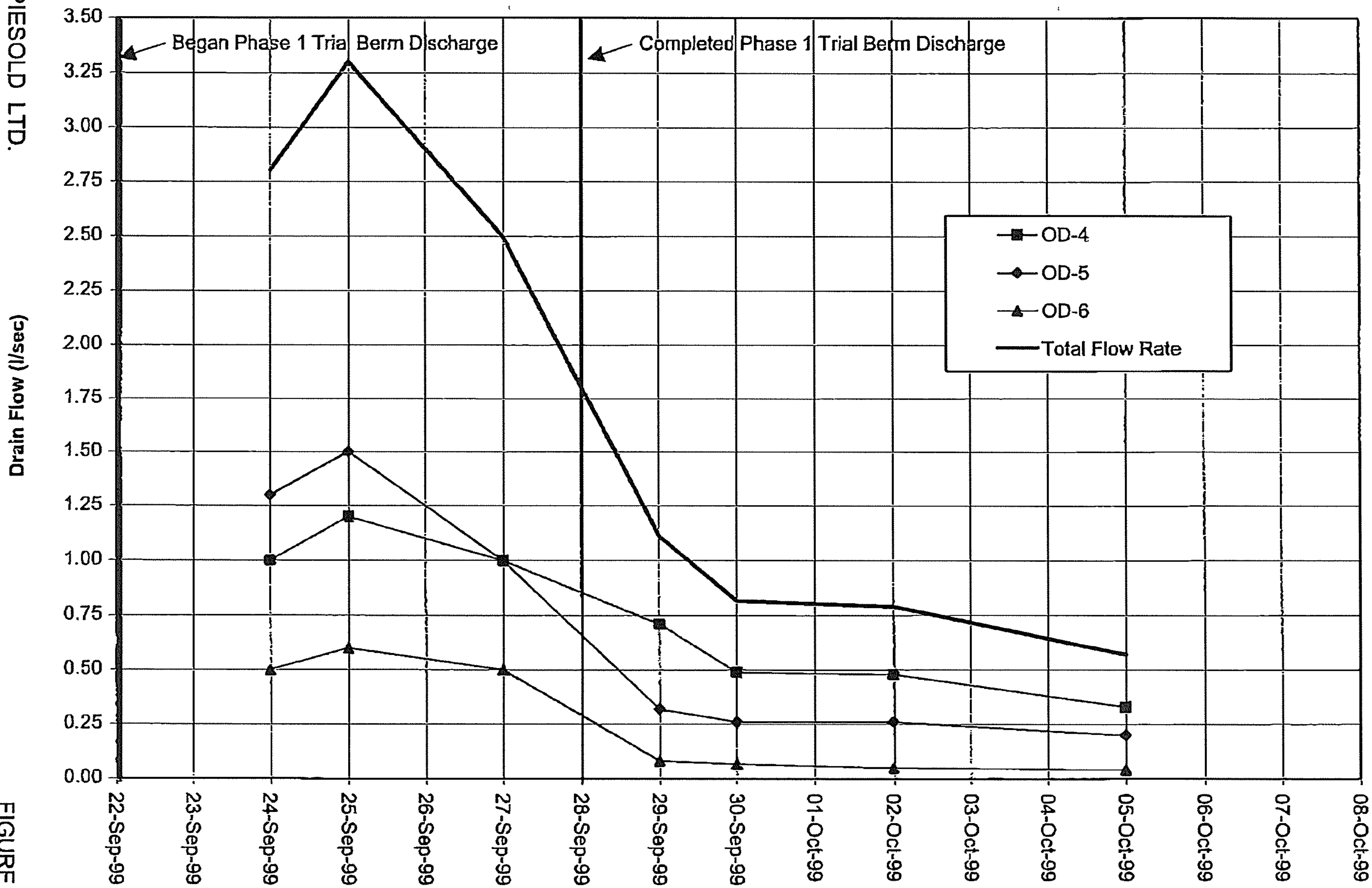

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FIGURE 21

TABLE 1

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

H:\ENG\DATA\Engdept\Geotechnical\Weekly Piezo Readings\(FD-...)\FD-Mo

Note: The elevation for the top of the casing for Ground Water Well GW94-9 is approximately 916.73 m. The ground elevation is 916.38 m.

October 12, 1999

SAMPLING DATE	FD-1			FD-2			FD-3			FD-4			FD-5			Total Flow Rate			Pond El (m)	GW96-9 (GW Well)
	Flow Rate			Flow Rate			Flow Rate			Flow Rate			Flow Rate							Elev. Above Top of Casing of well 9 (m)
Date	FD1(l/min)	(l/sec)	Comments	FD2(l/min)	(l/sec)	Comments	FD3(l/min)	(l/sec)	Comments	FD4(l/min)	(l/sec)	Comments	FD5(l/min)	(l/sec)	Comments	Total(l/min)	(l/sec)	Comments	Pond Elev.	
28-Aug-96	4.62	0.08	Clear	0.49	0.01	Clear	5.37	0.09	Clear	1.77	0.03	Tr. cloudy	-	-	-	12.25	0.20	FD-3, FD-4 incomplete		
01-Sep-96	3.55	0.06	Clear	0.82	0.01	Clear	6.56	0.11	Cloudy	1.25	0.02	V. Cloudy	-	-	-	12.18	0.20	FD-3, FD-4 incomplete		
05-Sep-96	2.60	0.04	Clear	0.62	0.01	Clear	2.71	0.05	Clear	0.93	0.02	Cloudy	-	-	-	6.86	0.11	FD-3, FD-4 incomplete		
10-Sep-96	2.04	0.03	Clear	0.66	0.01	Clear	2.17	0.04	Clear	0.81	0.01	Clear	-	-	-	5.68	0.09	FD-3, FD-4 incomplete		
27-Sep-96	3.10	0.05	Clear	0.70	0.01	Clear	3.10	0.05	Clear	1.00	0.02	Clear	-	-	-	7.90	0.13	FD-3, FD-4 incomplete		
05-Oct-95	4.94	0.08	Clear	0.77	0.01	Clear	4.33	0.07	Tr. cloudy	6.16	0.10	Tr. cloudy	-	-	-	16.20	0.27	FD-3, FD-4 incomplete		
12-Oct-96	3.90	0.07	Clear	1.00	0.02	Clear	3.50	0.06	Clear	1.80	0.03	Clear	-	-	-	10.20	0.17	FD-3, FD-4 incomplete	915.20	
13-Oct-96	4.20	0.07	Clear	0.90	0.02	Clear	13.50	0.23	Clear	1.70	0.03	Clear	-	-	-	20.30	0.34	FD-3 complete, FD-4 incomplete	915.50	
14-Oct-96	3.80	0.06	Clear	1.00	0.02	Clear	15.00	0.25	Clear	5.40	0.09	Clear	-	-	-	25.20	0.42	FD-3 complete, FD-4 complete	915.23	
17-Oct-95	5.90	0.10	Clear	0.80	0.01	Clear	16.60	0.28	Clear	5.40	0.09	Clear	-	-	-	28.70	0.48		915.44	
18-Oct-96	9.80	0.16	Clear	1.00	0.02	Clear	26.10	0.44	Clear	9.00	0.15	Clear	-	-	-	45.90	0.77		915.50	
22-Oct-96	6.20	0.10	Clear	0.80	0.01	Clear	20.40	0.34	Clear	5.90	0.10	Clear	-	-	-	33.30	0.56		915.63	
27-Oct-95	6.00	0.10	Clear	1.50	0.03	Clear	24.20	0.40	Clear	6.40	0.11	Clear	-	-	-	38.10	0.64		916.00	
15-Mar-97	3.89	0.06	Clear	1.35	0.02	Clear	8.91	0.15	Clear	3.19	0.05	Clear	-	-	-	17.34	0.29	pig installed, sump pumped out	918.00	
16-Mar-97	3.43	0.06	Clear	1.15	0.02	Clear	8.37	0.14	Clear	2.87	0.05	Clear	-	-	-	15.83	0.26	pig installed, sump pumped out	918.20	
02-Apr-97	2.10	0.04	Clear	1.12	0.02	Clear	8.40	0.14	Clear	3.46	0.06	Clear	-	-	-	15.08	0.25	pig installed, sump pumped out	920.27	
23-Apr-97	4.24	0.07	Clear	0.94	0.02	Clear	11.56	0.19	Clear	2.35	0.04	Clear	-	-	-	18.99	0.32	pig installed, sump pumped out	923.70	
24-Apr-97	3.16	0.05	Clear	0.84	0.01	Clear	12.73	0.21	Clear	2.05	0.03	Clear	-	-	-	18.78	0.31	pig installed, sump pumped out	923.75	
29-Apr-97	2.90	0.05	Clear	0.59	0.01	Clear	10.32	0.17	Clear	1.71	0.03	Clear	-	-	-	15.52	0.26	pig installed, sump pumped out	924.81	
08-May-97	3.60	0.06	Clear	0.76	0.01	Clear	14.15	0.24	Clear	1.92	0.03	Clear	-	-	-	20.43	0.34	pig out, pumped down	925.86	
13-May-97	4.04	0.07	Clear	0.79	0.01	Clear	14.85	0.25	Clear	1.95	0.03	Clear	-	-	-	21.63	0.36	pig out, pumped down	926.43	
20-May-97	4.11	0.07	Clear	0.77	0.01	Clear	17.09	0.28	Clear	1.85	0.03	Clear	-	-	-	23.82	0.40	pig out, pumped down	926.20	
28-May-97	3.99	0.07	Clear	0.80	0.01	Clear	15.71	0.26	Clear	1.87	0.03	Clear	-	-	-	22.37	0.37	pig out, pumped down	926.25	
10-Jun-97	4.15	0.07	Clear	0.82	0.01	Clear	18.35	0.31	Clear	1.89	0.03	Clear	-	-	-	25.21	0.42	pig out, pumped down	926.34	
17-Jun-97	4.10	0.07	Clear	0.78	0.01	Clear	19.93	0.33	Clear	1.85	0.03	Clear	-	-	-	26.66	0.44	pig out, pumped down	926.40	
24-Jun-97	3.97	0.07	Clear	0.84	0.01	Clear	17.24	0.29	Clear	1.83	0.03	Clear	-	-		23.88	0.40	pig out, pumped down	926.39	
01-Jul-97	3.93	0.07	Clear	0.69	0.01	Clear	14.72	0.25	Clear	1.73	0.03	Clear	-	-	-	21.07	0.35	pig out, pumped down	926.38	
08-Jul-97	4.05	0.07	Clear	0.72	0.01	Clear	18.07	0.30	Clear	1.88	0.03	Clear	-	-	-	24.72	0.41	pig out, pumped down	926.39	
15-Jul-97	4.11	0.07	Clear	0.88	0.01	Clear	15.38	0.26	Clear	2.24	0.04	Clear	-	-	-	22.61	0.38	pig out, pumped down	926.57	
22-Jul-97	4.06	0.07	Clear	0.91	0.02	Clear	15.83	0.26	Clear	2.05	0.03	Clear	-	-	-	22.85	0.38	pig out, pumped down	926.66	
29-Jul-97	4.40	0.07	Clear	0.85	0.01	Clear	20.48	0.34	Clear	2.11	0.04	Clear	-	-	-	27.84	0.46	pig out, pumped down	926.73	
05-Aug-97	4.13	0.07	Clear	0.79	0.01	Clear	18.35	0.31	Clear	1.97	0.03	Clear	-	-	-	25.24	0.42	pig out, pumped down	926.75	
13-Aug-97	4.12	0.07	Clear	0.78	0.01	Clear	24.19	0.40	Clear	2.02	0.03	Clear	-	-	-	31.11	0.52	pig out, pumped down	926.82	
20-Aug-97	4.13	0.07	Clear	0.76	0.01	Clear	15.95	0.27	Clear	1.80	0.03	Clear	-	-	-	22.64	0.38	pig out, pumped down	926.75	
26-Aug-97	4.62	0.08	Clear	0.76	0.01	Clear	18.75	0.31	Clear	1.92	0.03	Clear	-	-	-	26.05	0.43	pig out, pumped down	926.66	
03-Sep-97	4.48	0.07	Clear	0.76	0.01	Clear	16.95	0.28	Clear	1.76	0.03	Clear	-	-	-	23.95	0.40	pig out, pumped down	926.93	
09-Sep-97	4.57	0.08	Clear	0.75	0.01	Clear	16.04	0.27	Clear	1.81	0.03	Clear	-	-	-	23.17	0.39	pig out, pumped down	926.71	
17-Sep-97	4.62	0.08	Clear	0.77	0.01	Clear	16.71	0.28	Clear	1.78	0.03	Clear	-	-		23.88	0.40	pig out, pumped down	926.88	
23-Sep-97	4.64	0.08	Clear	0.78	0.01	Clear	17.75	0.30	Clear	1.83	0.03	Clear	-	-	-	25.00	0.42	pig out, pumped down	926.65	
02-Oct-97	4.78	0.08	Clear	0.82	0.01	Clear	16.76	0.28	Clear	1.86	0.03	Clear	-	-	-	24.22	0.40	pig out, pumped down	926.92	0.055
08-Oct-97	4.69	0.08	Clear	0.81	0.01	Clear	16.01	0.27	Clear	1.95	0.03	Clear	-	-	-	23.46	0.39	pig out, pumped down	926.97	0.065
16-Oct-97	5.14	0.09	Clear	1.31	0.02	Clear	17.66	0.30	Clear	2.31	0.04	Clear	-	-	-	26.42	0.44	pig out, pumped down	927.06	0.095
24-Oct-97	5.13	0.09	Clear	0.92	0.02	Clear	16.23	0.27	Clear	1.98	0.03	Clear	-	-	-	24.26	0.40	pig out, pumped down	927.23	0.095
06-Nov-97	5.51	0.09	Clear	1.20	0.02	Clear	17.70	0.30	Clear	2.39	0.04	Clear	-	-	-	26.80	0.45	pig out, pumped down	927.51	Frozen
13-Nov-97	4.90	0.08	Clear	0.65	0.01	Clear	18.58	0.31	Clear	1.87	0.03	Clear	-	-	-	26.00	0.43	pig out, pumped down	927.60	Frozen
21-Nov-97	4.37	0.07	Clear	0.76	0.01	Clear	17.91	0.30	Clear	1.79	0.03	Clear	-	-	-	24.83	0.41	pig out, pumped down	927.63	Frozen
28-Nov-97	4.14	0.07	Clear	0.77	0.01	Clear	18.18	0.30	Clear	1.85	0.03	Clear	-	-	-	24.94	0.42	pig out, pumped down	927.65	Frozen
04-Dec-97	4.03	0.07	Clear	0.85	0.01	Clear	17.67	0.29	Clear	1.78	0.03	Clear	-	-	-	24.33	0.41	pig out, pumped down	927.75	Frozen

TABLE 1 (continued)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

02-Jan-98	3.61	0.06	Clear	0.74	0.01	Clear	16.30	0.27	Clear	1.73	0.03	Clear	-	-	-	22.58	0.38	pig out, pumped down	928.10	Frozen
14-Jan-98	3.85	0.06	Clear	0.60	0.01	Clear	16.57	0.28	Clear	1.77	0.03	Clear	-	-	-	22.99	0.38	pig out, needs pumping	928.25	Frozen
21-Jan-98	3.57	0.06	Clear	0.74	0.01	Clear	16.42	0.27	Clear	1.82	0.03	Clear	-	-	-	22.55	0.38	pig out, needs pumping	928.30	Frozen
08-Apr-98	3.84	0.06	Clear	0.67	0.01	Clear	15.54	0.26	Clear	1.52	0.03	Clear	-	-	-	21.57	0.36	pig out, pond pumped down	929.70	-
17-Apr-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	929.85	-
25-May-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	930.10	-
02-Jun-98	3.52	0.06	Clear	0.78	0.01	Clear	15.58	0.26	Clear	1.42	0.02	Clear	6.80	0.11	Clear	28.10	0.47	pig out, pond pumped down	930.36	-
10-Jun-98	3.83	0.06	Clear	0.79	0.01	Clear	14.60	0.24	Clear	1.44	0.02	Clear	7.51	0.13	Clear	28.17	0.47	pig out, pond pumped down	930.39	-
16-Jun-98	3.77	0.06	Clear	0.78	0.01	Clear	16.35	0.27	Clear	1.41	0.02	Clear	7.93	0.13	Clear	30.24	0.50	pig out, pond pumped down	930.42	-
03-Jul-98	3.89	0.06	Clear	0.76	0.01	Clear	16.14	0.27	Clear	2.37	0.04	Clear	12.53	0.21	Clear	35.69	0.59	FD-5 is spilling onto FD-4 providing higher values than normal	930.45	
07-Jul-98	3.71	0.06	Clear	0.72	0.01	Clear	16.03	0.27	Clear	2.22	0.04	Clear	9.66	0.16	Clear	32.34	0.54	negative value is below top of casing	930.50	-0.135
24-Jul-98	3.53	0.06	Clear	0.72	0.01	Clear	15.75	0.26	Clear	1.95	0.03	Clear	8.70	0.15	Clear	30.66	0.51	-	930.53	0.28
12-Aug-98	3.46	0.06	Clear	0.62	0.01	Clear	15.96	0.27	Clear	1.90	0.03	Clear	7.30	0.12	Clear	29.24	0.49	-	930.61	0.33
19-Aug-98	3.17	0.05	Clear	0.56	0.01	Clear	15.83	0.26	Clear	2.26	0.04	Clear	8.08	0.13	Clear	29.90	0.50	-	930.64	-
10-Sep-98	3.60	0.06	Clear	0.57	0.01	Clear	16.35	0.27	Clear	2.00	0.03	Clear	8.02	0.13	Clear	30.57	0.51	-	930.70	-
17-Sep-98	3.53	0.06	Clear	0.69	0.01	Clear	16.42	0.27	Clear	2.20	0.04	Clear	8.52	0.14	Clear	31.30	0.52	-	930.73	-
24-Sep-98	3.62	0.06	Clear	0.64	0.01	Clear	15.64	0.26	Clear	2.06	0.03	Clear	7.77	0.13	Clear	29.73	0.50	-	930.77	-
07-Oct-98	3.72	0.06	Clear	1.05	0.02	Clear	14.22	0.24	Clear	2.36	0.04	Clear	13.39	0.22	Clear	34.74	0.58	positive value is above top of casing	930.81	0.18
15-Oct-98	3.82	0.06	Clear	1.10	0.02	Clear	14.53	0.24	Clear	2.56	0.04	Clear	15.83	0.26	Clear	37.84	0.63	-	930.87	
21-Oct-98	3.94	0.07	Clear	1.12	0.02	Clear	15.35	0.26	Clear	2.95	0.05	Clear	18.46	0.31	Clear	41.82	0.70	-	930.95	
17-Nov-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Sump flooded, needs to be pumped		0.11
27-Nov-98	4.21	0.07	Clear	1.01	0.02	Clear	14.28	0.24	Clear	2.35	0.04	Clear	11.76	0.20	Clear	33.62	0.56		931.35	-0.03
02-Dec-98	4.35	0.07	Clear	0.92	0.02	Clear	14.16	0.24	Clear	2.37	0.04	Clear	11.46	0.19	Clear	33.26	0.55		931.97	-0.03
09-Dec-98	4.34	0.07	Clear	0.79	0.01	Clear	16.56	0.28	Clear	2.01	0.03	Clear	9.78	0.16	Clear	33.49	0.56		931.97	Frozen
16-Dec-98	4.33	0.07	Clear	0.97	0.02	Clear	13.92	0.23	Clear	2.83	0.05	Clear	19.32	0.32	Clear	41.37	0.69		931.97	Frozen
22-Dec-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded, needs to be pumped down	931.99	Frozen
05-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.00	Frozen
12-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.02	Frozen
20-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.03	Frozen
28-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.05	Frozen
09-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.06	Frozen
16-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.07	Frozen
23-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.08	Frozen
18-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	933.08	Frozen
30-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	934.08	Frozen
08-Apr-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	935.08	Frozen
29-Sep-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		26.40	0.44	Clear	#N/A	#N/A	FD-5 above sump water surface	935.34	

TABLE 2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

PERIMETER EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

H:\ENG\DATA\Engdocs\Geotechnical\Weekly Piezo Readings\[FD-mon OD-mon.xls]OD-Mon

October 12, 1999

SAMPLING DATE	OD-4			OD-5			OD-6			Total Flow Rate		
	Flow Rate			Flow Rate			Flow Rate					
Date	OD4(l/min)	(l/sec)	Comments	OD5(l/min)	(l/sec)	Comments	OD6(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments
17-Sep-99	#NA	#NA		#NA	#NA		#NA	#NA		-	-	Drains Flooded
24-Sep-99	60.00	1.00		78.00	1.30		30.00	0.50		168.00	2.80	Flows Estimated
25-Sep-99	72.00	1.20		90.00	1.50		36.00	0.60		198.00	3.30	Flows Estimated
27-Sep-99	60.00	1.00		60.00	1.00		30.00	0.50		150.00	2.50	Flows Estimated
29-Sep-99	42.60	0.71		19.20	0.32		4.92	0.08		66.72	1.11	* Flows Measured *
30-Sep-99	29.40	0.49		15.60	0.26		4.02	0.07		49.02	0.82	* Flows Measured *
02-Oct-99	28.80	0.48		15.60	0.26		3.00	0.05		47.40	0.79	* Flows Measured *
05-Oct-99	19.80	0.33		12.00	0.20		2.46	0.04		34.26	0.57	* Flows Measured *

14745-40/MTPO/01

Knight Piésold CONSULTING	DATE:	7-Oct-1999	FILE NO.:	11162/10.F01/F02/F05/F07
Knight Piésold, Mt. Polley Site	TIME:		REF NO.:	99-026
Fax: (250) 790-2268	OPERATOR:		PAGES:	1 of 58
Phone: (250) 790-2215	SENDER:	Ian Manning	APPROVED:	

TO:	KP Vancouver	**FAX :**	604-685-0147
ATTN:	Ken Brouwer		
CC:	George Headley, Ministry of Energy and Mines		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report #2		

Dear Ken,

Please find attached Progress Report No. 3 for Stage 2C Construction at the Mount Polley Mine. This document is for the reporting period September 16 to 30, 1999.

Best Regards,

Ian Manning
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 3
SEPTEMBER 16 to SEPTEMBER 30, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ian Manning (IBM), Project Engineer
- John Wilkinson (JMTW), Senior Engineer (left site 16-September)
- Leon Gous (LAG), Senior Engineer (left site 16-September)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 WEATHER

Conditions were generally mixed over the reporting period. It was mostly sunny from September 16 to 22. Zone B and S fill placement construction activities were postponed as a result of rain on September 23. The remainder of September was generally overcast and unseasonably cold. Zone B and S fill placement had not recommenced by the end of the reporting period.

1.3 CONTRACT DEVELOPMENTS

Over the reporting period, four (4) design change requests were issued from IM to the KP Vancouver office. These design changes were as follows:

- Minor geometry modification and relocation of the cycloned sand d/s trial berm.
- The use of Zone B till material to replace u/s Zone CS cycloned sand and d/s Zone T rockfill materials between CH. 26+80 to approximate CH 32+50.
- Changes to u/s toe drain outlet pipe minimum trench dimensions, and backfill specifications.

- Relocation of u/s toe drain to Stage 2A embankment inside bench, approximately 2 metres downstream of original design location.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Over the reporting period, tailings underflow (Zone CS) cycloned sand was discharged upstream of the Perimeter Embankment crest. A significant beach continues to be present upstream of the Main Embankment Zone CS. Wind erosion of the cycloned sand was not observed over the reporting period.

By the end of the reporting period, ponding water still lies against approximately 70% of the Perimeter Embankment upstream crest. Accelerated Zone CS placement in these areas is currently underway to meet future fill placement and freeboard requirements.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

MPMC carried out the following activities during the reporting period:

Cycloned Sand Operations

- Movement and maintenance of the tailings lines and 20" cyclones on the Perimeter Embankment.
- Continued Stage 2C discharging of Zone CS cycloned sand along the u/s Perimeter Embankment.
- Maintenance and optimization of cyclones.
- Excavator work continued to remove Zone CS cycloned sand from the Main Embankment upstream Stage 2B Zone S contact, in preparation for u/s toe drain and Zone FS filter sand placement. (completed 1-Oct-99)
- Dozer work was carried out along upstream Zone CS cycloned sand, to fill in all low spots and create a continuous cycloned sand zone as designed along the Main Embankment u/s alignment.
- On 27-Sept-99, the tailings operators conducted underflow timed-discharge "bucket" tests, in order to determine the flow through all Perimeter Embankment cyclones at known discharge pulp densities and mill throughput values.

Downstream Cycloned Sand Trial

- Placement of Zone T material from Rock Borrow for haul road widening in vicinity of downstream cycloned sand trial berm. Ditching was extended along d/s edge of widened road.

- Zone T rock material was placed against the Perimeter Embankment d/s face to form a containment berm for the downstream cycloned sand trial. The upstream berm face was covered with geotextile fabric, to create a filter relationship between the Zone T berm and the cycloned sand deposit.

- Outlet drains OD-4 and OD-5 are located within the trial berm area. In order to prevent material from migrating into the drains, the exposed perforated drain pipes (located along the d/s Perimeter Embankment mid-height bench) were cut below surface, covered with filter fabric, backfilled and compacted with glacial till.

- The Zone T haul road base within the trial berm area was ripped with a dozer, to allow for drainage to occur beneath the cycloned sand deposit.

- Two piezometer planes (D and F) were positioned within the trial berm area. Steel posts were installed at three locations along each plane, with five (5) piezometers being installed at various elevations within each plane. All piezometer leads were wrapped in geotextile fabric and routed to the downstream side of the Zone T containment berm.

- Surveyors picked up the base geometry of the trial berm area, locations of the piezometers, and the final cycloned sand cone geometry upon completion of deposition.

- Cycloning within the downstream trial berm took place between 22-Sept-99 and 28-Sept-99. Two cyclones (#1 and #3) were used to discharge from five locations along the length of the trial berm area.

<u>Stage 2C Embankment Construction</u>

- Placement of Zone T material from rock borrow for access road extension into Borrow Area #2.

- Overburden stripping and Zone B/S till borrow development within Borrow Area #2.

- Foundation preparation was completed along left abutment of Main Embankment and right abutment of Perimeter Embankment.

- On 25-Sept-99, excavator operator dug ditch along u/s right abutment of Main Embankment, to relieve ponded water from u/s toe drain excavation.

- Surveyors set out 5H:1V toe location along the Main Embankment left downstream footprint, and staked out location of buried toe drain conveyance pipe. Dozer foundation stripping began along the downstream Stage 3 footprint area.

- Zone B & S fill placement and compaction was carried out from 20-Sept-99 to 23-Sept-99. Four (4) 300mm lifts of u/s & d/s Zone B and Zone S till zones were completed to the Zone T haul road elevation along the Main Embankment left end, from CH 26+80 to CH 28+00. Two (2) 300mm

Zone B/S lifts were completed along the Perimeter Embankment right end from CH 28+60 to CH 29+30, with one Zone B/S 300mm lift completed from CH 29+30 to CH 31+00.

Fill Placement Summary

Embankment Zone	Volume Placed over Period (m^3)	Total Volume to Date (m^3)	Total Volume Required (m^3)	Percent Complete (%)
S (till core)	1660	1660	70,000	2.4
B (till)	7350	7350	17,000	43.2
F (filter sand)	0	0	5,598	0

Miscellaneous

- Drainage pipe from Perimeter Embankment seepage collection pond was routed beneath Zone T haul road to u/s side of embankment, and pumping of water into the tailings facility was carried out.
- Development blast-hole drilling was completed along crest of the Zone T rock borrow. Blast within rock borrow took place on 22-Sept-99.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

Downstream Cycloned Sand Trial

- Vibrating wire piezometers (10) were installed on posts within the downstream cycloned sand trial berm area. All piezometer leads were wrapped in geotextile fabric and routed to the d/s Zone T containment berm face.
- Produced table for collection of piezometric and drain flow monitoring data during the downstream cycloned sand trial. Over reporting period, IM monitored Plane D and F piezometers within downstream trial berm, and updated piezometer plots.
- Following pumping of the Perimeter Embankment seepage collection pond, outlet drains OD-4, 5, and 6 were exposed on 24-Oct-99. From 24-Oct-99 to 27-Oct-99, outlet drain flows were visually estimated. A ladder was installed within the outlet drain sump on 29-Sept-99, after which outlet drain flows were measured by timed discharge.

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Stage 2C Embankment Construction

- A Site Memorandum was issued to Eric LeNeve (MPMC) summarizing results of the 1999 Borrow Area #2 Material Investigations, including borehole logs and laboratory moisture content results.

- Drillhole coordinates from Borrow Area #2 Investigations were emailed to KP Vancouver. An investigations plan was sent back to IM on-site. Section lines were created through Borrow Area #2, with various 1995, 1998 and 1999 testpit and drillholes plotted onto each section. IM began plotting geologic descriptions and moisture content data onto sections.

- A foundation acceptance form was issued for the Main Embankment left abutment footprint from CH 26+80 to CH 28+00. Foundation acceptance forms were also issued for the Perimeter Embankment right end footprint from CH 28+60 to CH 32+05 (u/s Zone B), CH 31+10 (Zone S core), and to CH 32+45 (d/s Zone B).

- Stage 2C QA/QC test frequency schedule was created on-site and approved by KP Vancouver.

- Nuclear densometer record testing was carried out on all placed and compacted Zone B and S materials, to measure achieved field dry density and moisture content values. The minimum acceptable field density requirement for compacted Zone B material is 92% of Standard Maximum Dry Density (SMDD), and 95% SMDD for Zone S core material.

- IM marked locations on toe drain outlet pipes (4) for pipe cutting and adapter fusing at u/s end of pipes.

Miscellaneous

- Lab test summary sheets were created for all Zone S and T control testing conducted to date.

- Progress Report No. 2 was issued, for the reporting period September 1 to 15, 1999.

- Daily summaries of QA/QC and construction activities were submitted to MPMC.

- Received preliminary Stage 3 plan drawings from KP Vancouver office.

- Biosolids area survey data was emailed to KP Vancouver.

- Main Embankment u/s cycloned sand and beach survey data was emailed to KP Vancouver.

- Preliminary lab requirement summary table for quote submission to MTS was created. This table was not completed by the end of the reporting period, as IM was awaiting feedback from KP Vancouver regarding lab testing requirements for downstream cycloned sand trial.

- On 29-Sept-99, IM created profile along alignment of Main Embankment u/s right abutment ditch. Ditch was excavated within basin liner material for approximate 200 metres upstream of embankment. It will be required for this basin liner to be replaced during Stage 2C construction. A Memo was issued to Eric Leneve (MPMC) regarding the results of ditch investigation (1-Oct-99).

- On 29-Sept-99, IM assisted Japanese representatives in reading all TSF piezometers, and measuring flow within Main Embankment foundation drain FD-5 (other foundation drains still underwater).

- Received letter from KP Vancouver regarding cycloned sand Stage 3 deposition options.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

Ten (10) piezometers were installed over the reporting period within the downstream cycloned sand trial berm, along Perimeter Embankment instrumentation Planes D and F. These piezometers were monitored daily by Knight Piésold, and are presented on the attached plots. As shown on these plots, piezometric pressures are still dissipating, following completion of cycloned sand deposition within the downstream trial area on 28-Sept-99.

Readings from all other TSF piezometers were taken by MPMC representatives on September 22 and 29. The following observations are based on the data from the attached piezometric plots.

- Foundation Piezometers
  All foundation piezometers have generally remained static through spring runoff and have not reacted to placement of Zone CS material.

- Fill Piezometers
  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) have increased, likely as a result of Zone CS placement. The remainder of the piezometers placed in the engineered fill have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers

Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level quite accurately, while the tailings piezometers at Plane A have reacted to the placement of Zone CS material.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains have been flooded, and the flows have not been recorded since December 22, 1998. On 29-Sept-99, flows from foundation drain FD-5 were measured, as this drain was found to be exposed above the sump water level. MPMC plans to lower the level of the pond in order to continue monitoring of all foundation drain flows. A summary table of measured foundation drain flows is attached.

MPMC has constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels.

Knight Piésold has estimated outlet drain flows at the Perimeter Embankment seepage collection pond during the downstream cycloned sand trial. On 29-Sept-99, a ladder was installed within the outlet drain sump, and actual measured flows through outlet drains OD-4, 5, and 6 have been taken since this date. As shown on the attached table and plot, outlet drain flows increased during cycloned sand deposition within the downstream trial berm, and began dissipating prior to completion of cycloned sand discharge.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) has not been monitored this season due to a break in the pipe. The pipe will be repaired in the future and readings will recommence.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

Over the reporting period, bi-weekly composite samples of overflow and underflow were collected by MPMC from each cyclone. In addition, bi-weekly composite sampling of the mill feed was carried out. All bi-weekly composite cycloned sand underflow, overflow and mill feed tailings samples are tested by MPMC personnel, as presented on the attached tables and plots.

One Control Zone S sample from Borrow Area #2 was collected during the reporting period. Testing of this sample was still underway at the end of the reporting period.

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Three (3) cycloned sand samples were collected from various locations within the downstream cycloned sand trial area over the reporting period. Laboratory testing of these samples has not yet been conducted.

Submitted by,

Ian Manning
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 1 UNDERFLOW GRADATIONS

N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-1 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #1	99.9	99.9	99.48	99.00	97.60	92.00	75.60	52.40	36.60	27.10	16.30	14.20	-	-	-	-	-
May 12 17, 1999	Cyclone #1		100.0	99.50	98.90	96.80	89.50	73.20	53.90	38.50	29.00	16.5	14.3	-	-	-	-	-
May 18- 26, 1999	Cyclone #1			100.0	99.9	99.4	96.6	88.3	68.8	43.2	27.3	17.2	13.5	-	-	-	-	-
May 27- 30, 1999	Cyclone #1		100.0	99.9	99.6	98.2	92.2	75.5	54.6	36.8	23.9	15.6	12.7	-	-	-	-	-
May 31- June 2, 1999	Cyclone #1			100.0	99.9	99.6	98.3	91.4	72.5	50.8	37.1	28.5	25.5	-	-	-	-	-
June 4,1999	Cyclone #1		100.0	99.8	99.2	96.8	91.7	77.4	54.1	35.9	24.4	15.9	12.9	-	-	-	-	-
June 6,1999	Cyclone #1		100.0	99.9	99.6	98.3	95.3	84.9	62.0	40.4	26.5	16.4	13.1	-	-	-	-	-
June15,1999	Cyclone #1		100.0	99.4	99.0	98.1	95.7	86.8	63.5	39.6	27.1	15.3	13.3	-	-	-	-	-
June 16-20, 1999	Cyclone #1		100.0	99.8	99.5	98.5	94.3	81.7	55.8	38.8	27.6	17.0	14.2	-	-	-	-	-
June 23,1999	Cyclone #1			100.0	99.8	99.3	97.7	88.8	65.8	49.0	32.7	19.1	15.4	-	-	-	-	-
June 28,1999	Cyclone #1		100.0	99.5	98.8	96.8	90.9	73.6	50.7	35.4	26.7	15.9	13.7	-	-	-	-	-
July 3,1999	Cyclone #1		100.0	99.4	98.7	97.1	93.7	83.4	59.8	37.6	27.1	16.3	14.2	-	-	-	-	-
July 6,1999	Cyclone #1		100.0	99.8	99.5	98.3	94.7	83.5	60.8	39.6	28.5	17.0	15.0	-	-	-	-	-
July 8-11, 1999	Cyclone #1		100.0	99.7	99.4	97.0	90.8	74.3	50.6	33.1	23.4	12.8	11.1	-	-	-	-	-
July 15,1999	Cyclone #1		100.0	99.7	99.2	94.6	82.0	61.0	42.6	30.4	21.3	13.7	12.0	-	-	-	-	-
July 22,1999	Cyclone #1		100.0	99.9	99.8	99.1	96.1	84.9	60.8	39.9	28.3	20.6	13.1	-	-	-	-	-
July 25,1999	Cyclone #1		100.0	99.6	99.1	97.9	94.1	82.5	59.2	41.9	30.7	19.1	14.3	-	-	-	-	-
July 29,1999	Cyclone #1		100.0	99.8	99.7	98.3	93.9	81.6	60.4	43.6	31.6	19.4	15.4	-	-	-	-	-
August 1,1999	Cyclone #1		100.0	99.9	99.7	98.2	92.7	78.0	55.4	42.4	31.5	19.8	17.6	-	-	-	-	-
August 5,1999	Cyclone #1			100.0	99.9	99.5	99.0	89.6	75.1	56.5	41.0	23.2	17.5	-	-	-	-	-
August 8,1999	Cyclone #1			100.0	99.9	99.0	93.8	79.4	55.8	38.0	27.9	18.1	14.8	-	-	-	-	-
August 12,1999	Cyclone #1			100.0	99.9	99.2	97.9	83.4	60.2	41.5	29.7	18.0	14.2	-	-	-	-	-
August 16,1999	Cyclone #1				100.0	99.4	95.2	79.6	59.6	42.9	31.7	21.3	16.9	-	-	-	-	-
August 18,1999	Cyclone #1		100.0	99.9	99.8	99.3	95.9	84.7	67.2	46.4	32.6	18.2	15.6	-	-	-	-	-
August 23,1999	Cyclone #1			100.0	99.9	99.2	94.9	77.8	55.5	36.8	26.0	14.1	12.0	-	-	-	-	-
August30,1999	Cyclone #1			100.0	99.8	98.3	91.9	74.6	54.5	38.0	27.5	15.8	13.8					
September2,1999	Cyclone #1			100.0	99.9	98.1	90.9	70.8	50.1	34.4	24.9	15.1	13.3					
September19,1999	Cyclone #1		100.0	97.7	97.1	96.3	94.3	84.8	64.0	43.1	30.2	16.4	13.9					
September 26,1999	Cyclone #1				100.0	99.5	96.2	82.3	59.4	39.6	28.2	15.8	13.6					
	MEDIAN	99.9	100.0	99.9	99.7	98.3	94.3	81.7	59.4	39.6	27.9	16.5	14.2	-	-	-	-	-
	MAXIMUM	99.9	100.0	100.0	100.0	99.6	99.0	91.4	75.1	56.5	41.0	28.5	25.5	-	-	-	-	-
	MINIMUM	99.9	99.9	97.7	97.1	94.6	82.0	61.0	42.6	30.4	21.3	12.8	11.1	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-1 Summary.xls Sheet: Under Plot Date: 06/10/99 Time Plotted: 2:39 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-1 UNDERFLOW TAILINGS SAMPLES

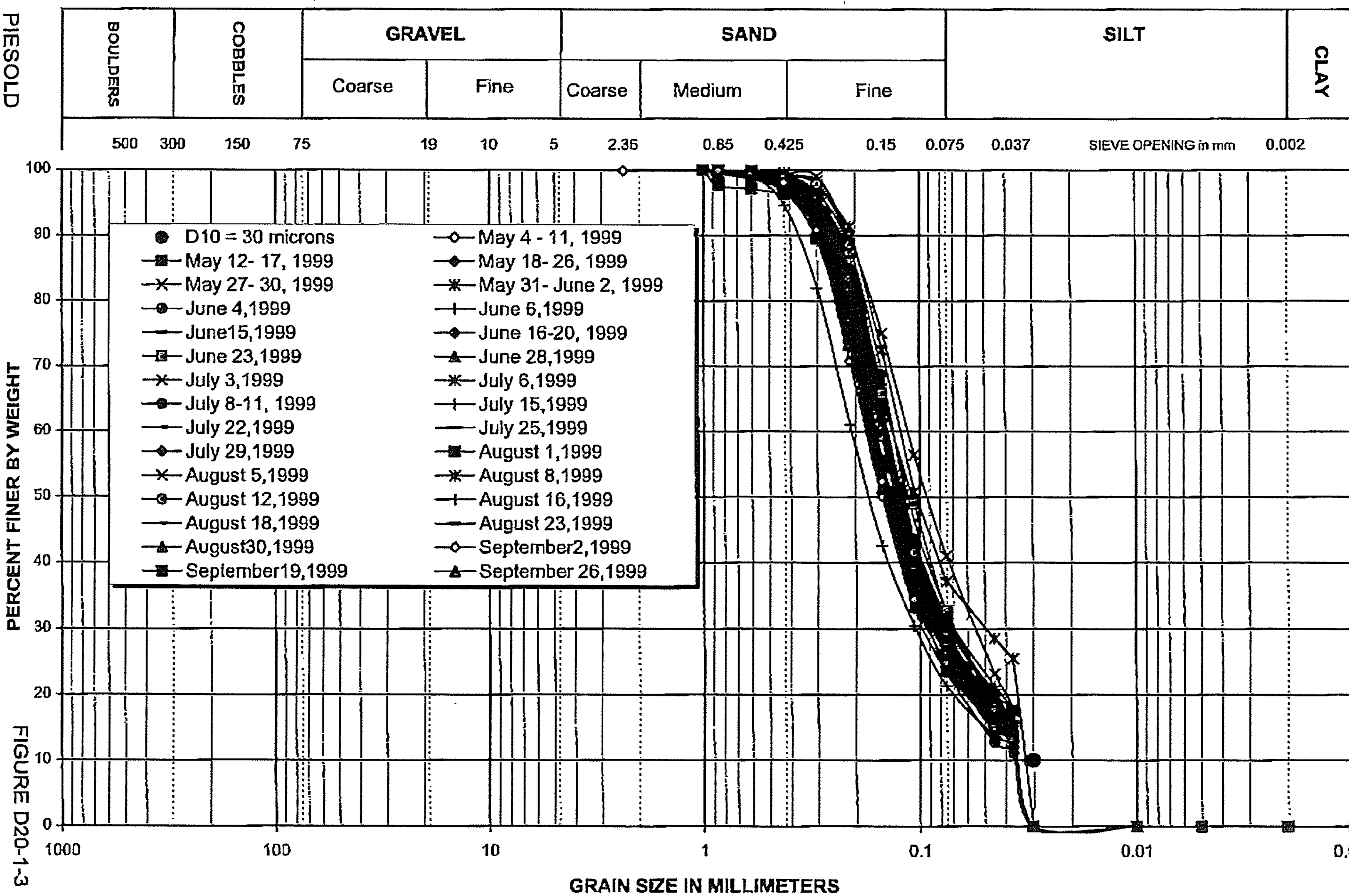


FIGURE D20-1-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 2 UNDERFLOW GRADATIONS

F/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-2 UNDERFLOW TAILINGS SAMPLES

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
May 4 - 11, 1999	Cyclone #2			100.00	99.90	99.30	96.30	84.00	58.80	39.00	26.40	16.60	14.40	-	-	-	-	-
May 12- 17, 1999	Cyclone #2		100.0	99.80	99.50	99.10	98.00	92.90	75.30	47.00	26.60	16.1	12.4	-	-	-	-	-
May 18- 26, 1999	Cyclone #2		100.0	99.3	98.3	95.1	86.1	67.8	44.7	28.5	19.3	12.8	10.4	-	-	-	-	-
May 27- 30, 1999	Cyclone #2		100.0	100.0	99.7	98.9	93.5	80.0	51.3	36.4	26.1	14.9	13.1	-	-	-	-	-
May 31- June 2, 1999	Cyclone #2		100.0	99.1	98.3	95.5	88.9	72.9	50.4	33.6	22.4	14.2	11.1	-	-	-	-	-
June 4,1999	Cyclone #2		100.0	98.1	96.6	93.1	87.3	73.6	50.5	33.8	24.1	16.8	14.3	-	-	-	-	-
June 5,1999	Cyclone #2		100.0	99.3	98.3	94.1	84.2	64.9	44.8	32.0	23.6	16.4	13.8	-	-	-	-	-
June 7,1999	Cyclone #2		100.0	98.9	97.8	95.6	89.1	75.1	48.6	35.0	22.9	15.7	12.9	-	-	-	-	-
June 8,1999	Cyclone #2		100.0	99.3	98.5	95.7	93.4	79.4	35.9	37.5	27.3	16.1	13.6	-	-	-	-	-
June 14 – 16, 1999	Cyclone #2		100.0	98.3	98.1	94.6	85.9	68.6	49.2	35.0	26.3	16.2	14.2	-	-		-	-
June 15,1999	Cyclone #2		100.0	98.1	96.8	93.5	85.7	69.5	47.8	31.6	22.3	14.1	12.7	-	-	-	-	-
June 16-20, 1999	Cyclone #2		100.0	98.2	97.4	95.4	89.9	77.9	55.5	38.8	26.9	16.4	13.7	-	-	-	-	-
June 23,1999	Cyclone #2		100.0	98.7	97.3	94.0	88.3	71.3	45.8	32.5	22.4	14.1	11.6	-	-	-	-	-
June 28,1999	Cyclone #2		100.0	98.7	97.6	94.6	86.4	66.5	45.7	31.9	23.8	14.0	12.2	-	-	-	-	-
July 3,1999	Cyclone #2			100.0	99.9	99.6	97.2	88.3	71.3	52.9	39.4	22.9	19.5	-	-	-	-	-
July 5,1999	Cyclone #2		100.0	98.9	97.6	92.6	82.5	66.0	50.5	39.2	31.9	23.7	22.1	-	-	-	-	-
July 6,1999	Cyclone #2		100.0	99.1	98.4	96.4	91.8	77.3	52.9	35.1	25.4	15.1	13.5	-	-	-	-	-
July 15,1999	Cyclone #2		100.0	99.9	99.7	97.4	90.0	73.3	55.3	41.0	27.7	16.9	14.8	-	-	-	-	-
July 19,1999	Cyclone #2		100.0	99.9	99.7	98.7	93.4	76.3	53.0	38.1	27.7	21.7	13.6	-	-		-	-
July 22,1999	Cyclone #2			100.0	99.9	99.3	96.3	83.3	58.5	40.2	29.2	20.2	13.6	-	-	-	-	-
July 25,1999	Cyclone #2		100.0	99.6	99.2	98.2	97.0	81.3	58.8	44.6	31.7	20.3	18.3	-	-	-	-	-
August 1,1999	Cyclone #2		100.0	99.7	99.2	96.8	91.4	78.9	57.8	44.5	32.5	19.9	17.5	-	-	-	-	-
August 5,1999	Cyclone #2		100.0	99.7	98.3	95.7	86.8	71.5	53.2	40.6	29.2	20.1	15.8	-	-	-	-	-
August 8,1999	Cyclone #2			100.0	99.8	97.8	88.5	68.4	46.9	32.3	23.8	15.5	12.7	-	-	-		-
August 12,1999	Cyclone #2		100.0	99.9	99.7	98.0	92.3	73.6	51.8	36.7	27.1	17.3	14.3	-	-	-	-	-
August 16,1999	Cyclone #2			100.0	99.9	98.9	93.1	74.7	55.4	39.4	28.4	20.5	14.6	-	-	-	-	-
August 18,1999	Cyclone #2		100.0	99.9	99.6	97.0	87.6	65.9	47.5	33.9	25.0	15.0	13.1	-	-	-	-	-
August 23,1999	Cyclone #2		100.0	99.9	99.7	97.8	90.3	69.6	49.8	34.7	25.4	14.7	12.7	-	-	-	-	-
August30,1999	Cyclone #2		100.0	99.8	99.5	97.9	90.4	70.0	50.6	35.5	25.8	14.7	12.8					
September5,1999	Cyclone #2			100.0	99.8	98.8	93.7	73.5	52.2	37.6	28.7	18.0	16.0					
September12,1999	Cyclone #2				100.0	99.4	94.2	79.6	51.9	38.4	28.2	19.5	16.8					
September19,1999	Cyclone #2		100.0	99.5	99.3	98.7	97.2	89.2	70.0	46.7	32.0	17.6	15.1					
September26,1999	Cyclone #2				100.0	99.5	96.1	81.3	57.7	39.4	28.5	16.1	13.8					
	MEDIAN	#NUM!	100.0	99.7	99.3	97.4	90.4	73.6	51.9	37.5	26.6	16.4	13.7	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.6	98.0	92.9	75.3	52.9	39.4	23.7	22.1	-	-	-	-	-
	MINIMUM	0.0	100.0	98.1	95.6	92.6	82.5	64.9	44.7	28.5	19.3	12.8	10.4	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-2 Summary.xls Sheet: Under Plot Date: 06/10/99 Time Plotted: 2:40 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-2 UNDERFLOW TAILINGS SAMPLES

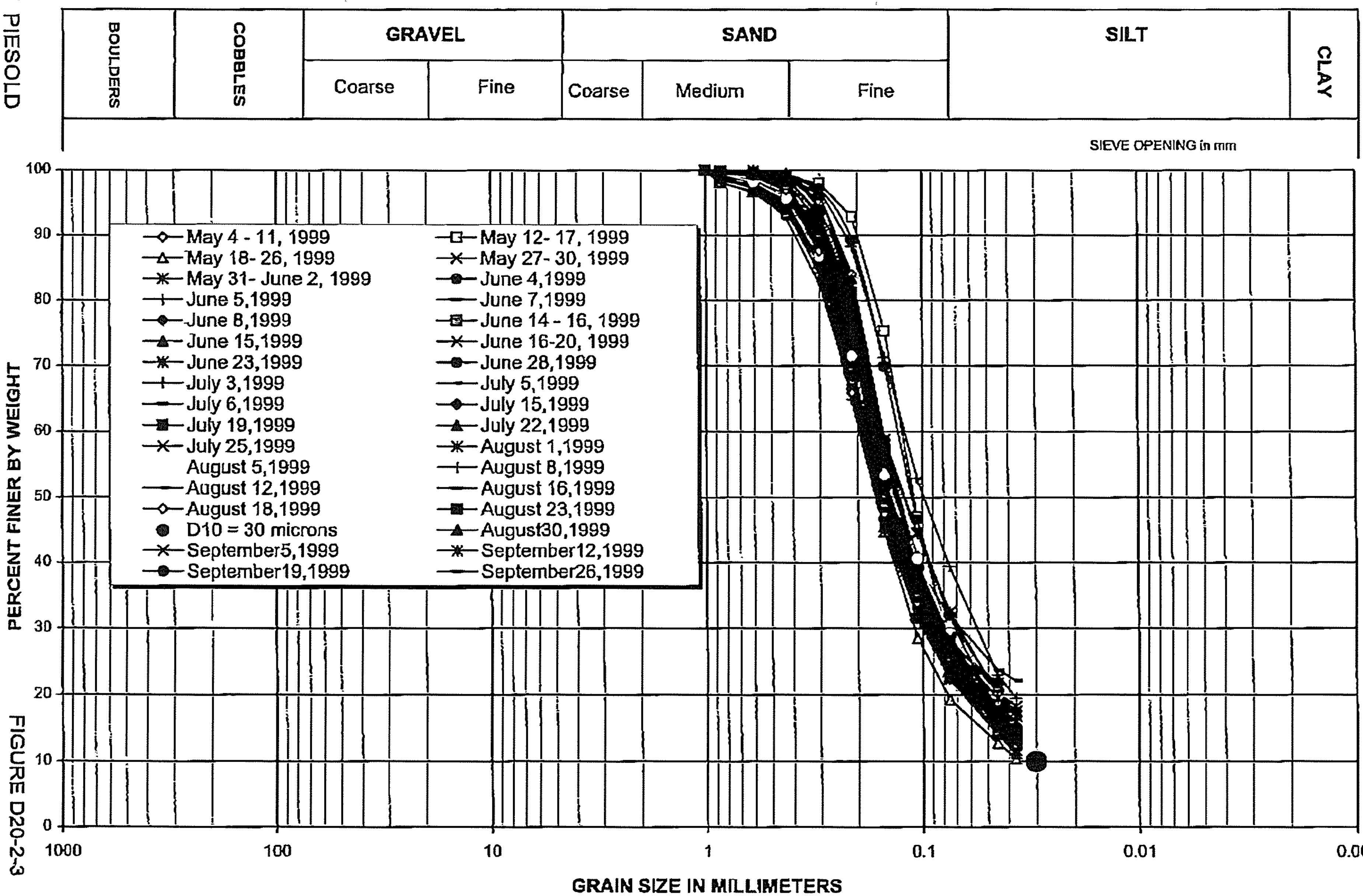


FIGURE D20-2-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

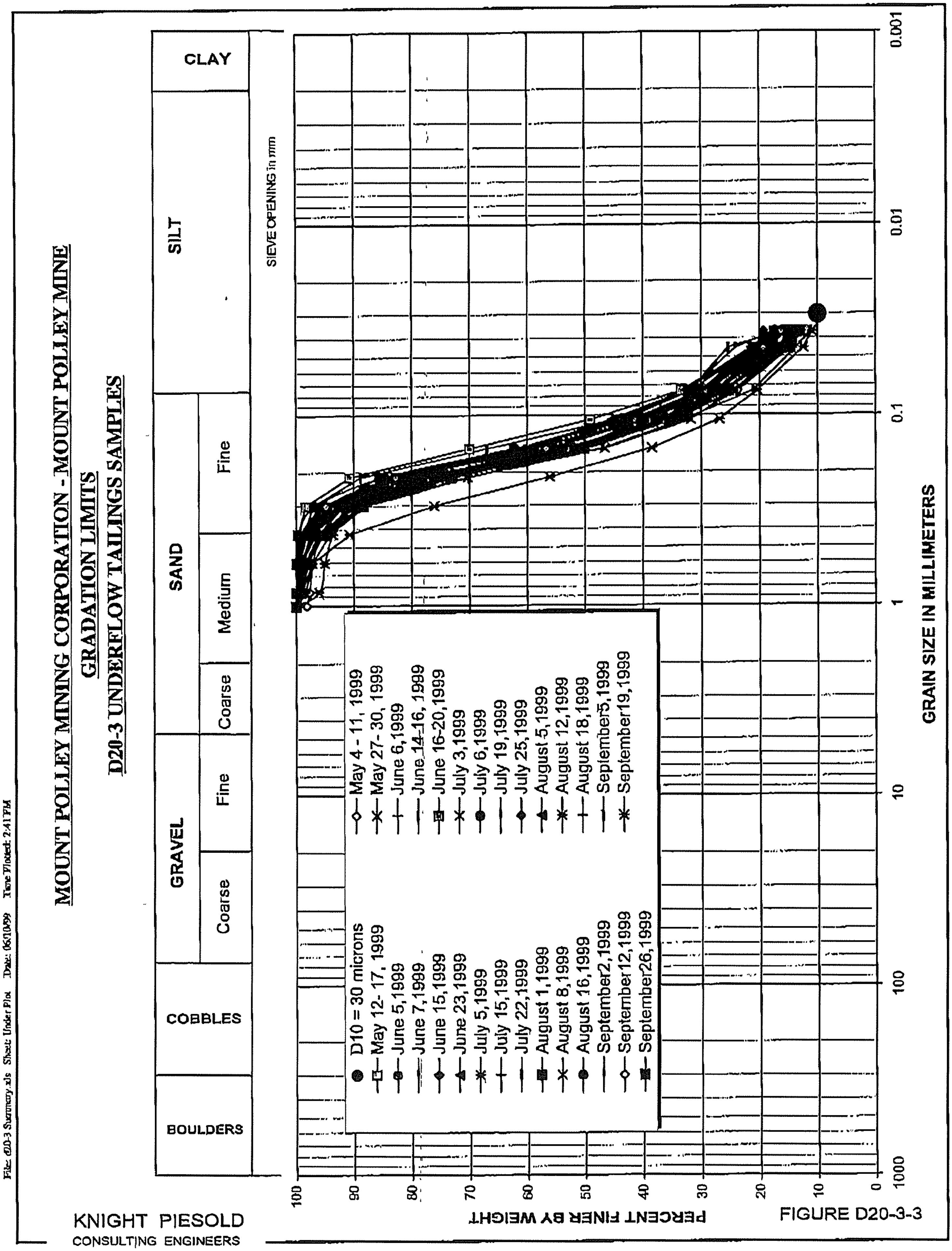
CYCLONE # 3 UNDERFLOW GRADATIONS

INA

Knight Piesold CONSULTING	1999 CONTROL SAMPLE TESTS - SUMMARY SHEET	SHEET :	1 of 1
		PERIOD :	31-Aug-99
PROJECT :	MOUNT POLLEY - CYCLONE TAILINGS ANALYSES	PROJECT #:	11162/10
MATERIAL :	D20-3 UNDERFLOW TAILINGS SAMPLES	AREA :	Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.010	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #3	98.2	98.2	97.65	97.15	95.95	91.95	77.65	52.35	34.95	23.75	14.75	14.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #3	99.9	99.9	99.90	99.90	99.70	98.30	90.70	70.00	49.10	33.40	20.9	16.2	-	-	-	-	-
May 27- 30, 1999	Cyclone #3		100.0	100.0	99.7	98.9	93.5	80.0	51.3	36.4	26.1	14.9	13.1	-	-	-	-	-
June 5,1999	Cyclone #3		100.0	99.6	99.1	97.3	92.0	76.1	53.1	37.3	26.8	18.3	15.5	-	-	-	-	-
June 6,1999	Cyclone #3		100.0	99.9	99.5	98.1	94.4	83.4	59.4	39.5	27.6	18.7	15.7	-	-	-	-	-
June 7,1999	Cyclone #3		100.0	99.8	99.5	98.2	91.9	75.0	46.8	32.9	21.1	13.7	11.1	-	-	-	-	-
June 14-16, 1999	Cyclone #3		100.0	99.8	99.3	96.6	88.1	70.1	49.5	35.2	26.2	15.9	13.9	-	-	-	-	-
June 15,1999	Cyclone #3		100.0	99.5	99.1	97.5	91.5	73.8	51.0	36.7	29.0	20.6	19.4	-	-	-	-	-
June 16-20,1999	Cyclone #3		100.0	99.0	97.9	95.8	90.4	76.8	51.8	36.7	25.8	15.7	13.0	-	-	-	-	-
June 23,1999	Cyclone #3		100.0	99.6	99.3	97.3	93.1	78.1	55.8	39.8	30.1	19.2	17.0	-	-	-	-	-
July 3,1999	Cyclone #3		100.0	99.3	98.5	96.0	88.3	70.3	46.6	31.8	24.2	14.6	12.7	-	-	-	-	-
July 5,1999	Cyclone #3		100.0	99.0	97.1	90.7	76.1	56.1	38.4	26.9	20.4	12.4	11.0	-	-	-	-	-
July 6,1999	Cyclone #3		100.0	99.2	98.8	97.4	93.8	81.8	58.9	38.7	28.0	16.6	14.6	-	-	-	-	-
July 15,1999	Cyclone #3		100.0	98.4	97.1	94.2	88.1	72.9	51.2	36.2	25.6	16.8	14.9	-	-	-	-	-
July 19,1999	Cyclone #3		100.0	99.3	98.9	97.3	93.1	82.0	61.9	44.1	32.2	24.1	17.3	-	-	-	-	-
July 22,1999	Cyclone #3		100.0	99.6	99.4	98.7	97.0	88.9	67.0	44.7	31.9	25.4	15.3	-	-	-	-	-
July 25,1999	Cyclone #3		100.0	99.4	98.7	97.4	94.7	85.7	60.4	43.3	31.7	20.9	16.0	-	-	-	-	-
August 1,1999	Cyclone #3		100.0	99.1	98.2	95.2	88.3	73.1	51.8	39.8	29.9	19.4	17.4	-	-	-	-	-
August 5,1999	Cyclone #3		100.0	99.9	99.7	99.0	95.3	83.8	60.7	45.4	32.8	21.4	16.9	-	-	-	-	-
August 8,1999	Cyclone #3		100.0	99.6	99.1	96.6	89.5	74.0	51.3	34.9	25.9	16.4	13.4	-	-	-	-	-
August 12,1999	Cyclone #3		100.0	99.9	99.8	99.2	95.8	82.3	61.2	41.9	30.0	21.4	15.3	-	-	-	-	-
August 16,1999	Cyclone #3			100.0	99.9	98.5	92.7	75.3	55.6	39.8	29.6	20.5	16.9	-	-	-	-	-
August 18,1999	Cyclone #3			100.0	99.8	98.7	95.1	76.4	51.1	34.2	24.4	15.3	12.8	-	-	-	-	-
September2,1999	Cyclone #3		100.0	99.9	99.7	98.1	92.1	74.8	54.1	37.1	26.4	15.4	13.5					
September5,1999	Cyclone #3		100.0	99.9	99.7	99.0	92.8	76.6	51.6	37.5	25.9	16.2	13.6					
September12,1999	Cyclone #3			100.0	99.9	99.2	94.8	82.7	56.7	41.5	29.2	19.3	16.3					
September19,1999	Cyclone #3		100.0	96.0	95.0	93.6	90.7	79.7	59.4	40.0	28.2	15.8	13.6					
September26,1999	Cyclone #3		100.0	99.9	99.9	99.5	96.8	84.8	62.3	42.4	30.5	17.1	14.5					
	MEDIAN	99.0	100.0	99.6	99.3	97.4	92.7	77.2	53.6	38.1	27.8	16.9	14.7	-	-	-	-	-
	MAXIMUM	99.9	100.0	100.0	99.9	99.7	98.3	90.7	70.0	49.1	33.4	25.4	19.4	-	-	-	-	-
	MINIMUM	98.2	98.2	96.0	95.0	90.7	76.1	56.1	38.4	26.9	20.4	12.4	11.0	-	-	-	-	-

Notes: 1) These are 100% limits.


MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-3 UNDERFLOW TAILINGS SAMPLES
File: d20-3 Summary.xls Sheet: Under Plot Date: 06/10/99 Time Plotted: 2:41 PM
BOULDERS
COBBLES
GRAVEL
Coarse
Fine
SAND
Coarse
Medium
Fine
SILT
CLAY
SIEVE OPENING in mm
D10 = 30 microns
May 12- 17, 1999
June 5,1999
June 7,1999
June 15,1999
June 23,1999
July 5,1999
July 15,1999
July 22,1999
August 1,1999
August 8,1999
August 16,1999
September2,1999
September12,1999
September26,1999
May 4 - 11, 1999
May 27- 30, 1999
June 6,1999
June 14-16, 1999
June 16-20,1999
July 3,1999
July 6,1999
July 19,1999
July 25,1999
August 5,1999
August 12,1999
August 18,1999
September5,1999
September19,1999
PERCENT FINER BY WEIGHT
100
90
80
70
60
50
40
30
20
10
0
1000
100
10
1
0.1
0.01
0.001
GRAIN SIZE IN MILLIMETERS
FIGURE D20-3-3
KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 4 UNDERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-4 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%						
May 4 - 11, 1999	Cyclone #4				100.00	99.70	98.10	89.70	67.10	44.30	28.50	16.10	13.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #4		100.0	98.60	97.80	95.50	88.40	70.20	49.30	34.00	25.20	14.4	12.3	-	-	-	-	-
May 27- 30, 1999	Cyclone #4		100.0	99.7	99.2	97.8	94.0	77.0	52.6	34.2	23.0	15.1	12.4	-	-	-	-	-
May 31- June 2, 1999	Cyclone #4		100.0	99.9	99.7	98.9	95.5	84.7	62.5	39.5	24.2	13.5	9.5	-	-	-	-	-
June 6,1999	Cyclone #4		100.0	98.7	97.6	94.7	90.5	77.7	53.6	35.4	23.8	15.1	12.2	-	-	-	-	-
June 8,1999	Cyclone #4		100.0	99.9	99.8	99.4	96.4	84.7	52.7	38.6	24.2	15.6	12.2	-	-	-	-	-
June 15,1999	Cyclone #4			100.0	99.9	99.2	95.3	80.2	52.4	33.2	23.8	14.4	13.0	-	-	-	-	-
June 16-20, 1999	Cyclone #4		100.0	99.7	99.2	98.0	94.4	83.4	55.8	40.4	28.9	17.5	14.9	-	-	-	-	-
June 23,1999	Cyclone #4		100.0	98.8	98.3	96.5	92.0	74.3	46.9	34.0	23.9	15.5	12.7	-	-	-	-	-
July 3,1999	Cyclone #4		100.0	98.8	98.1	96.6	93.2	82.8	58.0	37.4	26.7	14.9	12.8	-	-	-	-	-
July 5,1999	Cyclone #4		100.0	99.9	99.6	97.6	89.8	71.3	48.5	32.1	22.8	12.6	10.6	-	-	-	-	-
July 6,1999	Cyclone #4		100.0	99.8	99.6	98.4	93.9	78.6	54.0	36.3	26.0	14.5	12.6	-	-	-	-	-
July 8-11, 1999	Cyclone #4		100.0	99.5	99.0	96.9	91.5	75.7	50.4	32.9	23.2	12.9	11.8	-	-	-	-	-
July 15,1999	Cyclone #4		100.0	99.9	99.4	96.3	89.3	73.7	52.7	38.8	28.4	19.3	17.4	-	-	-	-	-
July 19,1999	Cyclone #4		100.0	96.3	95.8	94.8	92.2	72.4	51.8	38.5	29.3	27.4	15.8	-	-	-	-	-
July 22,1999	Cyclone #4		100.0	99.8	99.5	98.7	96.0	84.5	60.5	41.6	30.2	21.9	13.9	-	-	-	-	-
July 25,1999	Cyclone #4		100.0	99.6	99.3	98.6	96.7	87.4	62.1	44.7	30.2	16.0	13.6	-	-	-	-	-
August 1,1999	Cyclone #4		100.0	99.6	99.1	97.1	92.0	79.3	57.0	44.3	32.6	19.8	17.3	-	-	-	-	-
August 5,1999	Cyclone #4		100.0	99.5	98.7	97.4	94.8	87.4	66.6	51.0	35.8	22.7	18.3	-	-	-	-	-
August16,1999	Cyclone #4			100.0	99.8	98.6	92.6	74.2	54.8	39.2	28.5	18.1	14.6	-	-	-	-	-
August18,1999	Cyclone #4		100.0	99.9	99.7	98.3	91.6	70.7	49.8	34.6	25.2	14.9	13.0	-	-	-	-	-
August 23,1999	Cyclone #4		100.0	99.8	99.7	98.4	91.6	71.2	50.5	35.8	26.9	17.1	15.3	-	-	-	-	-
September 26,1999	Cyclone #4		100.0	99.9	99.8	99.3	95.7	81.6	60.8	42.3	30.5	16.6	14.2					
	MEDIAN	#NUM!	100.0	99.7	99.4	98.0	93.2	78.6	53.6	38.5	26.7	15.6	13.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.7	98.1	89.7	67.1	51.0	35.8	27.4	18.3	-	-	-	-	-
	MINIMUM	0.0	100.0	96.3	95.8	94.7	88.4	70.2	46.9	32.1	22.8	12.6	9.5	-	-	-	-	-

Notes: 1) These are 100% fines.

File: d20-4 Summary.xls Sheet: Under Plot Date: 06/10/99 Time Plotted: 2:42 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-4 UNDERFLOW TAILINGS SAMPLES

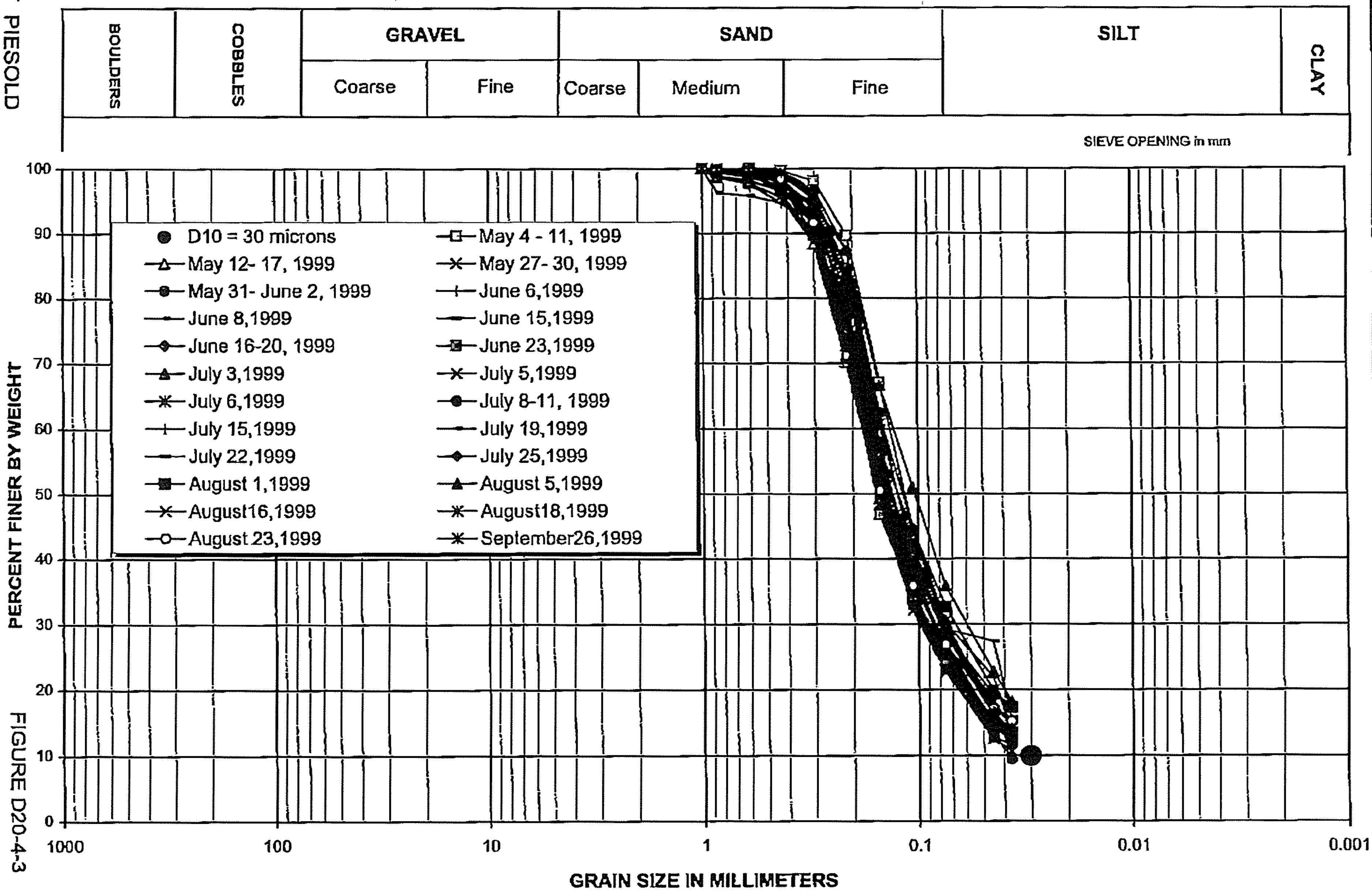


FIGURE D20-4-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 5 UNDERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-5 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #5		100.0	99.93	99.68	98.70	94.85	83.58	56.80	41.20	27.53	15.53	13.05	-	-	-	-	-
June 23,1999	Cyclone #5		100.0	99.78	99.15	97.43	93.93	80.50	56.68	43.15	31.60	21.1	17.9	-	-	-	-	-
June28,1999	Cyclone #5		100.0	99.93	99.70	98.35	92.08	74.25	51.90	34.75	24.95	14.3	12.4	-	-	-	-	-
July 3,1999	Cyclone #5		100.0	99.95	99.80	98.95	95.90	85.35	62.10	40.58	28.75	15.7	13.3	-	-	-	-	-
July 5,1999	Cyclone #5		100.0	99.13	98.65	96.90	91.38	76.50	53.83	36.03	25.63	14.1	12.1	-	-	-	-	-
July 6,1999	Cyclone #5		100.0	99.88	99.43	97.30	91.70	76.70	56.80	41.50	31.35	20.1	18.1	-	-	-	-	-
July 8-11, 1999	Cyclone #5		100.0	99.75	99.40	96.65	88.48	68.83	46.55	32.38	23.40	13.63	12.70	-	-	-	-	-
July 15,1999	Cyclone #5		100.0	99.98	99.83	98.33	92.23	74.48	52.83	38.03	27.08	18.1	16.1	-	-	-	-	-
July 22,1999	Cyclone #5		100.0	99.88	99.60	98.58	95.08	81.15	56.03	38.20	28.08	23.6	14.0	-	-	-	-	-
July 25,1999	Cyclone #5		100.0	99.95	99.80	99.18	96.05	83.98	61.08	44.05	33.55	23.0	18.2	-	-	-	-	-
July 29,1999	Cyclone #5		100.0	99.99	99.94	99.18	95.02	81.29	59.80	41.90	32.17	21.6	19.9	-	-	-	-	-
August 1,1999	Cyclone #5		100.0	99.98	99.92	98.83	94.45	81.63	61.07	48.92	36.25	22.7	20.2	-	-	-	-	-
August 8,1999	Cyclone #5		100.0	99.88	99.60	97.78	88.88	69.95	49.03	33.75	24.83	15.4	12.6	-	-	-	-	-
August 16,1999	Cyclone #5				100.0	99.8	96.7	80.7	58.1	39.4	27.9	19.2	14.0	-	-	-	-	-
August 18,1999	Cyclone #5			100.0	99.8	97.8	93.8	76.7	57.6	40.0	29.2	18.8	15.8	-	-	-	-	-
August 23,1999	Cyclone #5		100.0	99.9	99.7	97.0	86.7	65.0	46.7	32.0	22.8	12.3	10.5	-	-	-	-	-
August30,1999	Cyclone #5			100.0	99.8	98.3	90.9	72.0	50.2	35.8	27.1	18.4	15.5					
September5,1999	Cyclone #5		100.0	99.9	99.7	97.6	89.3	70.8	52.6	38.4	29.0	18.3	16.4					
September26,1999	Cyclone #5		100.0	99.6	99.2	98.1	94.9	82.3	59.4	39.7	28.3	15.7	13.3					
	MEDIAN	#NUM!	100.0	99.9	99.7	98.3	93.8	76.7	56.7	39.4	28.1	18.3	14.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.8	96.7	85.4	62.1	48.9	36.3	23.6	20.2	-	-	-	-	-
	MINIMUM	0.0	100.0	99.1	98.7	96.7	86.7	65.0	46.6	32.0	22.8	12.3	10.5	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-5 Summary.xls Sheet: Under Plot Date: 06/10/99 Time Plotted: 2:43 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-5 UNDERFLOW TAILINGS SAMPLES

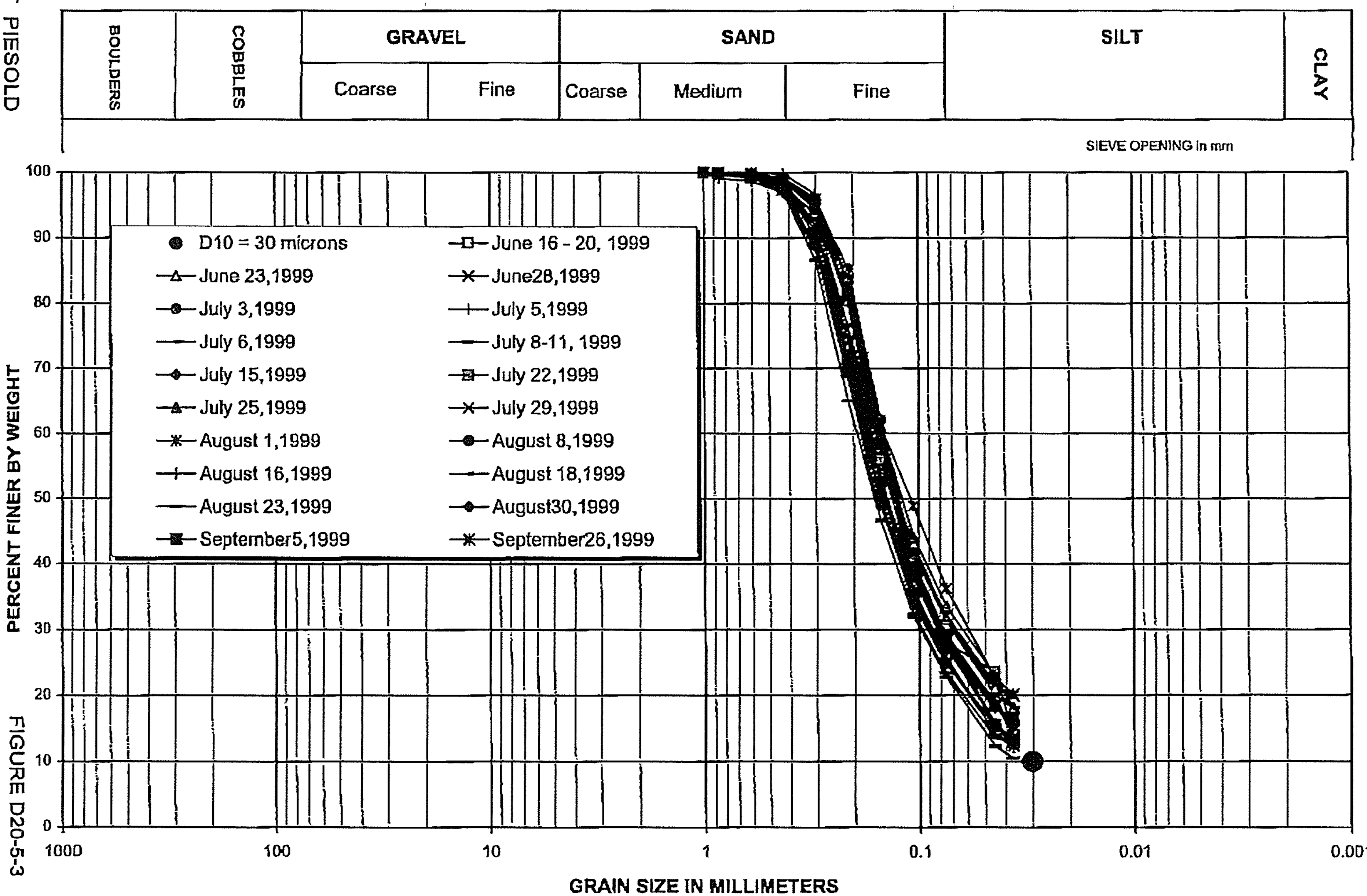


FIGURE D20-5-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 6 UNDERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-6 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
June 16 - 20, 1999	Cyclone #6		100.0	99.95	99.80	99.40	96.63	85.15	55.75	39.90	27.65	16.00	12.63	-	-	-	-	-
June 23,1999	Cyclone #6		100.0	99.95	99.88	99.70	98.38	90.33	68.33	45.35	31.73	17.4	14.5	-	-	-	-	-
June 28,1999	Cyclone #6		100.0	99.95	99.70	98.30	92.93	78.58	56.25	37.78	27.65	16.2	14.1	-	-	-	-	-
July 3,1999	Cyclone #6			100.00	99.98	99.88	98.90	93.35	74.25	48.00	31.93	16.7	14.0	-	-	-	-	-
July 5,1999	Cyclone #6		100.0	99.98	99.88	99.30	95.25	80.10	55.20	37.48	27.50	15.8	13.8	-	-	-	-	-
July 6,1999	Cyclone #6		100.0	99.95	99.93	99.75	98.33	90.23	68.55	44.43	31.03	17.1	14.6	-	-	-	-	-
July 8-11, 1999	Cyclone #6		100.0	99.93	99.75	98.95	96.65	84.43	61.55	40.78	28.15	19.2	14.1	-	-	-	-	-
July 15,1999	Cyclone #6		100.0	99.98	99.95	99.78	98.20	88.53	62.95	42.63	29.33	19.0	16.5	-	-	-	-	-
July 19,1999	Cyclone #6			100.00	99.95	99.65	98.00	87.83	65.30	45.55	32.73	24.3	17.7	-	-	-	-	-
July 22,1999	Cyclone #6				100.00	99.88	98.85	91.65	68.98	46.10	32.80	20.6	14.9	-	-	-	-	-
July 25,1999	Cyclone #6		100.0	99.88	99.70	99.00	96.25	87.15	63.60	48.65	37.88	26.3	22.4	-	-	-	-	-
August 1,1999	Cyclone #6		100.0	99.90	99.57	97.30	90.72	73.93	51.68	39.77	29.48	18.7	16.5	-	-	-	-	-
August 5,1999	Cyclone #6		100.0	99.9	99.4	98.8	97.9	83.5	66.3	49.6	37.0	22.9	18.3	-	-	-	-	-
August 8,1999	Cyclone #6		100.0	99.9	99.6	97.2	89.0	71.0	48.2	32.8	24.1	15.6	12.9	-	-	-	-	-
August 12,1999	Cyclone #6			100.0	99.9	99.2	94.2	77.2	55.4	38.4	28.0	21.9	15.1	-	-	-	-	-
August 16,1999	Cyclone #6			100.0	99.9	99.2	93.9	76.7	58.0	42.5	31.4	21.7	17.0	-	-	-	-	-
August 23,1999	Cyclone #6		100.0	100.0	100.0	99.9	97.7	85.7	62.8	42.4	30.8	17.9	15.6	-	-	-	-	-
August30,1999	Cyclone #6			100.0	99.9	98.9	94.1	77.6	53.5	36.8	26.9	17.1	13.5					
September2,1999	Cyclone #6			100.0	99.9	98.7	92.3	72.0	51.2	36.3	27.4	18.3	16.7					
September5,1999	Cyclone #6				100.0	99.8	96.6	84.2	56.4	40.5	28.5	18.7	16.0					
September26,1999	Cyclone #6		100.0	99.9	99.8	98.9	94.4	78.8	57.4	40.3	30.1	18.3	16.1					
	MEDIAN	#NUM!	100.0	100.0	99.9	99.2	96.6	84.2	58.0	40.8	29.5	18.3	15.1	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.9	98.9	93.4	74.3	49.6	37.9	26.3	22.4	-	-	-	-	-
	MINIMUM	0.0	100.0	99.9	99.4	97.2	89.0	71.0	48.2	32.8	24.1	15.6	12.6	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-6 Summary.xls Sheet: Under Plot Date: 06/10/99 Time Plotted: 2:43 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-6 UNDERFLOW TAILINGS SAMPLES

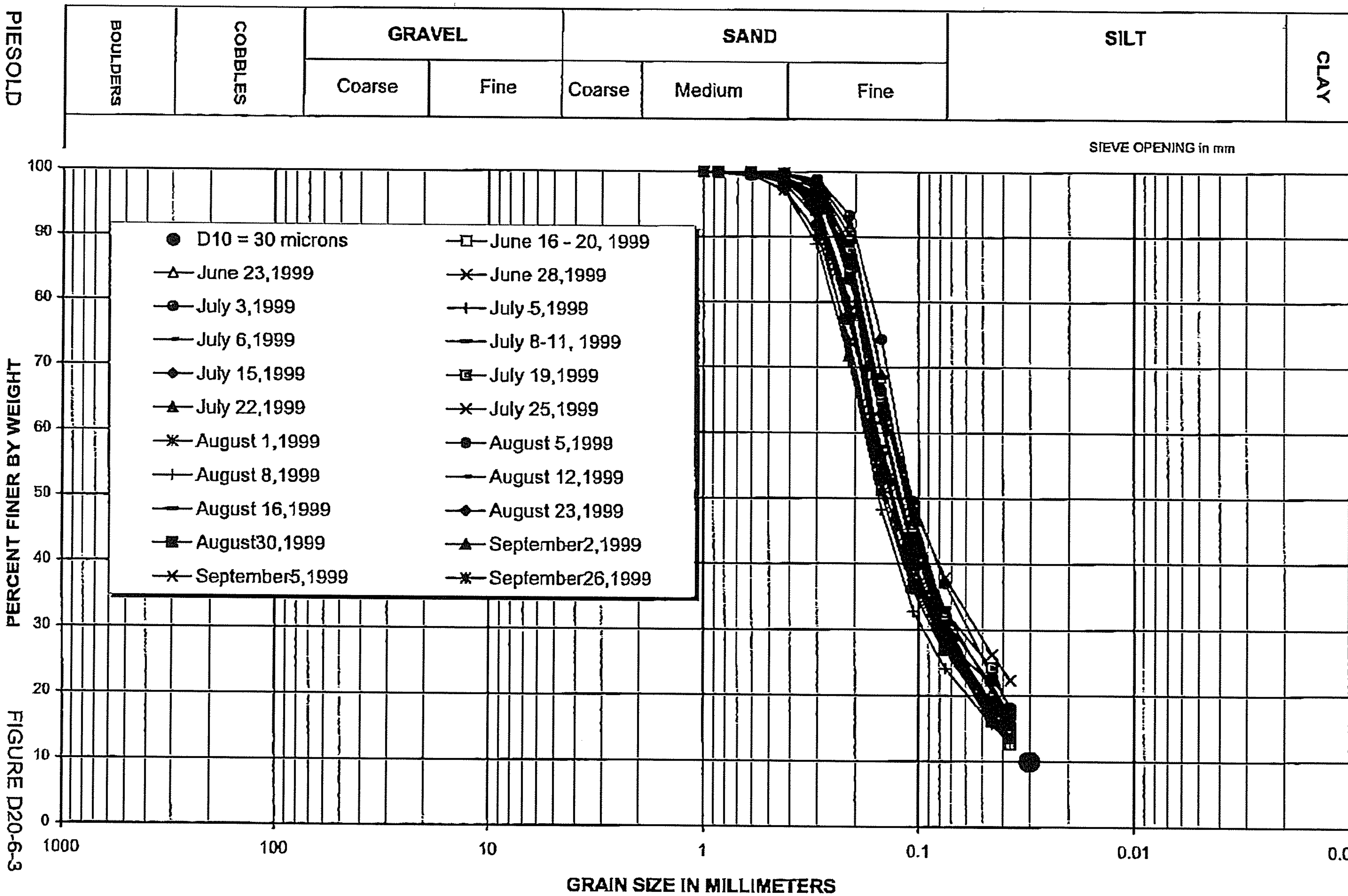


FIGURE D20-6-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 1 OVERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-1 OVERFLOW TAILINGS SAMPLES

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 1T162/10
AREA : Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #1					100.00	99.70	97.60	91.60	83.00	74.20	64.20	61.30	-	-	-	-	-
May 12 - 17, 1999	Cyclone #1		99.9	95.70	95.10	93.20	89.00	77.90	65.80	52.80	44.00	32.0	29.4	-	-	-	-	-
May 27 - 30, 1999	Cyclone #1			100.0	100.0	99.9	99.9	99.3	96.7	89.4	77.6	63.7	56.8	-	-	-	-	-
June16-20, 1999	Cyclone #1				100.0	99.9	99.7	98.7	93.8	84.1	73.0	56.9	50.9	-	-	-	-	-
June23,1999	Cyclone #1		100.0	99.9	99.7	99.1	98.5	96.2	90.1	82.3	73.3	62.1	57.9	-	-	-	-	-
July3,1999	Cyclone #1						100.0	99.6	96.3	87.8	76.8	58.4	53.4	-	-	-	-	-
July6,1999	Cyclone #1		100.0	99.8	99.8	99.7	99.6	98.9	95.4	85.9	73.4	52.6	47.4	-	-	-	-	-
July8-11, 1999	Cyclone #1		100.0	99.8	99.5	99.5	99.2	97.3	90.8	79.2	67.3	48.1	44.7	-	-	-	-	-
July15,1999	Cyclone #1		100.0	99.9	99.8	99.7	99.0	95.5	86.9	75.4	62.6	48.9	45.2	-	-	-	-	-
September2,1999	Cyclone #1					100.0	99.6	97.0	89.6	77.2	64.8	46.2	41.8					
September26,1999	Cyclone #1					100.0	99.8	97.8	91.9	80.9	68.2	47.0	42.0					
	MEDIAN		100.0	99.8	99.8	99.8	99.6	97.6	91.6	82.3	73.0	52.6	47.4	-	-	-	-	-
	MAXIMUM		100.0	100.0	100.0	100.0	100.0	99.6	96.7	89.4	77.6	64.2	61.3	-	-	-	-	-
	MINIMUM		99.9	95.7	95.1	93.2	89.0	77.9	65.8	52.8	44.0	32.0	29.4	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-1 Summary.xls Sheet: OVER PLOT Date: 06/10/99 Time Plotted: 2:39 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-1 OVERFLOW TAILINGS SAMPLES

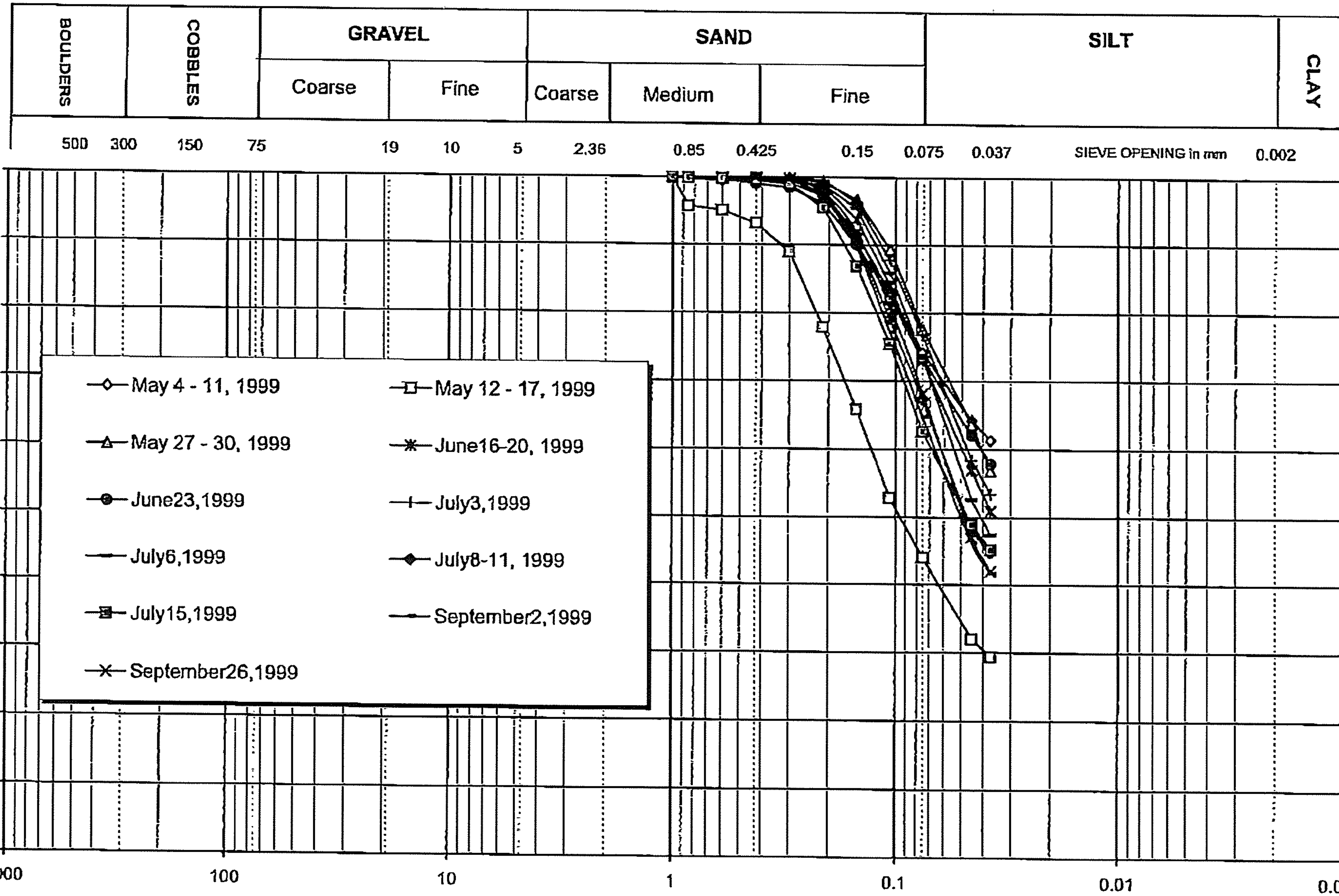


FIGURE D20-1-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 2 OVERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

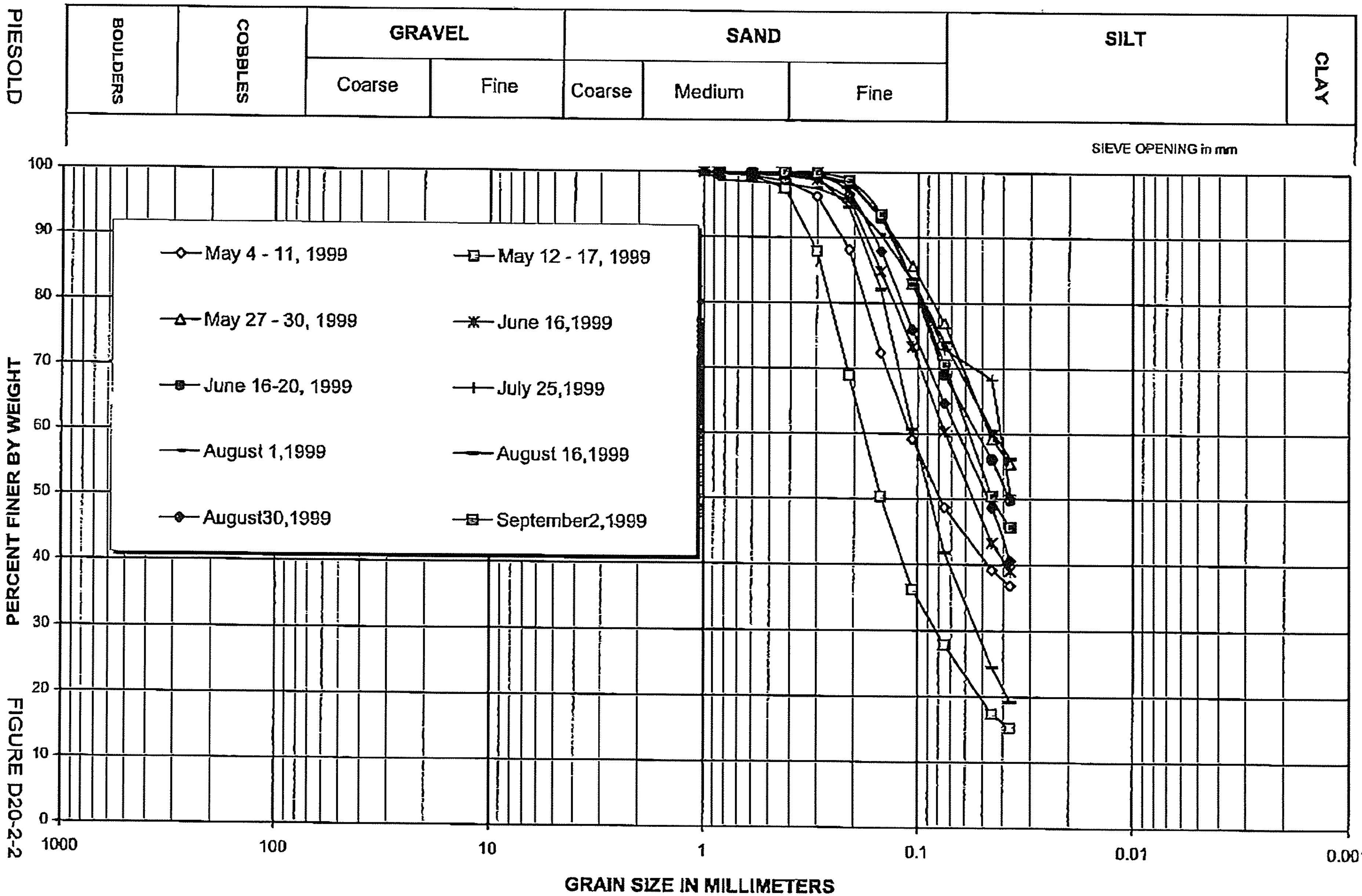
PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-2 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #2		100.0	99.80	99.50	98.70	96.30	88.20	72.40	59.10	48.70	39.20	36.80	-	-	-	-	-
May 12 - 17, 1999	Cyclone #2			100.00	99.50	97.50	87.90	68.90	50.30	36.20	27.90	17.4	15.3	-	-	-	-	-
May 27 - 30, 1999	Cyclone #2			100.0	99.9	99.8	99.6	98.3	93.1	85.7	77.0	59.1	55.4	-	-	-	-	-
June 16,1999	Cyclone #2		100.0	99.9	99.7	99.5	98.9	96.0	84.9	73.4	60.3	43.3	39.0	-	-	-	-	-
June 16-20, 1999	Cyclone #2				100.0	99.9	99.6	98.5	93.3	83.3	69.0	56.0	49.8	-	-	-	-	-
July 25,1999	Cyclone #2				100.0	99.9	99.4	98.2	93.3	83.1	73.0	68.3	50.6	-	-	-	-	-
August 1,1999	Cyclone #2		100.0	98.8	98.6	98.2	97.5	95.7	90.5	83.5	74.0	60.4	56.1	-	-	-	-	-
August 16,1999	Cyclone #2		100.0	99.9	99.9	99.8	99.2	94.7	82.1	60.7	41.8	24.5	19.2	-	-	-	-	-
August30,1999	Cyclone #2					100.0	99.8	96.7	87.9	75.9	64.7	48.7	40.6					
September2,1999	Cyclone #2					100.0	99.9	98.7	93.6	82.9	70.6	50.4	45.7					
	MEDIAN	#NUM!	100.0	99.9	99.8	99.8	99.3	96.3	89.2	79.4	66.9	49.5	43.1	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	99.9	98.7	93.6	85.7	77.0	68.3	56.1	-	-	-	-	-
	MINIMUM	0.0	100.0	98.8	98.6	97.5	87.9	68.9	50.3	36.2	27.9	17.4	15.3	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-2 Summary.xls Sheet: OVER PLOT Date: 06/10/99 Time Plotted: 2:40 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-2 OVERFLOW TAILINGS SAMPLES



KNIGHT PIESOLD
CONSULTING ENGINEERS

FIGURE D20-2-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 3 OVERFLOW GRADATIONS

JN/A

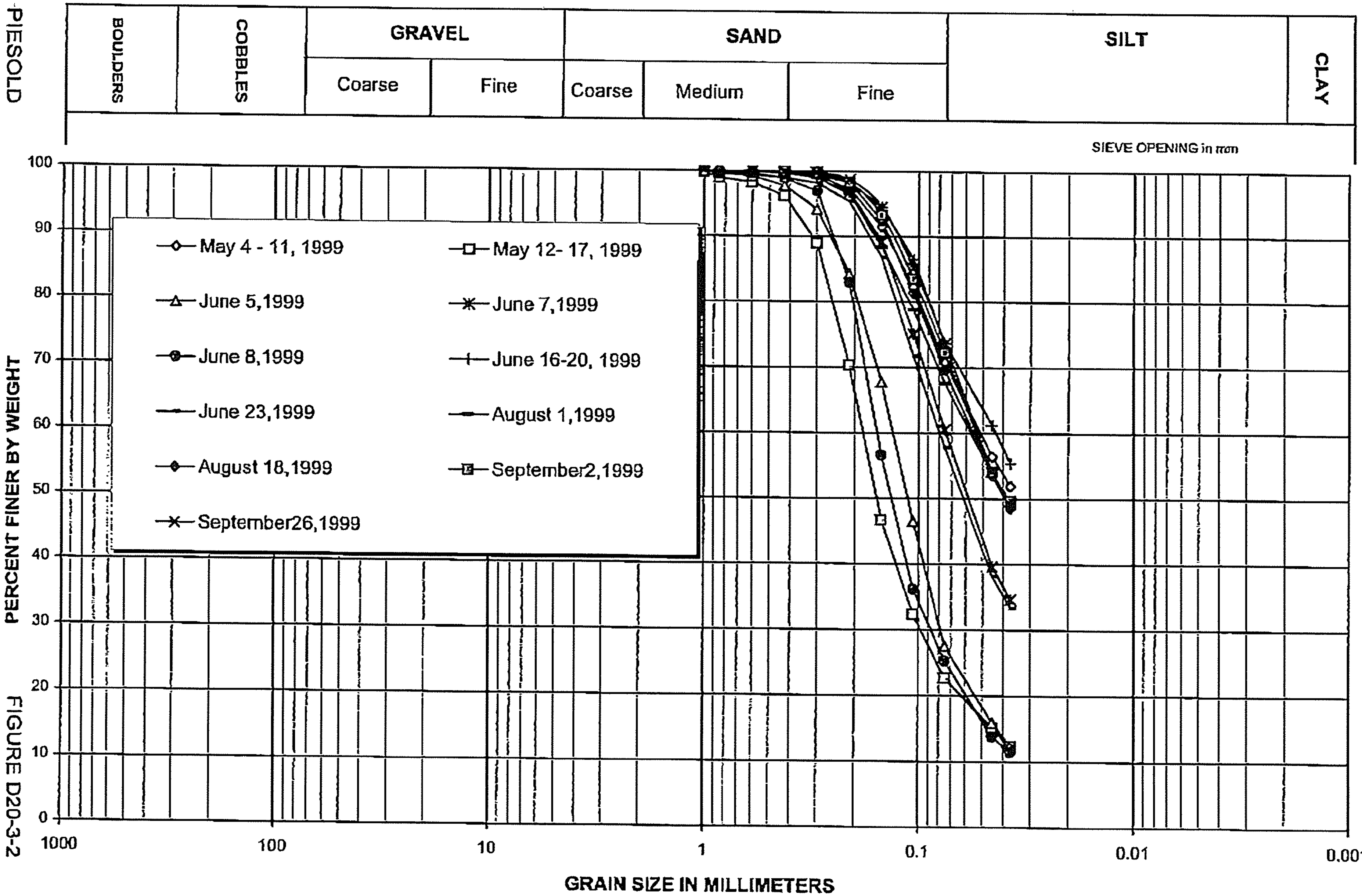
Knight Piesold CONSULTING	1999 CONTROL SAMPLE TESTS - SUMMARY SHEET		
PROJECT :	MOUNT POLLEY - CYCLONE TAILINGS ANALYSES	SHEET :	1 of 1
MATERIAL :	D20-3 OVERFLOW TAILINGS SAMPLES	PERIOD :	31-Aug-99
		PROJECT #:	11162/10
		AREA :	Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
May 4 - 11, 1999	Cyclone #3				100.00	99.90	99.40	97.30	91.60	82.30	70.80	56.40	51.90	-	-	-	-	-
May 12- 17, 1999	Cyclone #3	99.8	99.8	99.00	98.30	96.20	89.00	70.30	46.70	32.30	22.70	15.20	12.40	-	-	-	-	-
June 5,1999	Cyclone #3		100.0	99.7	99.3	97.8	94.2	84.3	67.8	46.5	27.5	16.0	12.4	-	-	-	-	-
June 7,1999	Cyclone #3				100.0	99.8	99.8	96.8	89.2	75.2	60.5	39.6	34.6	-	-	-	-	-
June 8,1999	Cyclone #3			100.0	99.8	98.9	97.0	83.0	56.6	36.2	25.3	13.8	11.5	-	-	-	-	-
June 16-20, 1999	Cyclone #3				100.0	99.9	99.5	98.3	94.6	86.5	73.7	61.2	55.4	-	-	-	-	-
June 23,1999	Cyclone #3		100.0	99.7	99.4	99.0	98.2	95.4	86.8	71.7	57.9	38.2	33.3	-	-	-	-	-
August 1,1999	Cyclone #3			100.0	99.9	99.8	99.1	96.6	88.4	78.9	67.6	53.8	48.8	-	-	-	-	-
August 18,1999	Cyclone #3						100.0	98.3	92.5	81.4	69.7	53.6	48.6	-	-	-	-	-
September2,1999	Cyclone #3					100.0	99.8	98.3	93.4	83.6	72.3	54.1	49.6					
September26,1999	Cyclone #3					100.0	99.9	98.7	94.6	85.3	73.7	54.2	49.2					
	MEDIAN	99.8	100.0	99.7	99.8	99.8	99.4	96.8	89.2	78.9	67.6	53.6	48.6	-	-	-	-	-
	MAXIMUM	99.8	100.0	100.0	100.0	100.0	100.0	98.7	94.6	86.5	73.7	61.2	55.4	-	-	-	-	-
	MINIMUM	99.8	99.8	99.0	98.3	96.2	89.0	70.3	46.7	32.3	22.7	13.8	11.5	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-3 Summary.xls Sheet: OVER PLOT Date: 06/10/99 Time Plotted: 2:41 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-3 OVERFLOW TAILINGS SAMPLES



KNIGHT PIESOLD
CONSULTING ENGINEERS

FIGURE D20-3-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 4 OVERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

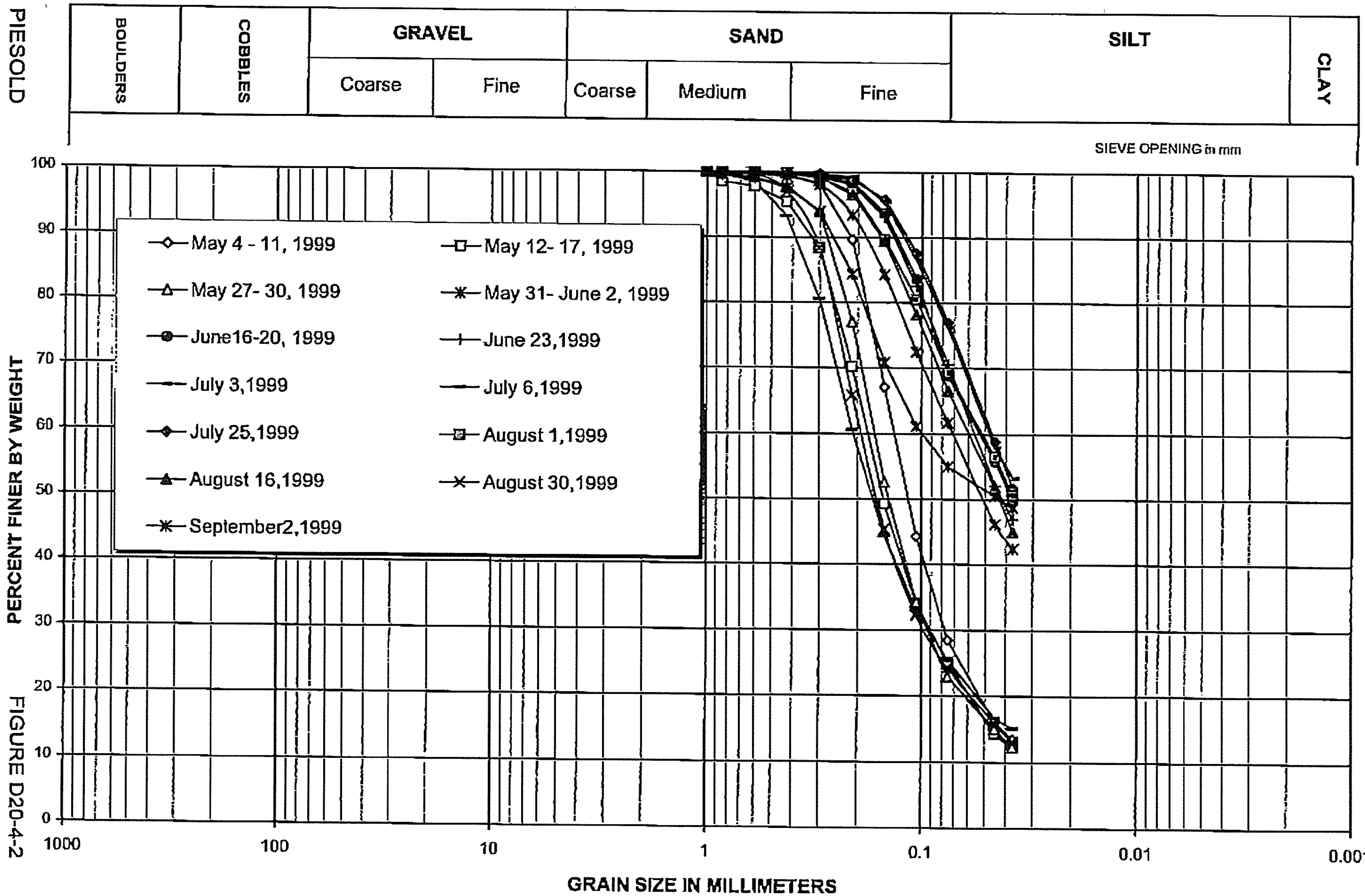
PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-4 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #4			100.00	100.00	99.70	98.10	89.70	67.10	44.30	28.50	16.10	13.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #4		100.0	98.60	97.80	95.50	88.40	70.20	49.30	34.00	25.20	14.40	12.30	-	-	-	-	-
May 27- 30, 1999	Cyclone #4		100.0	99.7	99.2	97.8	94.0	77.0	52.6	34.2	23.0	15.1	12.4	-	-	-	-	-
May 31- June 2, 1999	Cyclone #4		100.0	99.5	99.1	97.6	94.0	84.4	70.8	61.1	55.0	50.5	48.7	-	-	-	-	-
June16-20, 1999	Cyclone #4				100.0	99.8	99.6	98.4	93.7	83.7	68.9	55.8	49.9	-	-	-	-	-
June 23,1999	Cyclone #4			100.0	99.8	99.6	99.3	98.1	93.2	82.5	70.5	52.1	46.9	-	-	-	-	-
July 3,1999	Cyclone #4				100.0	99.9	99.8	99.3	95.4	86.6	76.2	57.9	53.2	-	-	-	-	-
July 6,1999	Cyclone #4		100.0	99.7	98.6	93.3	80.6	60.6	44.4	33.1	25.5	16.7	15.2	-	-	-	-	-
July 25,1999	Cyclone #4		100.0	99.9	99.9	99.8	99.7	98.9	95.8	87.6	76.9	58.8	51.7	-	-	-	-	-
August 1,1999	Cyclone #4			100.0	99.9	99.8	99.2	97.0	89.7	80.5	69.3	56.5	50.7	-	-	-	-	-
August 16,1999	Cyclone #4		100.0	99.9	99.9	99.8	99.3	96.5	89.5	78.2	66.6	51.8	45.0	-	-	-	-	-
August 30,1999	Cyclone #4		100.0	99.9	99.7	97.0	88.4	65.9	45.4	32.3	24.3	16.1	13.2					
September2,1999	Cyclone #4		100.0	99.8	99.7	99.3	98.1	93.5	84.3	72.5	61.7	46.2	42.4					
	MEDIAN	#NUM!	100.0	99.9	99.8	99.6	98.1	93.5	84.3	72.5	61.7	50.5	45.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.9	99.8	99.3	95.8	87.6	76.9	58.8	53.2	-	-	-	-	-
	MINIMUM	0.0	100.0	98.6	97.8	93.3	80.6	60.6	44.4	32.3	23.0	14.4	12.3	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-4 Summary.xls Sheet: OVER PLOT Date: 06/10/99 Time Plotted: 2:42 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-4 OVERFLOW TAILINGS SAMPLES



KNIGHT PIESOLD
CONSULTING ENGINEERS

FIGURE D20-4-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 5 OVERFLOW GRADATIONS

#N/A

Knight Piesold
CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-5 OVERFLOW TAILINGS SAMPLES

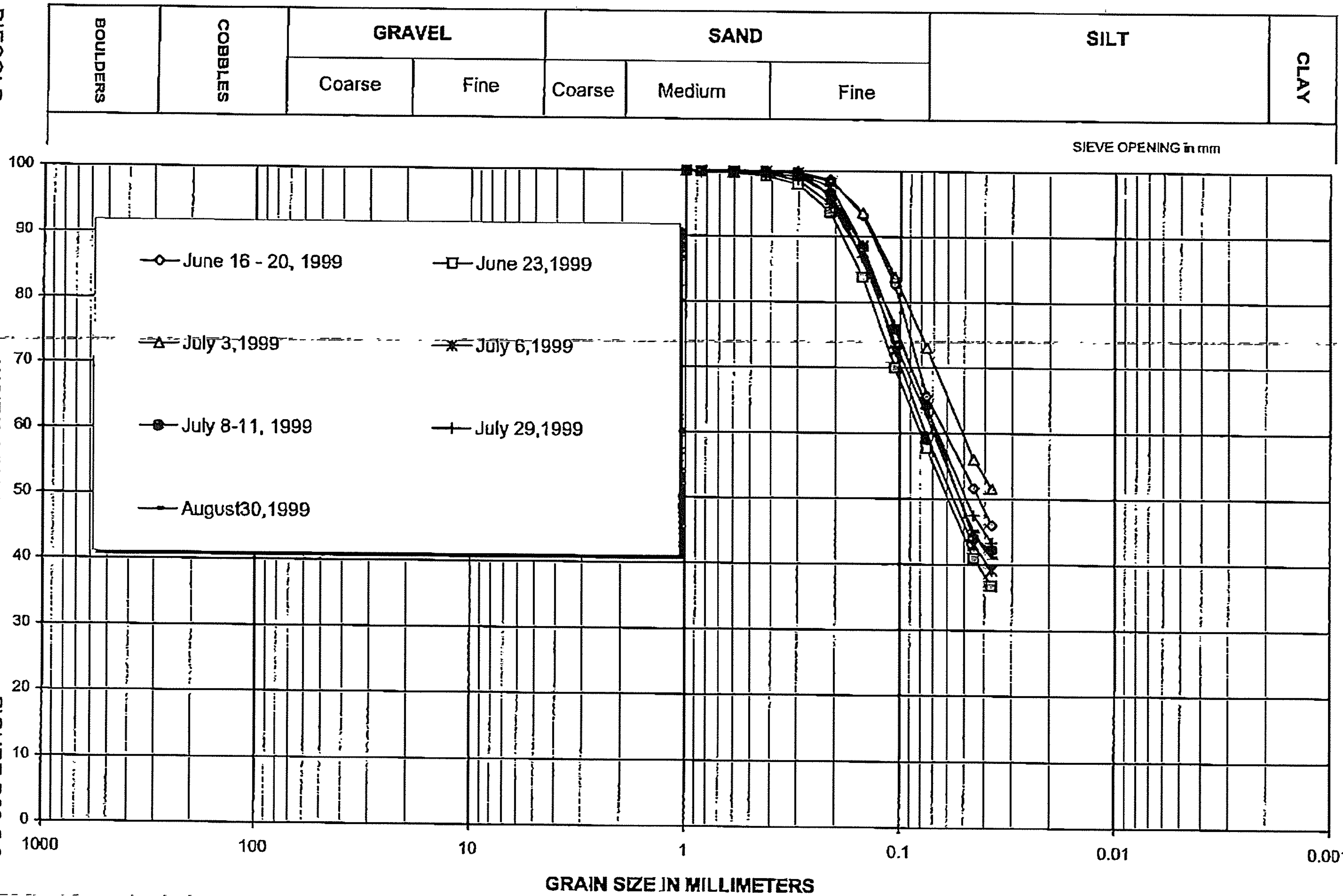
SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #5					100.00	99.88	98.68	93.30	82.75	65.63	51.65	46.00	-	-	-	-	-
June 23,1999	Cyclone #5			100.00	99.70	99.28	97.98	93.70	83.88	70.00	57.68	40.98	36.75	-	-	-	-	-
July 3,1999	Cyclone #5		100.0	99.98	99.95	99.90	99.65	98.48	93.63	83.90	73.08	56.03	51.55	-	-	-	-	-
July 6,1999	Cyclone #5		100.0	99.95	99.90	99.85	99.70	97.58	88.60	72.58	59.50	42.93	39.13	-	-	-	-	-
July 8-11, 1999	Cyclone #5		100.0	99.95	99.85	99.68	99.18	96.38	88.40	75.85	64.25	44.00	42.20	-	-	-	-	-
July 29,1999	Cyclone #5		100.0	99.78	99.76	99.59	98.64	94.94	86.93	76.50	63.75	47.50	43.25	-	-	-	-	-
August30,1999	Cyclone #5				100.00	99.95	99.43	95.63	86.38	73.90	62.60	45.10	41.05					
	MEDIAN	#NUM!	100.0	100.0	99.9	99.9	99.4	96.4	88.4	75.9	63.8	45.1	42.2	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	99.9	98.7	93.6	83.9	73.1	56.0	51.6	-	-	-	-	-
	MINIMUM	0.0	100.0	99.8	99.7	99.3	98.0	93.7	83.9	70.0	57.7	41.0	36.8	-	-	-	-	-

Notes: 1) These are 100% fines.

File: d20-5 Summary.xls Sheet: OVER.PLOT Date: 06/10/99 Time Plotted: 2:42 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-5 OVERFLOW TAILINGS SAMPLES



KNIGHT PIESOLD
CONSULTING ENGINEERS

FIGURE D20-5-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 6 OVERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-6 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #6				100.00	99.93	99.35	97.00	90.00	78.33	61.95	47.98	42.35	-	-	-	-	-
June 23,1999	Cyclone #6		100.0	99.80	99.13	98.53	97.75	96.68	93.58	85.60	74.73	56.13	50.88	-	-	-	-	-
June 28,1999	Cyclone #6					100.00	99.98	99.10	93.30	80.55	66.73	44.10	38.15	-	-	-	-	-
July 6,1999	Cyclone #6					100.00	99.90	99.58	97.98	91.80	81.38	62.28	57.63	-	-	-	-	-
July 25,1999	Cyclone #6		100.0	96.15	95.83	95.30	94.63	93.15	89.35	80.70	71.05	58.45	48.88	-	-	-	-	-
August 1,1999	Cyclone #6		100.0	99.98	99.97	99.90	99.38	97.17	89.93	80.23	67.80	53.15	45.00	-	-	-	-	-
August 5,1999	Cyclone #6		100.0	99.90	99.85	99.68	99.63	96.80	91.85	83.38	73.20	61.65	49.85	-	-	-	-	-
August 16,1999	Cyclone #6			100.00	99.98	99.95	99.73	98.08	93.13	82.33	69.70	53.63	44.98	-	-	-	-	-
August30,1999	Cyclone #6		100.0	99.98	99.95	99.90	99.53	96.45	87.28	73.40	60.15	39.53	34.78					
September2,1999	Cyclone #6		100.0	99.63	99.23	96.45	87.58	66.13	46.98	32.75	23.85	14.35	12.70					
	MEDIAN	#NUM!	100.0	99.9	99.9	99.9	99.5	96.9	90.9	80.6	68.8	53.4	45.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	100.0	99.6	98.0	91.8	81.4	62.3	57.6	-	-	-	-	-
	MINIMUM	0.0	100.0	96.2	95.8	95.3	87.6	66.1	47.0	32.8	23.9	14.4	12.7	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-6 Summary.xls Sheet: OVERPLOT Date: 06/10/99 Time Plotted: 2:43 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-6 OVERFLOW TAILINGS SAMPLES

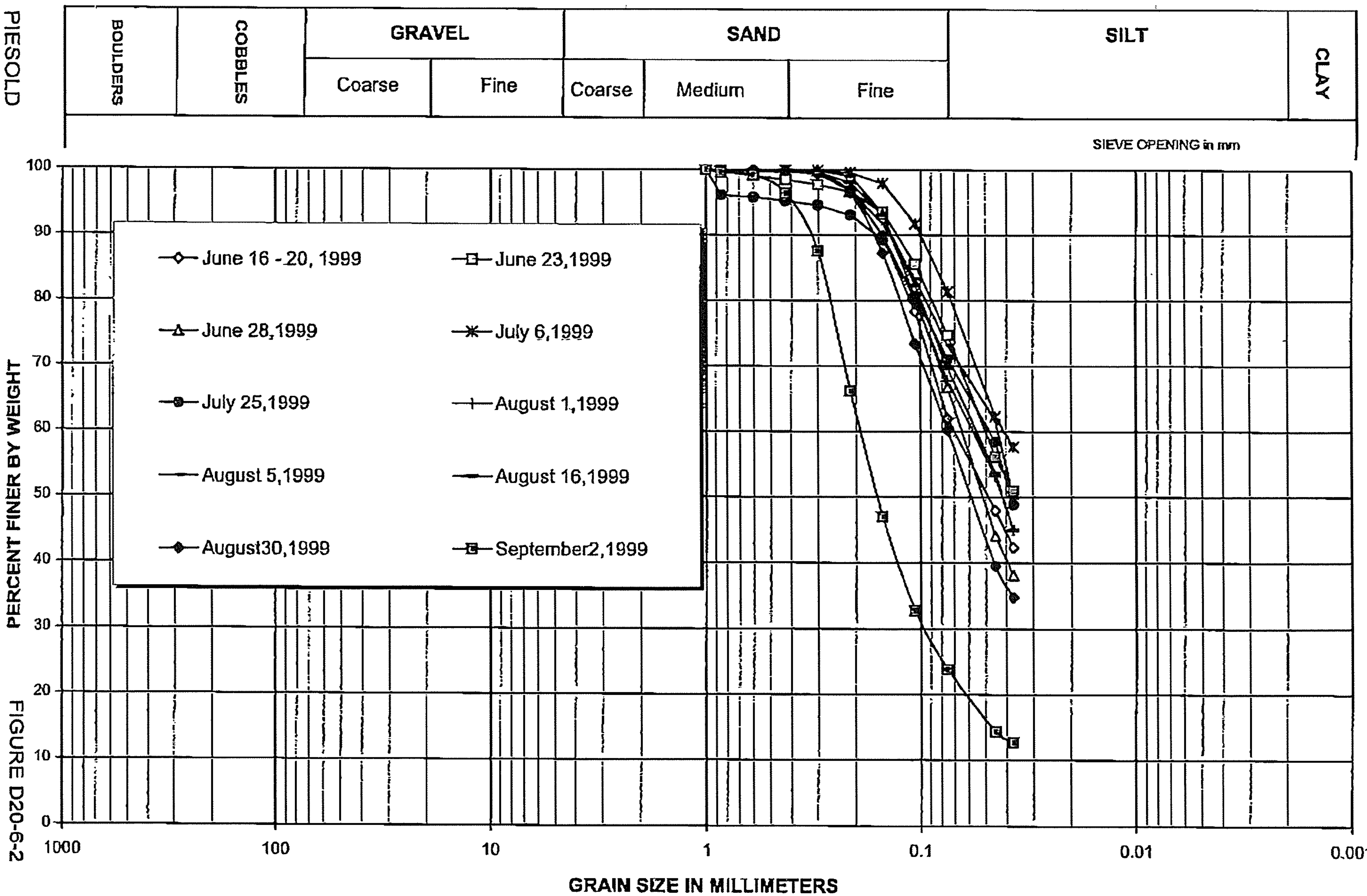


FIGURE D20-6-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

WEEKLY AVERAGED BULK TAILINGS SAMPLES

Knight Piesold
CONSULTING ENGINEERS

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET: 1 OF 1
PERIOD: June 10, 1999
PROJECT NO.: 11162/11
AREA: CYCLONE SAND TESTING

PROJECT: MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL: WEEKLY AVERAGED BULK TAILINGS SAMPLES

DATE SAMPLED	SAMPLE No. / Depth (m)	LOCATION	Particle Size Distribution 10.00	5.00	2.38	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
					#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer?				
			%	%	%	%	%	%	%	%	%	%	%	%	%						
	May 4 11, 1999						100.00	99.97	99.84	99.20	96.17	88.33	77.12	64.96							
	May 12-17, 1999					100.0	99.99	99.98	99.87	99.33	96.98	90.93	61.85	70.28							
	May 18-26, 1999						100.0	100.0	99.8	99.3	96.4	89.6	78.9	66.5							
	May 27-30, 1999						100.0	100.0	99.0	99.3	96.6	89.9	78.8	66.4							
	May 31- June 2, 1999							100.0	99.9	99.6	97.1	91.3	81.6	69.8							
	June 3-6, 1999							100.0	99.9	99.7	97.9	92.9	83.4	70.7	56.1	50.3					
	June 7-10, 1999						100.0	99.9	99.9	99.8	98.7	94.3	85.8	75.2	64.8	53.6					
	June 11-14, 1999						100.0	99.9	99.6	98.5	94.3	85.8	74.4	63.6	49.1	45.5					
	June 15-16, 1999							100.0	99.8	99.2	96.1	87.4	78.1	68.0	53.1	48.9					
	June 17-20, 1999					100.0	97.6	96.7	94.9	92.4	88.6	82.2	72.7	62.4	49.1	45.7					
	June 21-24, 1999							100.0	99.9	99.3	97.0	90.7	81.0	67.2	54.1	40.4					
	June 25-20, 1999							100.0	99.9	99.3	95.9	90.3	79.8	68.6	51.3	46.8					
	June 29 - July 2, 1999							100.0	99.7	99.1	97.1	91.8	82.7	72.6	56.8	51.3					
	July 3-6, 1999							100.0	99.7	98.6	95.2	88.3	77.9	67.2	51.0	47.1					
	July 7-10, 1999							100.0	99.9	99.5	96.3	89.9	81.3	72.8	61.3	57.5					
	July 11-14, 1999							100.0	99.6	98.6	95.0	87.4	78.1	63.2	49.7	45.5					
	July 15-18, 1999							100.0	99.9	99.2	96.6	89.9	79.3	66.4	51.9	47.7					
	July 19-22, 1999								100.0	99.6	97.8	92.6	83.0	69.7	59.8	49.1					
	July 23-26, 1999							100.0	99.9	99.6	97.7	92.4	83.1	73.3	60.8	52.0					
	August 4-7, 1999							100.0	99.6	99.1	96.6	90.5	80.9	71.6	57.8	50.7					
	August 8-11, 1999							100.0	99.6	98.9	95.7	87.5	74.8	62.8	48.0	41.8					
	August 12-15, 1999							100.0	99.9	99.2	96.6	90.3	80.1	69.3	54.4	48.0					
	August 16-19, 1999							100.0	99.9	99.2	98.0	89.2	79.4	69.9	51.5	47.5					
	August 20-23, 1999							100.0	99.9	98.9	95.1	89.1	77.5	66.9	49.9	45.9					
	August 24-27, 1999							100.0	99.8	99.0	98.1	90.4	81.1	70.5	52.4	48.1					
	Aug 28-Sep 1, 1999							100.0	99.8	98.7	94.8	86.7	75.5	64.3	47.6	43.9					
	September 2-4, 1999								100.0	99.6	97.4	92.9	84.8	74.8	57.6	53.2					
	September 5-8, 1999								100.0	99.5	96.7	91.8	81.1	70.6	50.2	43.8					
	September 9-12, 1999							100.0	99.9	99.3	96.5	89.8	79.7	69.0	51.6	47.4					
	September 17-20, 1999							100.0	99.9	99.5	97.2	92.0	82.8	71.7	54.2	43.8					
	1September 25-28, 1999								100.0	99.8	97.8	91.9	80.9	68.2	47.0	42.0					
	3September 25-28, 1999								100.0	99.9	98.7	94.6	85.3	73.7	54.2	49.2					
	mDTS-Sept 25-28, 1999							100.0	99.9	99.6	97.5	92.5	83.7	73.2	56.8	52.6					
	MEDIAN				#NUM!	100.0	100.0	100.0	99.9	99.2	96.6	89.9	79.6	68.6	52.7						
	MAXIMUM				0.0	100.0	100.0	100.0	100.0	99.0	98.7	94.3	86.8	75.2	64.8						
	MINIMUM				0.0	100.0	97.6	96.7	94.9	92.4	88.6	82.2	72.7	62.4	40.0						

ADD WEEKLY AVERAGES FROM DAILY BULK DATA SHEET (SEE DAILY SHEET)

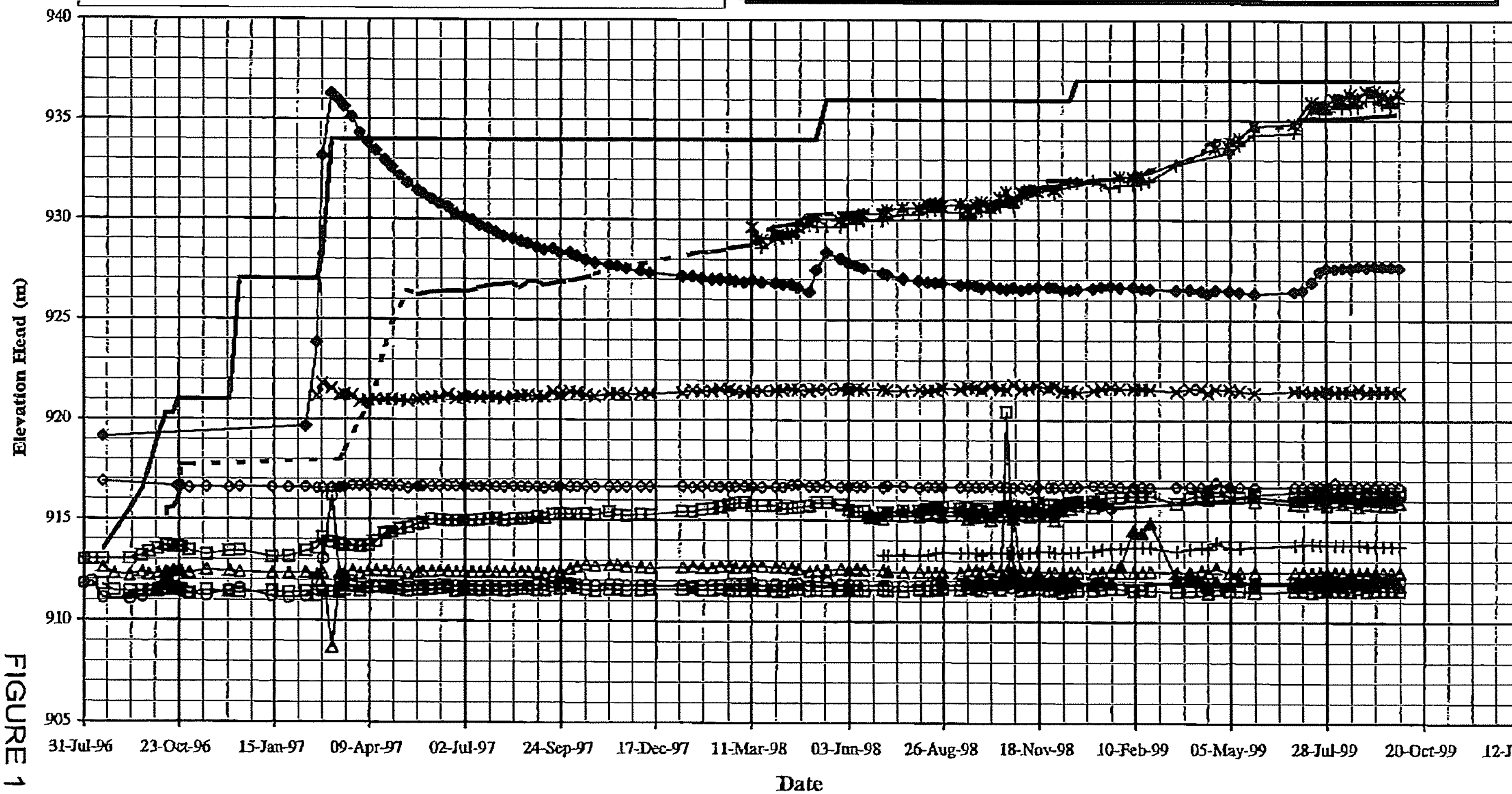
Notes:
1) These are 100% limits.

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY

SUMMARY PLOT OF PLANE A PIEZOMETERS



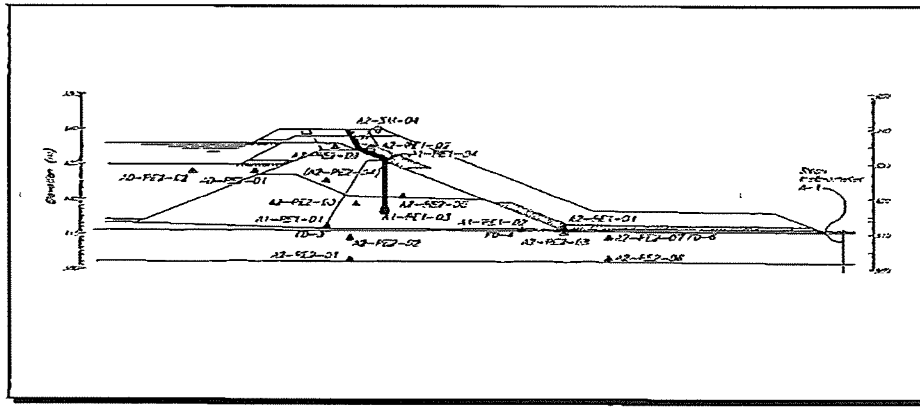


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FIGURE 1

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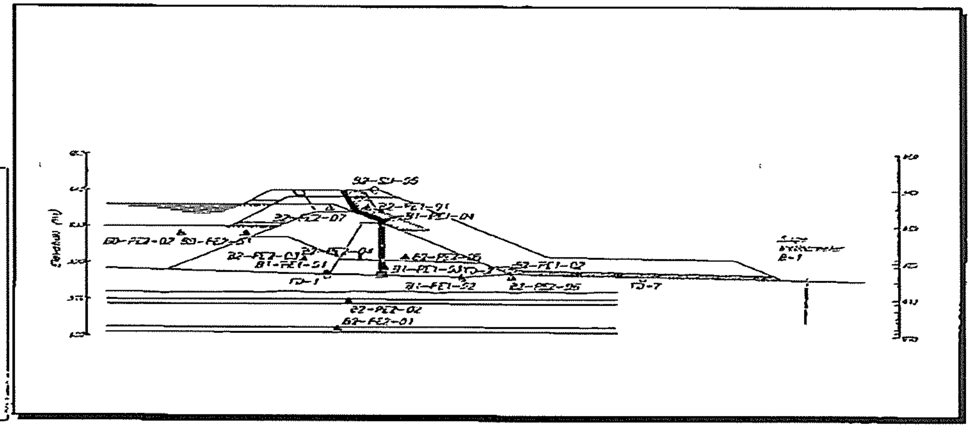
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



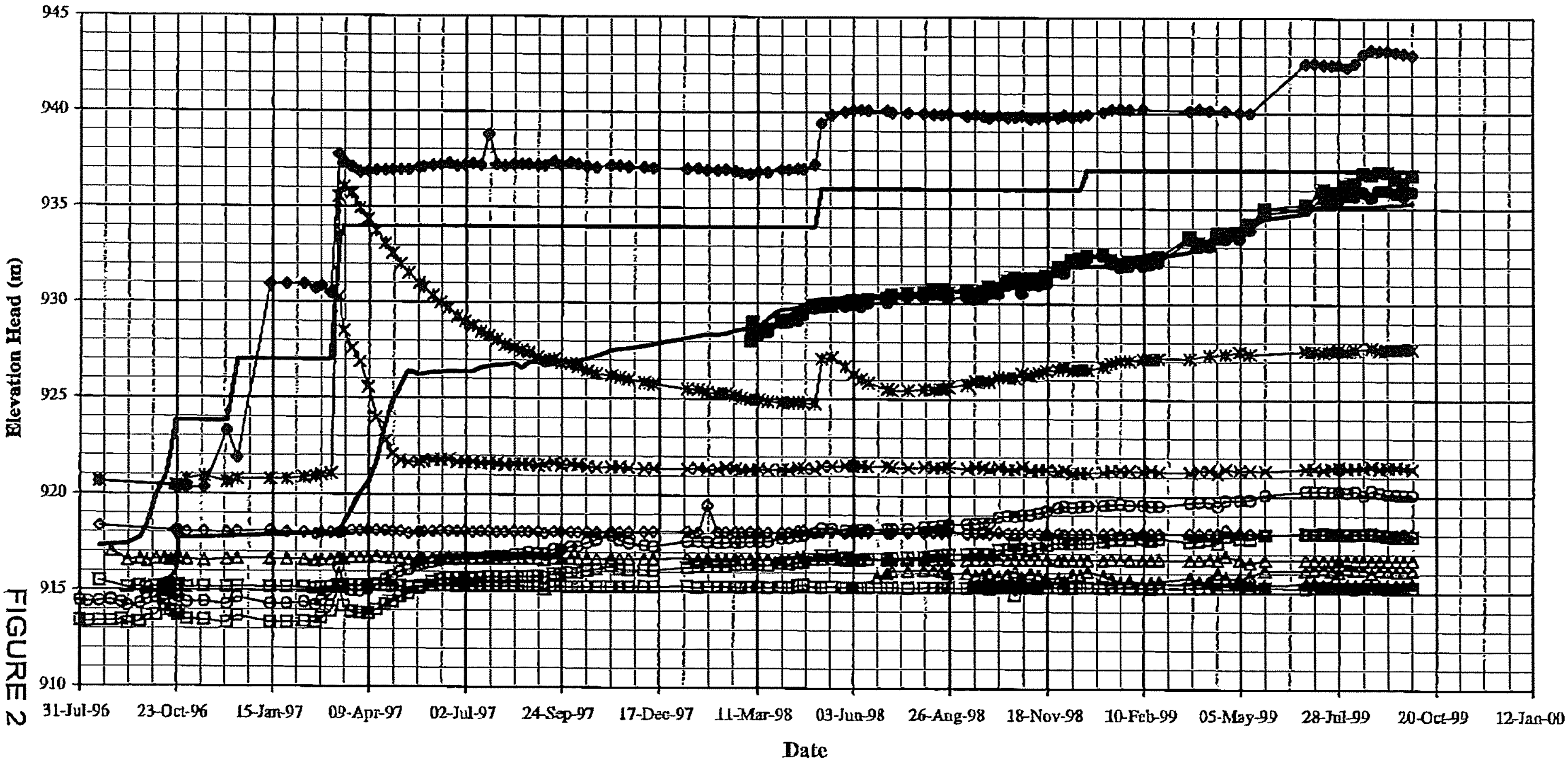
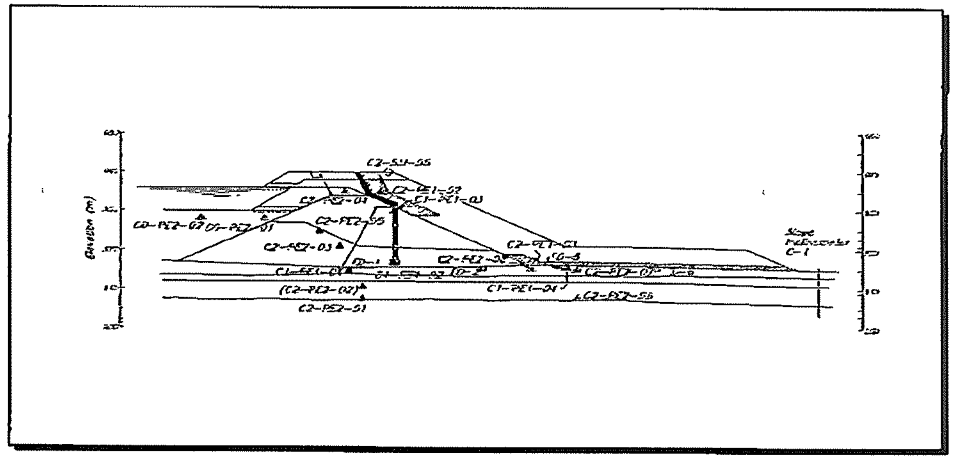


FIGURE 2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



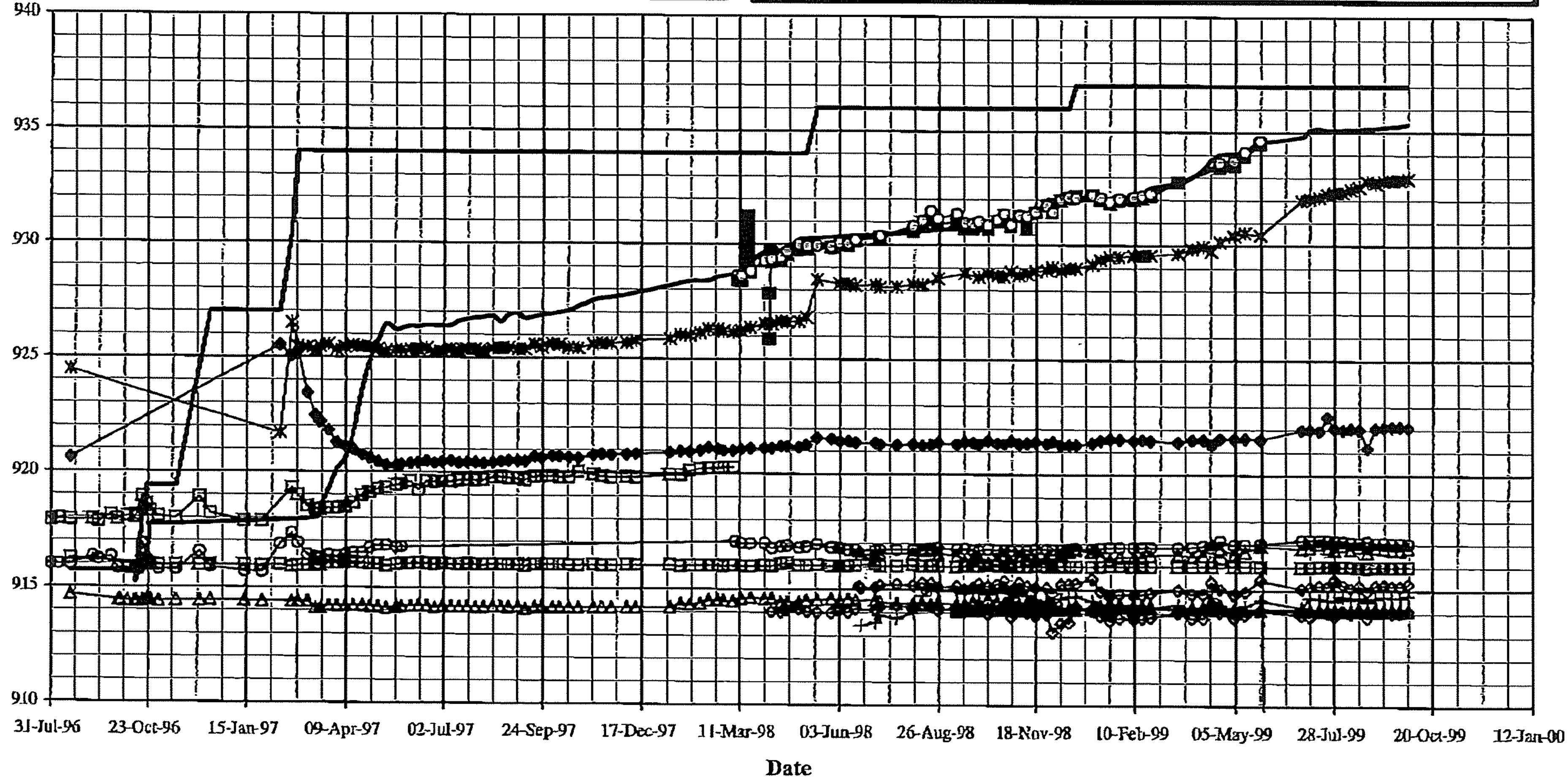


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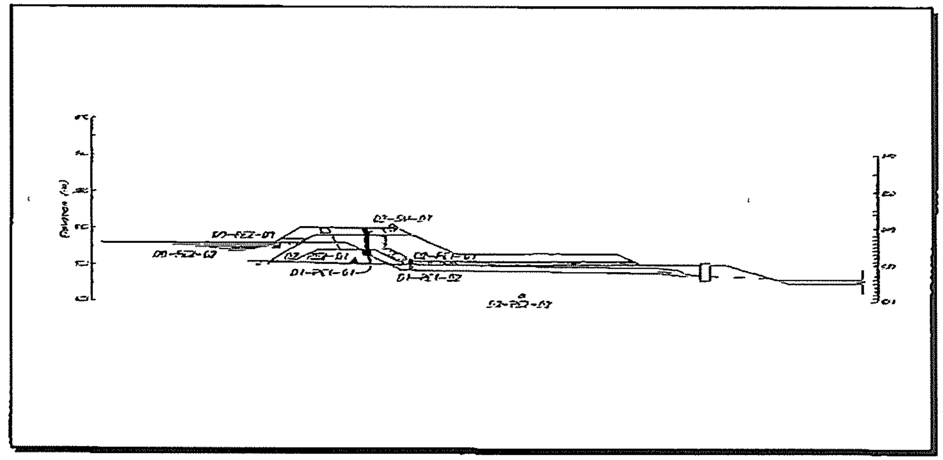
FIGURE 3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



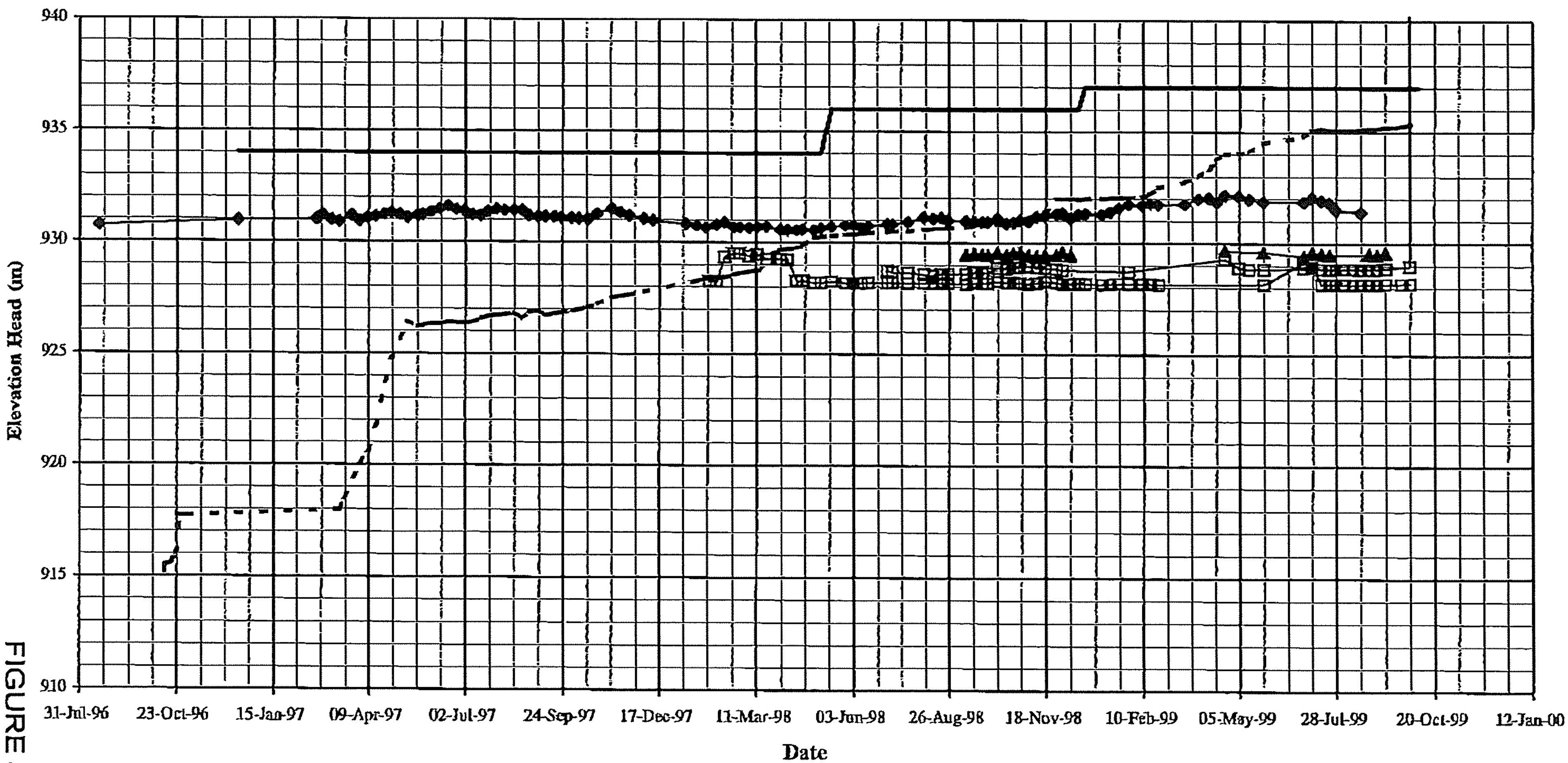


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FIGURE 4

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

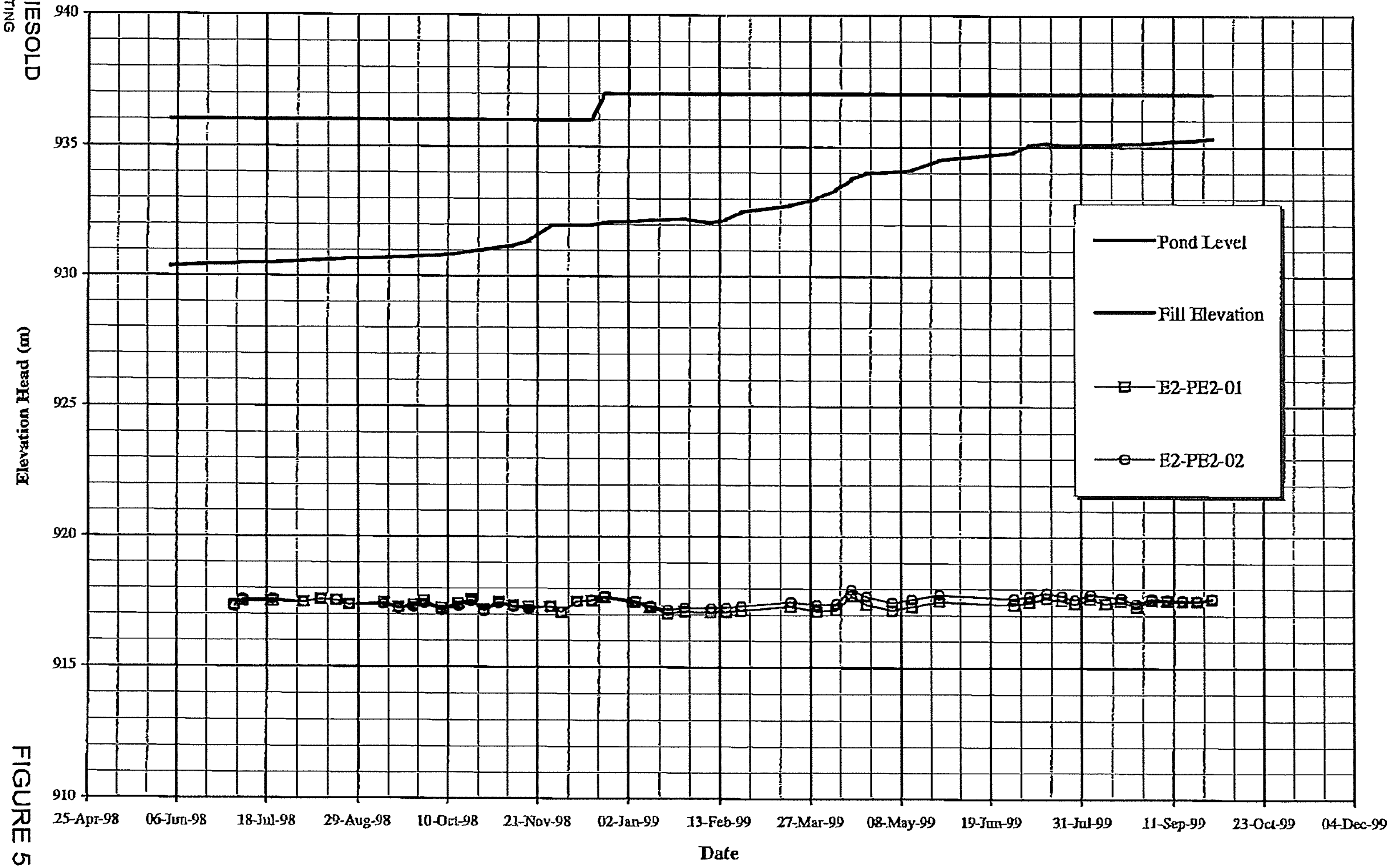

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FIGURE 5

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

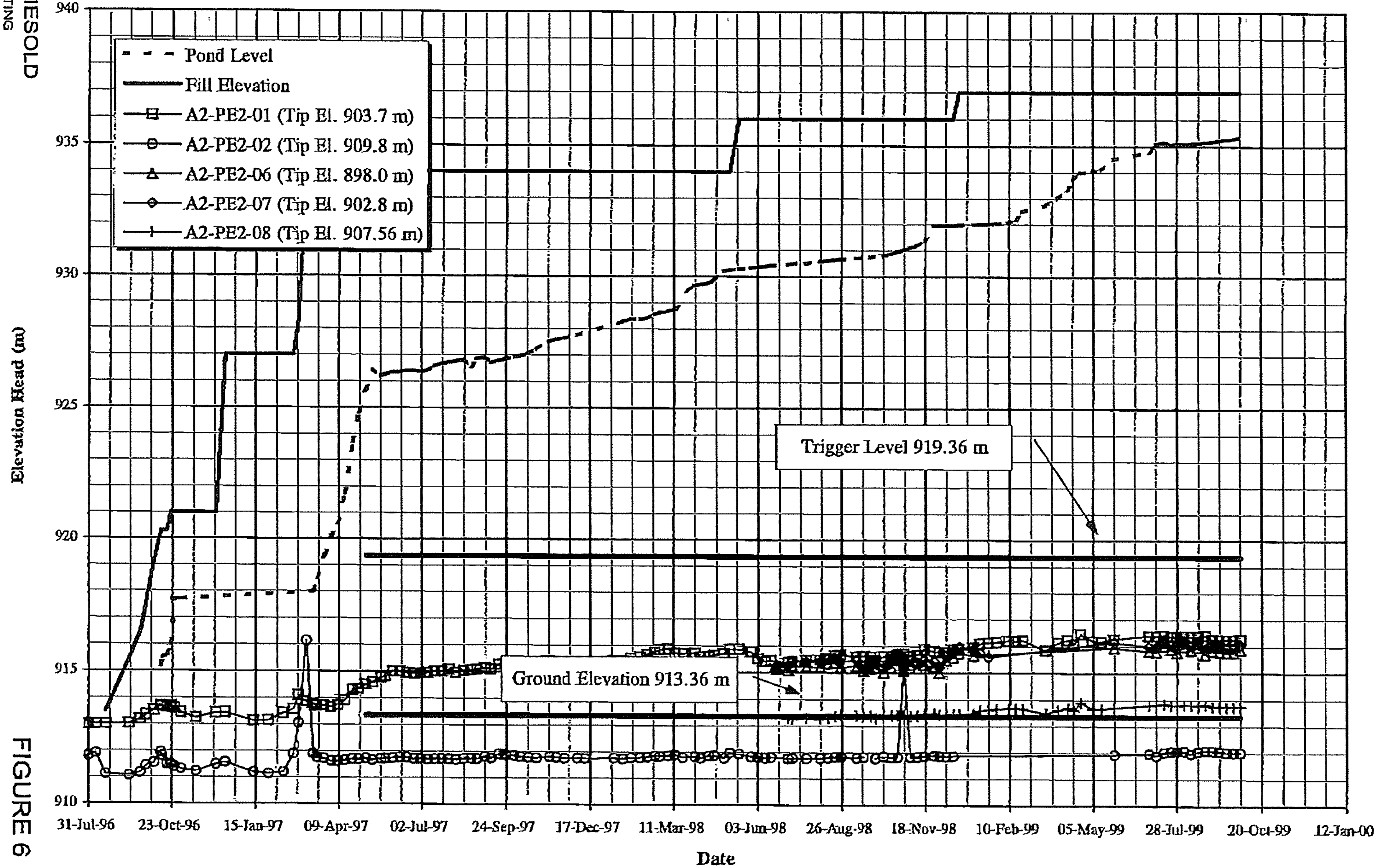

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FIGURE 6

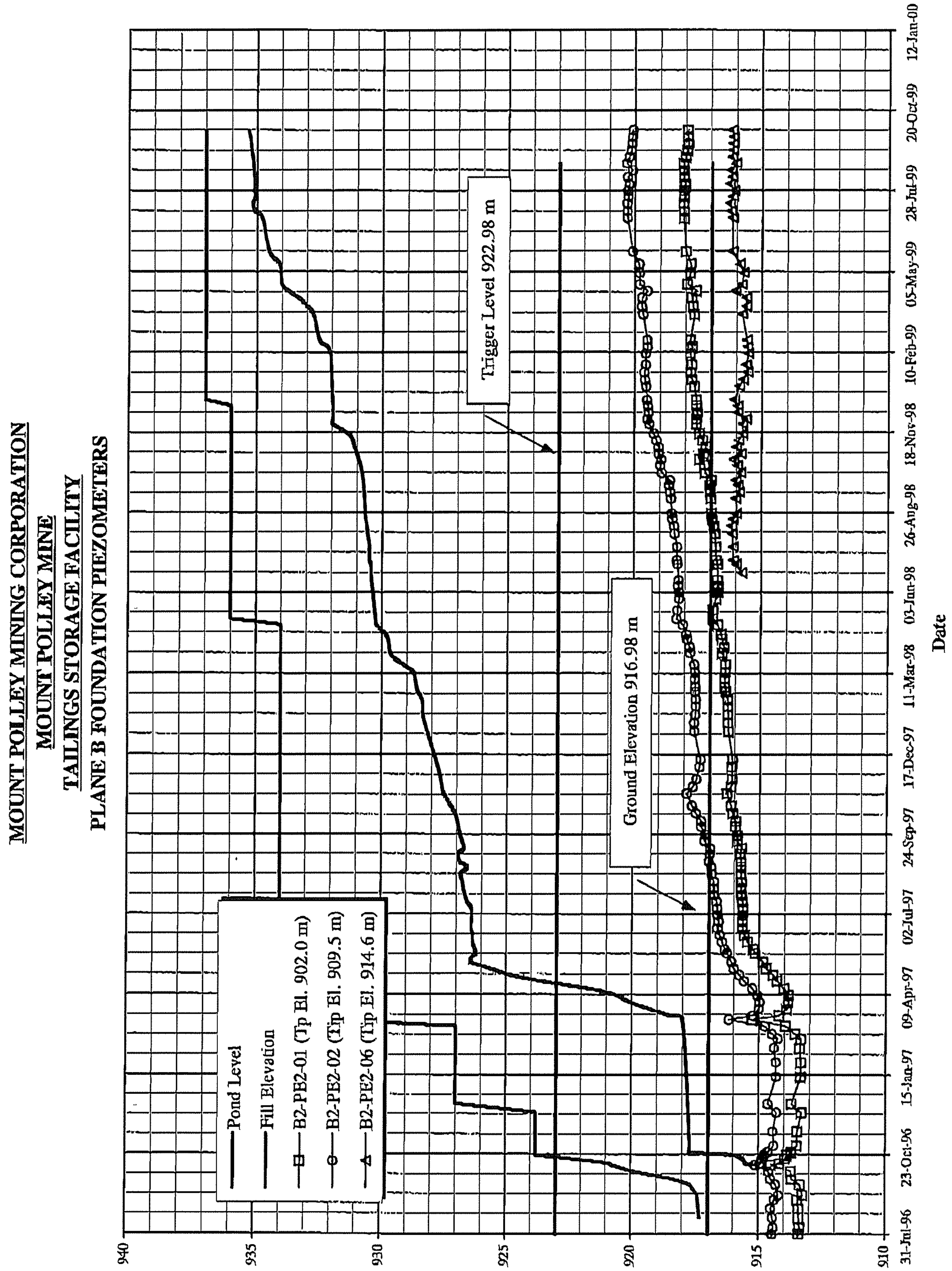

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FIGURE 7

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS

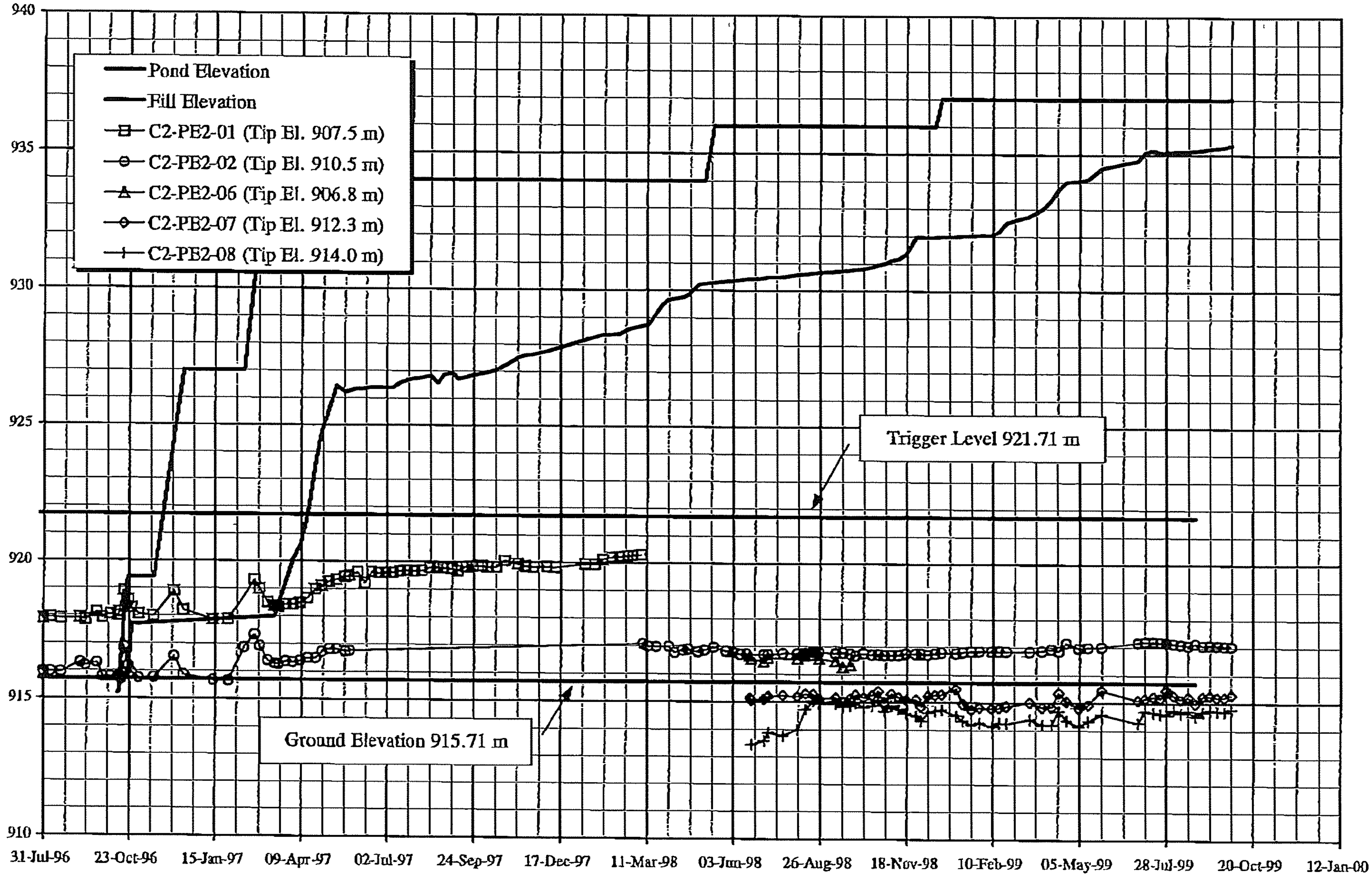

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FIGURE 8

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

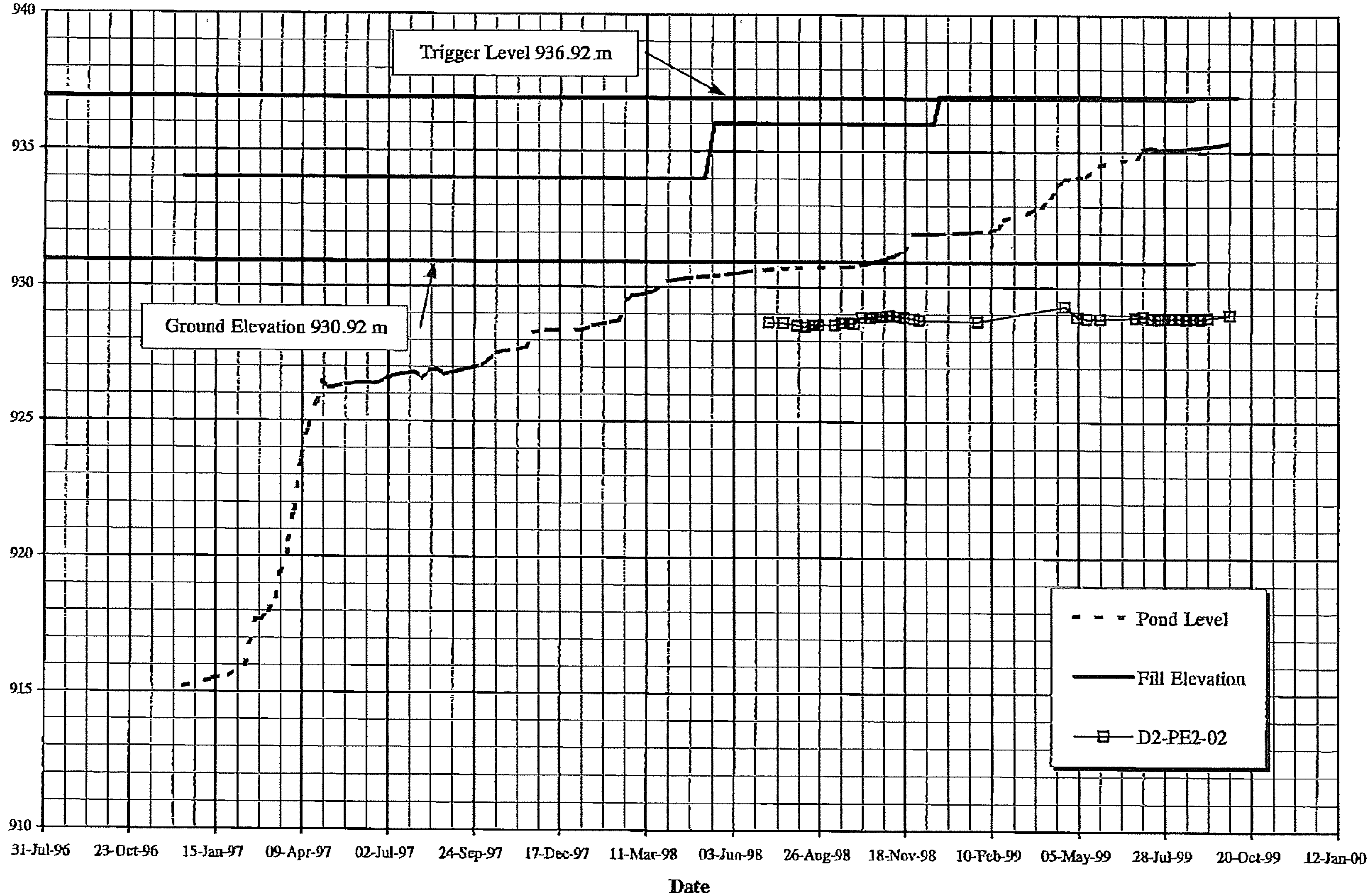

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FIGURE 9

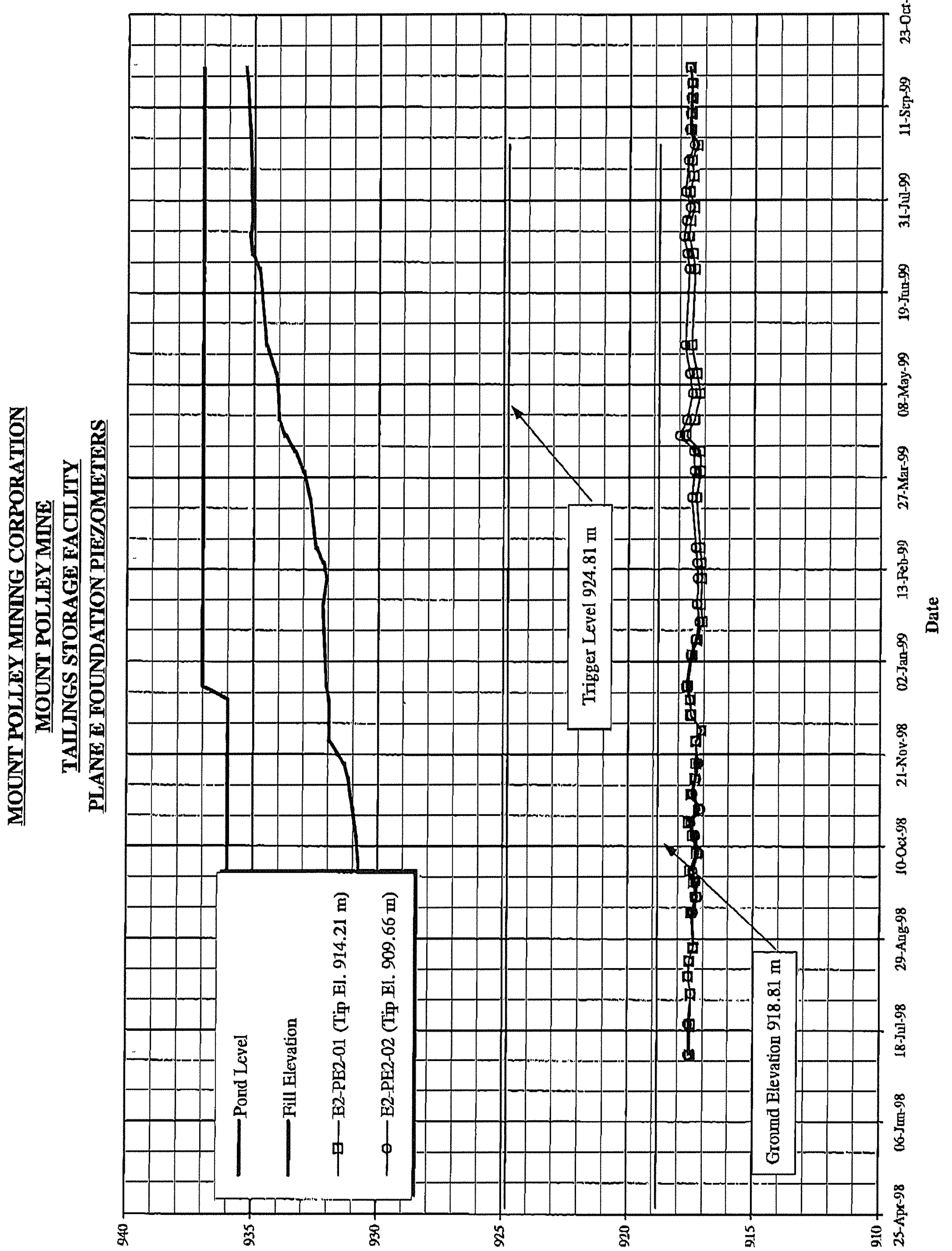

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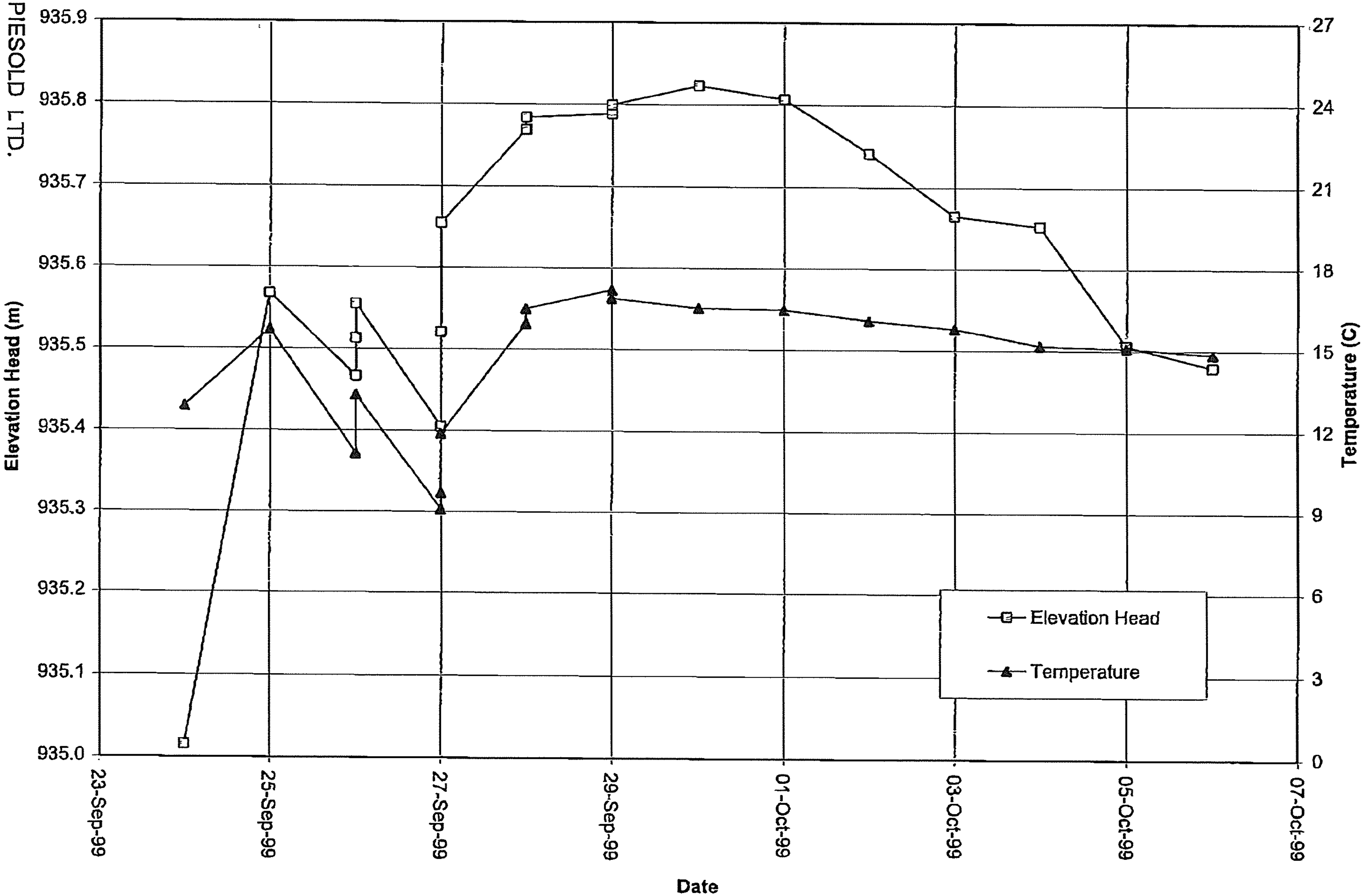
FIGURE 10

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer EL 935.02m)



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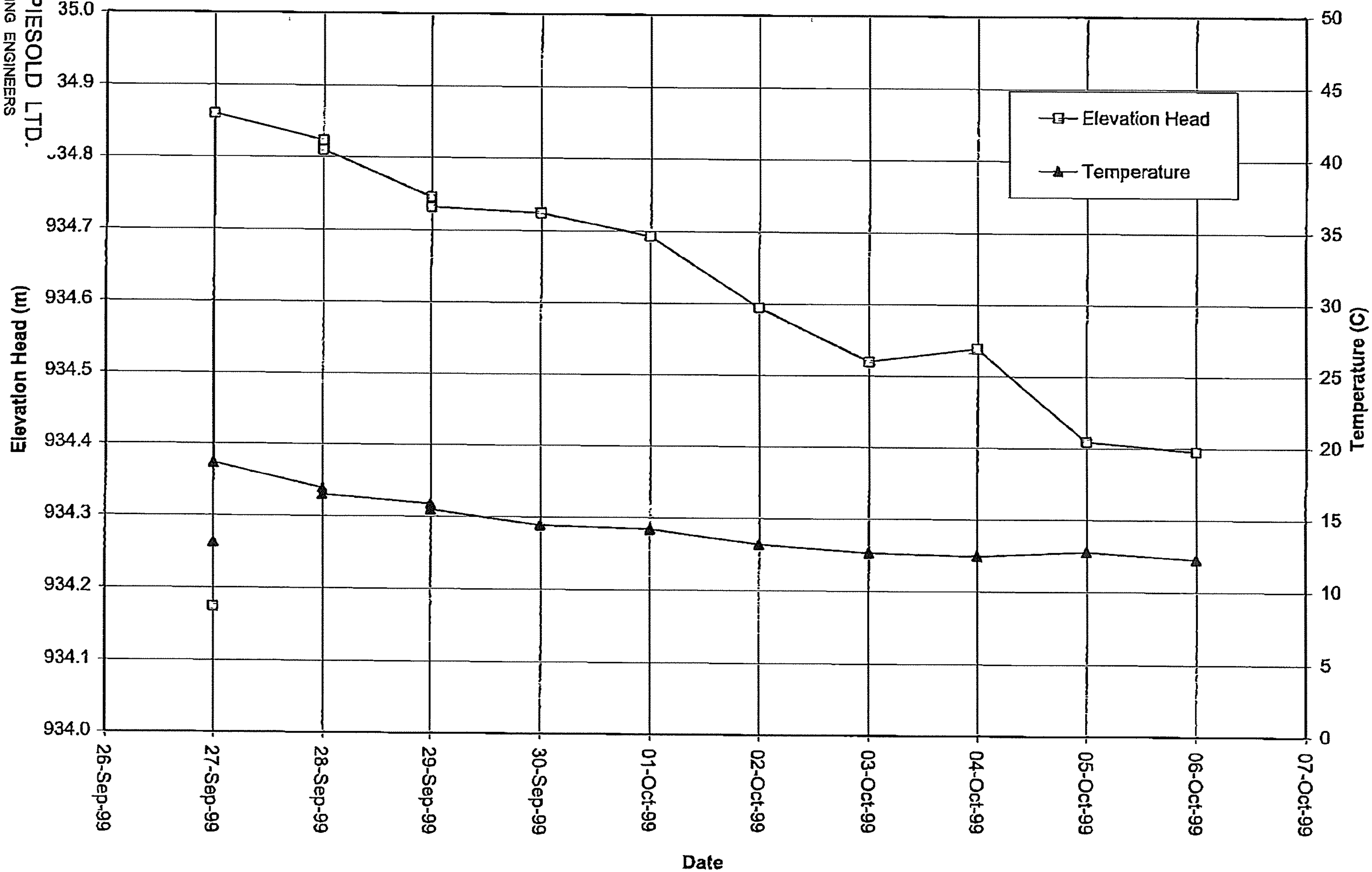
06/10/99

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-03
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 934.17m)



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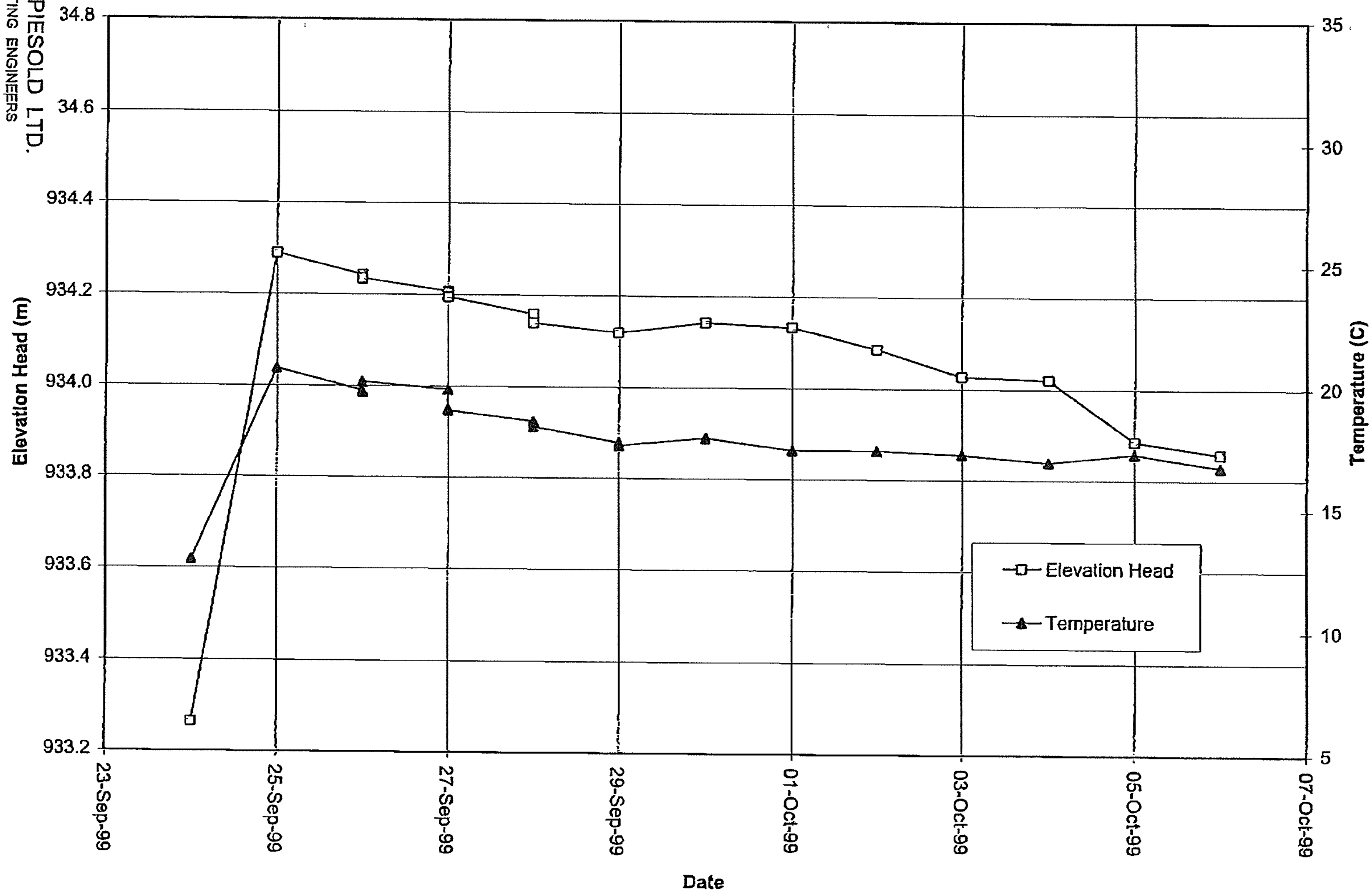
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-04
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 933.27m)



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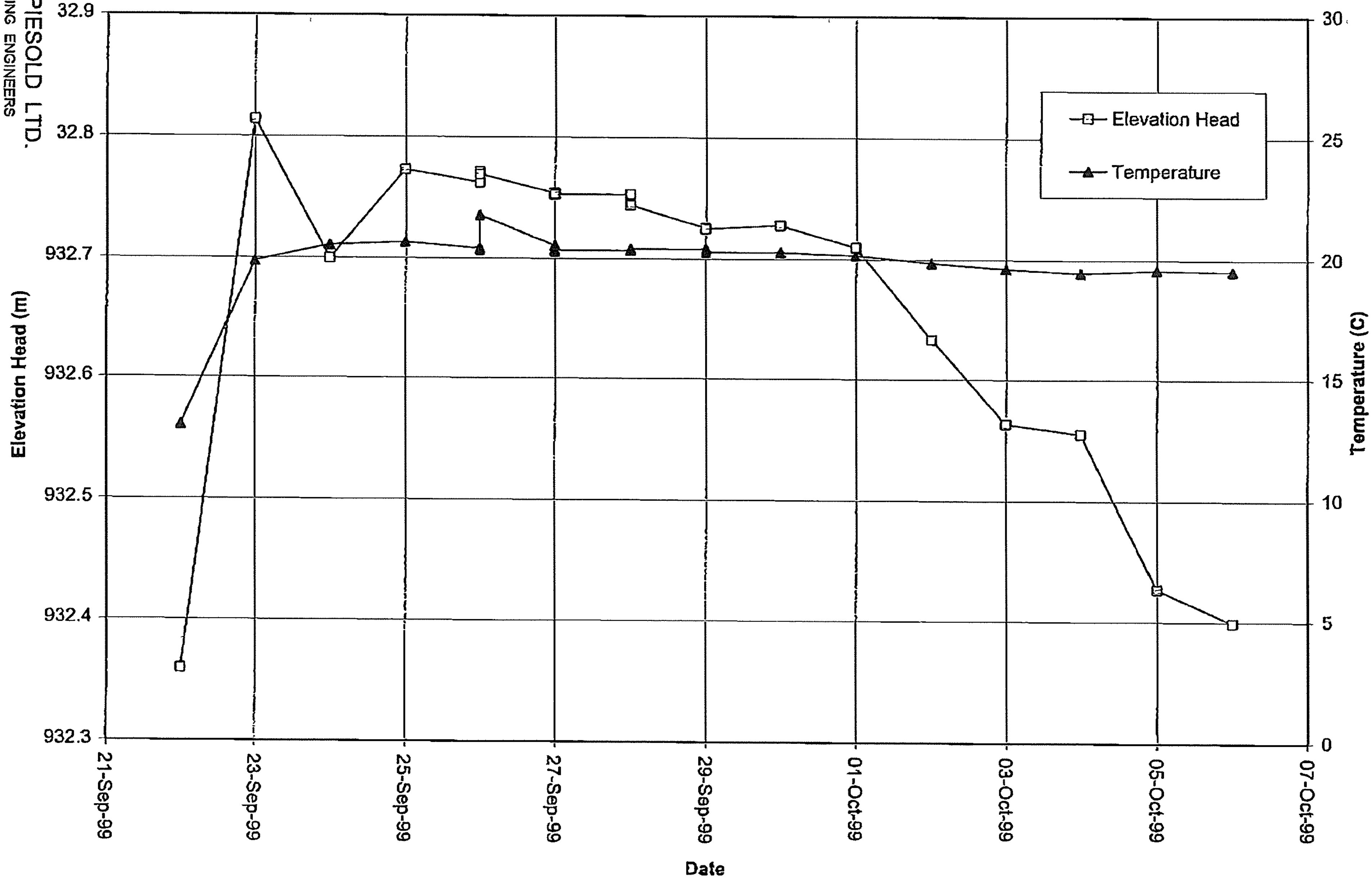
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.36m)



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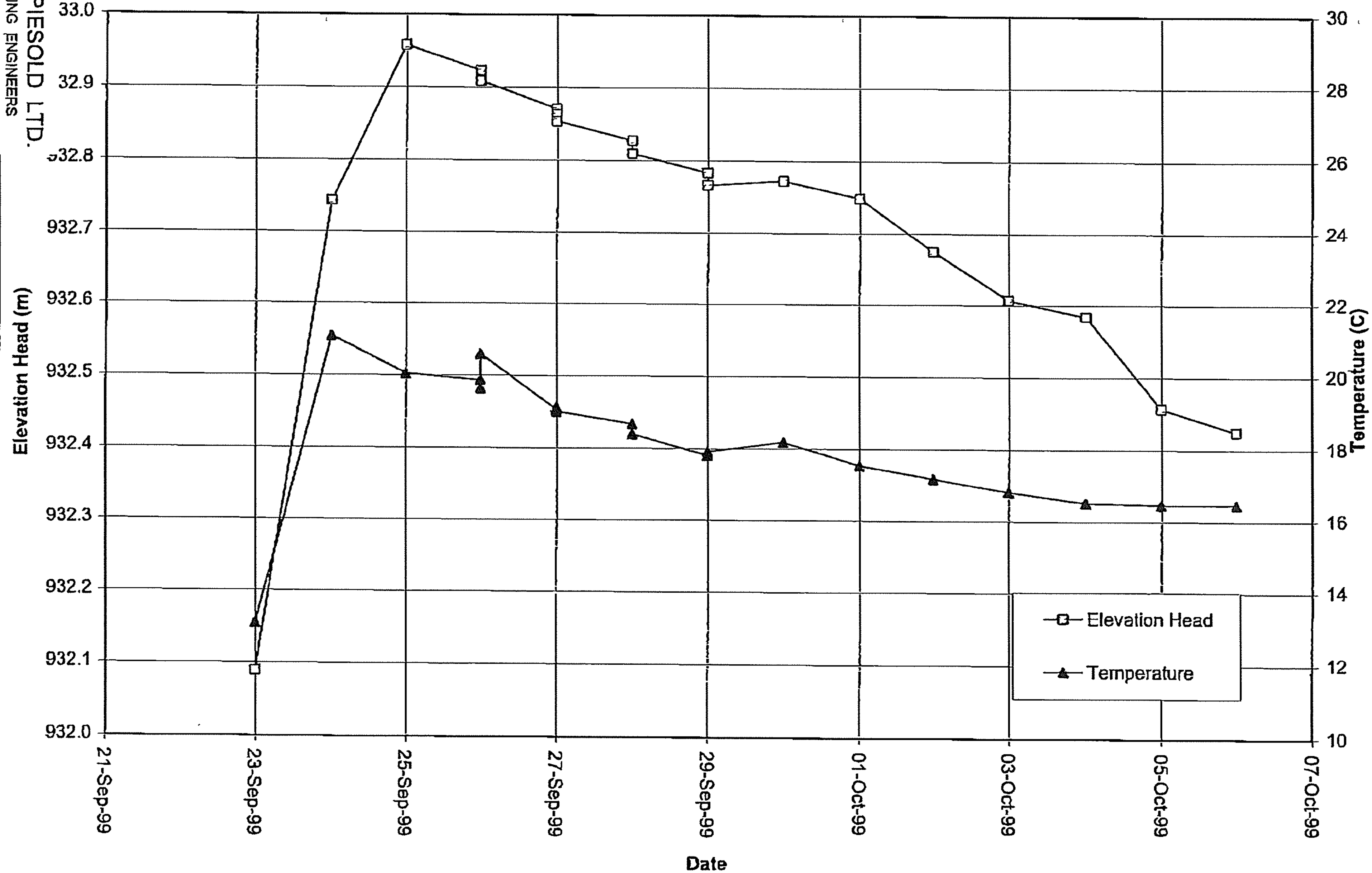
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER D2-PE1-06
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.09m)



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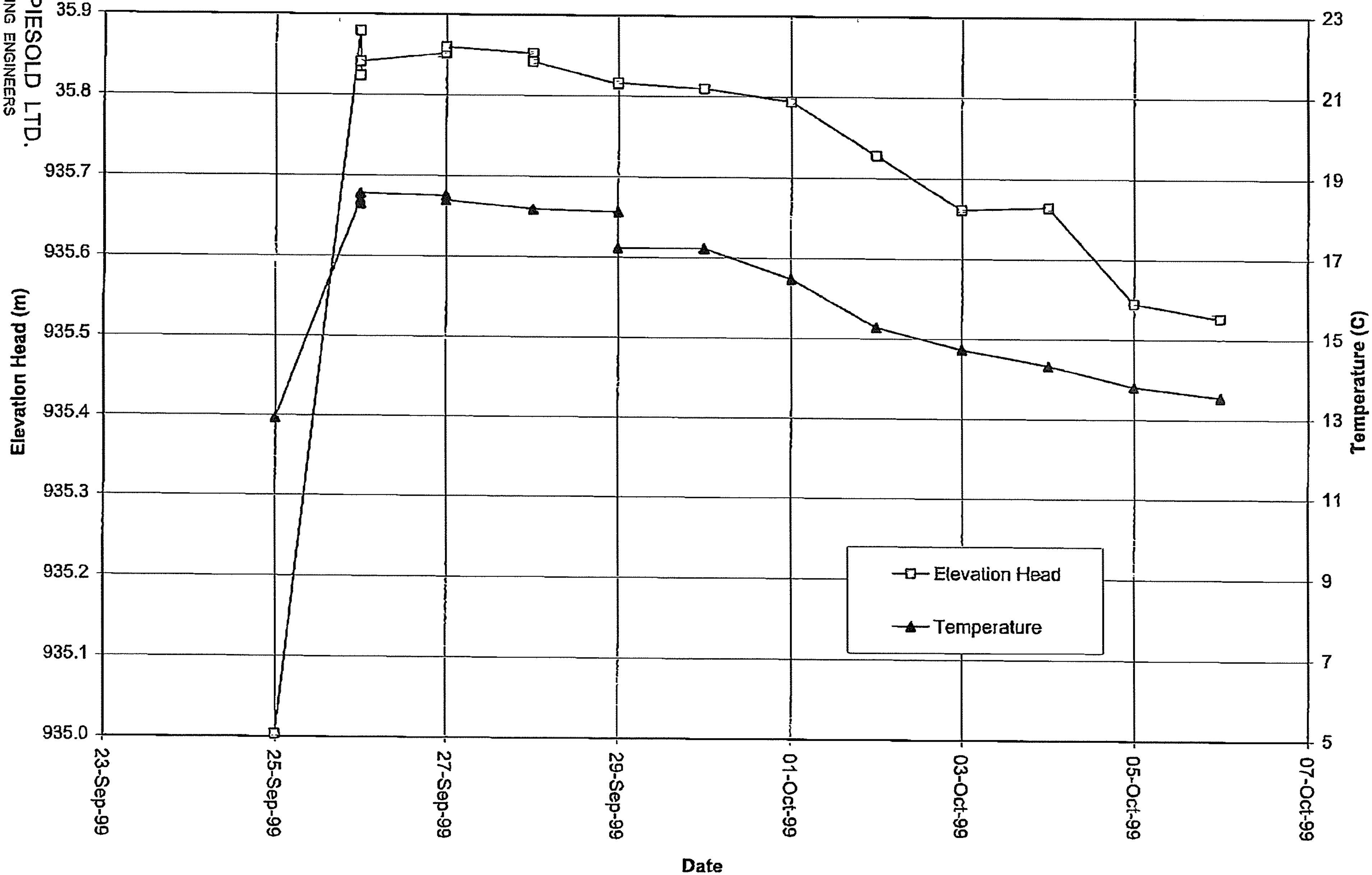
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-01
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 935.00m)



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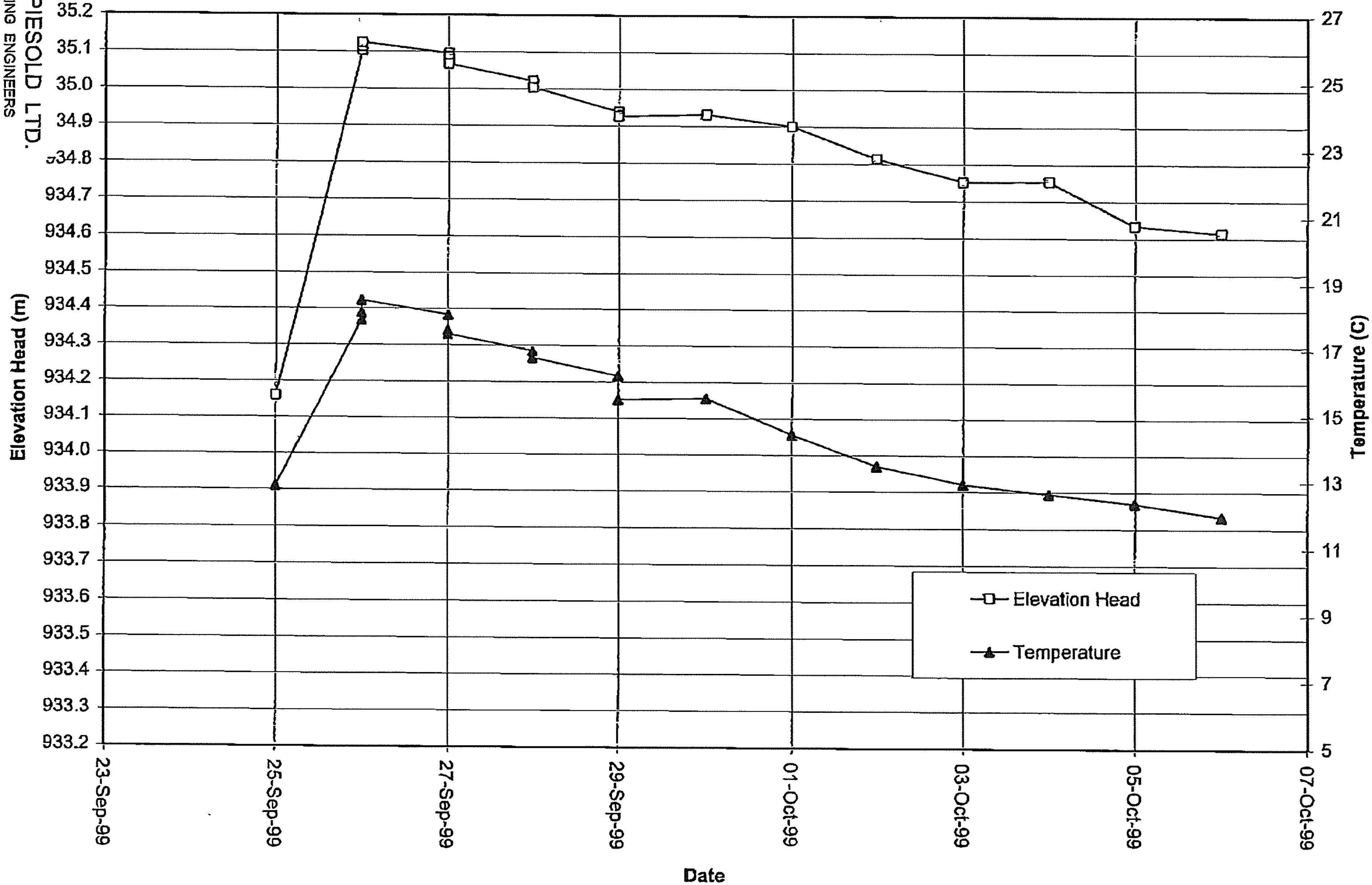
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-02
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 934.16m)



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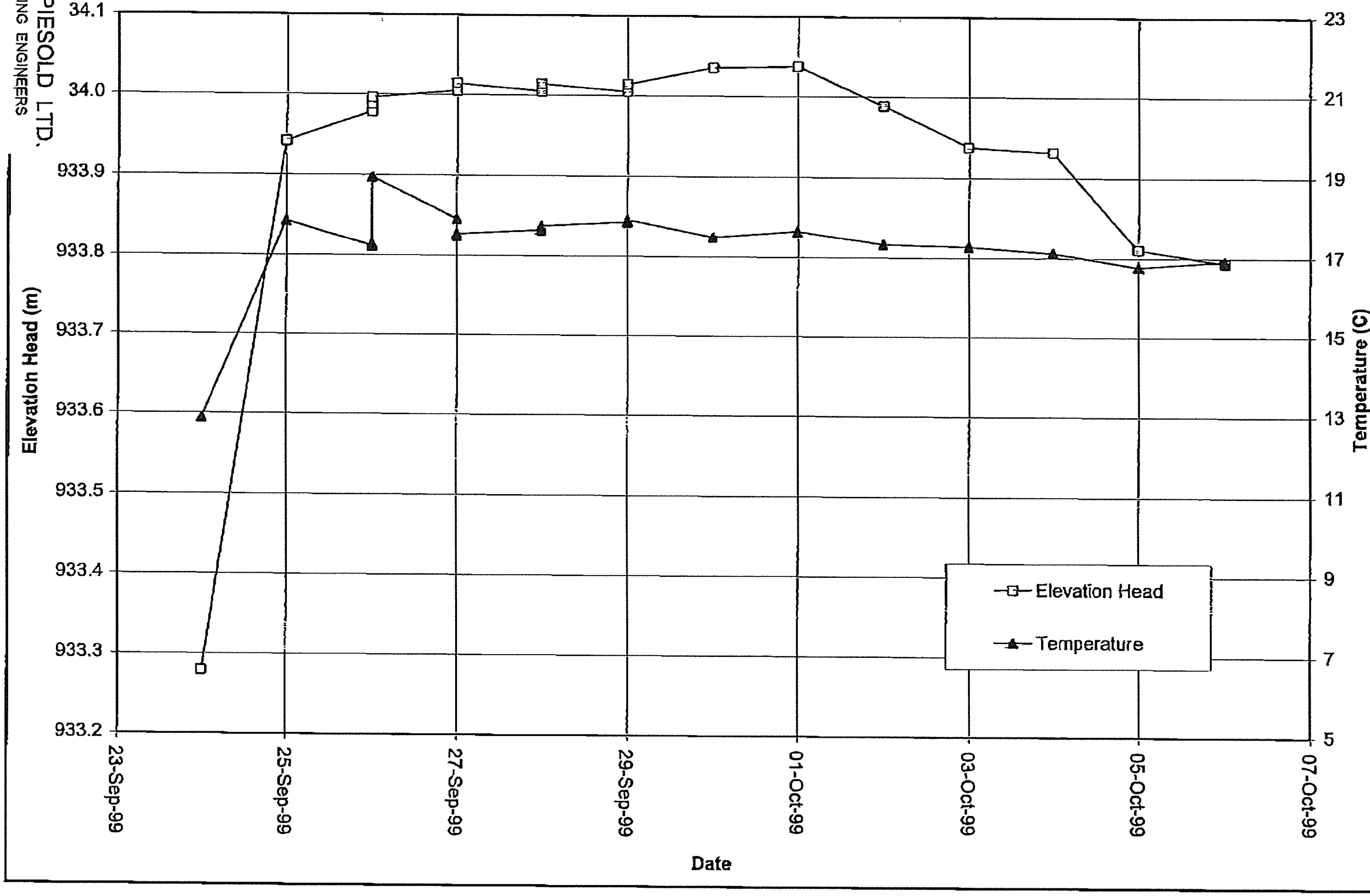
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-03
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 933.28m)



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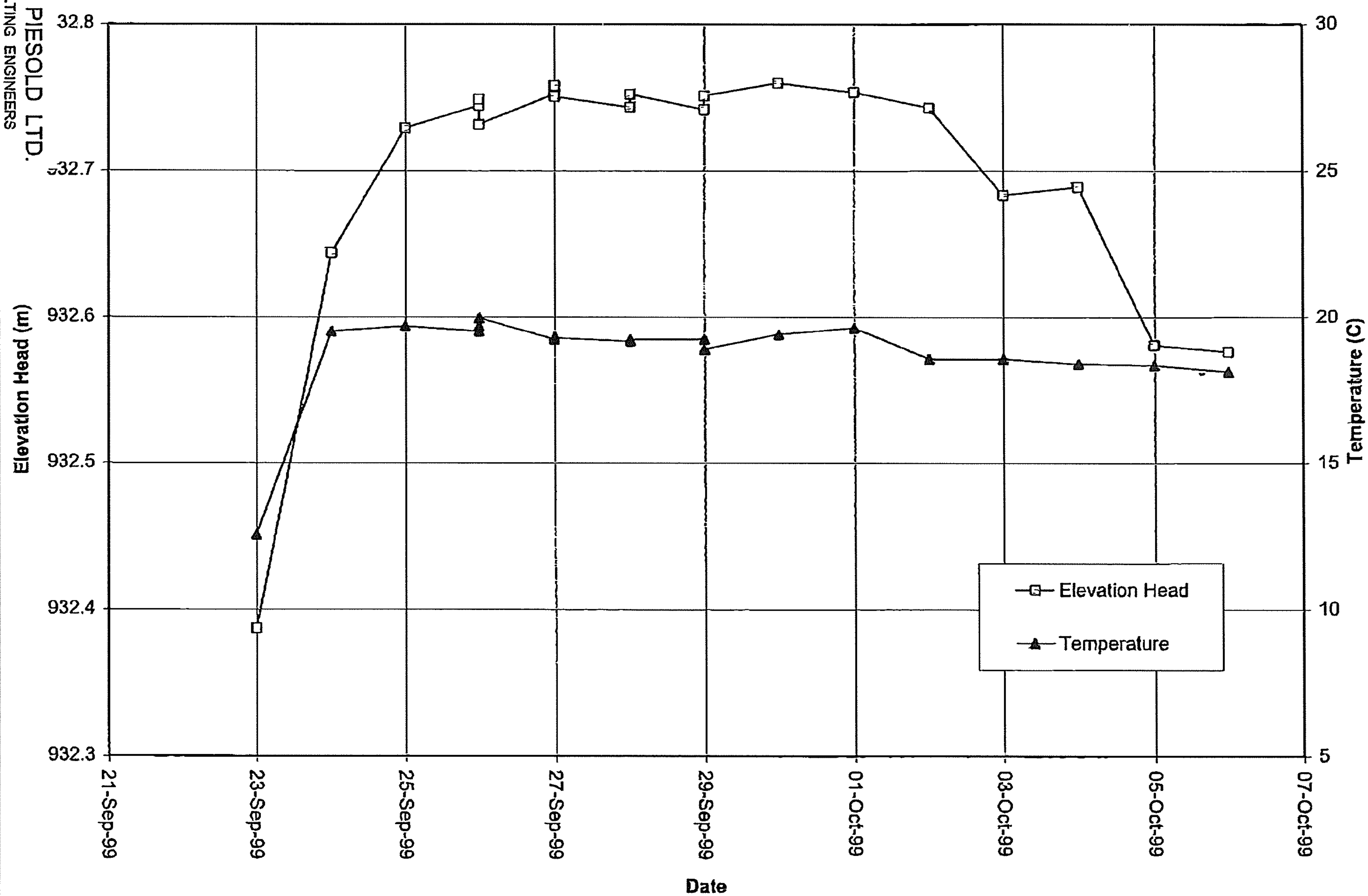
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-04
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.38m)



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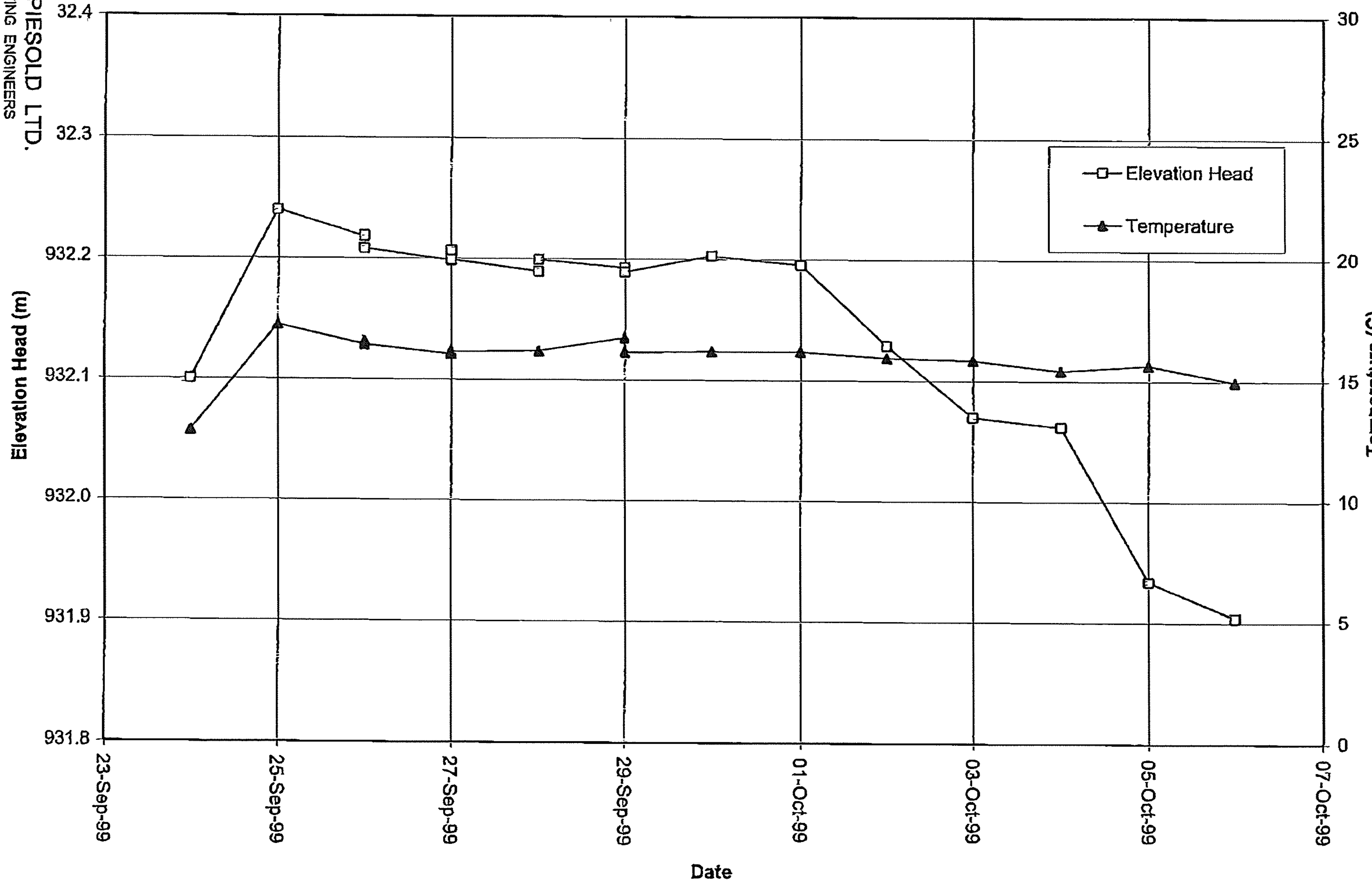
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
PIEZOMETER F2-PE1-05
DOWNSTREAM TRIAL BERM (Zone CS Piezometer El. 932.10m)



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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

J:\ENG\DATA\Engineer\Geotechnical\Weekly Piezo Readings\[FD-zone OD-zone]\[FD-Mao

Note: The elevation for the top of the casing for Ground Water Well GW96-9 is approximately 926.78 m. The ground elevation is 916.18 m.

October 6, 1999

SAMPLING DATE	FD-1 Flow Rate			FD-2 Flow Rate			FD-3 Flow Rate			FD-4 Flow Rate			FD-5 Flow Rate			Total Flow Rate			Pond El (m)	GW96-9 (GW Well) Elev. Above Top of Casing of well 9 (m)
Date	FD1(l/min)	(l/sec)	Comments	FD2(l/min)	(l/sec)	Comments	FD3(l/min)	(l/sec)	Comments	FD4(l/min)	(l/sec)	Comments	FD5(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments	Pond Elev.	
28-Aug-96	4.62	0.08	Clear	0.49	0.01	Clear	5.37	0.09	Clear	1.77	0.03	Tr. cloudy	-	-	-	12.25	0.20	FD-3, FD-4 incomplete		
01-Sep-96	3.55	0.06	Clear	0.82	0.01	Clear	6.56	0.11	Cloudy	1.25	0.02	V. Cloudy	-	-	-	12.18	0.20	FD-3, FD-4 incomplete		
05-Sep-96	2.60	0.04	Clear	0.62	0.01	Clear	2.71	0.05	Clear	0.93	0.02	Cloudy	-	-	-	6.86	0.11	FD-3, FD-4 incomplete		
10-Sep-96	2.04	0.03	Clear	0.66	0.01	Clear	2.17	0.04	Clear	0.81	0.01	Clear	-	-	-	5.68	0.09	FD-3, FD-4 incomplete		
27-Sep-96	3.10	0.05	Clear	0.70	0.01	Clear	3.10	0.05	Clear	1.00	0.02	Clear	-	-	-	7.90	0.13	FD-3, FD-4 incomplete		
05-Oct-96	4.94	0.08	Clear	0.77	0.01	Clear	4.33	0.07	Tr. cloudy	6.16	0.10	Tr. cloudy	-	-	-	16.20	0.27	FD-3, FD-4 incomplete		
12-Oct-96	3.90	0.07	Clear	1.00	0.02	Clear	3.50	0.06	Clear	1.80	0.03	Clear	-	-	-	10.20	0.17	FD-3, FD-4 incomplete	915.20	
13-Oct-96	4.20	0.07	Clear	0.90	0.02	Clear	13.50	0.23	Clear	1.70	0.03	Clear	-	-	-	20.30	0.34	FD-3 complete, FD-4 incomplete	915.50	
14-Oct-96	3.80	0.06	Clear	1.00	0.02	Clear	15.00	0.25	Clear	5.40	0.09	Clear	-	-	-	25.20	0.42	FD-3 complete, FD-4 complete	915.23	
17-Oct-96	5.90	0.10	Clear	0.80	0.01	Clear	16.60	0.28	Clear	5.40	0.09	Clear	-	-	-	28.70	0.48		915.44	
18-Oct-96	9.80	0.16	Clear	1.00	0.02	Clear	26.10	0.44	Clear	9.00	0.15	Clear	-	-	-	45.90	0.77		915.50	
22-Oct-96	6.20	0.10	Clear	0.80	0.01	Clear	20.40	0.34	Clear	5.90	0.10	Clear	-	-	-	33.30	0.56		915.63	
27-Oct-96	6.00	0.10	Clear	1.50	0.03	Clear	24.20	0.40	Clear	6.40	0.11	Clear	-	-	-	38.10	0.64		916.00	
15-Mar-97	3.89	0.06	Clear	1.35	0.02	Clear	8.91	0.15	Clear	3.19	0.05	Clear	-	-	-	17.34	0.29	pig installed, sump pumped out	918.00	
16-Mar-97	3.48	0.06	Clear	1.15	0.02	Clear	8.37	0.14	Clear	2.87	0.05	Clear	-	-	-	15.88	0.26	pig installed, sump pumped out	918.20	
02-Apr-97	2.10	0.04	Clear	1.12	0.02	Clear	8.40	0.14	Clear	3.46	0.06	Clear	-	-	-	15.08	0.25	pig installed, sump pumped out	920.27	
23-Apr-97	4.14	0.07	Clear	0.94	0.02	Clear	11.56	0.19	Clear	2.35	0.04	Clear	-	-	-	18.99	0.32	pig installed, sump pumped out	923.70	
24-Apr-97	3.16	0.05	Clear	0.84	0.01	Clear	12.73	0.21	Clear	2.05	0.03	Clear	-	-	-	18.78	0.31	pig installed, sump pumped out	923.75	
29-Apr-97	2.90	0.05	Clear	0.59	0.01	Clear	10.32	0.17	Clear	1.71	0.03	Clear	-	-	-	15.52	0.26	pig installed, sump pumped out	924.81	
08-May-97	3.60	0.06	Clear	0.76	0.01	Clear	14.15	0.24	Clear	1.92	0.03	Clear	-	-	-	20.43	0.34	pig out, pumped down	925.86	
13-May-97	4.04	0.07	Clear	0.79	0.01	Clear	14.85	0.25	Clear	1.95	0.03	Clear	-	-	-	21.63	0.36	pig out, pumped down	926.43	
20-May-97	4.11	0.07	Clear	0.77	0.01	Clear	17.09	0.28	Clear	1.85	0.03	Clear	-	-	-	23.82	0.40	pig out, pumped down	926.20	
28-May-97	3.99	0.07	Clear	0.80	0.01	Clear	15.71	0.26	Clear	1.87	0.03	Clear	-	-	-	22.37	0.37	pig out, pumped down	926.25	
10-Jun-97	4.15	0.07	Clear	0.82	0.01	Clear	18.35	0.31	Clear	1.89	0.03	Clear	-	-	-	25.21	0.42	pig out, pumped down	926.34	
17-Jun-97	4.10	0.07	Clear	0.78	0.01	Clear	19.93	0.33	Clear	1.85	0.03	Clear	-	-	-	26.66	0.44	pig out, pumped down	926.40	
24-Jun-97	3.97	0.07	Clear	0.84	0.01	Clear	17.24	0.29	Clear	1.83	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.39	
01-Jul-97	3.93	0.07	Clear	0.69	0.01	Clear	14.72	0.25	Clear	1.73	0.03	Clear	-	-	-	21.07	0.35	pig out, pumped down	926.38	
08-Jul-97	4.05	0.07	Clear	0.72	0.01	Clear	18.07	0.30	Clear	1.88	0.03	Clear	-	-	-	24.72	0.41	pig out, pumped down	926.39	
15-Jul-97	4.11	0.07	Clear	0.88	0.01	Clear	15.38	0.26	Clear	2.24	0.04	Clear	-	-	-	22.61	0.38	pig out, pumped down	926.57	
22-Jul-97	4.06	0.07	Clear	0.91	0.02	Clear	15.83	0.26	Clear	2.05	0.03	Clear	-	-	-	22.85	0.38	pig out, pumped down	926.66	
29-Jul-97	4.40	0.07	Clear	0.85	0.01	Clear	20.48	0.34	Clear	2.11	0.04	Clear	-	-	-	27.84	0.46	pig out, pumped down	926.73	
05-Aug-97	4.13	0.07	Clear	0.79	0.01	Clear	18.35	0.31	Clear	1.97	0.03	Clear	-	-	-	25.24	0.42	pig out, pumped down	926.75	
13-Aug-97	4.12	0.07	Clear	0.78	0.01	Clear	24.19	0.40	Clear	2.02	0.03	Clear	-	-	-	31.11	0.52	pig out, pumped down	926.82	
20-Aug-97	4.13	0.07	Clear	0.76	0.01	Clear	15.95	0.27	Clear	1.80	0.03	Clear	-	-	-	22.64	0.38	pig out, pumped down	926.75	
26-Aug-97	4.62	0.08	Clear	0.76	0.01	Clear	18.75	0.31	Clear	1.92	0.03	Clear	-	-	-	26.05	0.43	pig out, pumped down	926.86	
03-Sep-97	4.48	0.07	Clear	0.76	0.01	Clear	16.95	0.28	Clear	1.76	0.03	Clear	-	-	-	23.95	0.40	pig out, pumped down	926.93	
09-Sep-97	4.57	0.08	Clear	0.75	0.01	Clear	16.04	0.27	Clear	1.81	0.03	Clear	-	-	-	23.17	0.39	pig out, pumped down	926.71	
17-Sep-97	4.62	0.08	Clear	0.77	0.01	Clear	16.71	0.28	Clear	1.78	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.88	
23-Sep-97	4.64	0.08	Clear	0.78	0.01	Clear	17.75	0.30	Clear	1.83	0.03	Clear	-	-	-	25.00	0.42	pig out, pumped down	926.85	
02-Oct-97	4.78	0.08	Clear	0.82	0.01	Clear	16.76	0.28	Clear	1.86	0.03	Clear	-	-	-	24.22	0.40	pig out, pumped down	926.92	0.055
08-Oct-97	4.69	0.08	Clear	0.81	0.01	Clear	16.01	0.27	Clear	1.95	0.03	Clear	-	-	-	23.46	0.39	pig out, pumped down	926.97	0.065
16-Oct-97	5.14	0.09	Clear	1.11	0.02	Clear	17.86	0.30	Clear	2.31	0.04	Clear	-	-	-	26.42	0.44	pig out, pumped down	927.06	0.095
24-Oct-97	5.13	0.09	Clear	0.92	0.02	Clear	16.23	0.27	Clear	1.98	0.03	Clear	-	-	-	24.26	0.40	pig out, pumped down	927.23	0.095
05-Nov-97	5.51	0.09	Clear	1.20	0.02	Clear	17.70	0.30	Clear	2.39	0.04	Clear	-	-	-	26.80	0.45	pig out, pumped down	927.51	Frozen
13-Nov-97	4.90	0.08	Clear	0.65	0.01	Clear	18.58	0.31	Clear	1.87	0.03	Clear	-	-	-	26.00	0.43	pig out, pumped down	927.60	Frozen

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

MAIN EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

B:\ENG\DATA\[illegible]\Geotechnical\Weekly Piezo Readings\FD-[illegible]

Note: The elevation for the top of the casing for Ground Water Well GW96-9 is approximately 916.78 m. The ground elevation is 915.18 m.

October 6, 1999

SAMPLING DATE	FD-1			FD-2			FD-3			FD-4			FD-5			Total Flow Rate			Pond El (m)	GW96-9 (GW Well)
	Flow Rate			Flow Rate			Flow Rate			Flow Rate			Flow Rate							Elev. Above Top of Casing of well 9 (m)
Date	FD1(l/min)	(l/sec)	Comments	FD2(l/min)	(l/sec)	Comments	FD3(l/min)	(l/sec)	Comments	FD4(l/min)	(l/sec)	Comments	FD5(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments	Pond Elev.	
24-Nov-97	4.62	0.08	Clear	0.48	0.01	Clear	19.39	0.30	Clear	1.79	0.03	Tr Cloudy	-	-	-	24.85	0.40	[illegible]	927.63	Frozen
28-Nov-97	4.14	0.07	Clear	0.77	0.01	Clear	18.18	0.30	Clear	1.85	0.03	Clear	-	-	-	24.94	0.42	pig out, pumped down	927.65	Frozen
04-Dec-97	4.03	0.07	Clear	0.85	0.01	Clear	17.67	0.29	Clear	1.78	0.03	Clear	-	-	-	24.33	0.41	pig out, pumped down	927.75	Frozen
02-Jan-98	3.81	0.06	Clear	0.74	0.01	Clear	16.30	0.27	Clear	1.73	0.03	Clear	-	-	-	22.58	0.38	pig out, pumped down	928.10	Frozen
14-Jan-98	3.85	0.06	Clear	0.80	0.01	Clear	16.57	0.28	Clear	1.77	0.03	Clear	-	-	-	22.99	0.38	pig out, needs pumping	928.25	Frozen
21-Jan-98	3.57	0.06	Clear	0.74	0.01	Clear	16.42	0.27	Clear	1.82	0.03	Clear	-	-	-	22.55	0.38	pig out, needs pumping	928.30	Frozen
08-Apr-98	3.84	0.06	Clear	0.67	0.01	Clear	15.54	0.26	Clear	1.52	0.03	Clear	-		-	21.57	0.36	pig out, pond pumped down	929.70	-
17-Apr-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	929.85	-
25-May-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	930.10	
02-Jun-98	3.52	0.06	Clear	0.78	0.01	Clear	15.58	0.26	Clear	1.42	0.02	Clear	6.80	0.11	Clear	28.10	0.47	pig out, pond pumped down	930.36	-
10-Jun-98	3.83	0.06	Clear	0.79	0.01	Clear	14.60	0.24	Clear	1.44	0.02	Clear	7.51	0.13	Clear	28.17	0.47	pig out, pond pumped down	930.39	-
16-Jun-98	3.77	0.06	Clear	0.78	0.01	Clear	16.35	0.27	Clear	1.41	0.02	Clear	7.93	0.13	Clear	30.24	0.50	pig out, pond pumped down	930.42	-
03-Jul-98	3.89	0.06	Clear	0.76	0.01	Clear	16.14	0.27	Clear	2.37	0.04	Clear	12.53	0.21	Clear	35.69	0.59	FD-5 is spilling onto FD-4 providing higher values than normal	930.45	
07-Jul-98	3.71	0.06	Clear	0.72	0.01	Clear	16.03	0.27	Clear	2.22	0.04	Clear	9.66	0.16	Clear	32.34	0.54	negative value is below top of casing	930.50	-0.135
24-Jul-98	3.53	0.06	Clear	0.72	0.01	Clear	15.75	0.26	Clear	1.96	0.03	Clear	8.70	0.15	Clear	30.66	0.51	-	930.58	0.28
12-Aug-98	3.46	0.06	Clear	0.62	0.01	Clear	15.96	0.27	Clear	1.90	0.03	Clear	7.30	0.12	Clear	29.24	0.49	-	930.61	0.33
19-Aug-98	3.17	0.05	Clear	0.56	0.01	Clear	15.83	0.26	Clear	2.26	0.04	Clear	8.08	0.13	Clear	29.90	0.50	-	930.64	-
10-Sep-98	3.60	0.06	Clear	0.57	0.01	Clear	16.35	0.27	Clear	2.03	0.03	Clear	8.02	0.13	Clear	30.57	0.51	-	930.70	-
17-Sep-98	3.53	0.06	Clear	0.63	0.01	Clear	16.42	0.27	Clear	2.20	0.04	Clear	8.52	0.14	Clear	31.30	0.52	-	930.73	-
24-Sep-98	3.62	0.06	Clear	0.64	0.01	Clear	15.64	0.26	Clear	2.06	0.03	Clear	7.77	0.13	Clear	29.73	0.50	-	930.77	-
07-Oct-98	3.72	0.06	Clear	1.06	0.02	Clear	14.22	0.24	Clear	2.36	0.04	Clear	13.39	0.22	Clear	34.74	0.58	positive value is above top of casing	930.81	0.18
15-Oct-98	3.82	0.06	Clear	1.10	0.02	Clear	14.53	0.24	Clear	2.56	0.04	Clear	15.83	0.26	Clear	37.84	0.63	-	930.87	
21-Oct-98	3.94	0.07	Clear	1.12	0.02	Clear	15.35	0.26	Clear	2.95	0.05	Clear	18.46	0.31	Clear	41.82	0.70	-	930.95	
17-Nov-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Sump flooded, needs to be pumped		0.11
27-Nov-98	4.21	0.07	Clear	1.01	0.02	Clear	14.28	0.24	Clear	2.35	0.04	Clear	11.76	0.20	Clear	33.62	0.56		931.35	-0.03
02-Dec-98	4.35	0.07	Clear	0.92	0.02	Clear	14.16	0.24	Clear	2.37	0.04	Clear	11.46	0.19	Clear	33.26	0.55		931.97	-0.03
09-Dec-98	4.34	0.07	Clear	0.79	0.01	Clear	16.56	0.28	Clear	2.01	0.03	Clear	9.78	0.16	Clear	33.49	0.56		931.97	Frozen
16-Dec-98	4.33	0.07	Clear	0.97	0.02	Clear	13.92	0.23	Clear	2.83	0.05	Clear	19.32	0.32	Clear	41.37	0.69		931.97	Frozen
22-Dec-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded, needs to be pumped down	931.99	Frozen
05-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.00	Frozen
12-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.02	Frozen
20-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.03	Frozen
28-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.05	Frozen
09-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.06	Frozen
16-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.07	Frozen
23-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.08	Frozen
18-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	933.08	Frozen
30-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	934.08	Frozen
08-Apr-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	935.08	Frozen
29-Sep-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		26.40	0.44	Clear	#N/A	#N/A	FD-5 above sump water surface	935.34	

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

PERIMETER EMBANKMENT SEEPAGE COLLECTION POND - SUMMARY OF DRAIN FLOW DATA

H:\ENG\DATA\Engdocs\Geotechnical\Weekly Piezo Readings\[FD-mon OD-mon.xls]OD-Mon

October 6, 1999

SAMPLING DATE	OD-4			OD-5			OD-6			Total Flow Rate		
	Flow Rate			Flow Rate			Flow Rate					
Date	OD4(l/min)	(l/sec)	Comments	OD5(l/min)	(l/sec)	Comments	OD6(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments
17-Sep-99	#NA	#NA		#NA	#NA		#NA	#NA		#VALUE!	#######	Drains Flooded
24-Sep-99	60.00	1.00		78.00	1.30		30.00	0.50		168.00	2.80	Flows Estimated
25-Sep-99	72.00	1.20		90.00	1.50		36.00	0.60		198.00	3.30	Flows Estimated
27-Sep-99	60.00	1.00		60.00	1.00		30.00	0.50		150.00	2.50	Flows Estimated
29-Sep-99	42.60	0.71		19.20	0.32		4.92	0.08		66.72	1.11	* Flows Measured *
30-Sep-99	29.40	0.49		15.60	0.26		4.02	0.07		49.02	0.82	"
02-Oct-99	28.80	0.48		15.60	0.26		3.00	0.05		47.40	0.79	"
05-Oct-99	19.80	0.33		12.00	0.20		2.46	0.04		34.26	0.57	"

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY
PERIMETER EMBANKMENT OUTLET DRAIN FLOWS

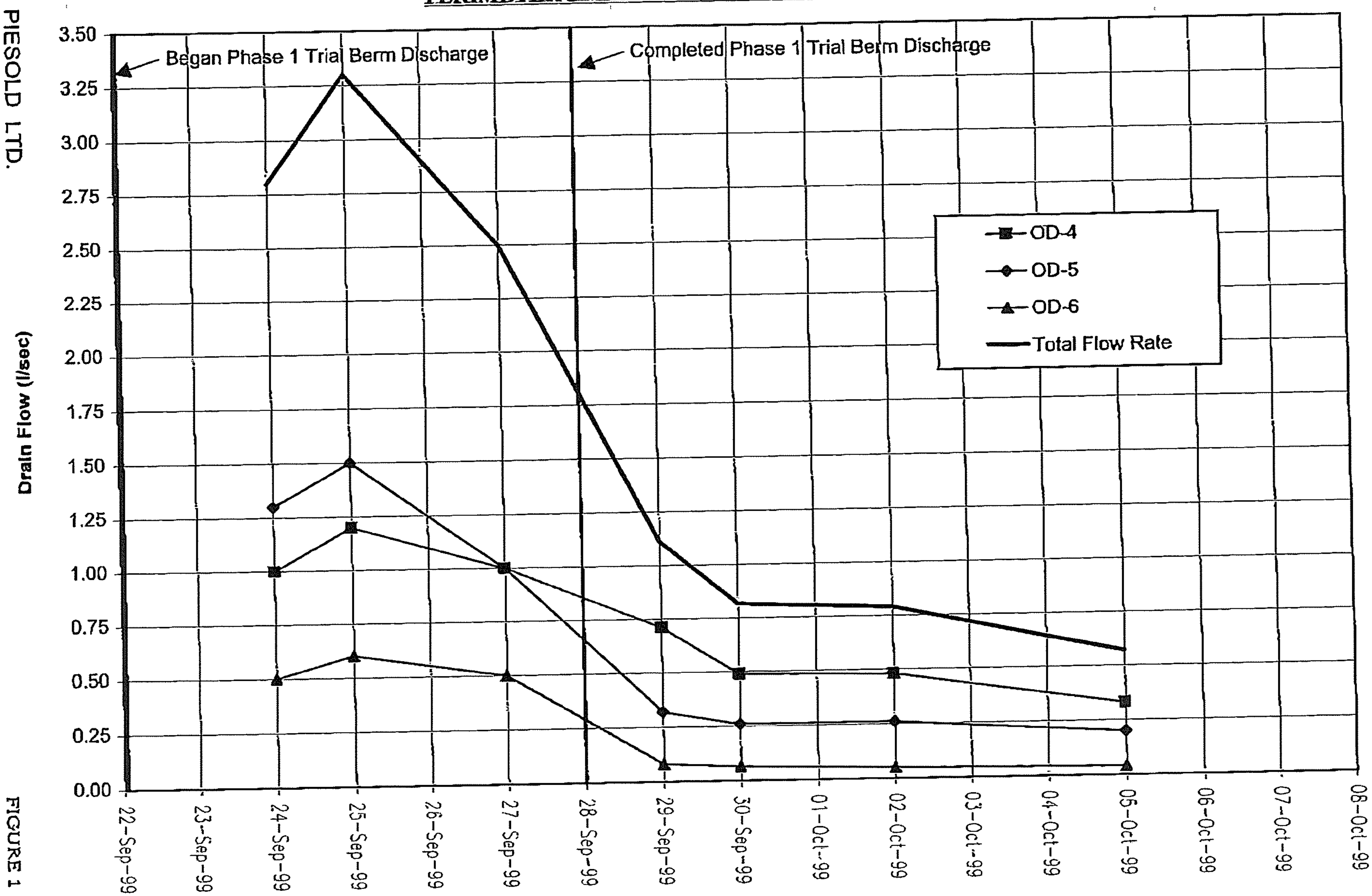

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FIGURE 1

14745-40/MTPO/01

Knight Piésold CONSULTING	**DATE:**	~~27~~ 28-Sept-1999	**FILE NO.:**	11162/10.F05/.F07
Knight Piésold, Mt. Polley Site	**TIME:**		**REF NO.:**	99-020
Fax: (250) 790-2268	**OPERATOR:**		**PAGES:**	1 of 49
Phone: (250) 790-2215	**SENDER:**	Ian Manning	**APPROVED:**	

TO:	Ministry of Energy and Mines, Mines Branch, Victoria, B.C.	**FAX :**	250-952-0481
ATTN:	George Headley		
CC:			
SUBJECT:	Mount Polley Stage 2C Construction Progress Report #2		

Dear Mr. Headley,

Please find attached the Progress Report No. 2 for Stage 2C Construction at the Mount Polley Mine. This document is for the reporting period September 1 to 15, 1999.

If you have any questions or comments, please do not hesitate to contact Ken Brouwer in the KP Vancouver office.

Best Regards,

Ian Manning
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 2
SEPTEMBER 1 to SEPTEMBER 15, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Ian Manning (IBM), Project Engineer (arrived on-site 2-Sept-99)
- Wilson Muir (CWM), Project Engineer (left site 7-Sept-99)
- John Wilkinson (JMTW), Senior Engineer (on-site 13 to 16-Sept-99)
- Leon Gous (LAG), Senior Engineer (on-site 13 to 16-Sept-99)

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1,2 WEATHER

Conditions were generally mixed over the reporting period, with showers occurring on September 1, 4, 5, 6 and 9. The weather was mostly sunny and warm over the rest of the reporting period.

1,3 CONTRACT DEVELOPMENTS

Stage 2C Construction drawings were issued and brought to site by IBM on 2-Sept-99.

MPMC has chosen to initiate construction activities themselves, with equipment acquired from pit operations and various contractors. This work will initially be confined to the areas between the Main and Perimeter embankments. The cost effectiveness of contracting out the remaining work for Stage 2C construction will be considered.

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1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Over the reporting period, tailings underflow (Zone CS) cycloned sand was discharged upstream of the Main and Perimeter Embankment crests. A significant beach continues to be present upstream of the Main Embankment Zone CS. Wind erosion of the cycloned sand was not observed over the reporting period.

On September 9th, cycloning from the upstream Main Embankment crest was stopped, as sufficient material had been discharged for Stage 2C construction. All pipeworks were removed from the Main Embankment crest, and 4 cyclones were repositioned such that all 6 cyclones are spread out along the upstream crest of the Perimeter Embankment. At the end of the reporting period, ponding water still lies against most of the Perimeter Embankment; however, accelerated Zone CS placement in these areas is currently underway to meet future fill placement and freeboard requirements.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

MPMC carried out the following activities during the reporting period:

- Movement and maintenance of the tailings lines and 20" cyclones on the Main and Perimeter Embankments.
- Placement of Zone CS cycloned sand fill along the upstream Main and Perimeter Embankments.
- Maintenance and optimization of cyclones.
- Excavator work began to remove Zone CS cycloned sand from the upstream Stage 2B Zone S contact, in order to remove ponded water and prepare for u/s toe drain and Stage 2C fill placement.
- Development blast-hole drilling along crest of Zone T Rock Borrow.
- Placement of Zone T material from Rock Borrow for haul road upgrades.
- Placement of 1m Zone T lift along the barge channel access road.
- Investigations within Bio-Solids area, with the excavation of four (4) testpits.
- Stripping and grubbing within Borrow Area No. 2.
- Stripping for foundation preparation began along left abutment of Main Embankment and right abutment of Perimeter Embankment.

- Foundation preparation for Zone T haul road widening adjacent to trial downstream cycloned sand berm location. Plane D piezometer leads were wrapped in geotextile fabric, trenched within the foundation area and covered with filter sand for protection. Placement of geotextile fabric within foundation areas was carried out, and commencement of Zone T rockfill placement for haul road widening began during the reporting period.

- Over the reporting period, HDPE pipe with seepage collars arrived on-site, for use within the Stage 2C u/s toe drain outlet pipes.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

- Testpits (4) excavated within Bio-Solids area were logged by CWM, and a Site Memorandum summarizing results of this investigation was issued to the MPMC Environmental Coordinator.

- IBM and Brian Stanga (contract surveyor) performed a survey pick-up of the Bio-Solids area.

- Progress Report No. 1 was issued, for the reporting period August 16 to 31, 1999.

- Vibrating wire piezometers (10) to be installed within the downstream trial cycloned sand berm were calibrated for baseline readings.

- Zone T and Zone S Control samples were collected.

- Laboratory testing was completed for Zone T, Zone S and Borrow Materials Investigation Zone S Control samples.

- A Site Memorandum was issued to Eric LeNeve (MPMC) summarizing results of the 1999 Borrow Area #2 Material Investigations, including borehole logs and laboratory moisture content results.

- During the site visit by JMTW and LAG, several meetings took place to discuss Stage 2C and Stage 3 design and construction issues, as well as to develop a schedule of on-going tasks.

- Copies of all tailings operator data sheets (mill throughput, pipeline pressures, cyclone operation and pulp densities) for the month of August '99 were compiled and sent to the KP Vancouver office.

- A table summarizing vibrating wire piezometer requirements and lead lengths was issued to Eric LeNeve (MPMC).

- Daily summaries of QA/QC and construction activities were submitted to MPMC.
- A foundation acceptance form was issued regarding approval of foundation for Zone T road widening in area of trial downstream cycloned sand berm.
- The centerline location for the downstream trial Zone T berm was laid out by IBM and Brian Stanga (contract surveyor).

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

No new piezometers were installed over this period.

Piezometer readings were taken on September 1, 8 and 15. The following observations are based on the data from the attached piezometric plots.

- Foundation Piezometers
  All foundation piezometers have generally remained static through spring runoff and have not reacted to placement of Zone CS material.
- Fill Piezometers
  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) have increased, likely as a result of Zone CS placement. The remainder of the piezometers placed in the engineered fill have remained relatively static.
- Drain Piezometers
  All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.
- Tailings Piezometers
  Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level quite accurately, while the tailings piezometers at Plane A have reacted to the placement of Zone CS material.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains are flooded and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in order to continue monitoring of the foundation drain flows.

MPMC has constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels. The Outlet Drains will discharge into the Zone T fill during Stage 3 Construction.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) has not been monitored this season due to a break in the pipe. The pipe will be repaired in the near future and readings will recommence.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

All bi-weekly composite cycloned sand underflow, overflow and mill feed tailings samples are tested by MPMC personnel.

Three (3) Control samples of Zone T material from the Rock Borrow, and one (1) Control Zone S sample from Borrow Area #2 were collected and tested during the reporting period. As shown on the attached summary plots, these materials were found to meet applicable gradation specifications for Zone T and S materials. Laboratory compaction testing of sample C/ZS-1 resulted in a corrected maximum dry density of 2015 kg/m^3 and an optimum moisture content of 11.2%.

A total of fifty-one (51) control samples were collected from the Borrow Area 2 Materials Investigations. Of these, twenty-eight (28) samples were tested in the laboratory for moisture content and gradation. As shown on the attached summary plots, these results indicate that all samples meet the requirements for Zone S and B till materials. Results of this testwork will be incorporated into geological sections of Borrow Area #2. If appropriate, select samples will be tested for Atterburg limits and Hydrometer analyses.

Bi-weekly composite samples of overflow and underflow were collected from each cyclone. In addition, bi-weekly composite sampling of the mill feed was carried out. Control and record testing carried out to date is summarized on the attached plots.

Knight Piésold
CONSULTING

Submitted by,

Ian Manning
Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE T CONTROL TEST SUMMARY SHEET

A:\[C-ZT-SUM.xls]scrnm table 24-Sep-99

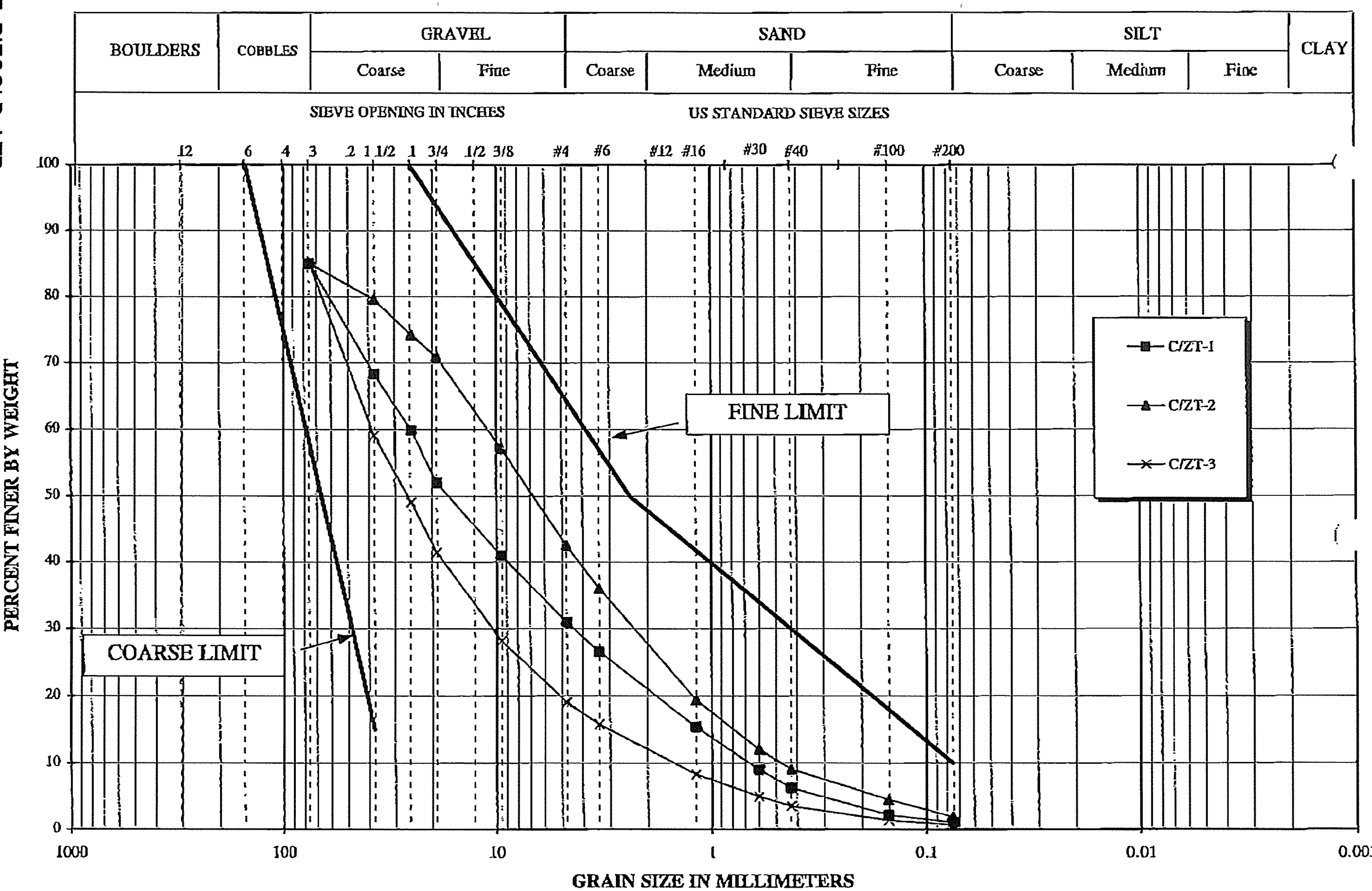
Date Sampled	Sample No.	Location	Elev. (m)	C2	C3 (Particle Size Distribution)											
				Field	75	37.5	25	19.0	9.5	4 75	3.35	1.180	0.600	0.425	0.150	0.075
				m/c	Seive Sizes											
				%	3	1 1/2	1	3/4	3/8	#4	#6	#16	#30	#40	#100	#200
03-Sep-99	C/ZT-1	Rock Borrow	-	-	85.0	68.3	59.9	52.0	40.9	30.9	26.6	15.4	9.0	6.3	2.1	1.1
03-Sep-99	C/ZT-2	Rock Borrow	-	-	85.0	79.6	74.2	70.9	57.2	42.5	36.0	19.4	12.0	9.1	4.5	1.9
03-Sep-99	C/ZT-3	Rock Borrow	-	-	85.0	59.1	49.1	41.4	28.2	19.1	15.8	8.3	5.0	3.5	1.4	0.7
			MEAN	#DIV/0!	85.0	69.0	61.1	54.8	42.1	30.8	26.1	14.4	8.7	6.3	2.7	1.2
			MEDIAN	#NUM!	85.0	68.3	59.9	52.0	40.9	30.9	26.6	15.4	9 0	6.3	2.1	1.1
			MAXIMUM	0.0	85.0	79.6	74.2	70.9	57.2	42.5	36.0	19.4	12.0	9.1	4.5	1.9
			MINIMUM	0.0	85.0	59.1	49.1	41.4	28.2	19.1	15.8	8.3	5.0	3.5	1.4	0.7

Notes:

C2 Moisture Content (ASTM D2216)

C3 Particle Size Distribution (ASTM D422)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE T CONTROL SAMPLES - GRADATION CURVES



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STAGE 2C CONSTRUCTION
ZONE S CONTROL TEST SUMMARY SHEET

A:\(C-2S-S1/24.xls)Summary Table 24-Sep-99

				C1			C2	C3 (Particle Size Distribution)														C4		C6
Date Sampled	Sample No.	Location	Elev. (m)	Atterberg Limits			Lab m/c	152.4	76.2	38.1	25.4	19.05	9.525	4.7498	3.3528	1.19126	0.594	0.4191	0.150	0.07366	0.001999	Standard Proctor		Specific Gravity
				PL	LL	PI		6	3	1.5	1	0.7500	0.3750	0.1870	0.1320	0.0469	0.0234	0.0165	0.0059	0.0029	########	Max Dry Density kg/m³	Optimum m/c %	
				%	%	%	%	6	3	1 1/2	1	3/4	3/8	#4	#6	#16	#30	#40	#100	#200	Clay			
03-Sep-99	C/ZS-1	Borrow Area 2, Exc. Face						100.0	100.0	100.0	100.0	98.7	93.0	86.1	83.8	78.2	74.1	71.4	61.1	52.8		2015	11.2	
			MEAN	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100.0	100.0	100.0	100.0	98.7	93.0	86.1	83.8	78.2	74.1	71.4	61.1	52.8	#DIV/0!	2015	11.2	#DIV/0!
			MEDIAN	#NUM!	#NUM!	#NUM!	#NUM!	100.0	100.0	100.0	100.0	98.7	93.0	86.1	83.8	78.2	74.1	71.4	61.1	52.8	#NUM!	2015	11.2	#NUM!
			MAXIMUM	0.0	0.0	0.0	0.0	100.0	100.0	100.0	100.0	98.7	93.0	86.1	83.8	78.2	74.1	71.4	61.1	52.8	0.0	2015	11.2	0.00
			MINIMUM	0.0	0.0	0.0	0.0	100.0	100.0	100.0	100.0	98.7	93.0	86.1	83.8	78.2	74.1	71.4	61.1	52.8	0.0	2015	11.2	0.00

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

C1 Atterberg Limits (ASTM D4318)
C2 Moisture Content (ASTM D2216)
C3 Particle Size Distribution (ASTM D422)
C4 Laboratory Compaction (ASTM D1557)
C6 Specific Gravity (ASTM D854)

m:\1\1832\2\report\2\C-zs-scm\Fig A3-2

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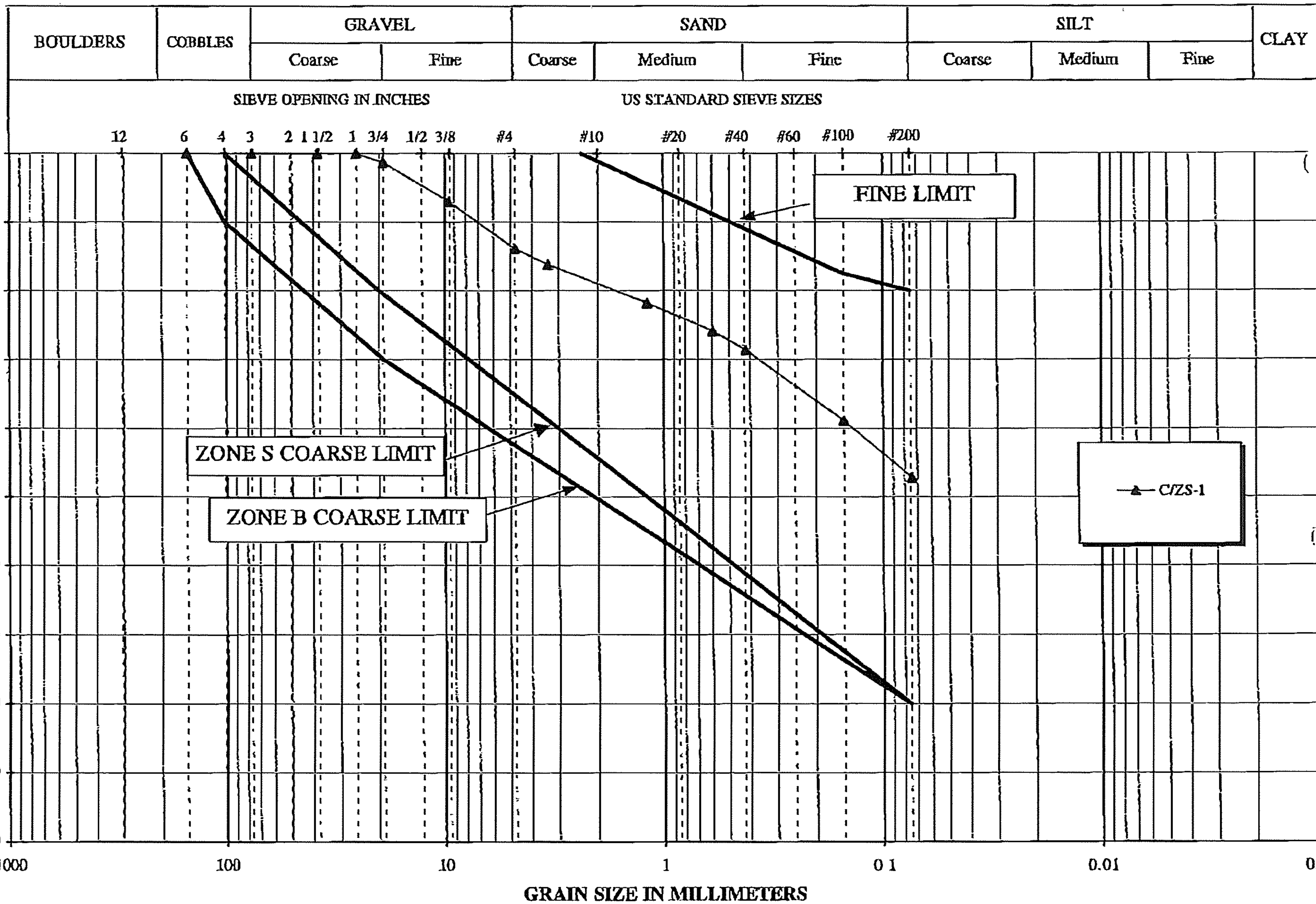
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE S CONTROL SAMPLES - GRADATION CURVES



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A3-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION - BORROW AREA 2 MATERIAL INVESTIGATIONS
ZONE S CONTROL TEST SUMMARY SHEET

A:\IO-8A\Z6-SUM.xls\Summary Table 24-Sep-99

Date Sampled	Sample No.	Location	Elev. (m)	C1 Atterberg Limits PL %	LL %	PI %	C2 Lab m/c %	C3 (Particle Size Distribution) 152.4 / 6 / 6	76.2 / 3 / 3	38.1 / 1.5 / 1 1/2	25.4 / 1 / 1	19.05 / 0.7500 / 3/4	9.525 / 0.3750 / 3/8	4.7498 / 0.1870 / #4	3.3528 / 0.1320 / #6	1.1913 / 0.0469 / #16	0.594 / 0.0234 / #30	0.4191 / 0.0165 / #40	0.150 / 0.0059 / #100	0.0737 / 0.0029 / #200	0.001999 / 0.0000787 / Clay
24-Aug-99	DH99-139D	Borrow Area 2, 20 ft Depth					10.5	100.0	100.0	100.0	100.0	98.4	87.1	77.4	74.4	65.5	60.7	57.8	47.3	39.8	
24-Aug-99	DH99-140C	Borrow Area 2, 15 ft Depth					10.7	100.0	100.0	100.0	95.5	93.3	91.3	87.0	85.5	80.2	76.3	73.9	64.1	53.8	
24-Aug-99	DH99-140D	Borrow Area 2, 20 ft Depth					9.2	100.0	100.0	100.0	100.0	100.0	94.3	86.3	84.1	77.3	72.7	69.6	57.6	47.4	
24-Aug-99	DH99-140B	Borrow Area 2, 25 ft Depth					8.1	100.0	100.0	100.0	90.5	81.0	69.7	63.4	62.1	56.0	52.1	49.6	40.5	33.1	
24-Aug-99	DH99-141B	Borrow Area 2, 10 ft Depth					11.9	100.0	100.0	100.0	100.0	100.0	96.9	94.4	92.9	89.9	85.7	81.8	61.7	42.6	
24-Aug-99	DH99-141C	Borrow Area 2, 15 ft Depth					10.0	100.0	100.0	100.0	100.0	98.3	96.0	93.6	91.9	86.4	82.1	78.9	65.9	52.1	
24-Aug-99	DH99-141D	Borrow Area 2, 20 ft Depth					8.6	100.0	100.0	100.0	100.0	96.6	79.9	67.0	65.0	60.2	57.1	54.8	45.4	35.7	
25-Aug-99	DH99-142A	Borrow Area 2, 20 ft Depth					11.4	100.0	100.0	100.0	100.0	100.0	97.7	94.4	93.5	88.7	84.1	80.7	67.4	53.1	
26-Aug-99	DH99-142B	Borrow Area 2, 30 ft Depth					8.8	100.0	100.0	100.0	97.7	93.7	82.2	72.4	70.2	64.2	60.9	57.7	48.8	41.3	
25-Aug-99	DH99-143A	Borrow Area 2, 5 ft Depth					12.1	100.0	100.0	100.0	100.0	100.0	98.0	94.8	93.0	86.8	81.6	77.3	64.5	50.1	
26-Aug-99	DH99-144A	Borrow Area 2, 10 ft Depth					12.1	100.0	100.0	100.0	100.0	100.0	96.9	94.3	93.6	89.6	85.4	83.6	71.2	54.9	
25-Aug-99	DH99-145A	Borrow Area 2, 15 ft Depth					12.6	100.0	100.0	100.0	100.0	99.5	95.4	86.0	84.0	78.4	66.9	59.5	41.7	28.2	
25-Aug-99	DH99-146A	Borrow Area 2, 20 ft Depth					10.7	100.0	100.0	96.3	93.3	92.0	87.7	84.5	83.5	70.5	76.3	73.9	64.0	48.6	
25-Aug-99	DH99-148A	Borrow Area 2, 20 ft Depth					12.5	100.0	100.0	100.0	100.0	100.0	98.6	95.9	95.0	90.3	87.1	84.3	73.9	57.7	
26-Aug-99	DH99-149A	Borrow Area 2, 10 ft Depth					11.2	100.0	100.0	100.0	100.0	100.0	98.1	94.7	93.6	88.4	82.4	77.6	57.2	43.1	
26-Aug-99	DH99-149B	Borrow Area 2, 20 ft Depth					9.9	100.0	100.0	100.0	100.0	100.0	95.6	90.2	88.0	80.6	74.6	70.4	54.2	39.8	
27-Aug-99	DH99-150A	Borrow Area 2, 5 ft Depth					11.2	100.0	100.0	100.0	98.2	95.6	91.0	86.6	84.8	70.0	75.8	72.7	59.7	46.4	
27-Aug-99	DH99-150B	Borrow Area 2, 15 ft Depth					15.0	100.0	100.0	100.0	100.0	100.0	98.6	95.5	94.0	88.0	82.8	77.9	61.5	49.5	
26-Aug-99	DH99-151A	Borrow Area 2, 5 ft Depth					12.6	100.0	100.0	95.0	95.0	93.7	88.3	82.6	80.1	73.3	68.0	65.9	54.4	44.6	
26-Aug-99	DH99-151B	Borrow Area 2, 20 ft Depth					13.7	100.0	100.0	100.0	100.0	100.0	97.4	92.2	90.9	86.0	82.4	79.8	67.5	54.2	
26-Aug-99	DH99-152A	Borrow Area 2, 15 ft Depth					12.3	100.0	100.0	100.0	97.3	96.1	90.9	86.8	84.7	77.3	70.9	66.7	52.0	40.9	
26-Aug-99	DH99-153A	Borrow Area 2, 10 ft Depth					10.7	100.0	100.0	100.0	98.1	94.7	86.3	77.5	74.3	65.0	60.2	55.9	43.5	34.7	
29-Aug-99	DH99-154A	Borrow Area 2, 15 ft Depth					15.0	100.0	100.0	100.0	92.2	80.6	82.2	77.8	76.6	71.3	67.1	63.7	52.2	42.7	
29-Aug-99	DH99-154B	Borrow Area 2, 25 ft Depth					11.6	100.0	100.0	100.0	99.0	97.7	90.4	85.8	84.2	79.1	74.9	71.3	59.9	46.7	
29-Aug-99	DH99-154C	Borrow Area 2, 35 ft Depth					12.6	100.0	100.0	100.0	100.0	93.2	97.1	95.4	94.2	89.7	83.3	81.9	68.2	57.0	
29-Aug-99	DH99-156A	Borrow Area 2, 10 ft Depth					15.1	100.0	100.0	95.3	95.3	91.0	87.9	81.6	79.3	72.3	68.2	65.3	55.5	47.1	
27-Aug-99	DH99-157A	Borrow Area 2, 20 ft Depth					10.4	100.0	100.0	100.0	100.0	97.6	89.5	81.8	80.0	74.1	69.9	67.0	56.0	45.6	
30-Aug-99	DH99-158A	Borrow Area 2, 10 ft Depth					13.4	100.0	100.0	100.0	100.0	99.5	95.8	93.0	91.5	86.5	82.9	79.9	68.5	54.9	
			MEAN	######	######	######	11.6	100.0	100.0	99.5	98.3	96.7	91.4	86.2	84.5	78.8	74.1	70.7	58.0	45.9	#DIV/0!
			MEDIAN	#NUM!	#NUM!	#NUM!	11.5	100.0	100.0	100.0	100.0	98.2	92.8	86.7	84.8	79.7	75.4	72.0	58.7	46.5	#NUM!
			MAXIMUM	0.0	0.0	0.0	15.1	100.0	100.0	100.0	100.0	100.0	98.6	95.9	95.0	90.5	87.1	84.3	73.9	57.7	0.0
			MINIMUM	0.0	0.0	0.0	8.1	100.0	100.0	95.0	90.5	81.0	69.7	63.4	62.1	56.0	52.1	49.6	40.5	28.2	0.0

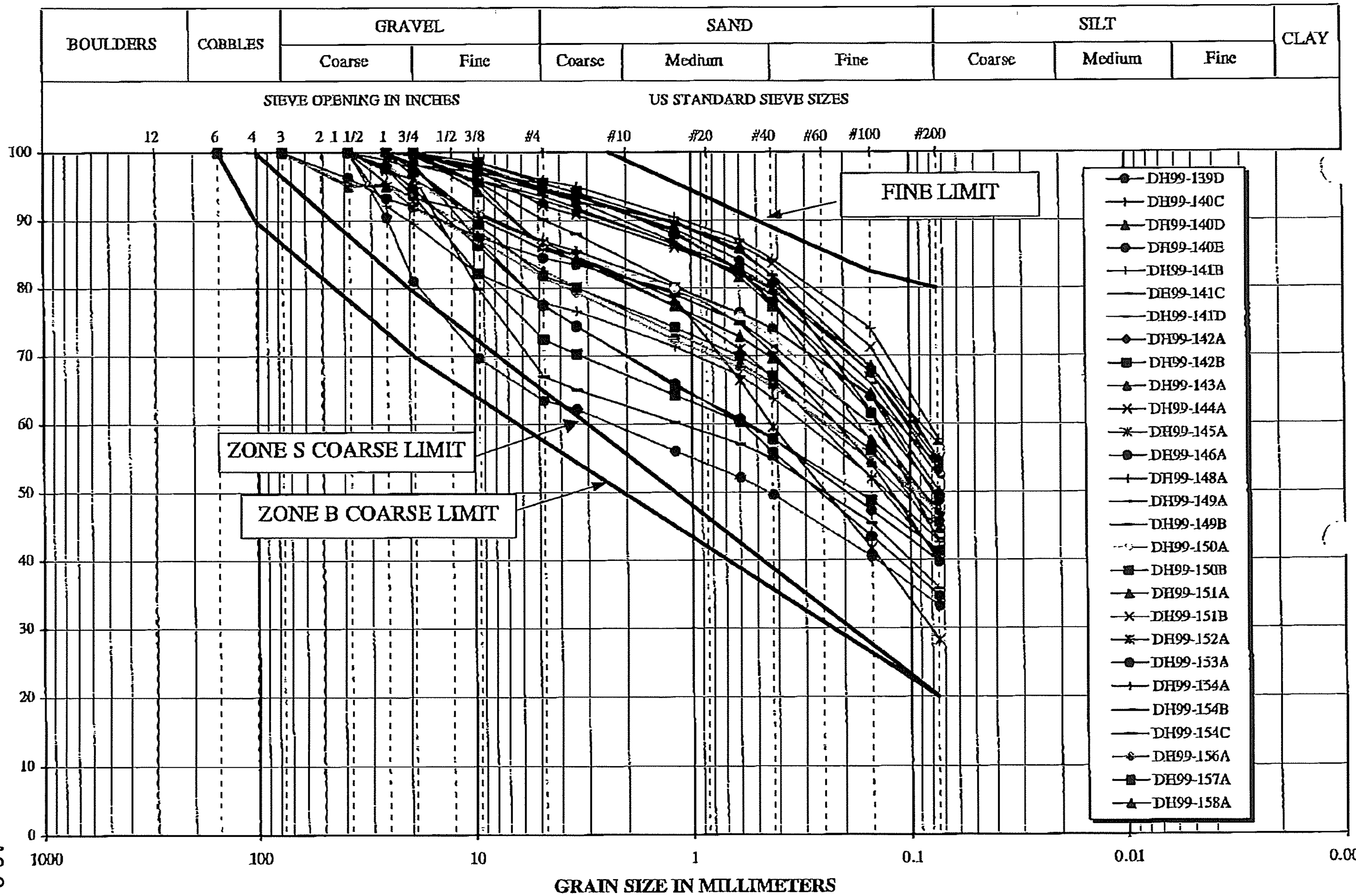
Notes:

C1 Atterberg Limits (ASTM D4318)

C2 Moisture Content (ASTM D2216)

C3 Particle Size Distribution (ASTM D422) m:\1\18302\report\2\C-BA2ZS-SUM\Fig A3-2 24Aug99 12:02 PM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - BORROW AREA 2 MATERIAL INVESTIGATIONS
ZONE S CONTROL SAMPLES - GRADATION CURVES



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A3-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 1 UNDERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING — **1999 CONTROL SAMPLE TESTS - SUMMARY SHEET**

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-1 UNDERFLOW TAILINGS SAMPLES

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 1116310
AREA : Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution												Hydrometer				
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400					
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #1	99.9	99.9	99.48	99.00	97.60	92.00	75.60	52.40	36.60	27.10	16.30	14.20	-	-	-	-	-
May 12- 17, 1999	Cyclone #1		100.0	99.50	98.90	96.80	89.50	73.20	53.90	38.50	29.00	16.5	14.3	-	-	-	-	-
May 18- 26, 1999	Cyclone #1			100.0	99.9	99.4	96.6	88.3	68.8	43.2	27.3	17.2	13.5	-	-	-	-	-
May 27- 30, 1999	Cyclone #1		100.0	99.9	99.6	98.2	92.2	75.5	54.6	36.8	23.9	15.6	12.7	-	-	-	-	-
May 31- June 2, 1999	Cyclone #1			100.0	99.9	99.6	98.3	91.4	72.5	50.8	37.1	28.5	25.5	-	-	-	-	-
June 4,1999	Cyclone #1		100.0	99.8	99.2	95.8	91.7	77.4	54.1	35.9	24.4	15.9	12.9	-	-	-	-	-
June 6,1999	Cyclone #1		100.0	99.9	99.6	98.3	95.3	84.9	62.0	40.4	26.5	16.4	13.1	-	-	-	-	-
June15,1999	Cyclone #1		100.0	99.4	99.0	98.1	95.7	86.8	63.5	39.6	27.1	15.3	13.3	-	-	-	-	-
June 16-20, 1999	Cyclone #1		100.0	99.8	99.5	98.5	94.3	81.7	55.8	38.8	27.6	17.0	14.2	-	-	-	-	-
June 23,1999	Cyclone #1			100.0	99.8	99.3	97.7	88.8	65.8	49.0	32.7	19.1	15.4	-	-	-	-	-
June 28,1999	Cyclone #1		100.0	99.5	98.8	96.8	90.9	73.6	50.7	35.4	26.7	15.9	13.7	-	-	-	-	-
July 3,1999	Cyclone #1		100.0	99.4	98.7	97.1	93.7	83.4	59.8	37.6	27.1	16.3	14.2	-	-	-	-	-
July 6,1999	Cyclone #1		100.0	99.8	99.5	98.3	94.7	83.5	60.8	39.6	28.5	17.0	15.0	-	-	-	-	-
July 8-11, 1999	Cyclone #1		100.0	99.7	99.4	97.0	90.8	74.3	50.6	33.1	23.4	12.8	11.1	-	-	-	-	-
July 15,1999	Cyclone #1		100.0	99.7	99.2	94.6	82.0	61.0	42.6	30.4	21.3	13.7	12.0	-	-	-	-	
July 22,1999	Cyclone #1		100.0	99.9	99.8	99.1	96.1	84.9	60.8	39.9	28.3	20.6	13.1	-	-	-	-	-
July 25,1999	Cyclone #1		100.0	99.6	99.1	97.9	94.1	82.5	59.2	41.9	30.7	19.1	14.3	-	-	-	-	-
July 29,1999	Cyclone #1		100.0	99.8	99.7	98.3	93.9	81.6	60.4	43.6	31.6	19.4	15.4	-	-	-	-	-
August 1,1999	Cyclone #1		100.0	99.9	99.7	98.2	92.7	78.0	55.4	42.4	31.5	19.8	17.6	-	-	-	-	-
August 5,1999	Cyclone #1			100.0	99.9	99.5	99.0	89.6	75.1	56.5	41.0	23.2	17.5	-	-	-	-	-
August 8,1999	Cyclone #1			100.0	99.9	99.0	93.8	79.4	55.8	38.0	27.9	18.1	14.8	-	-	-	-	-
August 12,1999	Cyclone #1			100.0	99.9	99.2	97.9	83.4	60.2	41.5	29.7	18.0	14.2	-	-	-	-	-
August 16,1999	Cyclone #1				100.0	99.4	95.2	79.6	59.6	42.9	31.7	21.3	16.9	-	-	-	-	-
August 18,1999	Cyclone #1		100.0	99.9	99.8	99.3	95.9	84.7	67.2	46.4	32.6	18.2	15.6	-	-	-	-	-
August 23,1999	Cyclone #1			100.0	99.9	99.2	94.9	77.8	55.5	36.8	26.0	14.1	12.0	-	-	-	-	-
August30,1999	Cyclone #1			100.0	99.8	98.3	91.9	74.6	54.5	38.0	27.5	15.8	13.8					
September2,1999	Cyclone #1			100.0	99.9	98.1	90.9	70.8	50.1	34.4	24.9	15.1	13.3					
	MEDIAN	99.9	100.0	99.9	99.7	98.3	94.1	81.6	59.2	39.6	27.6	17.0	14.2	-	-	-	-	-
	MAXIMUM	99.9	100.0	100.0	100.0	99.6	99.0	91.4	75.1	56.5	41.0	28.5	25.5	-	-	-	-	-
	MINIMUM	99.9	99.9	99.4	98.7	94.6	82.0	61.0	42.6	30.4	21.3	12.8	11.1	-	-	-	-	-

Notes: 1) These are 100% limits.

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-1 UNDERFLOW TAILINGS SAMPLES

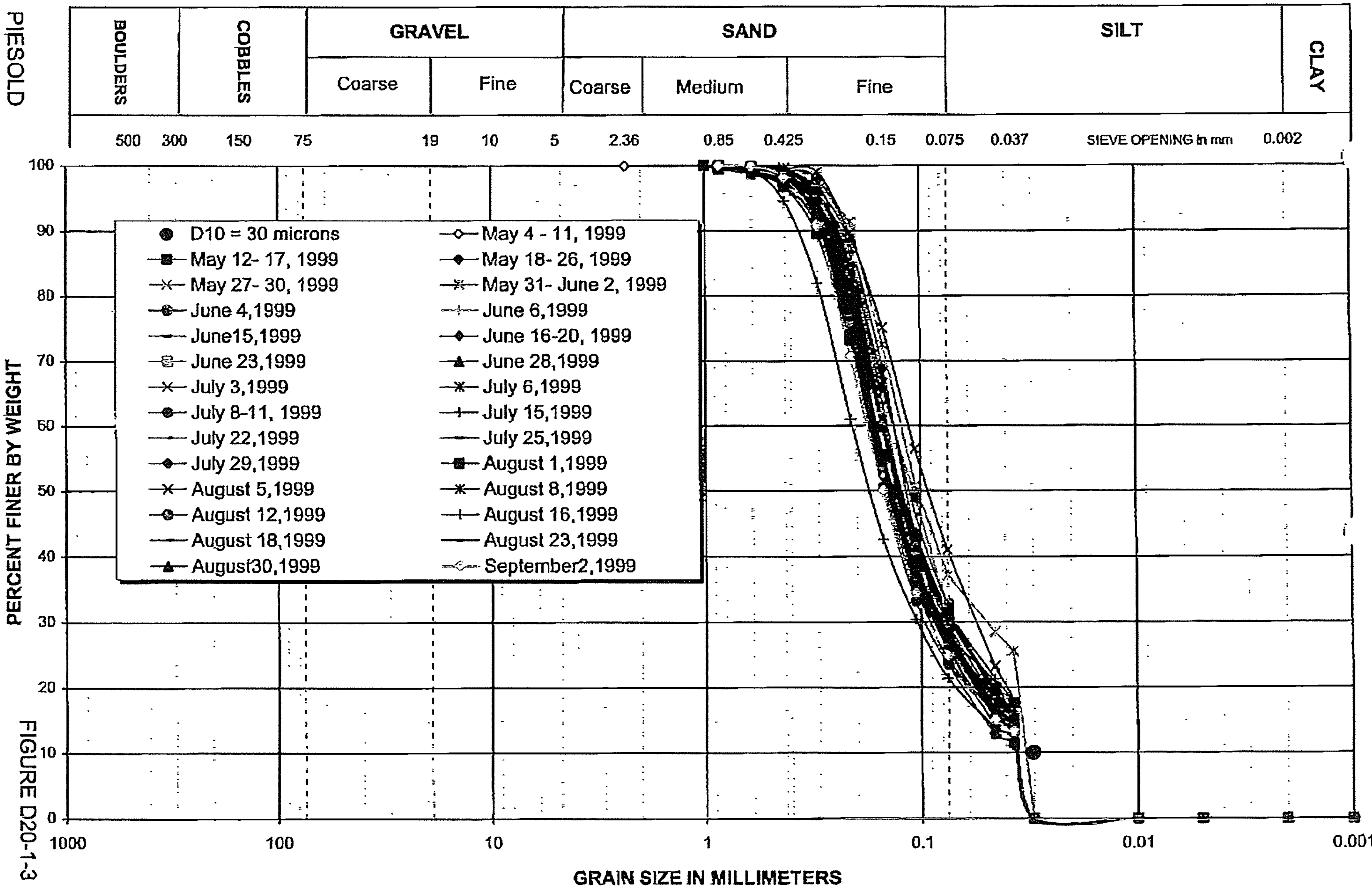


FIGURE D20-1-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 2 UNDERFLOW GRADATIONS

JN/A

Knight Piesold CONSULTING	1999 CONTROL SAMPLE TESTS - SUMMARY SHEET	SHEET :	1 of 1
		PERIOD :	31-Aug-99
PROJECT :	MOUNT POLLEY - CYCLONE TAILINGS ANALYSES	PROJECT #:	11162/10
MATERIAL :	D20-2 UNDERFLOW TAILINGS SAMPLES	AREA :	Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution												Hydrometer				
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400					
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
May 4 - 11, 1999	Cyclone #2			100.00	99.90	99.30	96.30	84.00	58.80	39.00	26.40	16.60	14.40	-	-	-	-	-
May 12 - 17, 1999	Cyclone #2		100.0	99.80	99.50	99.10	98.00	92.90	75.30	47.00	26.60	16.1	12.4	-	-	-	-	-
May 18 - 26, 1999	Cyclone #2		100.0	99.3	98.3	95.1	86.1	67.8	44.7	28.5	19.3	12.8	10.4	-	-	-	-	-
May 27 - 30, 1999	Cyclone #2		100.0	100.0	99.7	98.9	93.5	80.0	51.3	36.4	26.1	14.9	13.1	-	-	-	-	-
May 31 - June 2, 1999	Cyclone #2		100.0	99.1	98.3	95.5	88.9	72.9	50.4	33.6	22.4	14.2	11.1	-	-	-	-	-
June 4, 1999	Cyclone #2		100.0	98.1	96.6	93.1	87.3	73.6	50.5	33.8	24.1	16.8	14.3	-	-	-	-	-
June 5, 1999	Cyclone #2		100.0	99.3	98.3	94.1	84.2	64.9	44.8	32.0	23.6	16.4	13.8	-	-	-	-	-
June 7, 1999	Cyclone #2		100.0	98.9	97.8	95.6	89.1	75.1	48.6	35.0	22.9	15.7	12.9	-	-	-	-	-
June 8, 1999	Cyclone #2		100.0	99.3	98.5	95.7	93.4	79.4	55.9	37.5	27.3	16.1	13.6	-	-	-	-	-
June 14 - 16, 1999	Cyclone #2		100.0	98.3	98.1	94.6	85.9	68.6	49.2	35.0	26.3	16.2	14.2	-	-	-	-	-
June 15, 1999	Cyclone #2		100.0	98.1	96.8	93.5	85.7	69.5	47.8	31.6	22.5	14.1	12.7	-	-	-	-	-
June 16-20, 1999	Cyclone #2		100.0	98.7	97.4	95.4	89.9	77.9	55.5	38.8	26.9	16.4	13.7	-	-	-	-	-
June 23, 1999	Cyclone #2		100.0	98.7	97.3	94.0	88.3	71.3	45.8	32.5	22.4	14.1	11.6	-	-	-	-	-
June 28, 1999	Cyclone #2		100.0	98.7	97.6	94.6	86.4	66.5	45.7	31.9	23.8	14.0	12.2	-	-	-	-	-
July 3, 1999	Cyclone #2			100.0	99.9	99.6	97.2	88.3	71.3	52.9	39.4	22.9	19.5	-	-	-	-	-
July 5, 1999	Cyclone #2		100.0	98.9	97.6	92.6	82.5	66.0	50.5	39.2	31.9	23.7	22.1	-	-	-	-	-
July 6, 1999	Cyclone #2		100.0	99.1	98.4	96.4	91.8	77.3	52.9	35.1	25.4	15.1	13.5	-	-	-	-	-
July 15, 1999	Cyclone #2		100.0	99.9	99.7	97.4	90.0	73.3	55.3	41.0	27.7	16.9	14.8	-	-	-	-	-
July 19, 1999	Cyclone #2		100.0	99.9	99.7	98.7	93.4	76.3	53.0	38.1	27.7	21.7	13.6	-	-	-	-	-
July 22, 1999	Cyclone #2			100.0	99.9	99.3	96.3	83.3	58.5	40.2	29.2	20.2	13.6	-	-	-	-	-
July 25, 1999	Cyclone #2		100.0	99.6	99.2	98.2	97.0	81.3	58.8	44.6	31.7	20.3	18.3	-	-	-	-	-
August 1, 1999	Cyclone #2		100.0	99.7	99.2	96.8	91.4	78.9	57.8	44.5	32.5	19.9	17.5	-	-	-	-	-
August 5, 1999	Cyclone #2		100.0	99.7	98.3	95.7	86.8	71.5	53.2	40.6	29.2	20.1	15.8	-	-	-	-	-
August 8, 1999	Cyclone #2			100.0	99.8	97.8	88.5	68.4	46.9	32.3	23.8	15.5	12.7	-	-	-	-	-
August 12, 1999	Cyclone #2		100.0	99.9	99.7	98.0	92.3	73.6	51.8	36.7	27.1	17.3	14.3	-	-	-	-	-
August 16, 1999	Cyclone #2			100.0	99.9	98.9	93.1	74.7	55.4	39.4	28.4	20.5	14.6	-	-	-	-	-
August 18, 1999	Cyclone #2		100.0	99.9	99.6	97.0	87.6	65.9	47.5	33.9	25.0	13.0	13.1	-	-	-	-	-
August 23, 1999	Cyclone #2		100.0	99.9	99.7	97.8	90.3	69.6	49.8	34.7	25.4	14.7	12.7	-	-	-	-	-
August 30, 1999	Cyclone #2		100.0	99.8	99.5	97.9	90.4	70.0	50.6	35.5	25.8	14.7	12.8					
September 5, 1999	Cyclone #2			100.0	99.8	98.8	93.7	73.5	52.2	37.6	28.7	18.0	16.0					
September 12, 1999	Cyclone #2				100.0	99.4	94.2	79.6	51.9	38.4	28.2	19.5	16.8					
	MEDIAN	#NUM!	100.0	99.7	99.2	97.0	90.3	73.6	51.8	36.7	26.4	16.4	13.6	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.6	98.0	92.9	75.3	52.9	39.4	23.7	22.1	-	-	-	-	-
	MINIMUM	0.0	100.0	98.1	96.6	92.6	82.5	64.9	44.7	28.5	19.3	12.8	10.4	-	-	-	-	-

Notes: 1) These are 100% limits.

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-2 UNDERFLOW TAILINGS SAMPLES

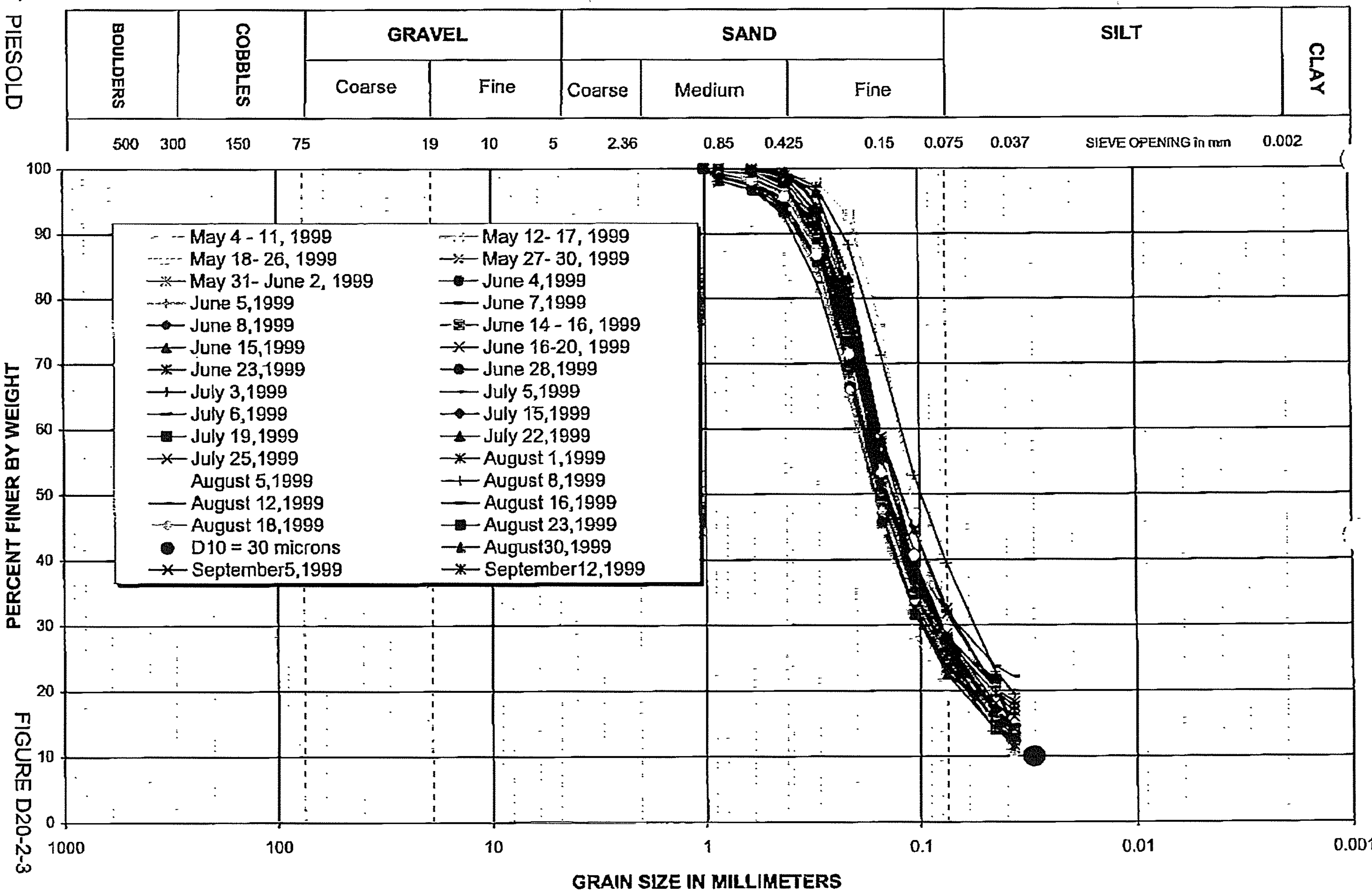


FIGURE D20-2-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 3 UNDERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

PROJECT :	MOUNT POLLEY - CYCLONE TAILINGS ANALYSES	SHEET :	1 of 1
		PERIOD :	31-Aug-99
		PROJECT #:	11162/10
MATERIAL :	D20-3 UNDERFLOW TAILINGS SAMPLES	AREA :	Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #3	98.2	98.2	97.65	97.15	95.95	91.95	77.65	52.35	34.95	23.75	14.75	14.50	-	-	-	-	-
May 12 - 17, 1999	Cyclone #3	99.9	99.9	99.90	99.90	99.70	98.30	90.70	70.00	49.10	33.40	20.9	16.2	-	-	-	-	-
May 27 - 30, 1999	Cyclone #3		100.0	100.0	99.7	98.9	93.5	80.0	51.3	36.4	26.1	14.9	13.1	-	-	-	-	-
June 5,1999	Cyclone #3		100.0	99.6	99.1	97.3	92.0	76.1	53.1	37.3	26.8	18.3	15.5	-	-	-	-	-
June 6,1999	Cyclone #3		100.0	99.9	99.5	98.1	94.4	83.4	59.4	39.5	27.6	18.7	15.7	-	-	-	-	-
June 7,1999	Cyclone #3		100.0	99.8	99.5	98.2	91.9	75.0	46.8	32.9	21.1	13.7	11.1	-	-	-	-	-
June 14-16, 1999	Cyclone #3		100.0	99.8	99.3	96.6	88.1	70.1	49.5	35.2	26.2	15.9	13.9	-	-	-	-	-
June 15,1999	Cyclone #3		100.0	99.5	99.1	97.5	91.5	73.8	51.0	36.7	29.0	20.6	19.4	-	-	-	-	-
June 16-20,1999	Cyclone #3		100.0	99.0	97.9	95.8	90.4	76.8	51.8	36.7	25.8	15.7	13.0	-	-	-	-	-
June 23,1999	Cyclone #3		100.0	99.6	99.3	97.3	93.1	78.1	55.8	39.8	30.1	19.2	17.0	-	-	-	-	-
July 3,1999	Cyclone #3		100.0	99.3	98.5	96.0	88.3	70.3	46.6	31.8	24.2	14.6	12.7	-	-	-	-	-
July 5,1999	Cyclone #3		100.0	99.0	97.1	90.7	76.1	56.1	38.4	26.9	20.4	12.4	11.0	-	-	-	-	-
July 6,1999	Cyclone #3		100.0	99.2	98.8	97.4	93.8	81.8	58.9	38.7	28.0	16.6	14.6	-	-	-	-	-
July 15,1999	Cyclone #3		100.0	98.4	97.1	94.2	88.1	72.9	51.2	36.2	25.6	16.8	14.9	-	-	-	-	-
July 19,1999	Cyclone #3		100.0	99.3	98.9	97.3	93.1	82.0	61.9	44.1	32.2	24.1	17.3	-	-	-	-	
July 22,1999	Cyclone #3		100.0	99.6	99.4	98.7	97.0	88.9	67.0	44.7	31.9	25.4	15.3	-	-	-	-	-
July 25,1999	Cyclone #3		100.0	99.4	98.7	97.4	94.7	85.7	60.4	43.3	31.7	20.9	16.0	-	-	-	-	-
August 1,1999	Cyclone #3		100.0	99.1	98.2	95.2	88.3	73.1	51.8	39.8	29.9	19.4	17.4	-	-	-	-	-
August 5,1999	Cyclone #3		100.0	99.9	99.7	99.0	95.3	83.8	60.7	45.4	32.8	21.4	16.9	-	-	-	-	-
August 8,1999	Cyclone #3		100.0	99.6	99.1	96.6	89.5	74.0	51.3	34.9	25.9	16.4	13.4	-	-	-	-	-
August 12,1999	Cyclone #3		100.0	99.9	99.8	99.2	95.8	82.3	61.2	41.9	30.0	21.4	15.3	-	-	-	-	-
August 16,1999	Cyclone #3			100.0	99.9	98.5	92.7	75.3	55.6	39.8	29.6	20.5	16.9	-	-	-	-	-
August 18,1999	Cyclone #3			100.0	99.8	98.7	95.1	76.4	51.1	34.2	24.4	15.3	12.8	-	-	-	-	-
September2,1999	Cyclone #3		100.0	99.9	99.7	98.1	92.1	74.8	54.1	37.1	26.4	15.4	13.5					
September5,1999	Cyclone #3		100.0	99.9	99.7	99.0	92.8	76.6	51.6	37.5	25.9	16.2	13.6					
September12,1999	Cyclone #3			100.0	99.9	99.2	94.8	82.7	56.7	41.5	29.2	19.3	16.3					
	MEDIAN	99.0	100.0	99.6	99.3	97.4	92.7	76.7	52.7	37.4	27.2	17.5	15.1	-	-	-	-	-
	MAXIMUM	99.9	100.0	100.0	99.9	99.7	98.3	90.7	70.0	49.1	33.4	25.4	19.4	-	-	-	-	-
	MINIMUM	98.2	98.2	97.7	97.1	90.7	76.1	56.1	38.4	26.9	20.4	12.4	11.0	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-3 Summary Sheet: Under Plot Date: 21/09/99 Time Plotted: 9:17 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-3 UNDERFLOW TAILINGS SAMPLES

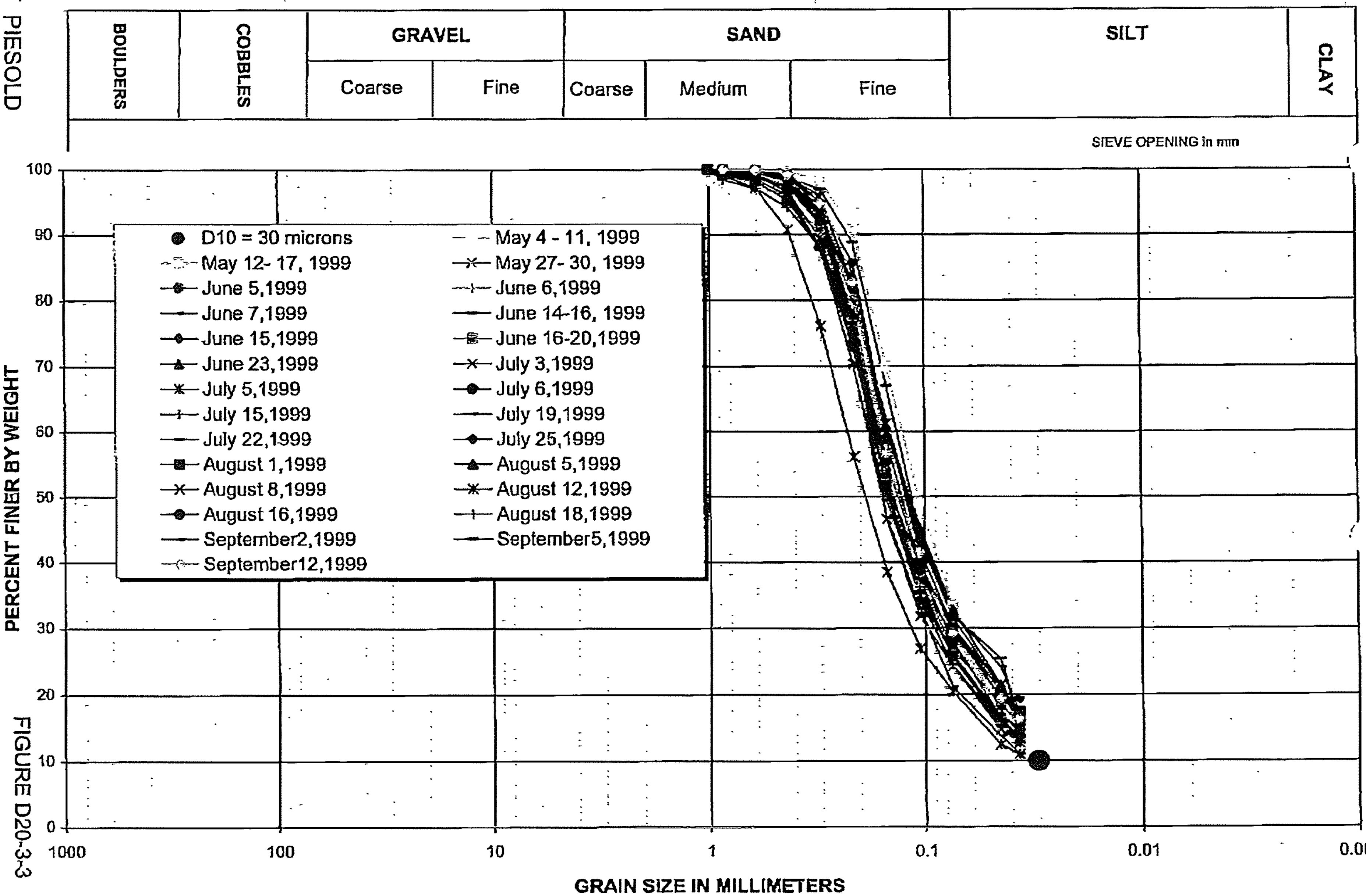


FIGURE D20-3-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 4 UNDERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-4 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%						
May 4 - 11, 1999	Cyclone #4				100.00	99.70	98.10	89.70	67.30	44.30	28.50	16.10	13.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #4		100.0	98.60	97.80	95.50	88.40	70.20	49.30	34.00	25.20	14.4	12.3	-	-	-	-	-
May 27- 30, 1999	Cyclone #4		100.0	99.7	99.2	97.8	94.0	77.0	52.6	34.2	23.0	15.1	12.4	-	-	-	-	-
May 31- June 2, 1999	Cyclone #4		100.0	99.9	99.7	98.9	95.5	84.7	62.5	39.5	24.2	13.5	9.5	-	-	-	-	-
June 6,1999	Cyclone #4		100.0	98.7	97.6	94.7	90.5	77.7	53.6	35.4	23.8	15.1	12.2	-	-	-	-	-
June 8,1999	Cyclone #4		100.0	99.9	99.8	99.4	96.4	84.7	52.7	38.6	24.2	15.6	12.2	-	-	-	-	-
June 15,1999	Cyclone #4			100.0	99.9	99.2	95.3	80.2	52.4	33.2	23.8	14.4	13.0	-	-	-	-	-
June 16-20, 1999	Cyclone #4		100.0	99.7	99.2	98.0	94.4	83.4	55.8	40.4	28.9	17.5	14.9	-	-	-	-	-
June 23,1999	Cyclone #4		100.0	98.8	98.3	96.5	92.0	74.3	46.9	34.0	23.9	15.5	12.7	-	-	-	-	-
July 3,1999	Cyclone #4		100.0	98.8	98.1	96.6	93.2	82.8	58.0	37.4	26.7	14.9	12.8	-	-	-	-	-
July 5,1999	Cyclone #4		100.0	99.9	99.6	97.6	89.8	71.3	48.5	32.1	22.8	12.6	10.6	-	-	-	-	-
July 6,1999	Cyclone #4		100.0	99.8	99.6	98.4	93.9	78.6	54.0	36.3	26.0	14.5	12.6	-	-	-	-	-
July 8-11, 1999	Cyclone #4		100.0	99.5	99.0	96.9	91.5	75.7	50.4	32.9	23.2	12.9	11.8	-	-	-	-	-
July 15,1999	Cyclone #4		100.0	99.9	99.4	96.3	89.3	73.7	52.7	38.8	28.4	19.3	17.4	-	-	-	-	-
July 19,1999	Cyclone #4		100.0	96.3	95.8	94.8	92.2	72.4	51.8	38.5	29.3	27.4	15.8	-	-	-	-	
July 22,1999	Cyclone #4		100.0	99.8	99.5	98.7	96.0	84.5	60.5	41.6	30.2	21.9	13.9	-	-	-	-	-
July 25,1999	Cyclone #4		100.0	99.6	99.3	98.6	96.7	87.4	62.1	44.7	30.2	16.0	13.6	-	-	-	-	-
August 1,1999	Cyclone #4		100.0	99.6	99.1	97.1	92.0	79.3	57.0	44.3	32.6	19.8	17.3	-	-	-	-	-
August 5,1999	Cyclone #4		100.0	99.5	98.7	97.4	94.8	87.4	66.6	51.0	35.8	22.7	18.3	-	-	-	-	-
August16,1999	Cyclone #4			100.0	99.8	98.6	92.6	74.2	54.8	39.2	28.5	18.1	14.6	-	-	-	-	-
August18,1999	Cyclone #4		100.0	99.9	99.7	98.3	91.6	70.7	49.8	34.6	25.2	14.9	13.0	-	-	-	-	-
August 23,1999	Cyclone #4		100.0	99.8	99.7	98.4	91.6	71.2	50.5	35.8	26.9	17.1	15.3	-	-	-	-	-
	MEDIAN	#NUM!	100.0	99.7	99.4	97.9	92.9	78.1	53.2	38.0	26.3	15.5	13.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.7	98.1	89.7	67.1	51.0	35.8	27.4	18.3	-	-	-	-	-
	MINIMUM	0.0	100.0	96.3	95.8	94.7	88.4	70.2	46.9	32.1	22.8	12.6	9.5	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-4 Summary Sheet: Under Plot Date: 21/09/99 Time Plotted: 9:20 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-4 UNDERFLOW TAILINGS SAMPLES

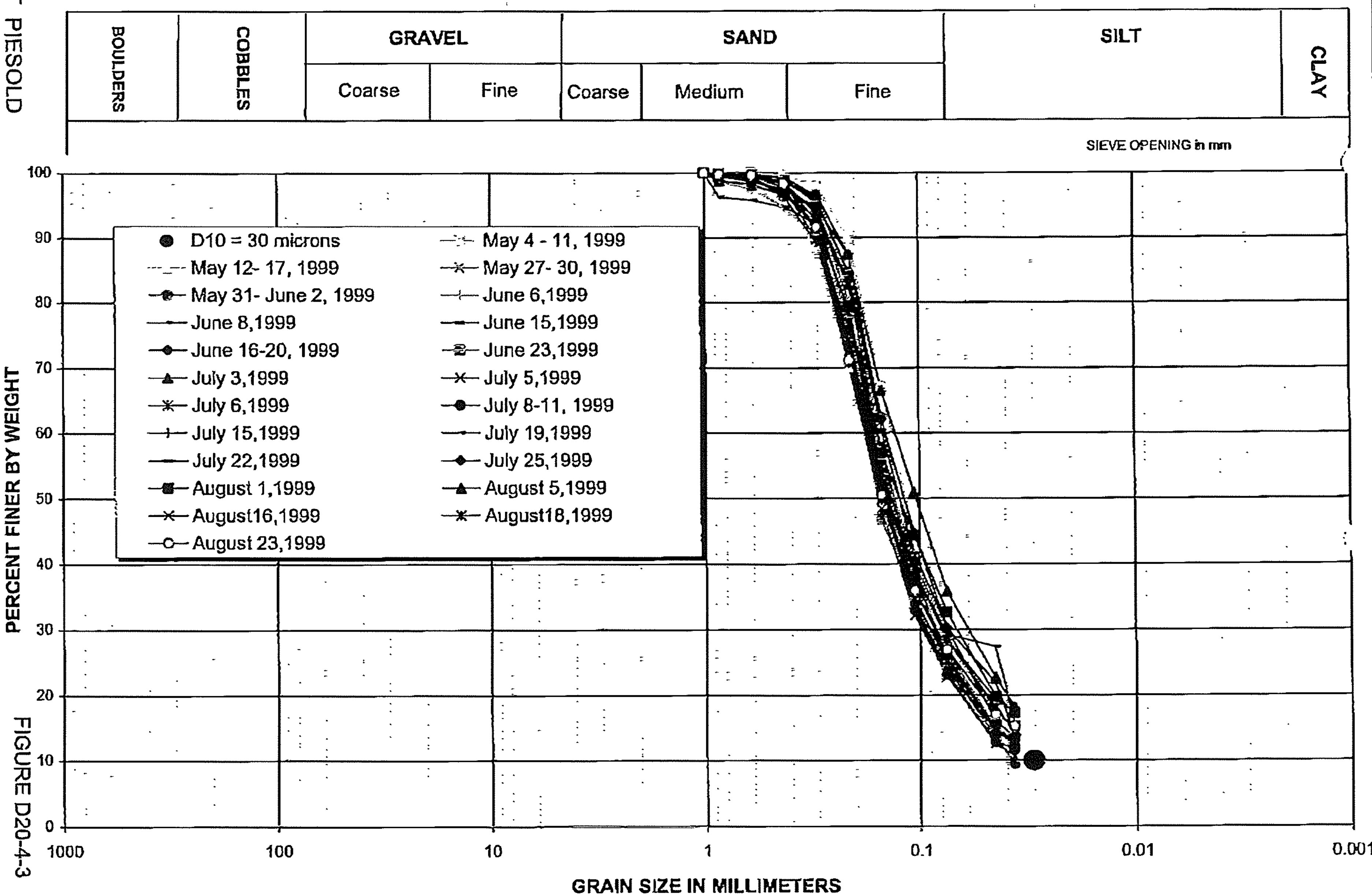


FIGURE D20-4-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 5 UNDERFLOW GRADATIONS

FN/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-5 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	(1
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #5		100.0	99.93	99.68	98.70	94.85	83.58	56.80	41.20	27.53	15.53	13.05	-	-	-	-	-
June 23,1999	Cyclone #5		100.0	99.78	99.15	97.43	93.93	80.50	56.68	43.15	31.60	21.1	17.9	-	-	-	-	-
June28,1999	Cyclone #5		100.0	99.93	99.70	98.35	92.08	74.25	51.90	34.75	24.95	14.3	12.4	-	-	-	-	-
July 3,1999	Cyclone #5		100.0	99.95	99.80	98.95	95.90	85.35	62.10	40.58	28.75	15.7	13.3	-	-	-	-	-
July 5,1999	Cyclone #5		100.0	99.13	98.65	96.90	91.38	76.50	53.83	36.03	25.63	14.1	12.1	-	-	-	-	-
July 6,1999	Cyclone #5		100.0	99.88	99.43	97.30	91.70	76.70	56.80	41.50	31.35	20.1	18.1	-	-	-	-	-
July 8-11, 1999	Cyclone #5		100.0	99.75	99.40	96.65	88.48	68.83	46.55	32.38	23.40	13.63	12.70	-	-	-	-	-
July 15,1999	Cyclone #5		100.0	99.98	99.83	98.33	92.23	74.48	52.83	38.03	27.08	18.1	16.1	-	-	-	-	-
July 22,1999	Cyclone #5		100.0	99.88	99.60	98.58	95.08	81.15	56.03	38.20	28.08	23.6	14.0	-	-	-	-	-
July 25,1999	Cyclone #5		100.0	99.95	99.80	99.18	96.05	83.98	61.08	44.05	33.55	23.0	18.2	-	-	-	-	-
July 29,1999	Cyclone #5		100.0	99.99	99.94	99.18	95.02	81.29	59.80	41.90	32.17	21.6	19.9	-	-	-	-	-
August 1,1999	Cyclone #5		100.0	99.98	99.92	98.83	94.45	81.63	61.07	48.92	36.25	22.7	20.2	-	-	-	-	-
August 8,1999	Cyclone #5		100.0	99.88	99.60	97.78	88.88	69.95	49.03	33.75	24.83	15.4	12.6	-	-	-	-	-
August 16,1999	Cyclone #5				100.0	99.8	96.7	80.7	58.1	39.4	27.9	19.2	14.0	-	-	-	-	-
August 18,1999	Cyclone #5			100.0	99.8	97.8	93.8	76.7	57.6	40.0	29.2	18.8	15.8	-	-	-	-	-
August 23,1999	Cyclone #5		100.0	99.9	99.7	97.0	86.7	65.0	46.7	32.0	22.8	12.3	10.5	-	-	-	-	-
August30,1999	Cyclone #5			100.0	99.8	98.3	90.9	72.0	50.2	35.8	27.1	18.4	15.5					
September5,1999	Cyclone #5		100.0	99.9	99.7	97.6	89.3	70.8	52.6	38.4	29.0	18.3	16.4					
	MEDIAN	#NUM!	100.0	99.9	99.7	98.3	93.0	76.7	56.4	38.9	28.0	18.4	14.7	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.8	96.7	85.4	62.1	48.9	36.3	23.6	20.2	-	-	-	-	-
	MINIMUM	0.0	100.0	99.1	98.7	96.7	86.7	65.0	46.6	32.0	22.8	12.3	10.5	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-5 Summary Sheet: UnderPlot Date: 21/09/99 Time Plotted: 9:20 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-5 UNDERFLOW TAILINGS SAMPLES

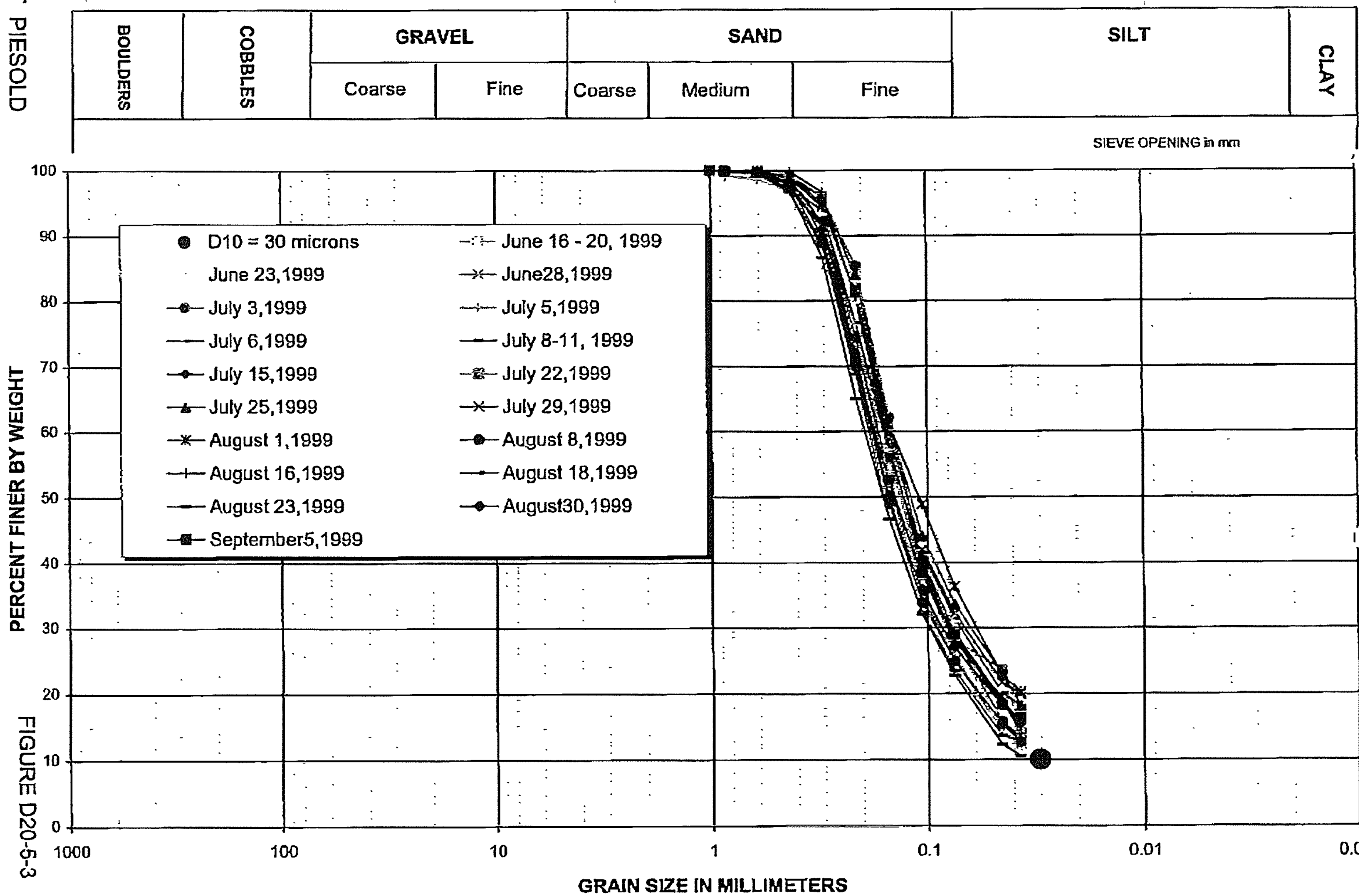


FIGURE D20-5-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 6 UNDERFLOW GRADATIONS

FN/A

Knight Piesold
CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET :	1 of 1
PERIOD :	31-Aug-99
PROJECT #:	11162/10
AREA :	Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES

MATERIAL : D20-6 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0(
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
June 16 - 20, 1999	Cyclone #6		100.0	99.95	99.80	99.40	96.63	85.15	55.75	39.90	27.65	16.00	12.63	-	-	-	-	-
June 23,1999	Cyclone #6		100.0	99.95	99.88	99.70	98.38	90.33	68.33	45.35	31.73	17.4	14.5	-	-	-	-	-
June 28,1999	Cyclone #6		100.0	99.95	99.70	98.30	92.93	78.58	56.25	37.78	27.65	16.2	14.1	-	-	-	-	-
July 3,1999	Cyclone #6			100.00	99.98	99.88	98.90	93.35	74.25	48.00	31.93	16.7	14.0	-	-	-	-	-
July 5,1999	Cyclone #6		100.0	99.98	99.88	99.30	95.25	80.10	55.20	37.48	27.50	15.8	13.8	-	-	-	-	-
July 6,1999	Cyclone #6		100.0	99.95	99.93	99.75	98.33	90.23	68.55	44.43	31.03	17.1	14.6	-	-	-	-	-
July 8-11, 1999	Cyclone #6		100.0	99.93	99.75	98.95	96.65	84.43	61.55	40.78	28.15	19.2	14.1	-	-	-	-	-
July 15,1999	Cyclone #6		100.0	99.98	99.95	99.78	98.20	88.53	62.95	42.63	29.33	19.0	16.5	-	-	-	-	-
July 19,1999	Cyclone #6			100.00	99.95	99.65	98.00	87.83	65.30	45.55	32.73	24.3	17.7	-	-	-	-	-
July 22,1999	Cyclone #6				100.00	99.88	98.85	91.65	68.98	46.10	32.80	20.6	14.9	-	-	-	-	-
July 25,1999	Cyclone #6		100.0	99.88	99.70	99.00	96.25	87.15	63.60	48.65	37.88	26.3	22.4	-	-	-	-	-
August 1,1999	Cyclone #6		100.0	99.90	99.57	97.30	90.72	73.93	51.68	39.77	29.48	18.7	16.5	-	-	-	-	-
August 5,1999	Cyclone #6		100.0	99.9	99.4	98.8	97.9	83.5	66.3	49.6	37.0	22.9	18.3	-	-	-	-	-
August 8,1999	Cyclone #6		100.0	99.9	99.6	97.2	89.0	71.0	48.2	32.8	24.1	15.6	12.9	-	-	-	-	-
August 12,1999	Cyclone #6			100.0	99.9	99.2	94.2	77.2	55.4	38.4	28.0	21.9	15.1	-	-	-	-	-
August 16,1999	Cyclone #6			100.0	99.9	99.2	93.9	76.7	58.0	42.5	31.4	21.7	17.0	-	-	-	-	-
August 23,1999	Cyclone #6		100.0	100.0	100.0	99.9	97.7	85.7	62.8	42.4	30.8	17.9	15.6	-	-	-	-	-
August30,1999	Cyclone #6			100.0	99.9	98.9	94.1	77.6	53.5	36.8	26.9	17.1	13.5					
September2,1999	Cyclone #6			100.0	99.9	98.7	92.3	72.0	51.2	36.3	27.4	18.3	16.7					
September5,1999	Cyclone #6				100.0	99.8	96.6	84.2	56.4	40.5	28.5	18.7	16.0					
	MEDIAN	#NUM!	100.0	100.0	99.9	99.3	96.6	84.3	59.8	41.6	29.4	18.5	15.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.9	98.9	93.4	74.3	49.6	37.9	26.3	22.4	-	-	-	-	-
	MINIMUM	0.0	100.0	99.9	99.4	97.2	89.0	71.0	48.2	32.8	24.1	15.6	12.6	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-6 Summary Sheet: Under Plot Date: 21/09/99 Time Plotted: 9:21 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-6 UNDERFLOW TAILINGS SAMPLES

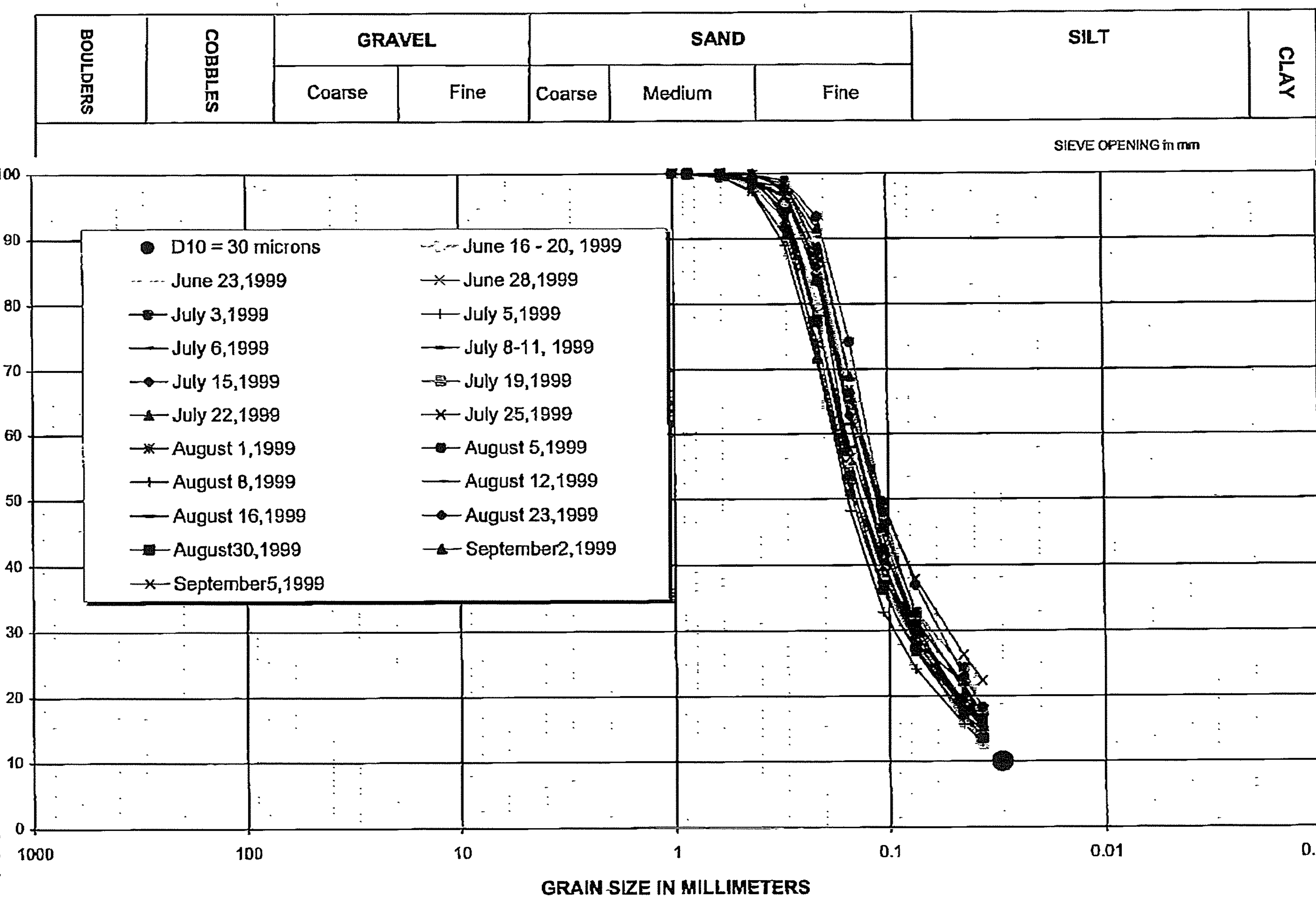


FIGURE D20-6-3

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 1 OVERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-1 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	[illegible]
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #1					100.00	99.70	97.60	91.60	83.00	74.20	64.20	61.30	-	-	-	-	-
May 12 - 17, 1999	Cyclone #1		99.9	95.70	95.10	93.20	89.00	77.90	65.80	52.80	44.00	32.0	29.4	-	-	-	-	-
May 27 - 30, 1999	Cyclone #1			100.0	100.0	99.9	99.9	99.3	96.7	89.4	77.6	63.7	56.8	-	-	-	-	-
June16-20, 1999	Cyclone #1				100.0	99.9	99.7	98.7	93.8	84.1	73.0	56.9	50.9	-	-	-	-	-
June23,1999	Cyclone #1		100.0	99.9	99.7	99.1	98.5	96.2	90.1	82.3	73.3	62.1	57.9	-	-	-	-	-
July3,1999	Cyclone #1						100.0	99.6	96.3	87.8	76.8	58.4	53.4	-	-	-	-	-
July6,1999	Cyclone #1		100.0	99.8	99.8	99.7	99.6	98.9	95.4	85.9	73.4	52.6	47.4	-	-	-	-	-
July8-11, 1999	Cyclone #1		100.0	99.8	99.5	99.5	99.2	97.3	90.8	79.2	67.3	48.1	44.7	-	-	-	-	-
July15,1999	Cyclone #1		100.0	99.9	99.8	99.7	99.0	95.5	86.9	75.4	62.6	48.9	45.2	-	-	-	-	-
September2,1999	Cyclone #1					100.0	99.6	97.0	89.6	77.2	64.8	46.2	41.8					
	MEDIAN		100.0	99.8	99.8	99.7	99.6	97.5	91.2	82.7	73.1	54.8	49.1	-	-	-	-	-
	MAXIMUM		100.0	100.0	100.0	100.0	100.0	99.6	96.7	89.4	77.6	64.2	61.3	-	-	-	-	-
	MINIMUM		99.9	95.7	95.1	93.2	89.0	77.9	65.8	52.8	44.0	32.0	29.4	-	-	-	-	-

Notes: 1) These are 100% fines.

File: d20-1 Summary Sheet: OVER PLOT Date: 21/09/99 Time Plotted: 9:14 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-1 OVERFLOW TAILINGS SAMPLES

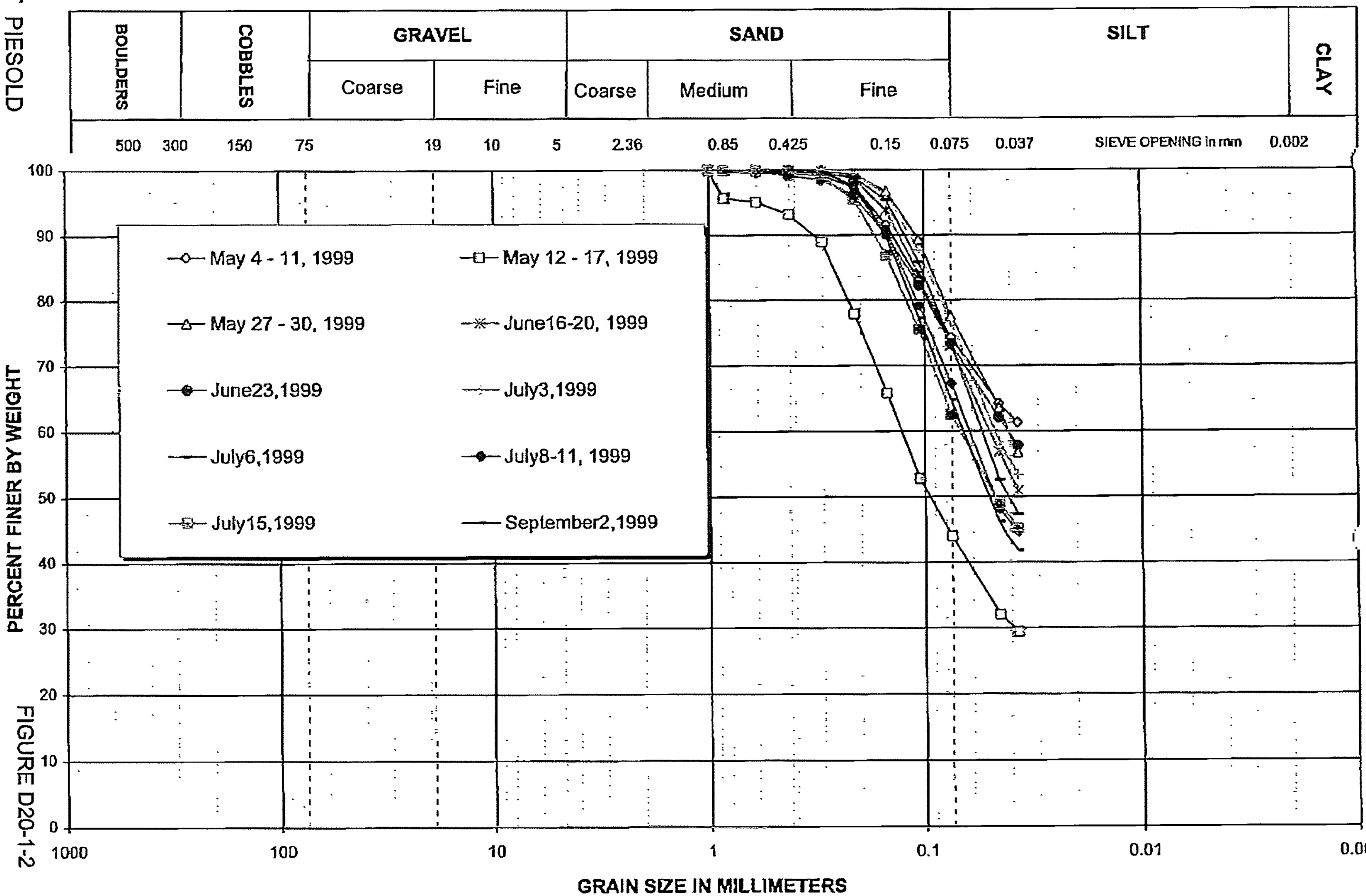


FIGURE D20-1-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 2 OVERFLOW GRADATIONS

FN/A

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT # : 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D10-2 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #2		100.0	99.80	99.50	98.70	96.30	88.20	72.40	59.10	48.70	39.20	36.80	-	-	-	-	-
May 12 - 17, 1999	Cyclone #2			100.00	99.50	97.50	87.90	68.90	50.30	36.20	27.90	17.4	15.3	-	-	-	-	-
May 27 - 30, 1999	Cyclone #2			100.0	99.9	99.8	99.6	98.3	93.1	85.7	77.0	59.1	55.4	-	-	-	-	-
June 16, 1999	Cyclone #2		100.0	99.9	99.7	99.5	98.9	96.0	84.9	73.4	60.3	43.3	39.0	-	-	-	-	-
June 16-20, 1999	Cyclone #2				100.0	99.9	99.6	98.5	93.3	83.3	69.0	56.0	49.8	-	-	-	-	-
July 25, 1999	Cyclone #2				100.0	99.9	99.4	98.2	93.3	83.1	73.0	68.3	50.6	-	-	-	-	-
August 1, 1999	Cyclone #2		100.0	98.8	98.6	98.2	97.5	95.7	90.5	83.5	74.0	60.4	56.1	-	-	-	-	-
August 16, 1999	Cyclone #2		100.0	99.9	99.9	99.8	99.2	94.7	82.1	60.7	41.8	24.5	19.2	-	-	-	-	-
August 30, 1999	Cyclone #2					100.0	99.8	96.7	87.9	75.9	64.7	48.7	40.6					
September 2, 1999	Cyclone #2					100.0	99.9	98.7	93.6	82.9	70.6	50.4	45.7					
	MEDIAN	#NUM!	100.0	99.9	99.8	99.8	99.3	96.3	89.2	79.4	66.9	49.5	43.1	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	99.9	98.7	93.6	85.7	77.0	68.3	56.1	-	-	-	-	-
	MINIMUM	0.0	100.0	98.8	98.6	97.5	87.9	68.9	50.3	36.2	27.9	17.4	15.3	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-2 Summary Sheet: OVER PLOT Date: 21/09/99 Time Plotted: 9:15 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE

GRADATION LIMITS

D20-2 OVERFLOW TAILINGS SAMPLES

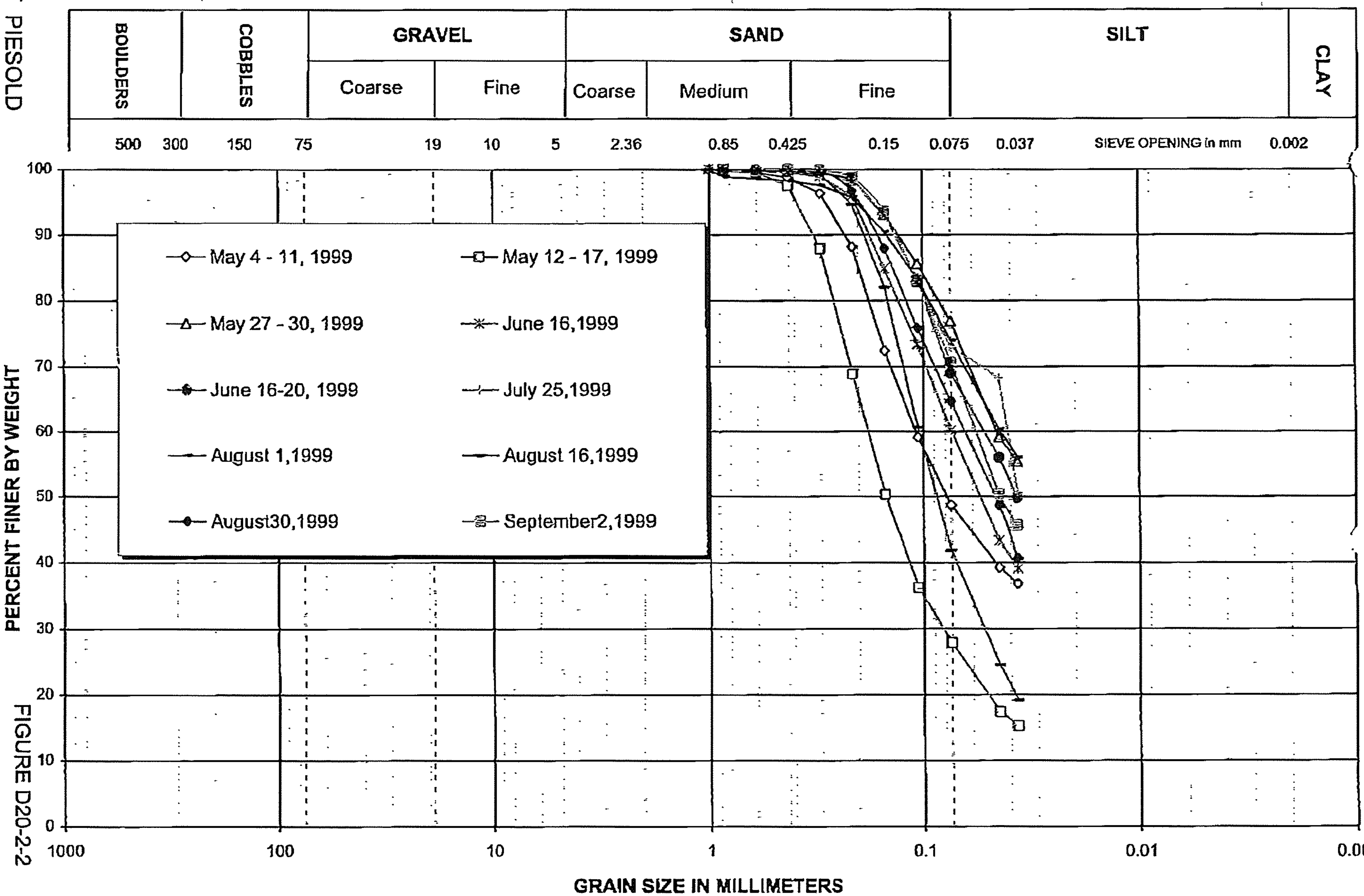


FIGURE D20-2-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 3 OVERFLOW GRADATIONS

FNA

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-3 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
May 4 - 11, 1999	Cyclone #3				100.00	99.90	99.40	97.30	91.60	82.30	70.80	56.40	51.90	-	-	-	-	-
May 12- 17, 1999	Cyclone #3	99.8	99.8	99.00	98.30	96.20	89.00	70.30	46.70	32.30	22.70	15.20	12.40	-	-	-	-	-
June 5,1999	Cyclone #3		100.0	99.7	99.3	97.8	94.2	84.3	67.8	46.5	27.5	16.0	12.4	-	-	-	-	-
June 7,1999	Cyclone #3				100.0	99.8	99.8	96.8	89.2	75.2	60.5	39.6	34.6	-	-	-	-	-
June 8,1999	Cyclone #3			100.0	99.8	98.9	97.0	83.0	56.6	36.2	25.3	13.8	11.5	-	-	-	-	-
June 16-20, 1999	Cyclone #3				100.0	99.9	99.5	98.3	94.6	86.5	73.7	61.2	55.4	-	-	-	-	-
June 23,1999	Cyclone #3		100.0	99.7	99.4	99.0	98.2	95.4	86.8	71.7	57.9	38.2	33.3	-	-	-	-	-
August 1,1999	Cyclone #3			100.0	99.9	99.8	99.1	96.6	88.4	78.9	67.6	53.8	48.8	-	-	-	-	-
August 18,1999	Cyclone #3						100.0	98.3	92.5	81.4	69.7	53.6	48.6	-	-	-	-	-
September2,1999	Cyclone #3					100.0	99.8	98.3	93.4	83.6	72.3	54.1	49.6					
	MEDIAN	99.8	100.0	99.7	99.8	99.8	99.2	96.7	88.8	77.0	64.1	46.6	41.6	-	-	-	-	-
	MAXIMUM	99.8	100.0	100.0	100.0	100.0	100.0	98.3	94.6	86.5	73.7	61.2	55.4	-	-	-	-	-
	MINIMUM	99.8	99.8	99.0	98.3	96.2	89.0	70.3	46.7	32.3	22.7	13.8	11.5	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-3 Summary Sheet: OVER PLOT Date: 21/09/99 Time Plotted: 9:16 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-3 OVERFLOW TAILINGS SAMPLES

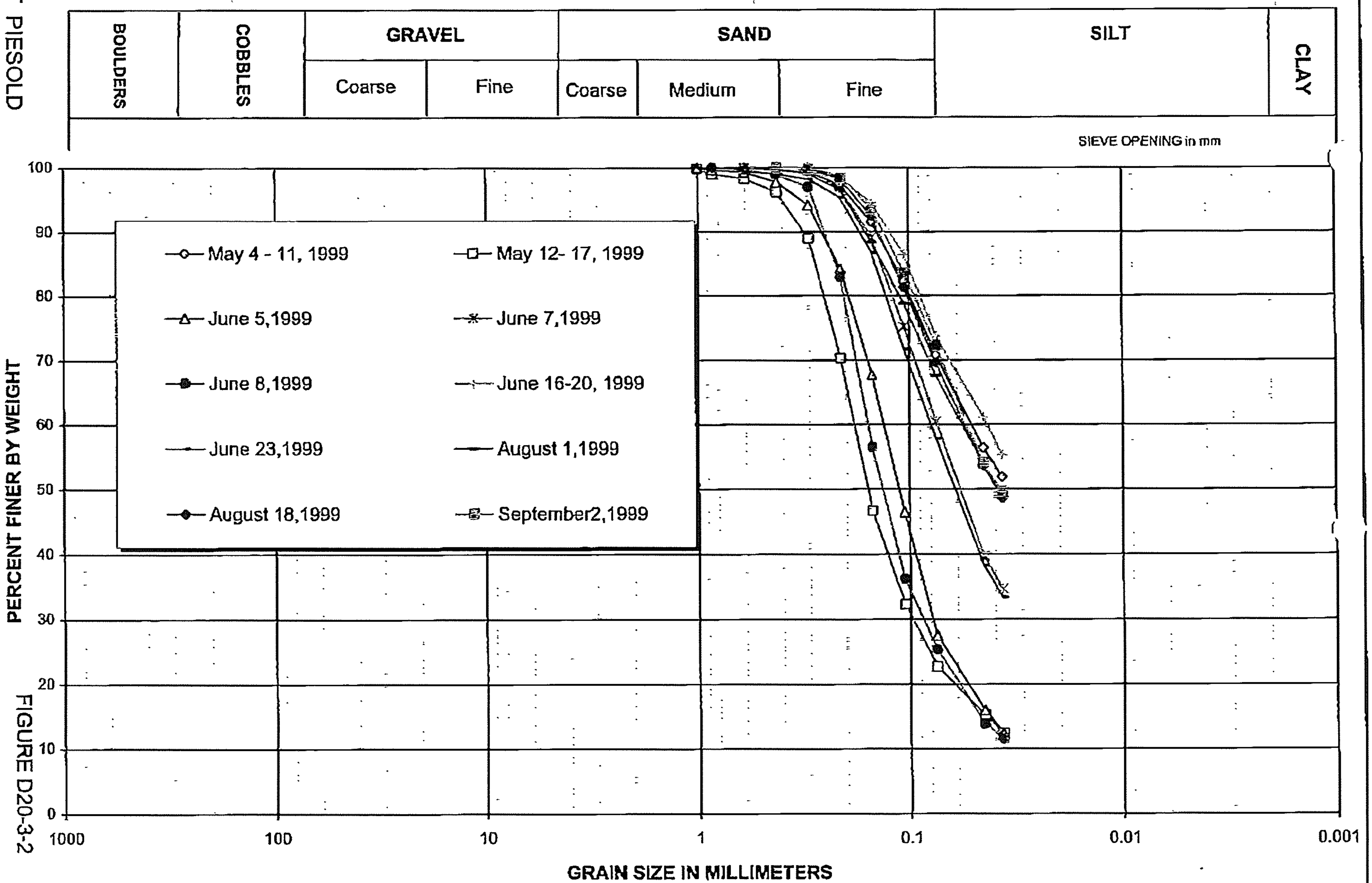


FIGURE D20-3-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 4 OVERFLOW GRADATIONS

#VA

Knight Piesold CONSULTING — **1999 CONTROL SAMPLE TESTS - SUMMARY SHEET**

PROJECT :	MOUNT POLLEY - CYCLONE TAILINGS ANALYSES	SHEET :	1 of 1
MATERIAL :	D20-4 OVERFLOW TAILINGS SAMPLES	PERIOD :	31-Aug-99
		PROJECT #:	11162/10
		AREA :	Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #4			100.00	100.00	99.70	98.10	89.70	67.10	44.30	28.50	16.10	13.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #4		100.0	98.60	97.80	95.50	88.40	70.20	49.30	34.00	25.20	14.40	12.30	-	-	-	-	-
May 27- 30, 1999	Cyclone #4		100.0	99.7	99.2	97.8	94.0	77.0	52.6	34.2	23.0	15.1	12.4	-	-	-	-	-
May 31- June 2, 1999	Cyclone #4		100.0	99.5	99.1	97.6	94.0	84.4	70.8	61.1	55.0	50.5	48.7	-	-	-	-	-
June16-20, 1999	Cyclone #4				100.0	99.8	99.6	98.4	93.7	83.7	68.9	55.8	49.9	-	-	-	-	-
June 23,1999	Cyclone #4			100.0	99.8	99.6	99.3	98.1	93.2	82.5	70.5	52.1	46.9	-	-	-	-	-
July 3,1999	Cyclone #4				100.0	99.9	99.8	99.3	95.4	86.6	76.2	57.9	53.2	-	-	-	-	-
July 6,1999	Cyclone #4		100.0	99.7	98.6	93.3	80.6	60.6	44.4	33.1	25.5	16.7	15.2	-	-	-	-	-
July 25,1999	Cyclone #4		100.0	99.9	99.9	99.8	99.7	98.9	95.8	87.6	76.9	58.8	51.7	-	-	-	-	-
August 1,1999	Cyclone #4			100.0	99.9	99.8	99.2	97.0	89.7	80.5	69.3	56.5	50.7	-	-	-	-	-
August 16,1999	Cyclone #4		100.0	99.9	99.9	99.8	99.3	96.5	89.5	78.2	66.6	51.8	45.0	-	-	-	-	-
August 30,1999	Cyclone #4		100.0	99.9	99.7	97.0	88.4	65.9	45.4	32.3	24.3	16.1	13.2					
September2,1999	Cyclone #4		100.0	99.8	99.7	99.3	98.1	93.5	84.3	72.5	61.7	46.2	42.4					
	MEDIAN	#NUM!	100.0	99.9	99.8	99.6	98.1	93.5	84.3	72.5	61.7	50.5	45.0	-	-	-	-	
	MAXIMUM	0.0	100.0	100.0	100.0	99.9	99.8	99.3	95.8	87.6	76.9	58.8	53.2	-	-	-	-	
	MINIMUM	0.0	100.0	98.6	97.8	93.3	80.6	60.6	44.4	32.3	23.0	14.4	12.3	-	-	-	-	-

Notes: 1) These are 100% fines.

File: d20-4 Summary Sheet: OVER PLOT Date: 21/09/99 Time Plotted: 9:20 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-4 OVERFLOW TAILINGS SAMPLES

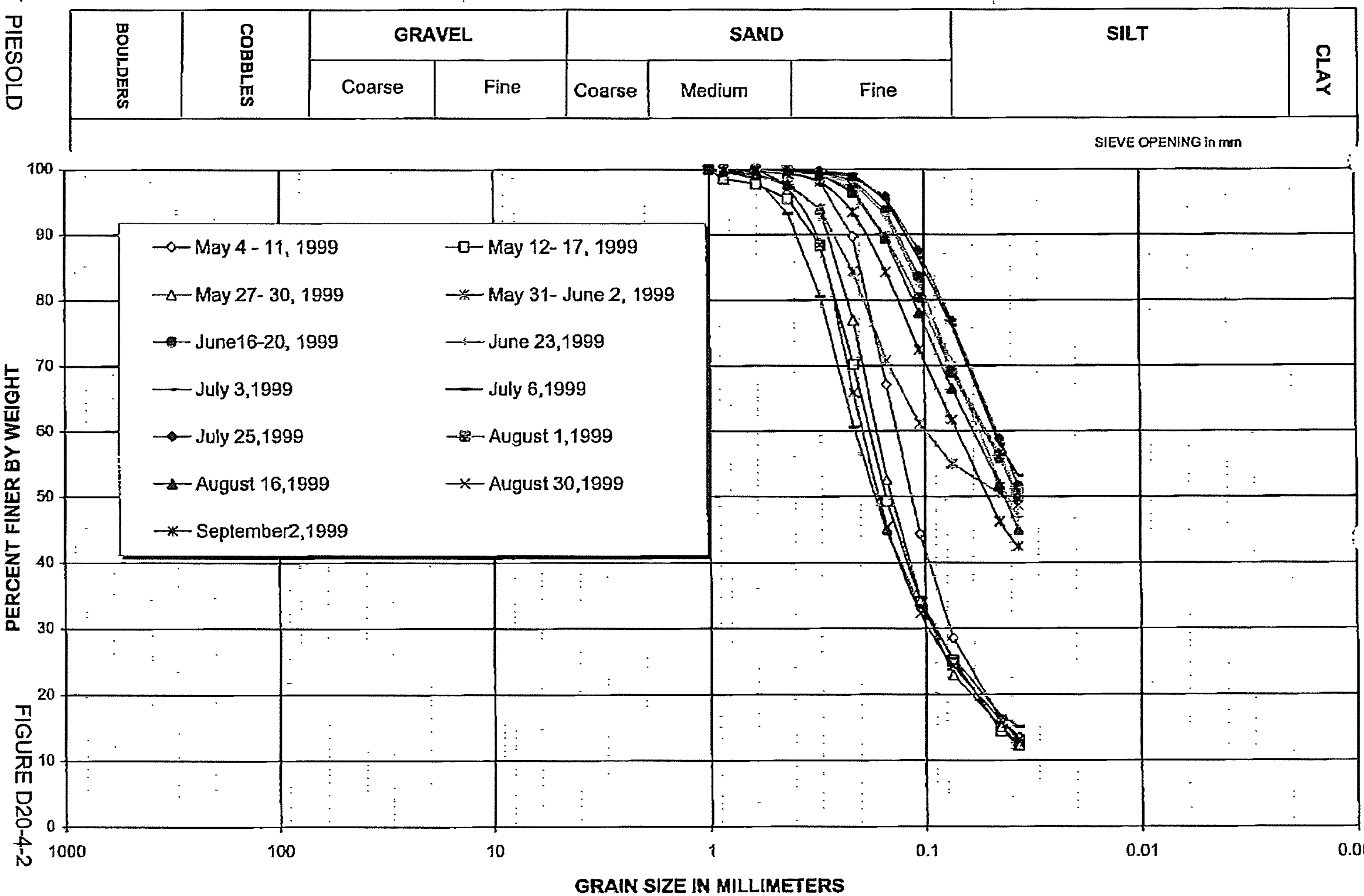


FIGURE D20-4-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 5 OVERFLOW GRADATIONS

#N/A

Knight Piesold CONSULTING — **1999 CONTROL SAMPLE TESTS - SUMMARY SHEET**

PROJECT :	MOUNT POLLEY - CYCLONE TAILINGS ANALYSES	SHEET :	1 of 1
MATERIAL :	D20-5 OVERFLOW TAILINGS SAMPLES	PERIOD :	31-Aug-99
		PROJECT #:	11162/10
		AREA :	Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	[illegible]
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #5					100.00	99.88	98.68	93.30	82.75	65.63	51.65	46.00	-	-	-	-	-
June 23,1999	Cyclone #5			100.00	99.70	99.28	97.98	93.70	83.88	70.00	57.68	40.98	36.75	-	-	-	-	-
July 3,1999	Cyclone #5		100.0	99.98	99.95	99.90	99.65	98.48	93.63	83.90	73.08	56.03	51.55	-	-	-	-	-
July 6,1999	Cyclone #5		100.0	99.95	99.90	99.85	99.70	97.58	88.60	72.58	59.50	42.93	39.13	-	-	-	-	-
July 8-11, 1999	Cyclone #5		100.0	99.95	99.85	99.68	99.18	96.38	88.40	75.85	64.25	44.03	42.20	-	-	-	-	-
July 29,1999	Cyclone #5		100.0	99.78	99.76	99.59	98.64	94.94	86.93	76.50	63.75	47.50	43.25	-	-	-	-	-
August30,1999	Cyclone #5				100.00	99.95	99.43	95.63	86.38	73.90	62.60	45.10	41.05					
	MEDIAN	#NUM!	100.0	100.0	99.9	99.9	99.4	96.4	88.4	75.9	63.8	45.1	42.2	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	99.9	98.7	93.6	83.9	73.1	56.0	51.6	-	-	-	-	-
	MINIMUM	0.0	100.0	99.8	99.7	99.3	98.0	93.7	83.9	70.0	57.7	41.0	36.8	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-5 Summary Sheet: OVER PLOT Date: 21/09/99 Time Plotted: 9:20 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-5 OVERFLOW TAILINGS SAMPLES

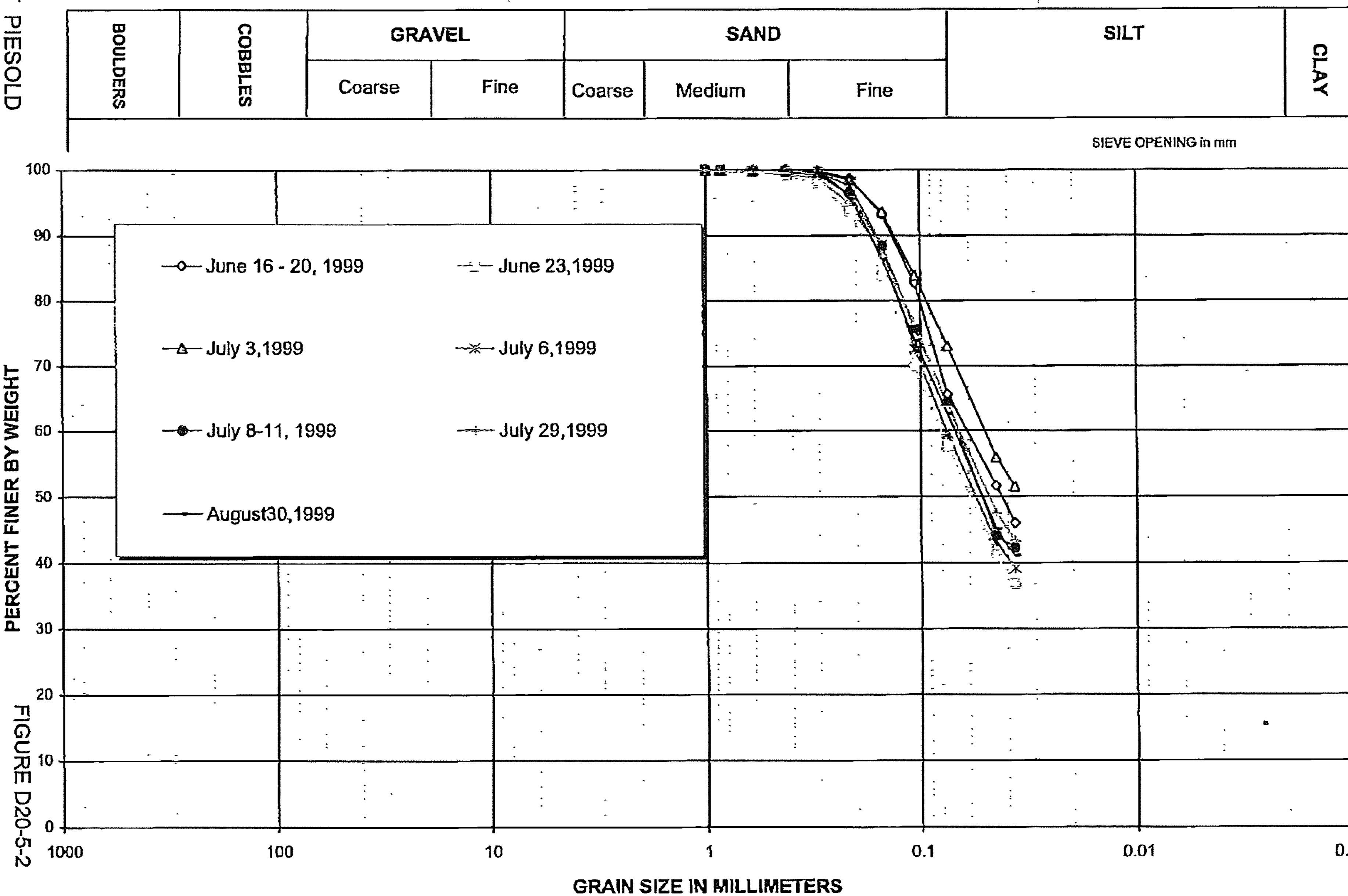


FIGURE D20-5-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 6 OVERFLOW GRADATIONS

#N/A

Knight Piesold
CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D10-6 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #6				100.00	99.93	99.35	97.00	90.00	78.33	61.95	47.98	42.35	-	-	-	-	-
June 23,1999	Cyclone #6		100.0	99.80	99.13	98.53	97.75	96.68	93.58	85.60	74.73	56.13	50.88	-	-	-	-	-
June 28,1999	Cyclone #6					100.00	99.98	99.10	93.30	80.55	66.73	44.10	38.15	-	-	-	-	-
July 6,1999	Cyclone #6					100.00	99.90	99.58	97.98	91.80	81.38	62.28	57.63	-	-	-	-	-
July 25,1999	Cyclone #6		100.0	96.15	95.83	95.30	94.63	93.15	89.35	80.70	71.05	58.45	48.88	-	-	-	-	-
August 1,1999	Cyclone #6		100.0	99.98	99.97	99.90	99.38	97.17	89.93	80.23	67.80	53.15	45.00	-	-	-	-	-
August 5,1999	Cyclone #6		100.0	99.90	99.85	99.68	99.63	96.80	91.85	83.38	73.20	61.65	49.85	-	-	-	-	-
August 16,1999	Cyclone #6			100.00	99.98	99.95	99.73	98.08	93.13	82.33	69.70	53.63	44.98	-	-	-	-	-
August30,1999	Cyclone #6		100.0	99.98	99.95	99.90	99.53	96.45	87.28	73.40	60.15	39.53	34.78					
September2,1999	Cyclone #6		100.0	99.63	99.23	96.45	87.58	66.13	46.98	32.75	23.85	14.35	12.70					
	MEDIAN	#NUM!	100.0	99.9	99.9	99.9	99.5	96.9	90.9	80.6	68.8	53.4	45.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	100.0	99.6	98.0	91.8	81.4	62.3	57.6	-	-	-	-	-
	MINIMUM	0.0	100.0	96.2	95.8	95.3	87.6	66.1	47.0	32.8	23.9	14.4	12.7	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-6 Summary Sheet: OVER PLOT Date: 21/09/99 Time Plotted: 9:21 AM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-6 OVERFLOW TAILINGS SAMPLES

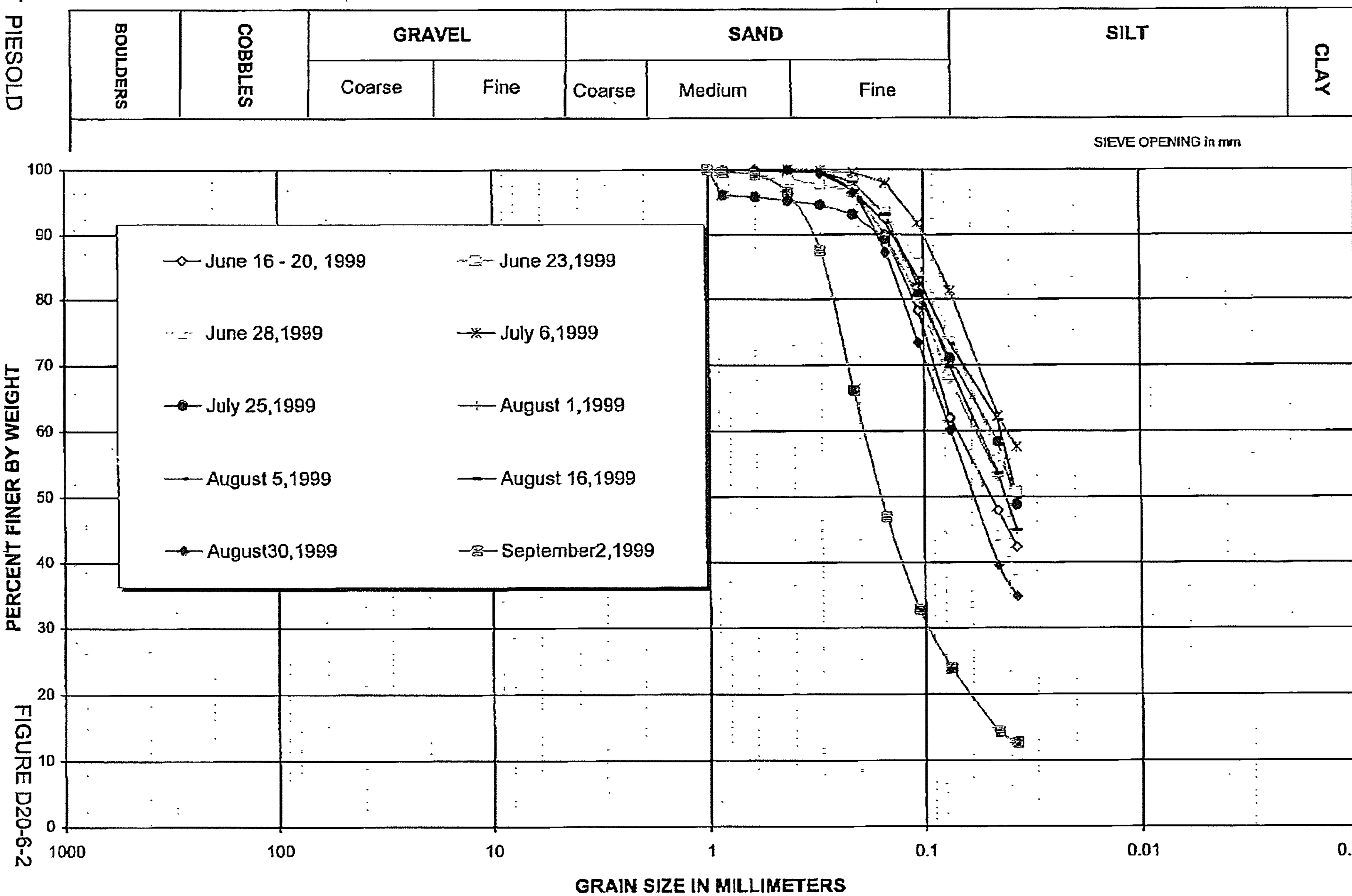
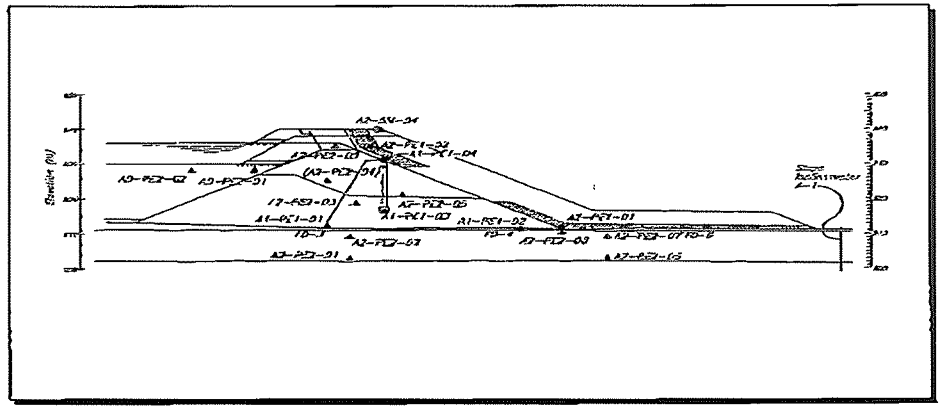
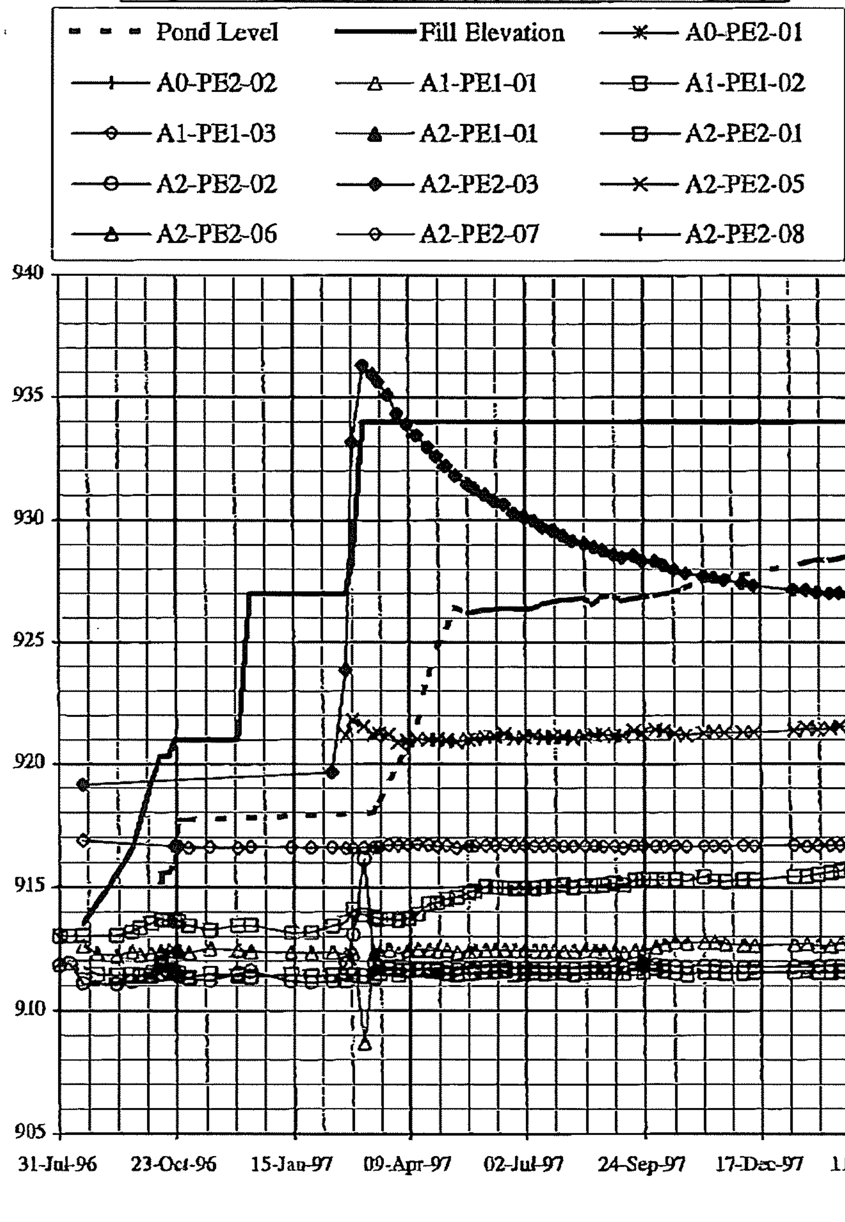


FIGURE D20-6-2

KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



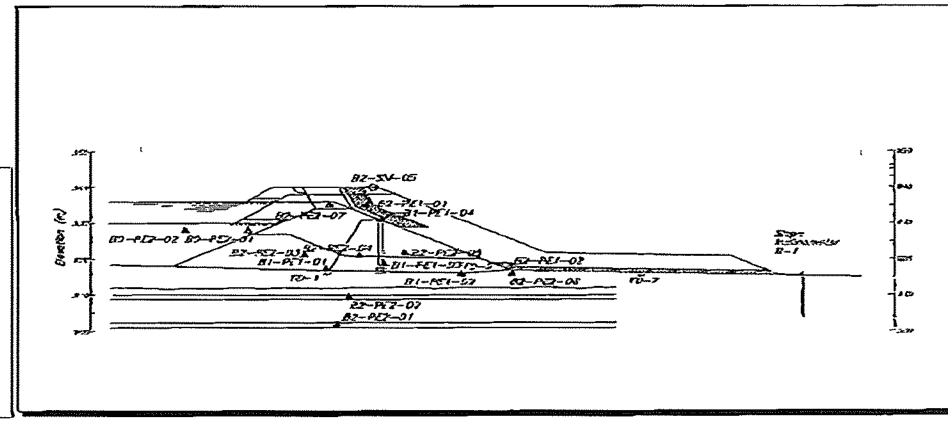


KNIGHT PIESOLD
CONSULTING

FIGURE 1

KNIGHT PIESOLD
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



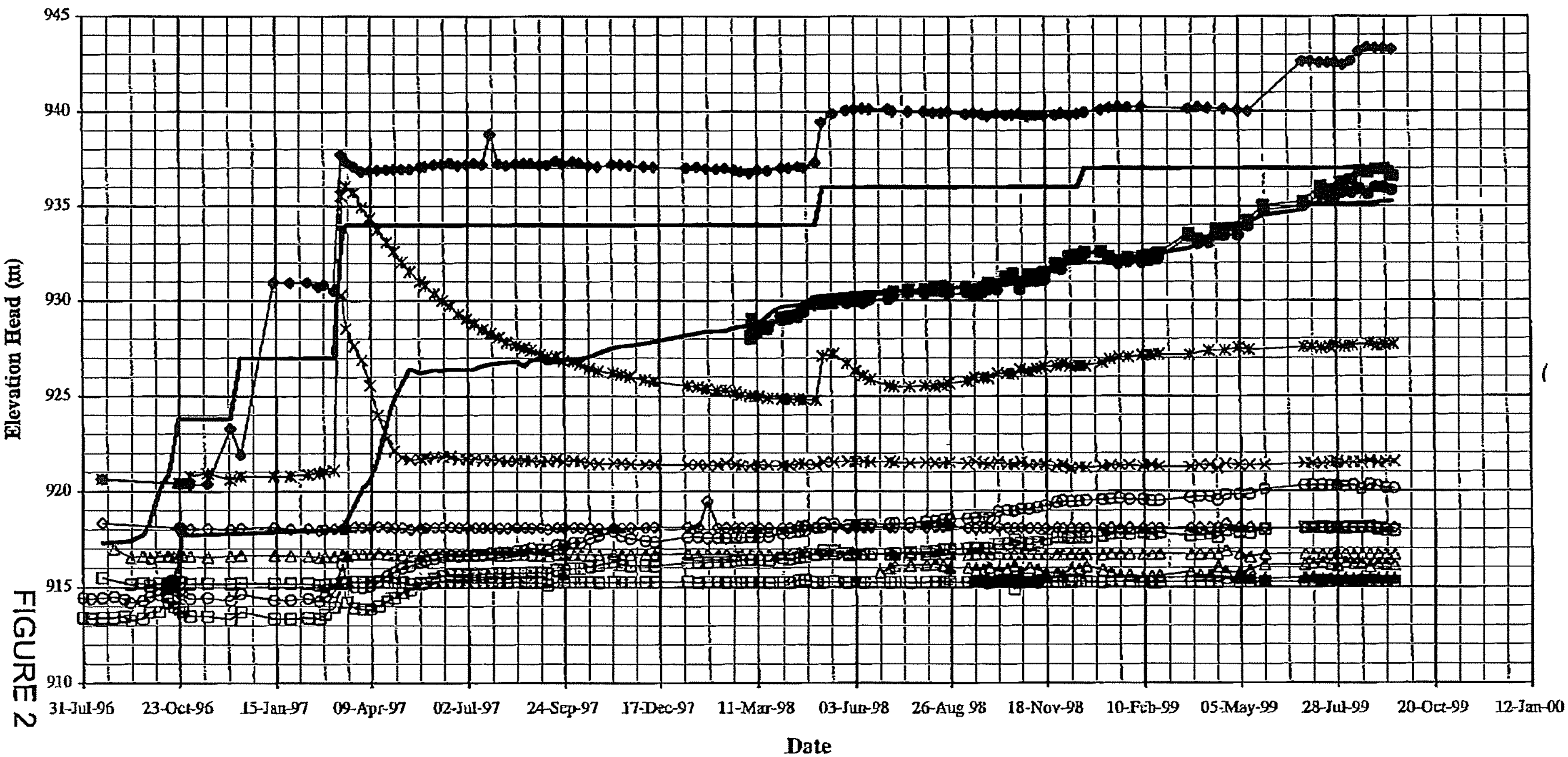
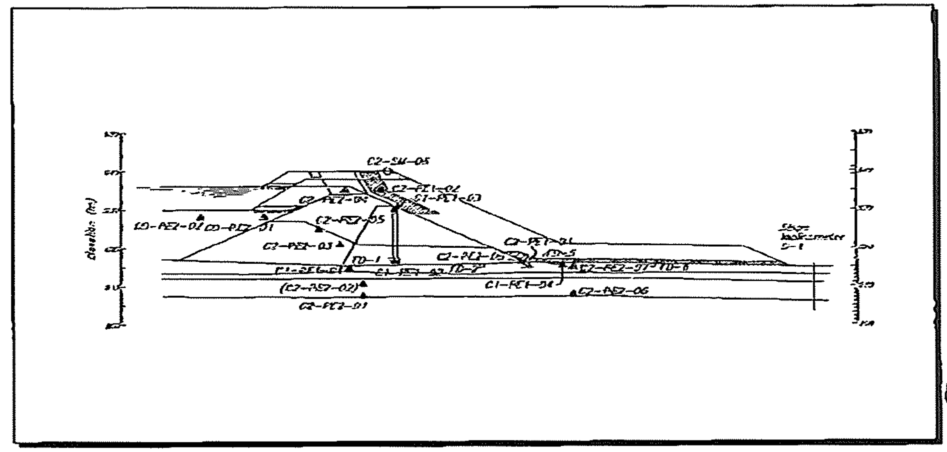
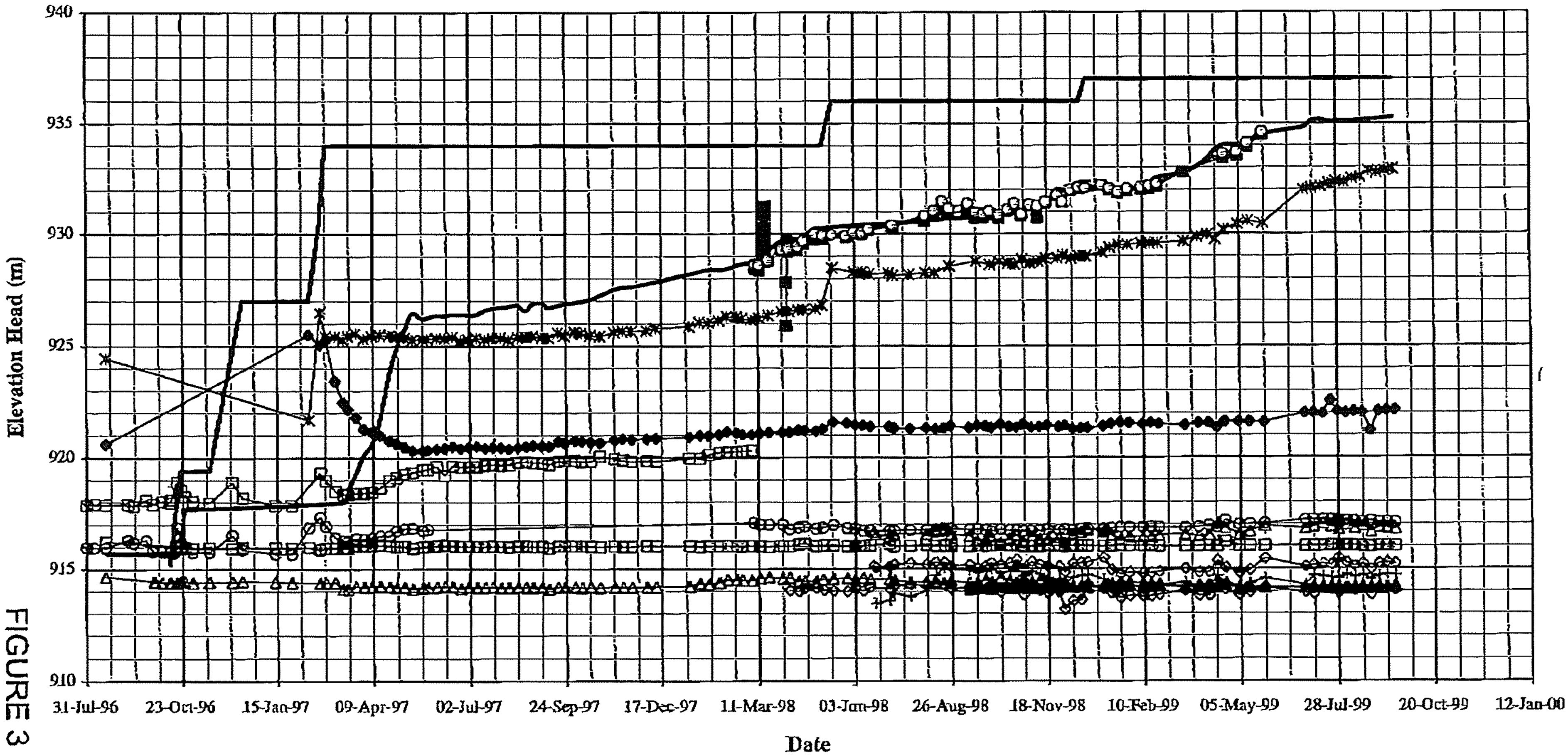


FIGURE 2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS

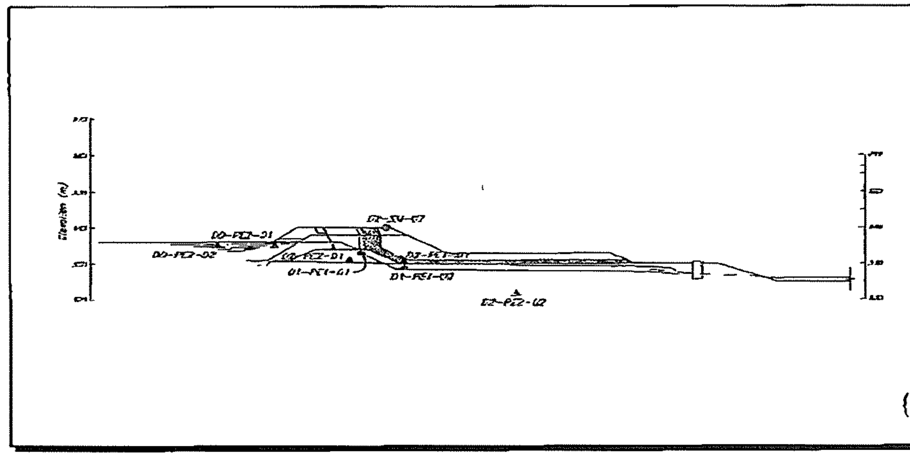


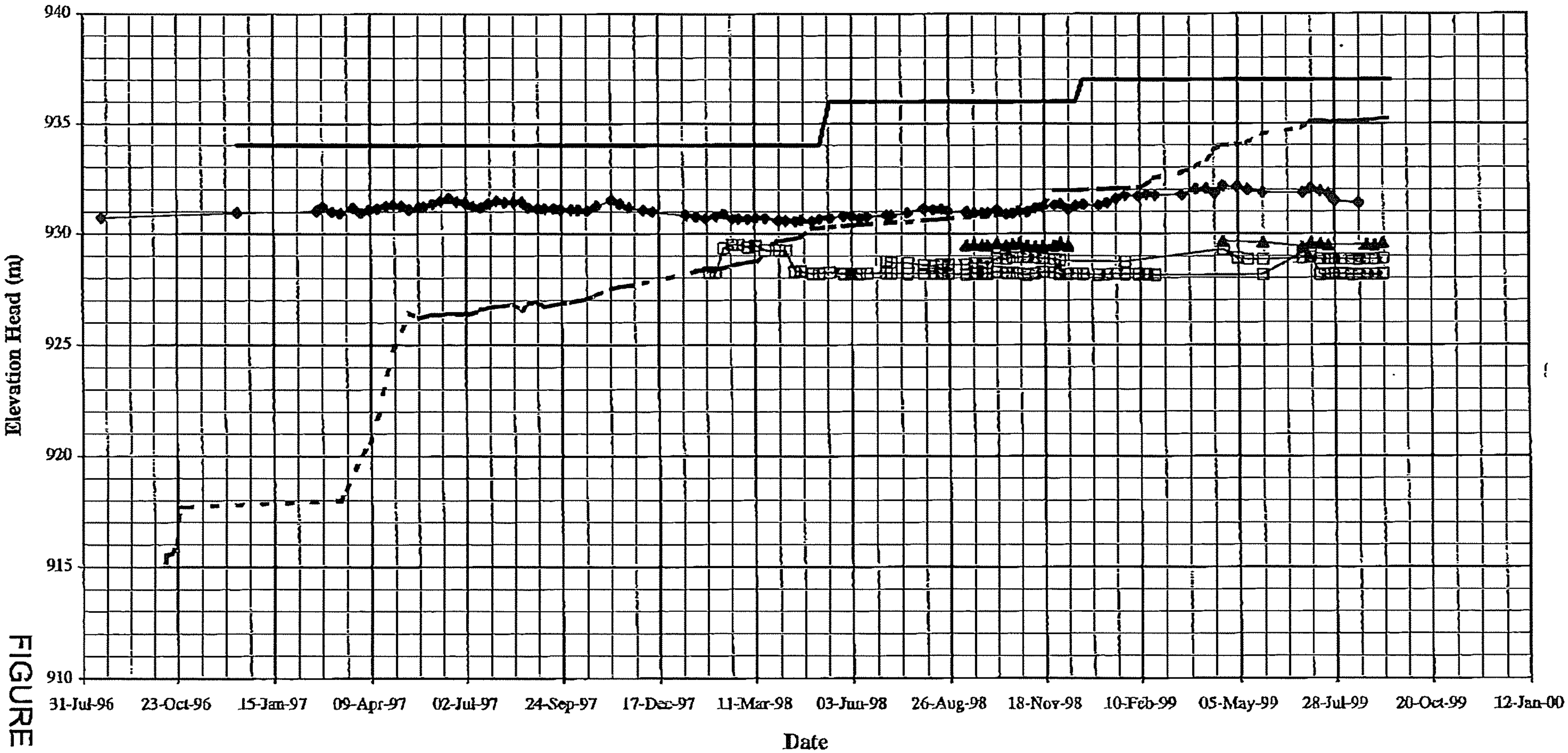


KNIGHT PIESOLD
CONSULTING

FIGURE 3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS





KNIGHT PIESOLD
CONSULTING

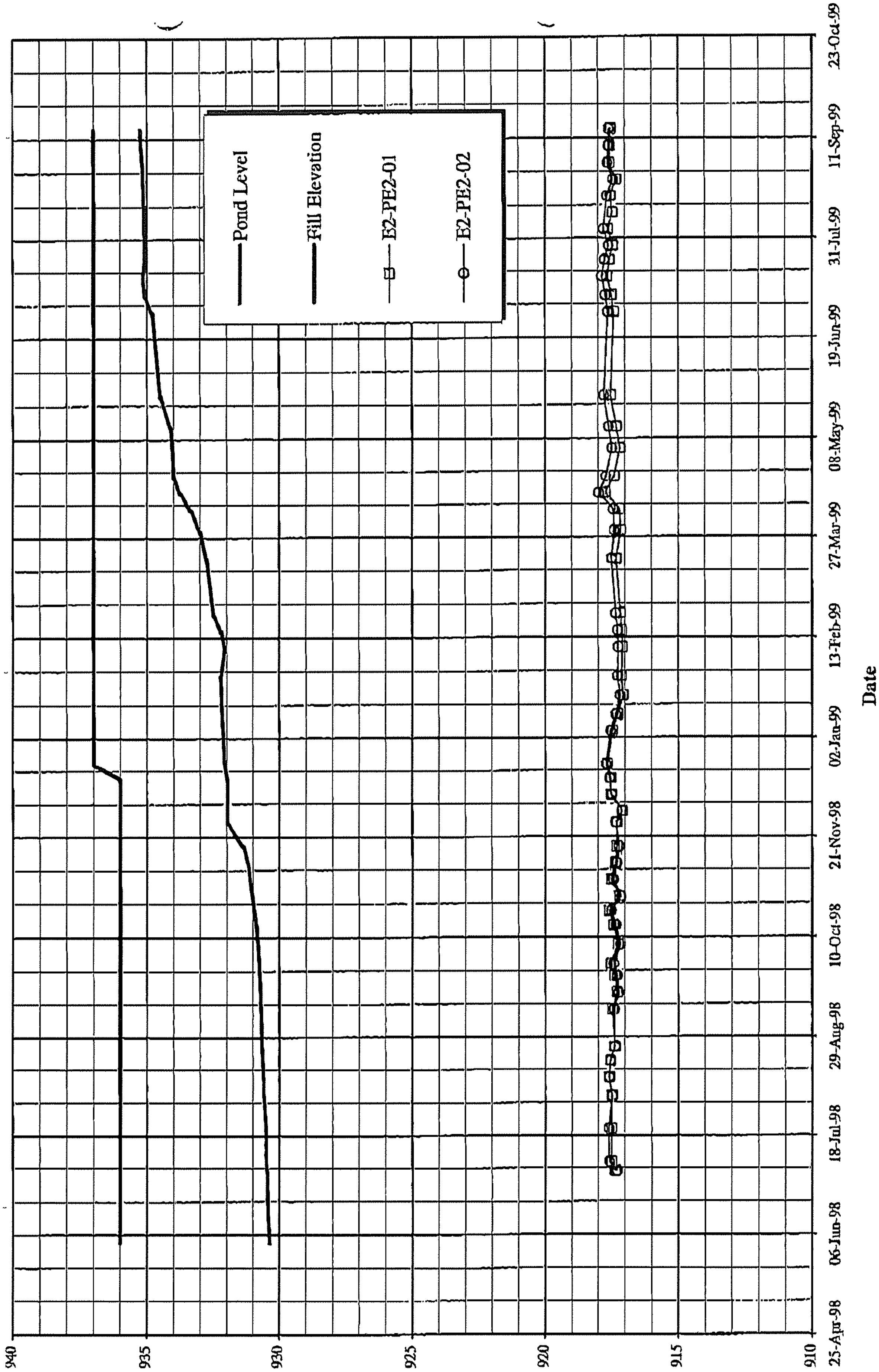
FIGURE 4

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY

SUMMARY PLOT OF PLANE E PIEZOMETERS



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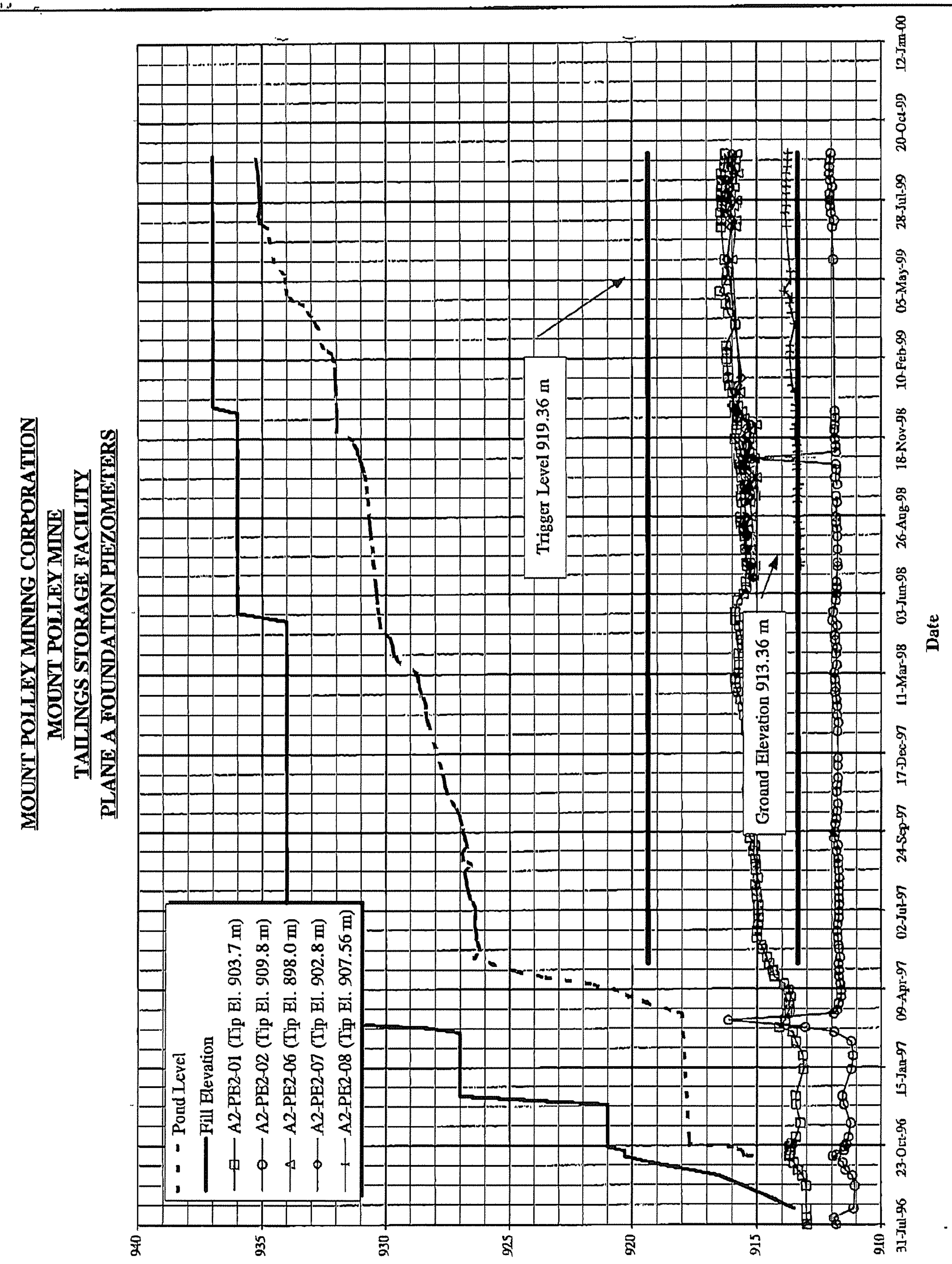
CONSULTING

FIGURE 5



KNIGHT PIESOLD
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FIGURE 6

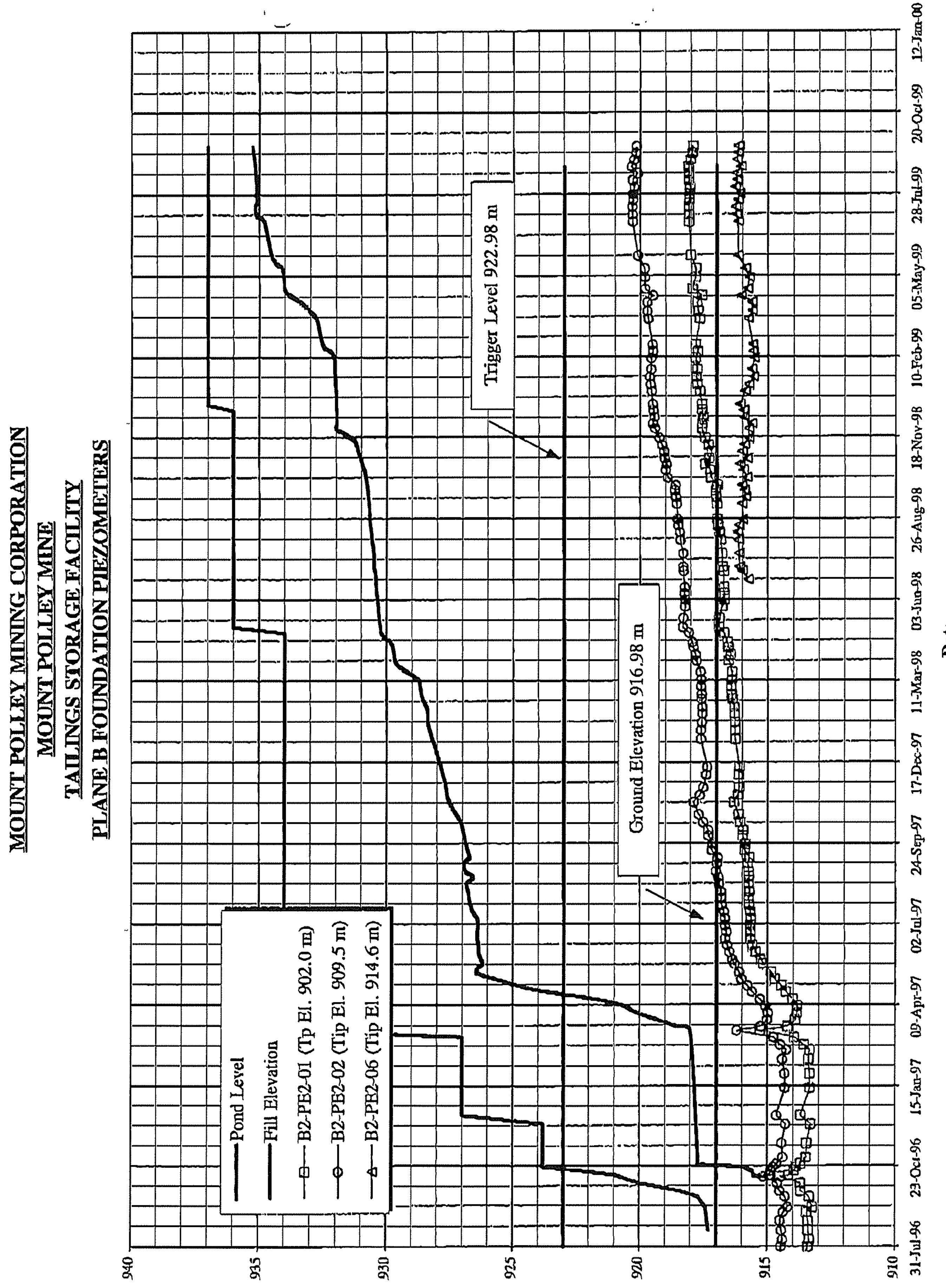

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FIGURE 7

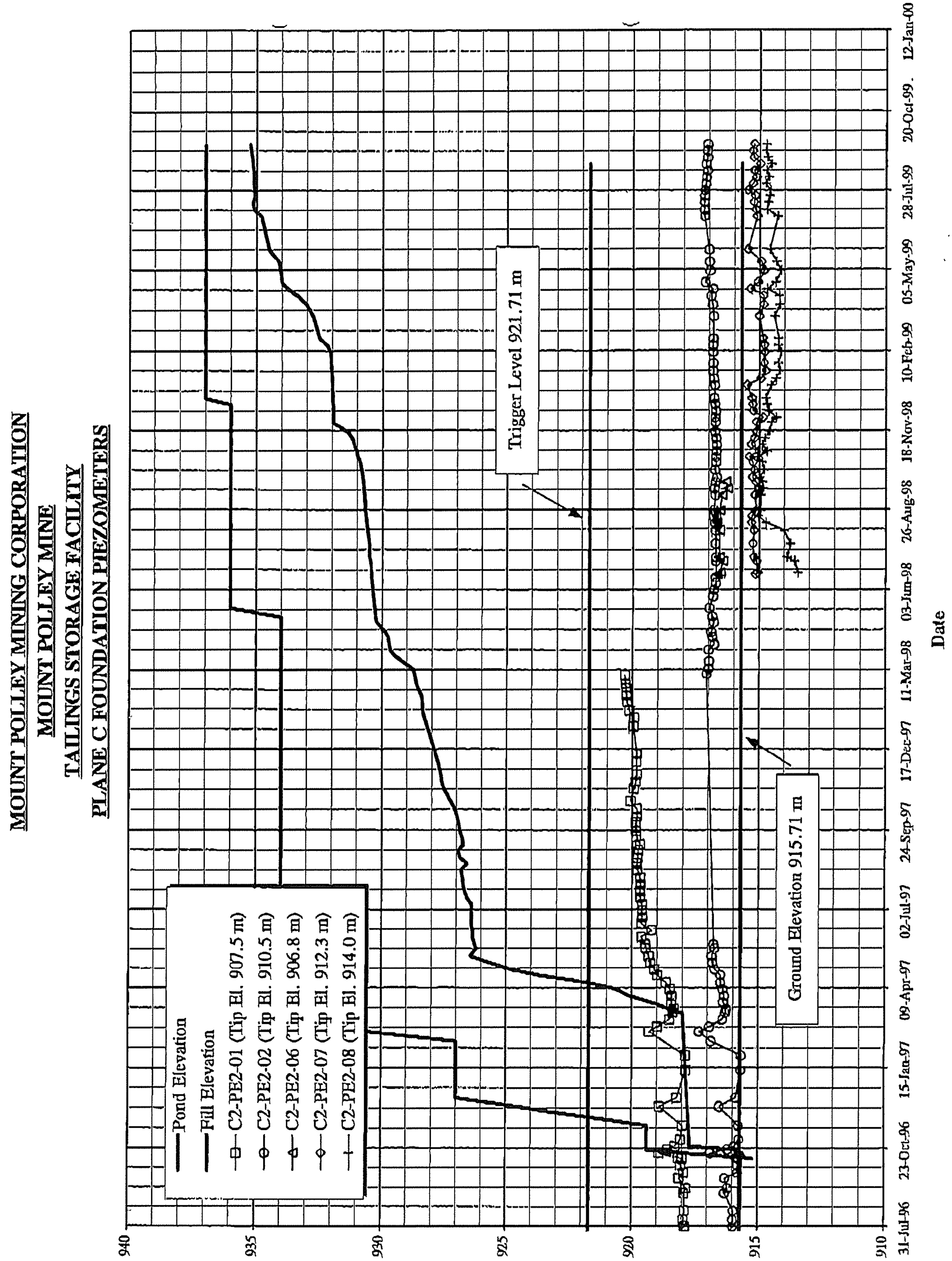

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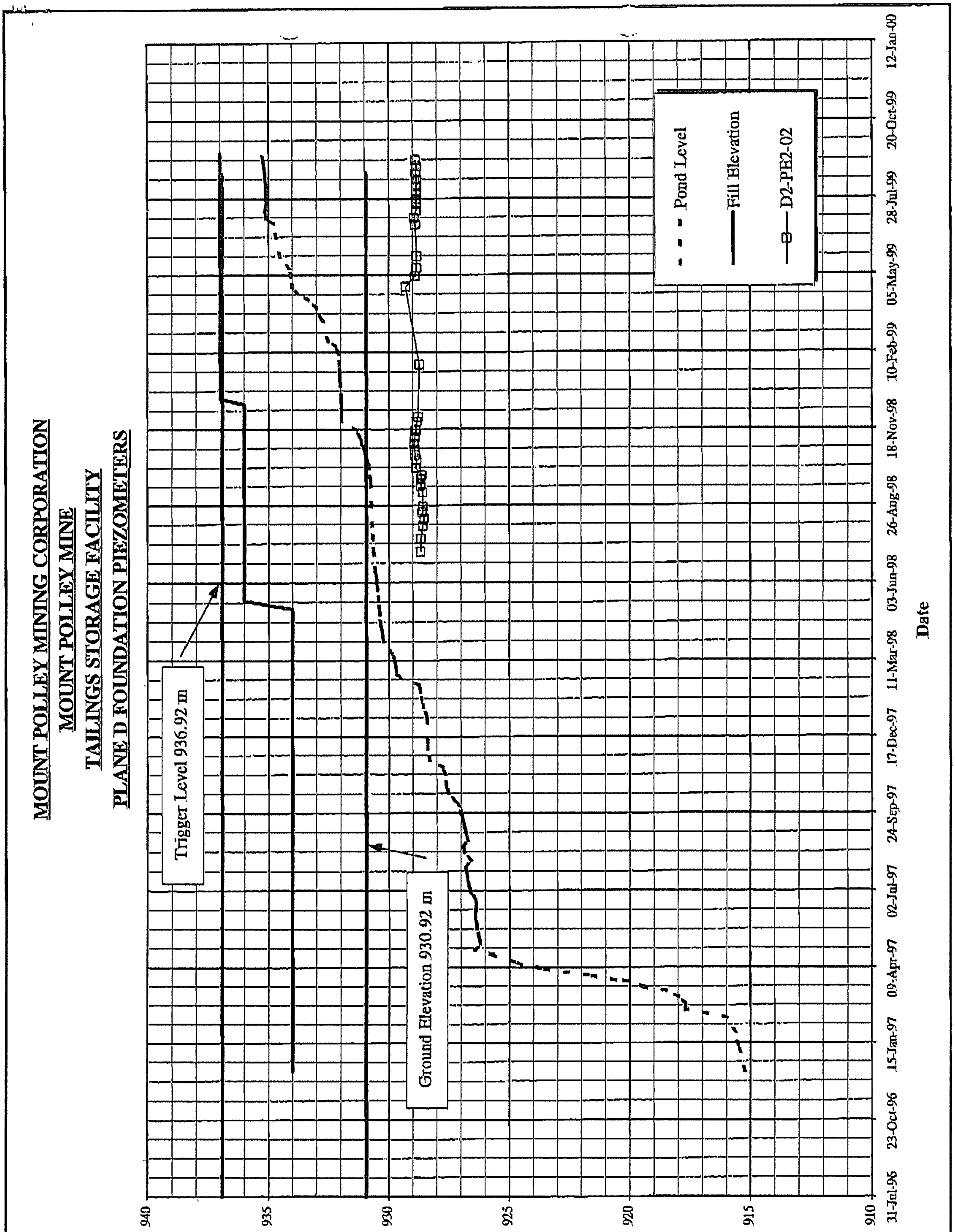
FIGURE 8



KNIGHT PIESOLD
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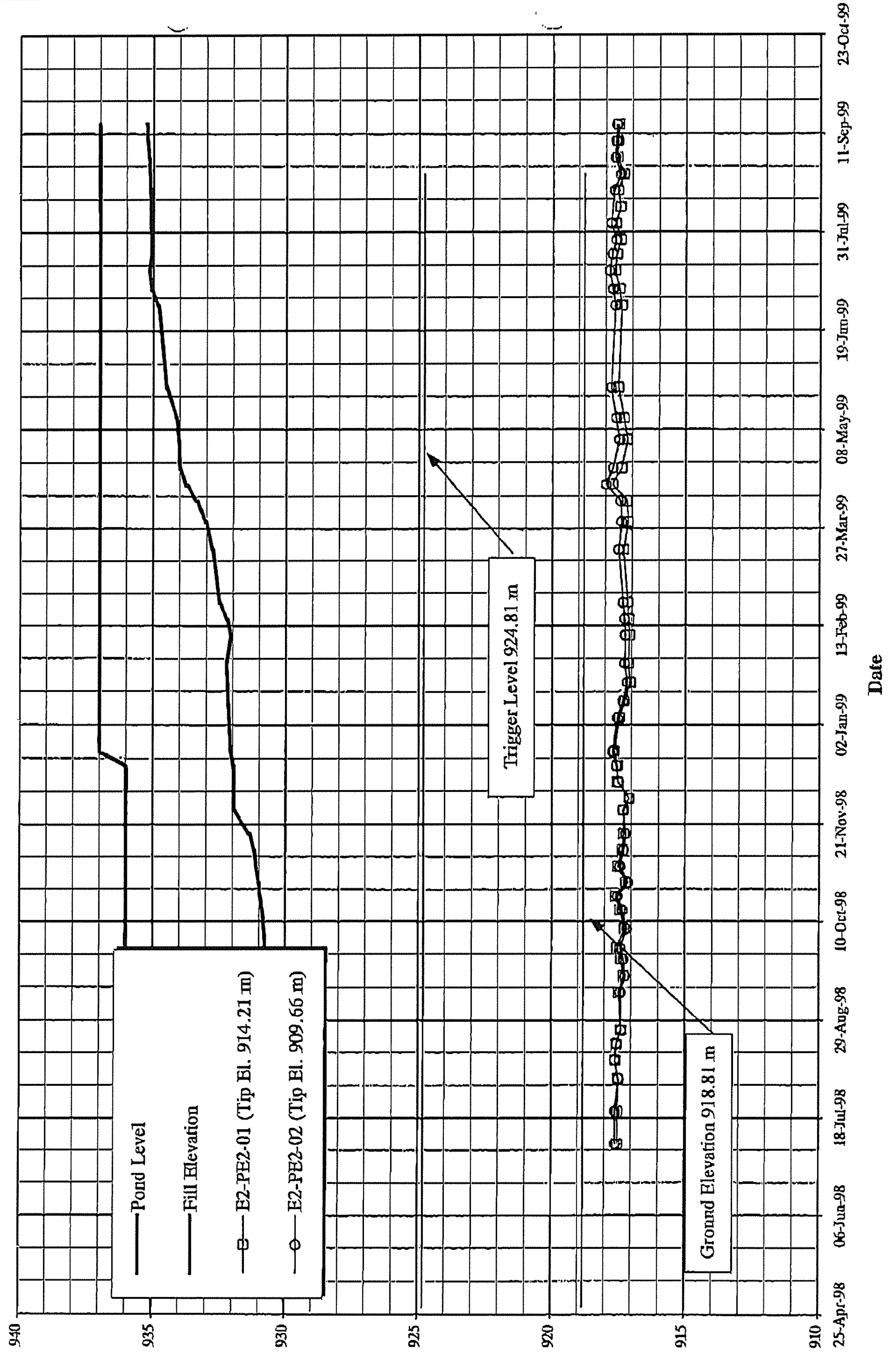
FIGURE 9

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS



KNIGHT PIESOLD
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FIGURE 10

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

SUMMARY OF DRAIN FLOW DATA

R:\ENG\DATA\Ezadus\Geotechnics\Weekly Piezo Readings\[FG-mm.xls]Data

Note: The elevation for the top of the casing for Ground Water Well GW96-9 is approximately 916.78 m. The ground elevation is 916.18 m.

September 23, 1999

SAMPLING DATE	FD-1			FD-2			FD-3			FD-4			FD-5			Total Flow Rate			Pond El (m)	GW96-9 (GW Well)
	Flow Rate			Flow Rate			Flow Rate			Flow Rate			Flow Rate							Elev. Above Top of Casing of well 9 (m)
Date	FD1(l/min)	(l/sec)	Comments	FD2(l/min)	(l/sec)	Comments	FD3(l/min)	(l/sec)	Comments	FD4(l/min)	(l/sec)	Comments	FD5(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments	Pond Elev.	
28-Aug-96	4.62	0.08	Clear	0.49	0.01	Clear	5.37	0.09	Clear	1.77	0.03	Tr. cloudy	-	-	-	12.25	0.20	FD-3, FD-4 incomplete		
01-Sep-96	3.55	0.06	Clear	0.82	0.01	Clear	6.56	0.11	Cloudy	1.25	0.02	V. Cloudy	-	-	-	12.18	0.20	FD-3, FD-4 incomplete		
06-Sep-96	2.60	0.04	Clear	0.62	0.01	Clear	2.71	0.05	Clear	0.93	0.02	Cloudy	-	-	-	6.86	0.11	FD-3, FD-4 incomplete		
10-Sep-96	2.04	0.03	Clear	0.66	0.01	Clear	2.17	0.04	Clear	0.81	0.01	Clear	-	-	-	5.68	0.09	FD-3, FD-4 incomplete		
27-Sep-96	3.10	0.05	Clear	0.70	0.01	Clear	3.10	0.05	Clear	1.00	0.02	Clear	-	-	-	7.90	0.13	FD-3, FD-4 incomplete		
05-Oct-96	4.94	0.08	Clear	0.77	0.01	Clear	4.33	0.07	Tr. cloudy	6.16	0.10	Tr. cloudy	-	-	-	16.20	0.27	FD-3, FD-4 incomplete		
12-Oct-96	3.90	0.07	Clear	1.00	0.02	Clear	3.50	0.06	Clear	1.80	0.03	Clear	-	-	-	10.20	0.17	FD-3, FD-4 incomplete	915.20	
13-Oct-96	4.20	0.07	Clear	0.90	0.02	Clear	13.50	0.23	Clear	1.70	0.03	Clear	-	-	-	20.30	0.34	FD-3 complete, FD-4 incomplete	915.50	
14-Oct-96	3.80	0.06	Clear	1.00	0.02	Clear	15.00	0.25	Clear	5.40	0.09	Clear	-	-	-	25.20	0.42	FD-3 complete, FD-4 complete	915.23	
17-Oct-96	5.90	0.10	Clear	0.80	0.01	Clear	16.60	0.28	Clear	5.40	0.09	Clear	-	-	-	28.70	0.48		915.44	
18-Oct-96	9.80	0.16	Clear	1.00	0.02	Clear	26.10	0.44	Clear	9.00	0.15	Clear	-	-	-	45.90	0.77		915.50	
22-Oct-96	6.20	0.10	Clear	0.80	0.01	Clear	20.40	0.34	Clear	5.90	0.10	Clear	-	-	-	33.30	0.56		915.63	
27-Oct-96	6.00	0.10	Clear	1.50	0.03	Clear	24.20	0.40	Clear	6.40	0.11	Clear	-	-	-	38.10	0.64		916.00	
15-Mar-97	3.89	0.06	Clear	1.35	0.02	Clear	8.91	0.15	Clear	3.19	0.05	Clear	-	-	-	17.34	0.29	pig installed, sump pumped out	918.00	
16-Mar-97	3.49	0.06	Clear	1.15	0.02	Clear	8.37	0.14	Clear	2.87	0.05	Clear	-	-	-	15.88	0.26	pig installed, sump pumped out	918.20	
02-Apr-97	2.10	0.04	Clear	1.12	0.02	Clear	8.40	0.14	Clear	3.46	0.06	Clear	-	-	-	15.03	0.25	pig installed, sump pumped out	920.27	
23-Apr-97	4.14	0.07	Clear	0.94	0.02	Clear	11.56	0.19	Clear	2.35	0.04	Clear	-	-	-	18.99	0.32	pig installed, sump pumped out	923.70	
24-Apr-97	3.16	0.05	Clear	0.84	0.01	Clear	12.73	0.21	Clear	2.05	0.03	Clear	-	-	-	18.78	0.31	pig installed, sump pumped out	923.75	
29-Apr-97	2.90	0.05	Clear	0.59	0.01	Clear	10.32	0.17	Clear	1.71	0.03	Clear	-	-	-	15.52	0.26	pig installed, sump pumped out	924.81	
08-May-97	3.60	0.06	Clear	0.76	0.01	Clear	14.15	0.24	Clear	1.92	0.03	Clear	-	-	-	20.43	0.34	pig out, pumped down	925.86	
13-May-97	4.04	0.07	Clear	0.79	0.01	Clear	14.85	0.25	Clear	1.95	0.03	Clear	-	-	-	21.63	0.36	pig out, pumped down	926.43	
20-May-97	4.11	0.07	Clear	0.77	0.01	Clear	17.09	0.28	Clear	1.85	0.03	Clear	-	-	-	23.82	0.40	pig out, pumped down	926.20	
28-May-97	3.99	0.07	Clear	0.80	0.01	Clear	15.71	0.26	Clear	1.87	0.03	Clear	-	-	-	22.37	0.37	pig out, pumped down	926.25	
10-Jun-97	4.15	0.07	Clear	0.82	0.01	Clear	18.35	0.31	Clear	1.89	0.03	Clear	-	-	-	25.21	0.42	pig out, pumped down	926.34	
17-Jun-97	4.10	0.07	Clear	0.78	0.01	Clear	19.93	0.33	Clear	1.85	0.03	Clear	-	-	-	26.66	0.44	pig out, pumped down	926.40	
24-Jun-97	3.97	0.07	Clear	0.84	0.01	Clear	17.24	0.29	Clear	1.83	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.39	
01-Jul-97	3.93	0.07	Clear	0.69	0.01	Clear	14.72	0.25	Clear	1.73	0.03	Clear	-	-	-	21.07	0.35	pig out, pumped down	926.38	
08-Jul-97	4.05	0.07	Clear	0.72	0.01	Clear	18.07	0.30	Clear	1.88	0.03	Clear	-	-	-	24.72	0.41	pig out, pumped down	926.39	
15-Jul-97	4.11	0.07	Clear	0.88	0.01	Clear	15.33	0.26	Clear	2.24	0.04	Clear		-	-	22.61	0.38	pig out, pumped down	926.57	
22-Jul-97	4.06	0.07	Clear	0.91	0.02	Clear	15.83	0.26	Clear	2.05	0.03	Clear	-	-		22.85	0.38	pig out, pumped down	926.66	
29-Jul-97	4.40	0.07	Clear	0.85	0.01	Clear	20.43	0.34	Clear	2.11	0.04	Clear	-	-	-	27.64	0.46	pig out, pumped down	926.73	
05-Aug-97	4.13	0.07	Clear	0.79	0.01	Clear	18.35	0.31	Clear	1.97	0.03	Clear	-	-	-	25.24	0.42	pig out, pumped down	926.75	
13-Aug-97	4.12	0.07	Clear	0.78	0.01	Clear	24.19	0.40	Clear	2.02	0.03	Clear	-	-	-	31.11	0.52	pig out, pumped down	926.82	
20-Aug-97	4.13	0.07	Clear	0.76	0.01	Clear	15.95	0.27	Clear	1.80	0.03	Clear	-		-	22.64	0.38	pig out, pumped down	926.75	
26-Aug-97	4.62	0.08	Clear	0.76	0.01	Clear	18.75	0.31	Clear	1.92	0.03	Clear	-	-	-	26.05	0.43	pig out, pumped down	926.86	
03-Sep-97	4.43	0.07	Clear	0.76	0.01	Clear	16.95	0.28	Clear	1.76	0.03	Clear	-	-	-	23.95	0.40	pig out, pumped down	926.93	
09-Sep-97	4.57	0.08	Clear	0.75	0.01	Clear	16.04	0.27	Clear	1.81	0.03	Clear	-	-	-	23.17	0.39	pig out, pumped down	926.71	
17-Sep-97	4.62	0.08	Clear	0.77	0.01	Clear	16.71	0.28	Clear	1.78	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.88	
23-Sep-97	4.64	0.08	Clear	0.78	0.01	Clear	17.75	0.30	Clear	1.83	0.03	Clear	-	-	-	25.00	0.42	pig out, pumped down	926.85	
02-Oct-97	4.78	0.08	Clear	0.82	0.01	Clear	16.76	0.28	Clear	1.86	0.03	Clear	-	-	-	24.22	0.40	pig out, pumped down	926.92	0.055
08-Oct-97	4.69	0.08	Clear	0.81	0.01	Clear	16.01	0.27	Clear	1.95	0.03	Clear	-	-	-	23.46	0.39	pig out, pumped down	926.97	0.065
16-Oct-97	5.14	0.09	Clear	1.11	0.02	Clear	17.86	0.30	Clear	2.31	0.04	Clear	-	-	-	26.42	0.44	pig out, pumped down	927.06	0.095
24-Oct-97	5.13	0.09	Clear	0.92	0.02	Clear	16.23	0.27	Clear	1.98	0.03	Clear	-	-	-	24.26	0.40	pig out, pumped down	927.23	0.095
06-Nov-97	5.51	0.09	Clear	1.20	0.02	Clear	17.70	0.30	Clear	2.39	0.04	Clear	-	-	-	26.80	0.45	pig out, pumped down	927.51	Frozen
13-Nov-97	4.90	0.08	Clear	0.63	0.01	Clear	18.38	0.31	Clear	1.87	0.03	Clear	-		-	26.00	0.43	pig out, pumped down	927.60	Frozen
21-Nov-97	4.37	0.07	Clear	0.76	0.01	Clear	17.91	0.30	Clear	1.79	0.03	Clear	-	-	-	24.83	0.41	pig out, pumped down	927.63	Frozen
28-Nov-97	4.14	0.07	Clear	0.77	0.01	Clear	18.18	0.30	Clear	1.85	0.03	Clear	-	-	-	24.94	0.42	pig out, pumped down	927.65	Frozen
04-Dec-97	4.03	0.07	Clear	0.85	0.01	Clear	17.67	0.29	Clear	1.78	0.03	Clear	-	-	-	24.33	0.41	pig out, pumped down	927.75	Frozen
02-Jan-98	3.81	0.06	Clear	0.74	0.01	Clear	16.30	0.27	Clear	1.73	0.03	Clear	-		-	22.58	0.38	pig out, pumped down	928.10	Frozen

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

SUMMARY OF DRAINFLOW DATA

E:\ENG\DATA\Engineers\Geotechnical\Wells\Piezo Readings\[FD-cont.xls]Data

Note: The elevation for the top of the casing for Ground Water Well GW96-9 is approximately 916.78 m. The ground elevation is 916.18 m.

September 21, 1999

SAMPLING DATE	FD-1			FD-2			FD-3			FD-4			FD-5			Total Flow Rate			Pond El (m)	GW96-9 (GW Well)
	Flow Rate			Flow Rate			Flow Rate			Flow Rate			Flow Rate							Elev. Above Top of Casing
Date	FD1(l/min)	(l/sec)	Comments	FD2(l/min)	(l/sec)	Comments	FD3(l/min)	(l/sec)	Comments	FD4(l/min)	(l/sec)	Comments	FD5(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments	Pond Elev.	of well 9 (m)
[illegible]	3.53	0.06	Clear	0.69	0.01	Clear	[illegible]	0.98	Clear	1.77	0.03	Tr Cloudy	-	-	-	12.99	0.38	[illegible]	928.25	Frozen
21-Jan-98	3.57	0.06	Clear	0.74	0.01	Clear	16.42	0.27	Clear	1.82	0.03	Clear	-	-	-	22.55	0.38	pig out, needs pumping	928.30	Frozen
09-Apr-98	3.84	0.06	Clear	0.67	0.01	Clear	15.54	0.26	Clear	1.52	0.03	Clear	-	-	-	21.57	0.36	pig out, pond pumped down	929.70	-
17-Apr-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	929.85	-
25-May-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	930.10	-
02-Jun-98	3.52	0.06	Clear	0.78	0.01	Clear	15.58	0.26	Clear	1.42	0.02	Clear	6.80	0.11	Clear	28.10	0.47	pig out, pond pumped down	930.36	-
10-Jun-98	3.83	0.06	Clear	0.79	0.01	Clear	14.60	0.24	Clear	1.44	0.02	Clear	7.51	0.13	Clear	28.17	0.47	pig out, pond pumped down	930.39	-
16-Jun-98	3.77	0.06	Clear	0.78	0.01	Clear	16.35	0.27	Clear	1.41	0.02	Clear	7.93	0.13	Clear	30.24	0.50	pig out, pond pumped down	930.42	-
03-Jul-98	3.89	0.06	Clear	0.76	0.01	Clear	16.14	0.27	Clear	2.37	0.04	Clear	12.53	0.21	Clear	35.69	0.59	FD-5 is spilling onto FD-4 providing higher values than normal	930.45	
07-Jul-98	3.71	0.06	Clear	0.72	0.01	Clear	16.00	0.27	Clear	2.22	0.04	Clear	9.66	0.16	Clear	32.34	0.54	negative value is below top of casing	930.50	-0.135
24-Jul-98	3.53	0.06	Clear	0.72	0.01	Clear	15.75	0.26	Clear	1.96	0.03	Clear	8.70	0.15	Clear	30.66	0.51	-	930.58	0.28
12-Aug-98	3.46	0.06	Clear	0.62	0.01	Clear	15.96	0.27	Clear	1.90	0.03	Clear	7.30	0.12	Clear	29.24	0.49	-	930.61	0.33
19-Aug-98	3.17	0.05	Clear	0.56	0.01	Clear	15.83	0.26	Clear	2.26	0.04	Clear	8.08	0.13	Clear	29.90	0.50	-	930.64	-
10-Sep-98	3.60	0.06	Clear	0.57	0.01	Clear	16.35	0.27	Clear	2.03	0.03	Clear	8.02	0.13	Clear	30.57	0.51	-	930.70	-
17-Sep-98	3.53	0.06	Clear	0.63	0.01	Clear	16.62	0.27	Clear	2.20	0.04	Clear	8.52	0.14	Clear	31.30	0.52	-	930.73	-
24-Sep-98	3.62	0.06	Clear	0.64	0.01	Clear	15.64	0.26	Clear	2.06	0.03	Clear	7.77	0.13	Clear	29.73	0.50	-	930.77	-
07-Oct-98	3.72	0.06	Clear	1.05	0.02	Clear	14.22	0.24	Clear	2.36	0.04	Clear	13.39	0.22	Clear	34.74	0.58	positive value is above top of casing	930.81	0.18
15-Oct-98	3.82	0.06	Clear	1.10	0.02	Clear	14.53	0.24	Clear	2.56	0.04	Clear	15.63	0.26	Clear	37.84	0.63	-	930.87	
21-Oct-98	3.94	0.07	Clear	1.12	0.02	Clear	15.35	0.26	Clear	2.95	0.05	Clear	18.46	0.31	Clear	41.82	0.70	-	930.95	
17-Nov-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Sump flooded, needs to be pumped		0.11
27-Nov-98	4.21	0.07	Clear	1.01	0.02	Clear	14.28	0.24	Clear	2.35	0.04	Clear	11.76	0.20	Clear	33.62	0.56		931.35	-0.03
02-Dec-98	4.35	0.07	Clear	0.92	0.02	Clear	14.16	0.24	Clear	2.37	0.04	Clear	11.46	0.19	Clear	33.26	0.55		931.97	-0.03
09-Dec-98	4.34	0.07	Clear	0.79	0.01	Clear	16.56	0.28	Clear	2.01	0.03	Clear	9.78	0.16	Clear	33.49	0.56		931.97	Frozen
16-Dec-98	4.33	0.07	Clear	0.97	0.02	Clear	13.92	0.23	Clear	2.83	0.05	Clear	19.32	0.32	Clear	41.37	0.69		931.97	Frozen
22-Dec-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded, needs to be pumped down	931.99	Frozen
05-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.00	Frozen
12-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.02	Frozen
20-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.03	Frozen
28-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.05	Frozen
09-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.06	Frozen
16-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.07	Frozen
23-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.08	Frozen
18-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	933.08	Frozen
30-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	934.08	Frozen
08-Apr-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	935.08	Frozen
																		(Started pumping April 9)		

Knight Piésold CONSULTING *Knight Piésold, Mt. Polley Site* *Fax: (250) 790-2268* *Phone: (250) 790-2215*	**DATE:**	7-Sept-1999	**FILE NO.:**	11162/10.F01/.F02/.F05/.F07
	TIME:		**REF NO.:**	99-011
	OPERATOR:		**PAGES:**	1 of 46
	SENDER:	Wilson Muir	**APPROVED:**	

TO:	Ministry of Energy and Mines, Mines Branch, Victoria, B.C.	**FAX :**	250-952-0481
ATTN:	George Headley		
CC:	Don Parsons / Eric LeNeve, MPMC Site Ken Brouwer / John Wilkinson, KP Vancouver		
SUBJECT:	Mount Polley Stage 2C Construction Progress Report		

Dear Mr. Headley,

Attached is the first Progress Report for Stage 2C Construction at the Mount Polley Mine. Reports will be submitted to you twice per month during the construction season. Up to date materials testing results, piezometer data and drain flow measurements will be included in every Progress Report.

If you have any questions or comments, please do not hesitate to contact Ken Brouwer in the KP Vancouver Office.

Regards,

Wilson Muir, P.Eng.
Project Engineer
Knight Piésold

Knight Piésold
CONSULTING

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
PROGRESS REPORT NO. 1
AUGUST 16 to AUGUST 31, 1999

SECTION 1.0 - GENERAL

Mount Polley Mining Corporation (MPMC) continued Stage 2C construction activities over the reporting period. Knight Piésold Ltd. (KP) carried out QA/QC activities over this period.

1.1 PERSONNEL

The following KP personnel were on site during the reporting period:

- Wilson Muir (CWM), Project Engineer

The following MPMC management personnel were on site during the reporting period:

- Eric LeNeve, Tailings Coordinator
- Don Parsons, Mine Superintendent

1.2 CONTRACT DEVELOPMENTS

MPMC obtained equipment from the existing mine fleet and from various contractors in order to begin the work. KP issued the majority of the Drawings for Stage 2C Construction by fax. A complete set of finalized Drawings will be issued for construction as soon as they are completed.

1.3 WEATHER

Conditions were generally partly cloudy and warm during the reporting period. Maximum daytime highs reached about +23 °C and nightly lows sank to as low as +4 °C.

1.4 TAILINGS FACILITY OPERATION AND MAINTENANCE

Tailings Underflow (Zone CS) was placed upstream of the Main Embankment crest during the reporting period from approximate Chainage 17+00 to 26+00 and from Elevation 936 to 940 m. A significant beach continues to be present upstream of the Zone CS. Wind erosion of the cycloned sand was not observed over the reporting period.

On August 27th, one cyclone was moved from the Main Embankment to the Perimeter Embankment. Zone CS placement commenced in the afternoon and through to the end of the reporting period from Chainage 39+50 to 40+50 and from Elevation 932 to 938 m. Water lies against most of the Perimeter Embankment at this time; however, MPMC plans to accelerate Zone CS placement in these areas in order to meet future fill placement and freeboard requirements.

SECTION 2.0 - CONSTRUCTION ACTIVITIES

MPMC carried out the following activities during the reporting period:

- Movement and maintenance of the tailings line on the Perimeter Embankment in order to prepare for Zone CS fill placement.
- Placement of Zone CS fill on the Main and Perimeter Embankments.
- Maintenance and optimization of cyclones.
- Development of the Rock Borrow for Zone T material and material for haul road upgrades.
- Excavation of barge channel.
- Borrow Area 2 investigation for Zone S materials. Drilling was carried out by Geotech Drilling, Prince George, B.C.

SECTION 3.0 - KNIGHT PIÉSOLD ACTIVITIES

3.1 GENERAL

KP activities over the reporting period included the following:

- Collection and Record Testing of Zone CS materials.
- Monitoring of Borrow Materials Investigation.
- Logging of Borrow Area 2 boreholes and collection of Zone S materials for lab testing.
- Submission of daily summaries of QA/QC and construction activities to MPMC.
- Ongoing discussions and correspondence with MPMC and KP Vancouver with regard to schedules and current and future design.
- Preparation of progress reports.

3.2 MONITORING

3.2.1 General

On-going monitoring of instrumentation was continued over the reporting period. Data collected to date indicates that the TSF is performing well within design tolerances.

3.2.2 Vibrating Wire Piezometers

No new piezometers were installed over this period.

Piezometer readings were taken on August 17 and 24. The following observations are based on the data from the attached piezometer graphs.

- Foundation Piezometers
  All foundation piezometers have generally remained static through spring runoff and have not reacted to placement of Zone CS material.

- Fill Piezometers
  Pore pressures in the vicinity of B2-PE2-03 (Zone S), C2-PE2-05 (Zone S) and A2-PE2-03 (Zone B) have increased, likely as a result of Zone CS placement. The remainder of the piezometers placed in the engineered fill have remained relatively static.

- Drain Piezometers
  All piezometers located within the drains have remained static. This indicates that the drains are free draining and are functioning as designed.

- Tailings Piezometers
  Plane C tailings piezometers were reacting to the rise in pond level until they stopped functioning at the end of May, 1999. Plane B tailings piezometers continue to mimic the pond level quite accurately, while the tailings piezometers at Plane A have reacted to the placement of Zone CS material.

3.2.3 Drain Flows

Due to the high water level in the Seepage Collection Pond at the Main Embankment, the outlets of the foundation drains are flooded and the flows have not been recorded since December 22, 1998. MPMC plans to lower the level of the pond in order to continue monitoring the foundation drain flows.

MPMC has constructed small weirs at the Main Embankment Outlet Drains to monitor Chimney Drain flows. No data has been collected due to the low observed flow levels. The Outlet Drains will discharge into the Zone T fill during Stage 3 Construction.

3.2.4 Standpipe Piezometer Levels

The water level in standpipe piezometer GW96-9 (downstream of the right abutment of the Main Embankment) has not been monitored this season due to a break in the pipe. The pipe will be repaired in the near future and readings will recommence.

3.2.5 Survey Monuments

New survey points will be installed following the completion of Stage 2C construction in order to measure any settlements prior to the beginning of Stage 3 Construction.

3.3 QA/QC and Laboratory Testing

All record samples, bi-weekly composite underflow, overflow and mill feed samples and selected samples from the Borrow Materials Investigation are being tested by KP or MPMC personnel.

Two (2) record samples of the upstream cycloned sand fill (R-ZCS-12 and 13) were tested during the reporting period. The results from the compaction testing showed that acceptable compaction results are being obtained in the field, as seen in the following table.

Sample No.	Optimum Moisture Content (%)	Maximum Dry Density (kg/m^3)	Field Moisture Content (%)	Field Dry Density (kg/m^3)	Field Compaction (%)
R/ZCS1-12	17.3	1675	11.6	1621	96.8
R/ZCS1-13	17.0	1720	3.3	1619	94.1

A total of fifty one (51) control samples from the Borrow Materials Investigation were collected during the reporting period. Bi-weekly composite samples of overflow and underflow were collected from each cyclone. In addition, bi-weekly composite sampling of the mill feed was carried out. Control and record testing carried out to date is presented at the end of this report.

Knight Piésold
CONSULTING

SECTION 4.0 - SUMMARY

- MPMC continued Stage 2C Construction activities.
- KP provided QA/QC and site supervision activities in accordance with the technical specifications.

Submitted by,

Wilson Muir, P.Eng., Knight Piésold

Distribution: Eric LeNeve, Tailings Coordinator, MPMC, Site
Don Parsons, Mine Superintendent, MPMC, Site
George Headley, Ministry of Energy and Mines, Victoria, B.C.
Ken Brouwer, Project Director/John Wilkinson, Project Manager, KP Vancouver

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION

ZONE FS CONTROL TEST SUMMARY SHEET

A:\JC-ZFS-SUM.XLS]summ table

04-Sep-99

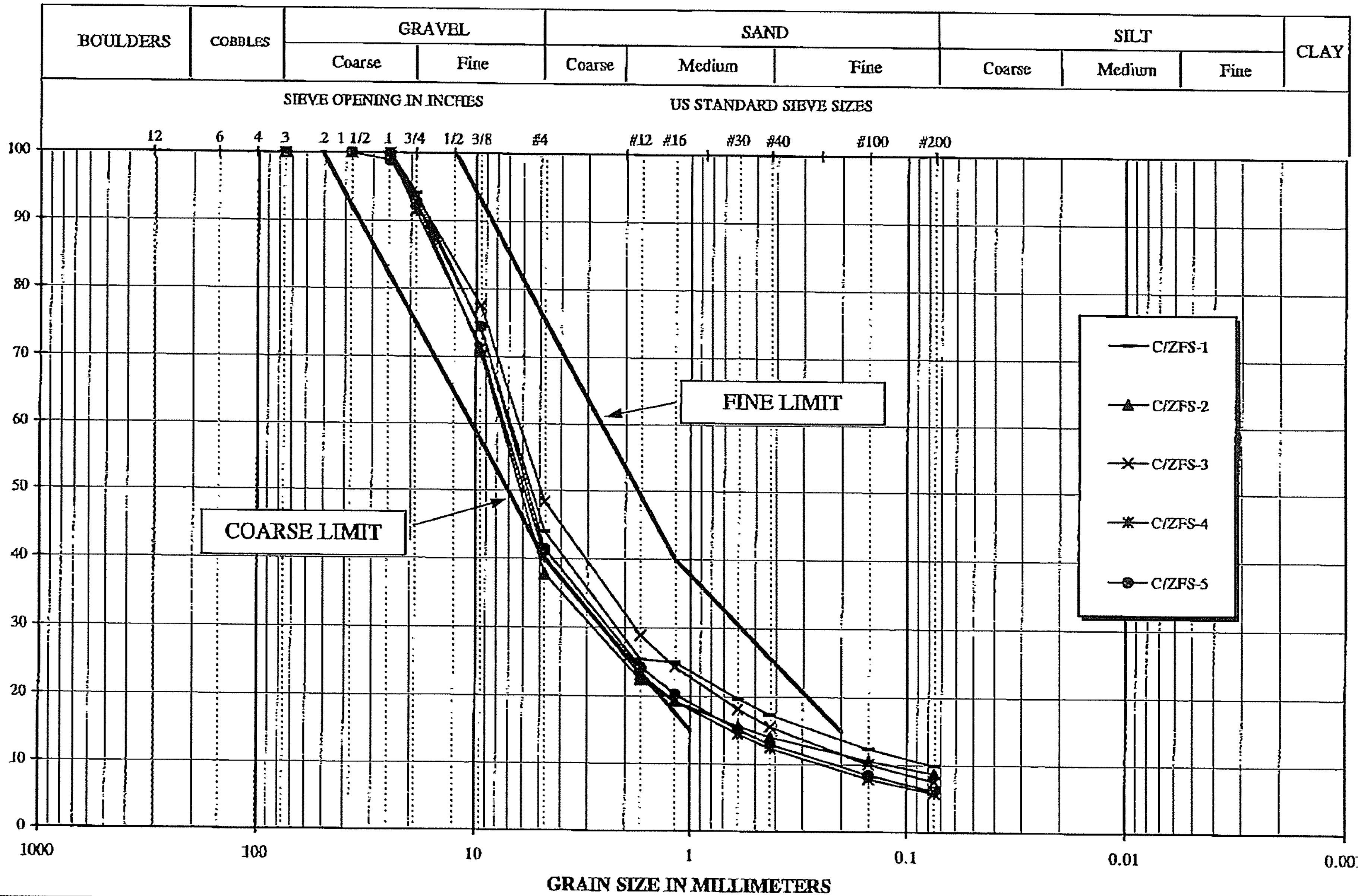
Date Sampled	Sample No.	Location	Elev (m)	R2 Field m/c %	R3 (Particle Size Distribution) 75 / 3	37.5 / 1 1/2	25 / 1	19.0 / 3/4	9.5 / 3/8	4.75 / #4	1.7 / #12	1.180 / #16	0.600 / #30	0.425 / #40	0.150 / #100	0.075 / #200
					Seive Sizes											
-	C/ZFS-1	Main Embankment Stockpile	-	-	100.0	100.0	100.0	94.2	74.0	44.0	25.4	25.0	19.7	17.4	12.4	9.9
-	C/ZFS-2	Main Embankment Stockpile	-	-	100.0	100.0	100.0	92.9	70.7	37.8	22.4	19.3	15.7	14.1	10.6	8.7
-	C/ZFS-3	Main Embankment Stockpile	-	-	100.0	100.0	100.0	93.6	77.5	48.4	28.9	24.3	18.2	15.6	10.1	7.5
-	C/ZFS-4	Main Embankment Stockpile	-	-	100.0	100.0	100.0	91.5	71.3	40.3	23.1	19.3	14.5	12.4	7.9	5.8
-	C/ZFS-5	Main Embankment Stockpile	-	-	100.0	100.0	98.9	92.9	74.4	41.5	24.3	20.3	15.2	13.0	8.5	6.1
			MEAN	#DIV/0!	100.0	100.0	99.8	93.0	73.6	42.4	24.8	21.6	16.7	14.5	9.9	7.6
			MEDIAN	#NUM!	100.0	100.0	100.0	92.9	74.0	41.5	24.3	20.3	15.7	14.1	10.1	7.5
			MAXIMUM	0.0	100.0	100.0	100.0	94.2	77.5	48.4	28.9	25.0	19.7	17.4	12.4	9.9
			MINIMUM	0.0	100.0	100.0	98.9	91.5	70.7	37.8	22.4	19.3	14.5	12.4	7.9	5.8

Notes:

R2 Moisture Content (ASTM D2216)

R3 Particle Size Distribution (ASTM D422)

MOUNT POLLEY MINING CORPORATION.
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION - ZONE FS CONTROL SAMPLES - GRADATION CURVES



KNIGHT PIESOLD LTD.
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 1 UNDERFLOW GRADATIONS

H:\ENG\DATA\Eng docs\CYCLONE DATA\tp cyclone gradations\D20-1 Summary.xls]Under Data

Knight Piesold CONSULTING

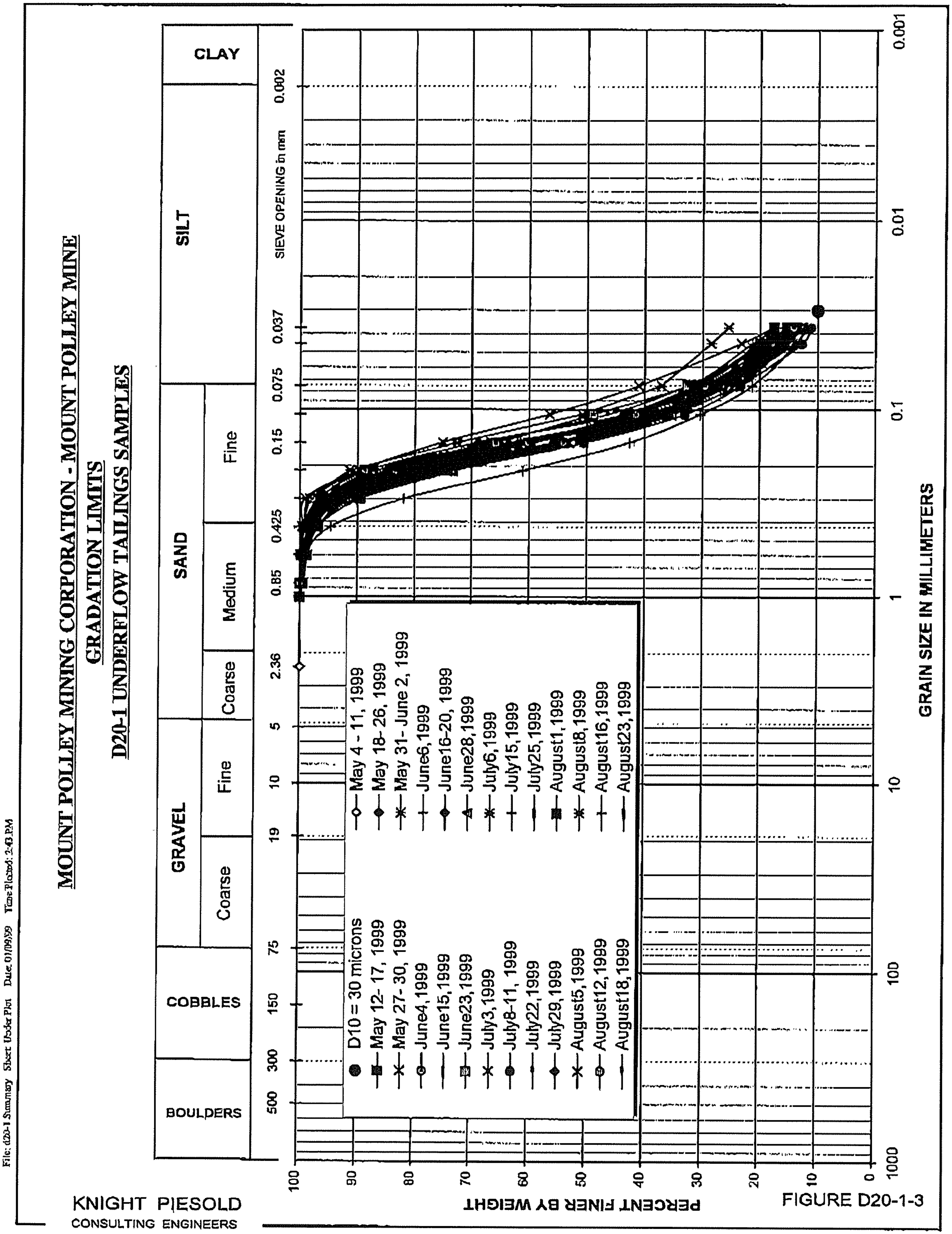
1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-1 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution												Hydrometer				
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400					
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #1	99.9	99.9	99.48	99.00	97.60	92.00	75.60	52.40	36.60	27.10	16.30	14.20	-	-	-	-	-
May 12-17, 1999	Cyclone #1		100.0	99.50	98.90	96.80	89.50	73.20	53.90	38.50	29.00	16.5	14.3	-	-	-	-	-
May 18-26, 1999	Cyclone #1			100.0	99.9	99.4	96.6	88.3	68.8	43.2	27.3	17.2	13.5	-	-	-	-	-
May 27-30, 1999	Cyclone #1		100.0	99.9	99.6	98.2	92.2	75.5	54.6	36.8	23.9	15.6	12.7	-	-	-	-	-
May 31- June 2, 1999	Cyclone #1			100.0	99.9	99.6	98.3	91.4	72.5	50.8	37.1	28.5	25.5	-	-	-	-	-
June 4,1999	Cyclone #1		100.0	99.8	99.2	96.8	91.7	77.4	54.1	35.9	24.4	15.9	12.9	-	-	-	-	-
June 6,1999	Cyclone #1		100.0	99.9	99.6	98.3	95.3	84.9	62.0	40.4	26.5	16.4	13.1	-	-	-	-	-
June15,1999	Cyclone #1		100.0	99.4	99.0	98.1	95.7	86.8	63.5	39.6	27.1	15.3	13.3	-	-	-	-	-
June 16-20, 1999	Cyclone #1		100.0	99.8	99.5	98.5	94.3	81.7	55.8	38.8	27.6	17.0	14.2	-	-	-	-	-
June 23,1999	Cyclone #1			100.0	99.8	99.3	97.7	83.8	65.8	49.0	32.7	19.1	15.4	-	-	-	-	-
June 28,1999	Cyclone #1		100.0	99.5	98.8	96.8	90.9	73.6	50.7	35.4	26.7	15.9	13.7	-	-	-	-	-
July 3,1999	Cyclone #1		100.0	99.4	98.7	97.1	93.7	83.4	59.8	37.6	27.1	16.3	14.2	-	-	-	-	-
July 6,1999	Cyclone #1		100.0	99.8	99.5	98.3	94.7	83.5	60.8	39.6	28.5	17.0	15.0	-	-	-	-	-
July 8-11, 1999	Cyclone #1		100.0	99.7	99.4	97.0	90.8	74.3	50.6	33.1	23.4	12.8	11.1	-	-	-	-	-
July 15,1999	Cyclone #1		100.0	99.7	99.2	94.6	82.0	61.0	42.6	30.4	21.3	13.7	12.0	-	-	-	-	-
July 22,1999	Cyclone #1		100.0	99.9	99.8	99.1	96.1	84.9	60.8	39.9	28.3	20.6	13.1	-	-	-	-	-
July 25,1999	Cyclone #1		100.0	99.6	99.1	97.9	94.1	82.5	59.2	41.9	30.7	19.1	14.3	-	-	-	-	-
July 29,1999	Cyclone #1		100.0	99.8	99.7	98.3	93.9	81.6	60.4	43.6	31.6	19.4	15.4	-	-	-	-	-
August 1,1999	Cyclone #1		100.0	99.9	99.7	98.2	92.7	78.0	55.4	42.4	31.5	19.8	17.6	-	-	-	-	-
August 5,1999	Cyclone #1			100.0	99.9	99.5	99.0	89.6	75.1	56.5	41.0	23.2	17.5	-	-	-	-	-
August 8,1999	Cyclone #1			100.0	99.9	99.0	93.8	79.4	55.8	38.0	27.9	18.1	14.8	-	-	-	-	-
August 12,1999	Cyclone #1			100.0	99.9	99.2	97.9	83.4	60.2	41.5	29.7	18.0	14.2	-	-	-	-	-
August 16,1999	Cyclone #1				100.0	99.4	93.2	79.6	59.6	42.9	31.7	21.3	16.9	-	-	-	-	-
August 18,1999	Cyclone #1		100.0	99.9	99.8	99.3	95.9	84.7	67.2	46.4	32.6	18.2	15.6	-	-	-	-	-
August 23,1999	Cyclone #1			100.0	99.9	99.2	94.9	77.8	55.5	36.8	26.0	14.1	12.0	-	-	-	-	-
	MEDIAN	99.9	100.0	99.9	99.6	98.3	94.3	81.7	59.6	39.6	27.9	17.0	14.2	-	-	-	-	-
	MAXIMUM	99.9	100.0	100.0	100.0	99.6	99.0	91.4	75.1	56.5	41.0	28.5	25.5	-	-	-	-	-
	MINIMUM	99.9	99.9	99.4	98.7	94.6	82.0	61.0	42.6	30.4	21.3	12.8	11.1	-	-	-	-	-

Notes: 1) These are 100% finite.


File: d20-1 Summary Sheet: Under Plot Date: 01/09/99 Time Plotted: 2:43 PM
MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-1 UNDERFLOW TAILINGS SAMPLES
BOULDERS
COBBLES
GRAVEL
Coarse
Fine
SAND
Coarse
Medium
Fine
SILT
CLAY
SIEVE OPENING in mm
500
300
150
75
19
10
5
2.36
0.85
0.425
0.15
0.075
0.037
0.002
D10 = 30 microns
May 4 - 11, 1999
May 12- 17, 1999
May 18- 26, 1999
May 27 - 30, 1999
May 31- June 2, 1999
June4,1999
June6,1999
June15,1999
June16-20, 1999
June23,1999
June28,1999
July3,1999
July6,1999
July8-11, 1999
July15,1999
July22,1999
July25,1999
July29,1999
August1,1999
August5,1999
August8,1999
August12,1999
August16,1999
August18,1999
August23,1999
PERCENT FINER BY WEIGHT
100
90
80
70
60
50
40
30
20
10
0
1000
100
10
1
0.1
0.01
0.001
GRAIN SIZE IN MILLIMETERS
FIGURE D20-1-3
KNIGHT PIESOLD
CONSULTING ENGINEERS

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 2 UNDERFLOW GRADATIONS

R:\ENGDATA\Eng doc\CYCLONE DATA\to cyclone gradations\D20-2 Summary.xls]Under Data

Knight Piesold CONSULTING

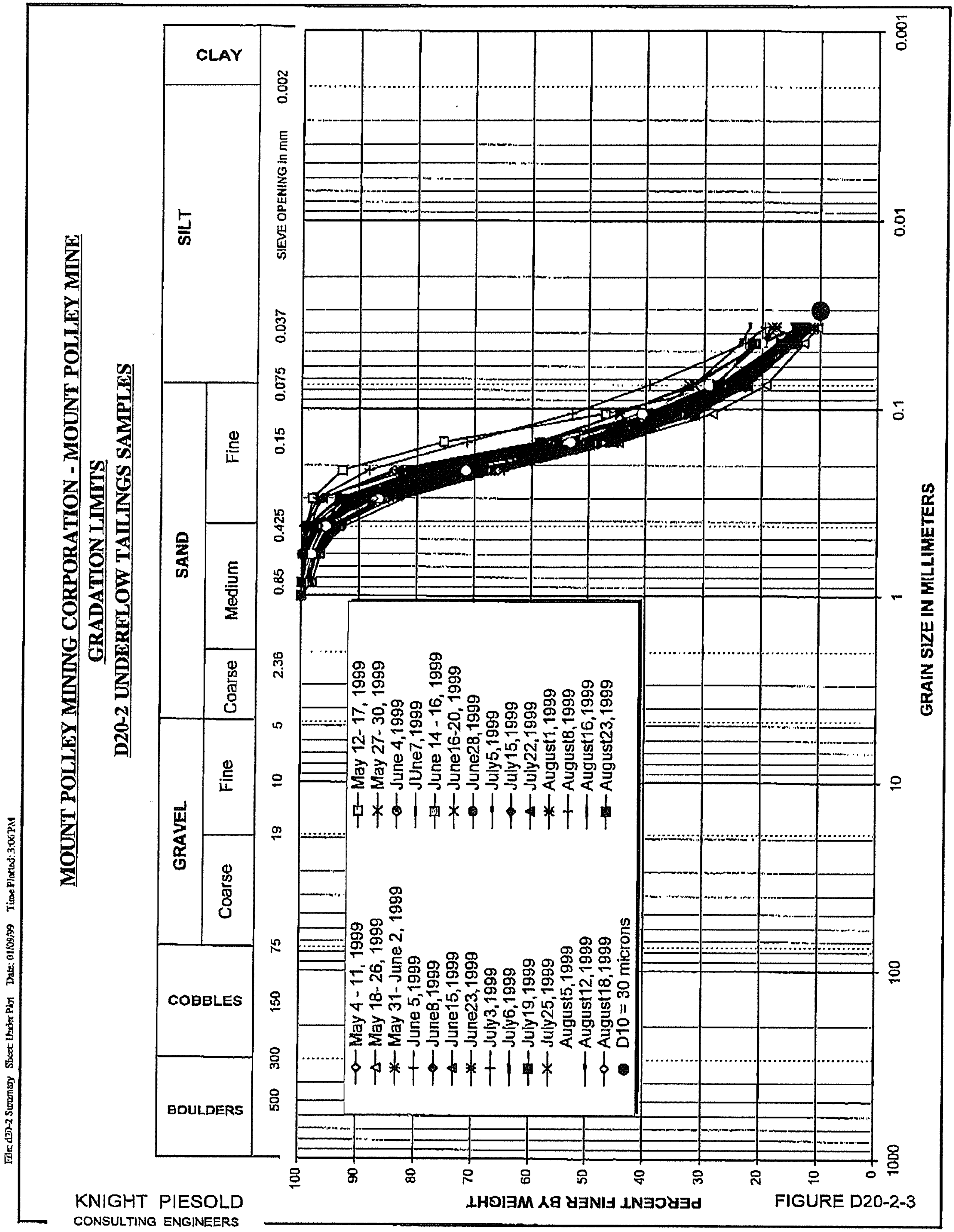
1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET: 1 of 1
PERIOD: 31-Aug-99
PROJECT #: 11162/10
AREA: Tailings Storage Facility

PROJECT: MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL: D20-2 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
May 4 - 11, 1999	Cyclone #2			100.00	99.90	99.30	96.30	84.00	58.80	39.00	26.40	16.60	14.40	-	-	-	-	-
May 12- 17, 1999	Cyclone #2		100.0	99.80	99.50	99.10	98.00	92.90	75.30	47.00	26.60	16.1	12.4	-	-	-	-	-
May 18- 26, 1999	Cyclone #2		100.0	99.3	98.3	95.1	86.1	67.8	44.7	28.5	19.3	12.8	10.4	-	-	-	-	-
May 27- 30, 1999	Cyclone #2		100.0	100.0	99.7	98.9	93.5	80.0	51.3	36.4	26.1	14.9	13.1	-	-	-	-	-
May 31- June 2, 1999	Cyclone #2		100.0	99.1	98.3	95.5	88.9	72.9	50.4	33.6	22.4	14.2	11.1	-	-	-	-	-
June 4,1999	Cyclone #2		100.0	98.1	96.6	93.1	87.3	73.6	50.5	33.8	24.1	16.8	14.3	-	-	-	-	-
June 5,1999	Cyclone #2		100.0	99.3	98.3	94.1	84.2	64.9	44.8	32.0	23.6	16.4	13.8	-	-	-	-	-
June 7,1999	Cyclone #2		100.0	98.9	97.8	95.6	89.1	75.1	48.6	35.0	22.9	15.7	12.9	-	-	-	-	-
June 8,1999	Cyclone #2		100.0	99.3	98.5	95.7	93.4	79.4	55.9	37.5	27.3	16.1	13.6	-	-	-	-	-
June 14 - 16, 1999	Cyclone #2		100.0	98.3	98.1	94.6	85.9	68.6	49.2	35.0	26.3	16.2	14.2	-	-	-	-	-
June 15,1999	Cyclone #2		100.0	98.1	96.8	93.5	85.7	69.5	47.8	31.6	22.5	14.1	12.7	-	-	-	-	-
June 16-20, 1999	Cyclone #2		100.0	98.7	97.4	95.4	89.9	77.9	55.5	38.8	26.9	16.4	13.7	-	-	-	-	-
June 23,1999	Cyclone #2		100.0	98.7	97.3	94.0	88.3	71.3	45.8	32.5	22.4	14.1	11.6	-	-	-	-	-
June 28,1999	Cyclone #2		100.0	98.7	97.6	94.6	86.4	66.5	45.7	31.9	23.8	14.0	12.2	-	-	-	-	-
July 3,1999	Cyclone #2			100.0	99.9	99.6	97.2	88.3	71.3	52.9	39.4	22.9	19.5	-	-	-	-	-
July 5,1999	Cyclone #2		100.0	98.9	97.6	92.6	82.5	66.0	50.5	39.2	31.9	23.7	22.1	-	-	-	-	-
July 6,1999	Cyclone #2		100.0	99.1	98.4	96.4	91.8	77.3	52.9	35.1	25.4	15.1	13.5	-	-	-	-	-
July 15,1999	Cyclone #2		100.0	99.9	99.7	97.4	90.0	73.3	55.3	41.0	27.7	16.9	14.8	-	-	-	-	-
July 19,1999	Cyclone #2		100.0	99.9	99.7	98.7	93.4	76.3	53.0	38.1	27.7	21.7	13.6	-	-	-	-	-
July 22,1999	Cyclone #2			100.0	99.9	99.3	96.3	83.3	58.5	40.2	29.2	20.2	13.6	-	-	-	-	-
July 25,1999	Cyclone #2		100.0	99.6	99.2	98.2	97.0	81.3	58.8	44.6	31.7	20.3	18.3	-	-	-	-	-
August 1,1999	Cyclone #2		100.0	99.7	99.2	96.8	91.4	78.9	57.8	44.5	32.5	19.9	17.5	-	-	-	-	-
August 5,1999	Cyclone #2		100.0	99.7	98.3	95.7	86.8	71.5	53.2	40.6	29.2	20.1	15.8	-	-	-	-	-
August 8,1999	Cyclone #2			100.0	99.8	97.8	88.5	68.4	46.9	32.3	23.8	15.5	12.7	-	-	-	-	-
August 12,1999	Cyclone #2		100.0	99.9	99.7	98.0	92.3	73.6	51.8	36.7	27.1	17.3	14.3	-	-	-	-	-
August 16,1999	Cyclone #2			100.0	99.9	98.9	93.1	74.7	55.4	39.4	28.4	20.5	14.6	-	-	-	-	-
August 18,1999	Cyclone #2		100.0	99.9	99.6	97.0	87.6	65.9	47.5	33.9	25.0	15.0	13.1	-	-	-	-	-
August 23,1999	Cyclone #2		100.0	99.9	99.7	97.8	90.3	69.6	49.8	34.7	25.4	14.7	12.7	-	-	-	-	-
	MEDIAN	#NUM!	100.0	99.6	98.8	96.6	90.0	73.6	51.5	36.6	26.3	16.3	13.6	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	99.9	99.6	98.0	92.9	75.3	52.9	39.4	23.7	22.1	-	-	-	-	-
	MINIMUM	0.0	100.0	98.1	96.6	92.6	82.5	64.9	44.7	28.5	19.3	12.8	10.4	-	-	-	-	-

Notes: 1) These are 100% limits.


MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-2 UNDERFLOW TAILINGS SAMPLES
BOULDERS
COBBLES
GRAVEL
Coarse
Fine
SAND
Coarse
Medium
Fine
SILT
CLAY
500 300 150 75 19 10 5 2.36 0.85 0.425 0.15 0.075 0.037 0.002
SIEVE OPENING in mm
May 4 - 11, 1999
May 18- 26, 1999
May 31- June 2, 1999
June 5,1999
June8,1999
June15,1999
June23,1999
July3,1999
July6,1999
July19,1999
July25,1999
August5,1999
August12,1999
August18,1999
D10 = 30 microns
May 12- 17, 1999
May 27- 30, 1999
June 4,1999
JUne7,1999
June 14 - 16, 1999
June16-20, 1999
June28,1999
July5,1999
July15,1999
July22,1999
August1,1999
August8,1999
August16,1999
August23,1999
100 90 80 70 60 50 40 30 20 10 0
PERCENT FINER BY WEIGHT
1000 100 10 1 0.1 0.01 0.001
GRAIN SIZE IN MILLIMETERS
KNIGHT PIESOLD
CONSULTING ENGINEERS
FIGURE D20-2-3
File: d20-2 Summary Sheet: Under Plot Date: 01/09/99 Time Plotted: 3:06 PM

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 3 UNDERFLOW GRADATIONS

B:\ENG\DATA\...\CYCLONE DATA\...cyclone gradation\(D20-3 Summary.xls) Under Data

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

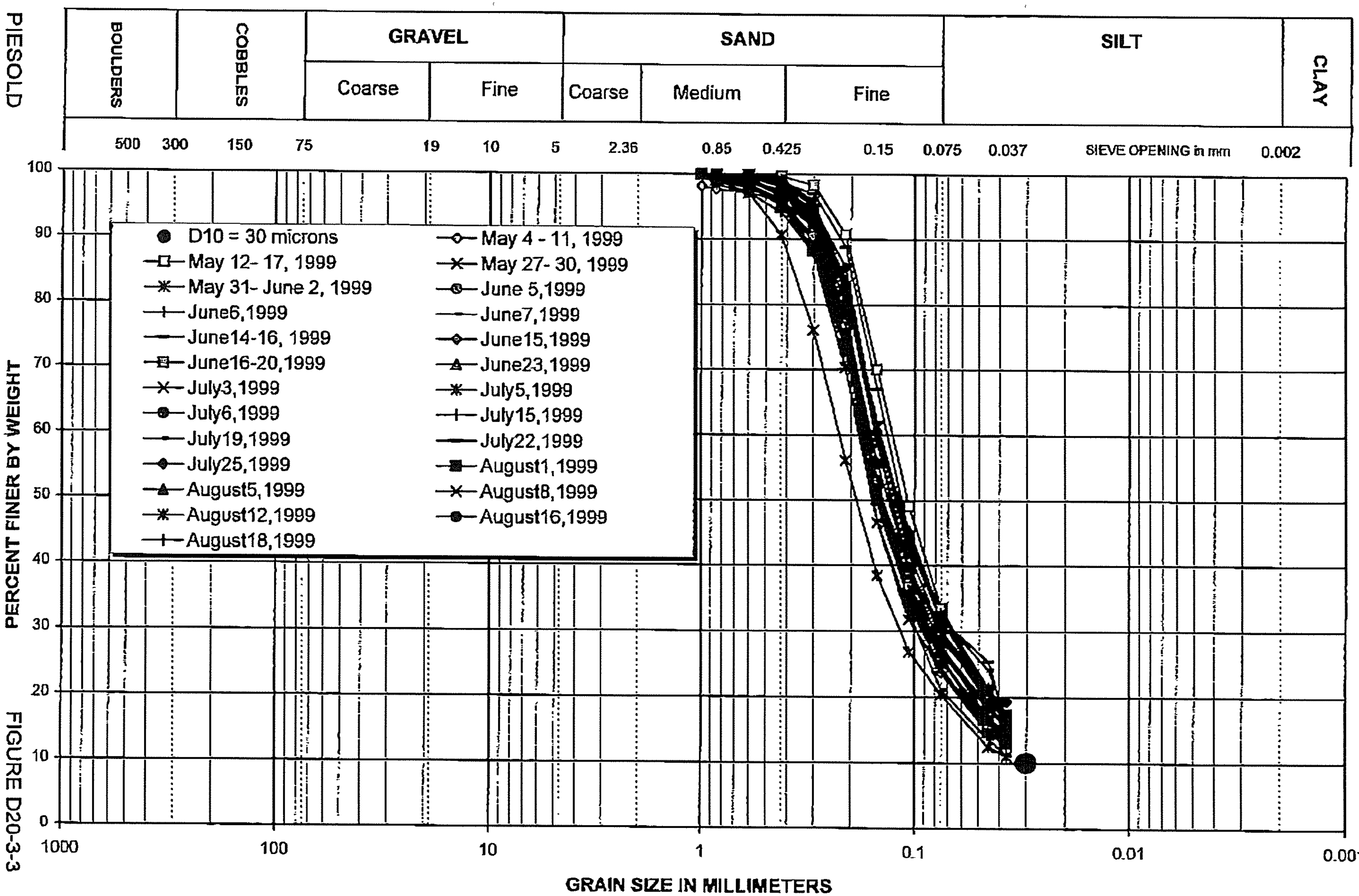
PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-3 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution												Hydrometer				
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400					
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #3	98.2	98.2	97.65	97.15	95.95	91.95	77.65	52.35	34.95	23.75	14.75	14.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #3	99.9	99.9	99.90	99.90	99.70	98.30	90.70	70.00	49.10	33.40	20.9	16.2	-	-	-	-	-
May 27- 30, 1999	Cyclone #3		100.0	100.0	99.7	98.9	93.5	80.0	51.3	36.4	26.1	14.9	13.1	-	-	-	-	-
June 5,1999	Cyclone #3		100.0	99.6	99.1	97.3	92.0	76.1	53.1	37.3	26.8	18.3	15.5	-	-	-	-	-
June 6,1999	Cyclone #3		100.0	99.9	99.5	98.1	94.4	83.4	59.4	39.5	27.6	18.7	15.7	-	-	-	-	-
June 7,1999	Cyclone #3		100.0	99.8	99.5	98.2	91.9	75.0	46.8	32.9	21.1	13.7	11.1	-	-	-	-	-
June 14-16, 1999	Cyclone #3		100.0	99.8	99.3	96.6	88.1	70.1	49.5	35.2	26.2	15.9	13.9	-	-	-	-	-
June 15,1999	Cyclone #3		100.0	99.5	99.1	97.5	91.5	73.8	51.0	36.7	29.0	20.6	19.4	-	-	-	-	-
June 16-20,1999	Cyclone #3		100.0	99.0	97.9	95.8	90.4	76.8	51.8	36.7	25.8	15.7	13.0	-	-	-	-	-
June 23,1999	Cyclone #3		100.0	99.6	99.3	97.3	93.1	78.1	55.8	39.8	30.1	19.2	17.0	-	-	-	-	-
July 3,1999	Cyclone #3		100.0	99.3	98.5	96.0	88.3	70.3	46.6	31.8	24.2	14.6	12.7	-	-	-	-	-
July 5,1999	Cyclone #3		100.0	99.0	97.1	90.7	76.1	56.1	38.4	26.9	20.4	12.4	11.0	-	-	-	-	-
July 6,1999	Cyclone #3		100.0	99.2	98.8	97.4	93.8	81.8	58.9	38.7	28.0	16.6	14.6	-	-	-	-	-
July 15,1999	Cyclone #3		100.0	98.4	97.1	94.2	88.1	72.9	51.2	36.2	25.6	16.8	14.9	-	-	-	-	-
July 19,1999	Cyclone #3		100.0	99.3	98.9	97.3	93.1	82.0	61.9	44.1	32.2	24.1	17.3	-	-	-	-	-
July 22,1999	Cyclone #3		100.0	99.6	99.4	98.7	97.0	89.9	67.0	44.7	31.9	25.4	15.3	-	-	-	-	-
July 25,1999	Cyclone #3		100.0	99.4	98.7	97.4	94.7	85.7	60.4	43.3	31.7	20.9	16.0	-	-	-	-	-
August 1,1999	Cyclone #3		100.0	99.1	98.2	95.2	88.3	73.1	51.8	39.8	29.9	19.4	17.4	-	-	-	-	-
August 5,1999	Cyclone #3		100.0	99.9	99.7	99.0	95.3	83.8	60.7	45.4	32.8	21.4	16.9	-	-	-	-	-
August 8,1999	Cyclone #3		100.0	99.6	99.1	96.6	89.5	74.0	51.3	34.9	25.9	16.4	13.4	-	-	-	-	-
August 12,1999	Cyclone #3		100.0	99.9	99.8	99.2	95.8	82.3	61.2	41.9	30.0	21.4	15.3	-	-	-	-	-
August 16,1999	Cyclone #3			100.0	99.9	98.5	92.7	75.3	55.6	39.8	29.6	20.5	16.9	-	-	-	-	-
August 18,1999	Cyclone #3			100.0	99.8	98.7	95.1	76.4	51.1	34.2	24.4	15.3	12.8	-	-	-	-	-
	MEDIAN	99.0	100.0	99.6	99.1	97.4	92.7	76.8	52.4	37.3	27.6	18.3	15.3	-	-	-	-	-
	MAXIMUM	99.9	100.0	100.0	99.9	99.7	98.3	90.7	70.0	49.1	33.4	25.4	19.4	-	-	-	-	-
	MINIMUM	98.2	98.2	97.7	97.1	90.7	76.1	56.1	38.4	26.9	20.4	12.4	11.0	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-3 Summary Sheet: Under Plot (2) Date: 01/09/99 Time Plotted: 3:17 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-3 UNDERFLOW TAILINGS SAMPLES



KNIGHT PIESOLD
CONSULTING ENGINEERS

FIGURE D20-3-3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 4 UNDERFLOW GRADATIONS

X:\ENG\DATA\Eng doc\CYCLONE DATA\sp cyclone grads5.xls [C20-4 Summary.xls]Under Data

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 1162/10
AREA : Tailings Storage Facility

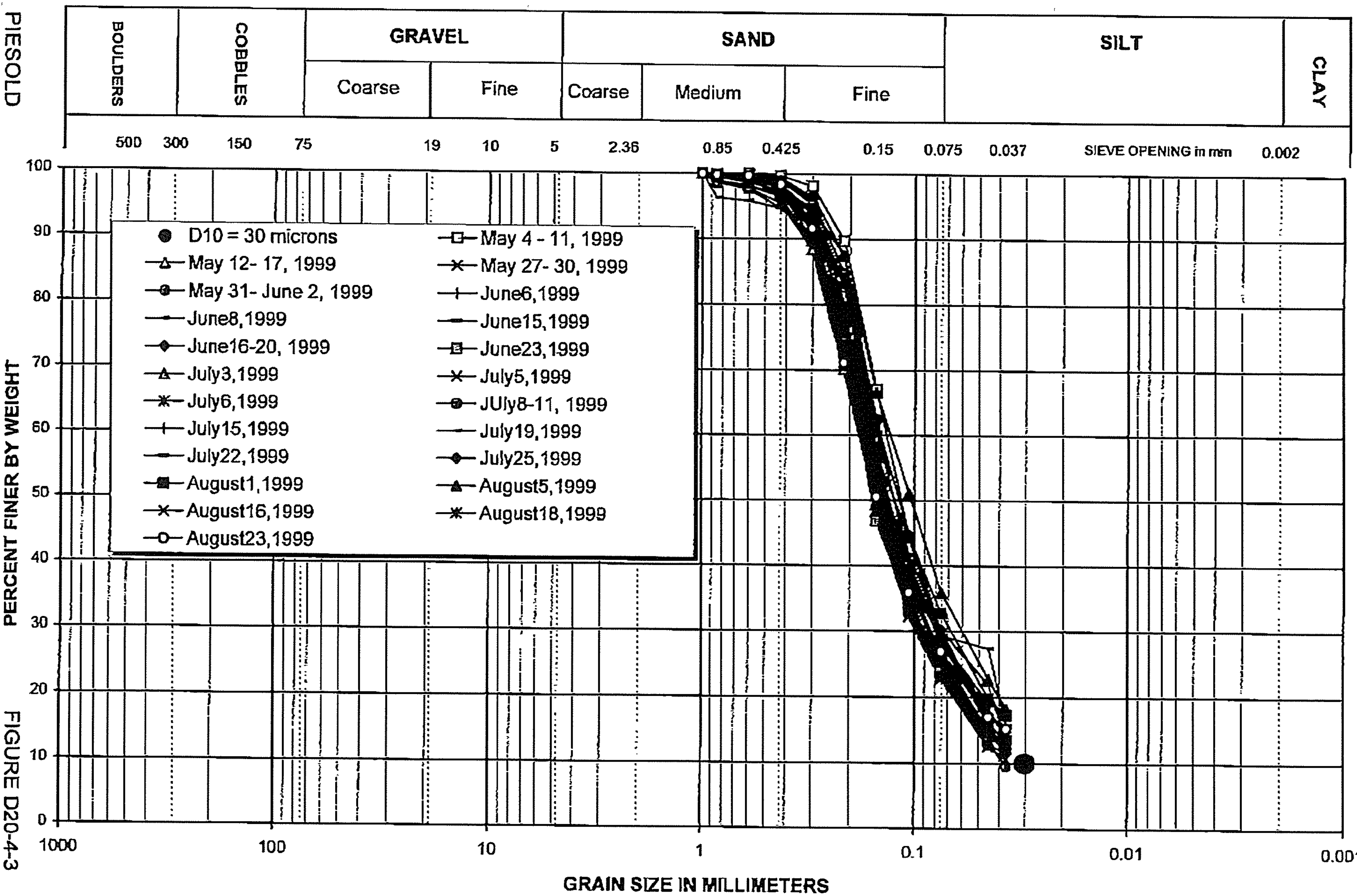
PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-4 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%						
May 4 - 11, 1999	Cyclone #4				100.00	99.70	98.10	89.70	67.10	44.30	28.50	16.10	13.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #4		100.0	98.60	97.80	93.50	88.40	70.20	49.30	34.00	25.20	14.4	12.3	-	-	-	-	-
May 27- 30, 1999	Cyclone #4		100.0	99.7	99.2	97.8	94.0	77.0	52.6	34.2	23.0	15.1	12.4	-	-	-	-	-
May 31- June 2, 1999	Cyclone #4		100.0	99.9	99.7	98.9	95.5	84.7	62.5	39.5	24.2	13.5	9.5	-	-	-	-	-
June 6,1999	Cyclone #4		100.0	98.7	97.6	94.7	90.5	77.7	53.6	35.4	23.8	15.1	12.2	-	-	-	-	-
June 8,1999	Cyclone #4		100.0	99.9	99.8	99.4	96.4	84.7	52.7	38.6	24.2	15.6	12.2	-	-	-	-	-
June 15,1999	Cyclone #4			100.0	99.9	99.2	95.3	80.2	52.4	33.2	23.8	14.4	13.0	-	-	-	-	-
June 16-20, 1999	Cyclone #4		100.0	99.7	99.2	98.0	94.4	83.4	55.8	40.4	28.9	17.5	14.9	-	-	-	-	-
June 23,1999	Cyclone #4		100.0	98.8	98.3	96.5	92.0	74.3	46.9	34.0	23.9	15.5	12.7	-	-	-	-	-
July 3,1999	Cyclone #4		100.0	98.8	98.1	96.6	93.2	82.8	58.0	37.4	26.7	14.9	12.8	-	-	-	-	-
July 5,1999	Cyclone #4		100.0	99.9	99.6	97.6	89.8	71.3	48.5	32.1	22.8	12.6	10.6	-	-	-	-	-
July 6,1999	Cyclone #4		100.0	99.8	99.6	98.4	93.9	78.6	54.0	36.3	26.0	14.5	12.6	-	-	-	-	-
July 8-11, 1999	Cyclone #4		100.0	99.5	99.0	96.9	91.5	75.7	50.4	32.9	23.2	12.9	11.8	-	-	-	-	-
July 15,1999	Cyclone #4		100.0	99.9	99.4	96.3	89.3	73.7	52.7	38.8	28.4	19.3	17.4	-	-	-	-	-
July 19,1999	Cyclone #4		100.0	96.3	95.8	94.8	92.2	72.4	51.8	38.5	29.3	27.4	15.8	-	-	-	-	-
July 22,1999	Cyclone #4		100.0	99.8	99.5	98.7	96.0	84.5	60.5	41.6	30.2	21.9	13.9	-	-	-	-	-
July 25,1999	Cyclone #4		100.0	99.6	99.3	98.6	96.7	87.4	62.1	44.7	30.2	16.0	13.6	-	-	-	-	-
August 1,1999	Cyclone #4		100.0	99.6	99.1	97.1	92.0	79.3	57.0	44.3	32.6	19.8	17.3	-	-	-	-	-
August 5,1999	Cyclone #4		100.0	99.5	98.7	97.4	94.8	87.4	66.6	51.0	35.8	22.7	18.3	-	-	-	-	-
August16,1999	Cyclone #4			100.0	99.8	98.6	92.6	74.2	54.8	39.2	28.5	18.1	14.6	-	-	-	-	-
August18,1999	Cyclone #4		100.0	99.9	99.7	98.3	91.6	70.7	49.8	34.6	25.3	14.9	13.0	-	-	-	-	-
August 23,1999	Cyclone #4		100.0	99.8	99.7	98.4	91.6	71.2	50.5	35.8	26.9	17.1	15.3	-	-	-	-	-
	MEDIAN	#NUM!	100.0	99.7	99.4	97.9	92.9	78.1	53.2	38.0	26.3	15.5	13.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.7	98.1	89.7	67.1	51.0	35.8	27.4	18.3	-	-	-	-	-
	MINIMUM	0.0	100.0	96.3	95.8	94.7	88.4	70.2	46.9	32.1	22.8	12.6	9.5	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-4 Summary Sheet: Undar Plot Date: 01/09/99 Time Plotted: 3:35 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-4 UNDERFLOW TAILINGS SAMPLES



KNIGHT PIESOLD
CONSULTING ENGINEERS

FIGURE D20-4-3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 5 UNDERFLOW GRADATIONS

H:\ENG\DATA\Eng docs\CYCLONE DATA\Sp cyclone gradations\[D20-5 Summary.xls]Under Data

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

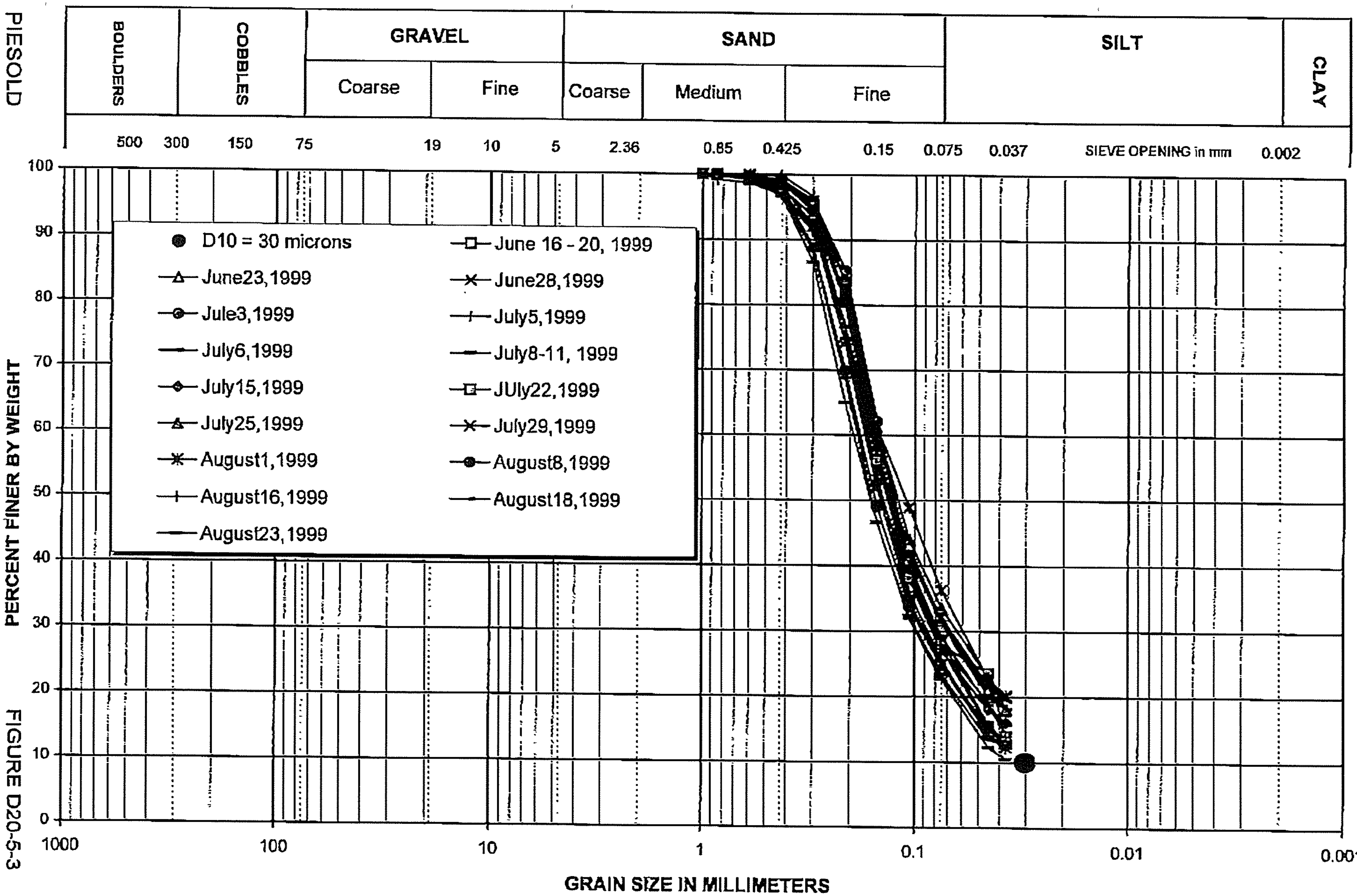
SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-5 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution												Hydrometer				
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400					
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #5		100.0	99.93	99.68	98.70	94.85	83.58	56.80	41.20	27.53	15.53	13.05	-	-	-	-	-
June 23,1999	Cyclone #5		100.0	99.78	99.15	97.43	93.93	80.50	56.68	43.15	31.60	21.1	17.9	-	-	-	-	-
June 28,1999	Cyclone #5		100.0	99.93	99.70	98.35	92.08	74.25	51.90	34.75	24.95	14.3	12.4	-	-	-	-	-
July 3,1999	Cyclone #5		100.0	99.95	99.80	98.95	95.90	85.35	62.10	40.58	28.75	15.7	13.3	-	-	-	-	-
July 5,1999	Cyclone #5		100.0	99.13	98.65	96.90	91.38	76.50	53.83	36.03	25.63	14.1	12.1	-	-	-	-	-
July 6,1999	Cyclone #5		100.0	99.88	99.43	97.30	91.70	76.70	56.80	41.50	31.35	20.1	18.1	-	-	-	-	-
July 8 11, 1999	Cyclone #5		100.0	99.75	99.40	96.65	88.48	68.83	46.55	32.38	23.40	13.63	12.70	-	-	-	-	-
July 15,1999	Cyclone #5		100.0	99.98	99.83	98.33	92.23	74.48	52.83	38.03	27.08	18.1	16.1	-	-	-	-	-
July 22,1999	Cyclone #5		100.0	99.88	99.60	98.58	95.08	81.15	56.03	38.20	28.08	23.6	14.0	-	-	-	-	-
July 25,1999	Cyclone #5		100.0	99.95	99.80	99.18	96.05	83.98	61.08	44.05	33.55	23.0	18.2	-	-	-	-	-
July 29,1999	Cyclone #5		100.0	99.99	99.94	99.18	95.02	81.29	59.80	41.90	32.17	21.6	19.9	-	-	-	-	-
August 1,1999	Cyclone #5		100.0	99.98	99.92	98.83	94.45	81.63	61.07	48.92	36.25	22.7	20.2	-	-	-	-	-
August 8,1999	Cyclone #5		100.0	99.88	99.60	97.78	88.88	69.95	49.03	33.75	24.83	15.4	12.6	-	-	-	-	-
August 16,1999	Cyclone #5				100.0	99.8	96.7	80.7	58.1	39.4	27.9	19.2	14.0	-	-	-	-	-
August 18,1999	Cyclone #5			100.0	99.8	97.8	93.8	76.7	57.6	40.0	29.2	18.8	15.8	-	-	-	-	-
August 23,1999	Cyclone #5		100.0	99.9	99.7	97.0	86.7	65.0	46.7	32.0	22.8	12.3	10.5	-	-	-	-	-
	MEDIAN	#NUM!	100.0	99.9	99.7	98.3	93.9	78.6	56.7	39.7	28.0	18.4	14.0	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.8	96.7	85.4	62.1	48.9	36.3	23.6	20.2	-	-	-	-	-
	MINIMUM	0.0	100.0	99.1	98.7	96.7	86.7	65.0	46.6	32.0	22.8	12.3	10.5	-	-	-	-	-

Notes: 1) These are 100% limits.

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-5 UNDERFLOW TAILINGS SAMPLES



KNIGHT PIESOLD
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FIGURE D20-5-3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 6 UNDERFLOW GRADATIONS

H:\EXP\DATA\Eng data\CYCLONE DATA\lp cyclone gradations\D20-6 Summary.xls]Under Data

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1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-6 UNDERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
June 16 - 20, 1999	Cyclone #6		100.0	99.95	99.80	99.40	96.63	85.15	55.75	39.90	27.65	16.00	12.63	-	-		-	-
June 23, 1999	Cyclone #6		100.0	99.95	99.88	99.70	98.38	90.33	68.33	45.35	31.73	17.4	14.5	-	-	-	-	-
June 28, 1999	Cyclone #6		100.0	99.95	99.70	98.30	92.93	78.58	56.25	37.78	27.65	16.2	14.1	-	-	-	-	-
July 3, 1999	Cyclone #6			100.00	99.98	99.83	98.90	93.35	74.25	48.00	31.93	16.7	14.0	-	-	-	-	-
July 5, 1999	Cyclone #6		100.0	99.98	99.88	99.30	95.25	80.10	55.20	37.48	27.50	15.8	13.8	-	-	-	-	-
July 6, 1999	Cyclone #6		100.0	99.95	99.93	99.75	98.33	90.23	68.55	44.43	31.03	17.1	14.6	-	-	-	-	-
July 8-11, 1999	Cyclone #6		100.0	99.93	99.75	98.95	96.65	84.43	61.55	40.78	28.15	19.2	14.1	-	-	-	-	-
July 15, 1999	Cyclone #6		100.0	99.98	99.95	99.78	98.20	88.53	62.95	42.63	29.33	19.0	16.5	-	-	-	-	-
July 19, 1999	Cyclone #6			100.00	99.95	99.65	98.00	87.83	65.30	45.55	32.73	24.3	17.7	-	-	-	-	-
July 22, 1999	Cyclone #6				100.00	99.88	98.85	91.65	68.98	46.10	32.80	20.6	14.9	-	-	-	-	-
July 25, 1999	Cyclone #6		100.0	99.88	99.70	99.00	96.25	87.15	63.60	48.65	37.88	26.3	22.4	-	-	-	-	-
August 1, 1999	Cyclone #6		100.0	99.90	99.57	97.30	90.72	73.93	51.68	39.77	29.48	18.7	16.5	-	-	-	-	-
August 5, 1999	Cyclone #6		100.0	99.9	99.4	98.8	97.9	83.5	66.3	49.6	37.0	22.9	18.3	-	-	-	-	-
August 8, 1999	Cyclone #6		100.0	99.9	99.6	97.2	89.0	71.0	48.2	32.8	24.1	15.6	12.9	-	-	-	-	-
August 12, 1999	Cyclone #6			100.0	99.9	99.2	94.2	77.2	55.4	38.4	28.0	21.9	15.1	-	-	-	-	-
August 16, 1999	Cyclone #6			100.0	99.9	99.2	93.9	76.7	58.0	42.5	31.4	21.7	17.0	-	-	-	-	-
August 23, 1999	Cyclone #6		100.0	100.0	100.0	99.9	97.7	85.7	62.8	42.4	30.8	17.9	15.6	-	-	-	-	-
	MEDIAN	#NUM!	100.0	100.0	99.9	99.3	96.7	85.2	62.8	42.5	30.8	18.7	14.9	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.9	98.9	93.4	74.3	49.6	37.9	26.3	22.4	-	-	-	-	-
	MINIMUM	0.0	100.0	99.9	99.4	97.2	89.0	71.0	48.2	32.8	24.1	15.6	12.6	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-6 Summary Sheet: Under Plot Date: 01/09/99 Time Plotted: 3:47 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-6 UNDERFLOW TAILINGS SAMPLES

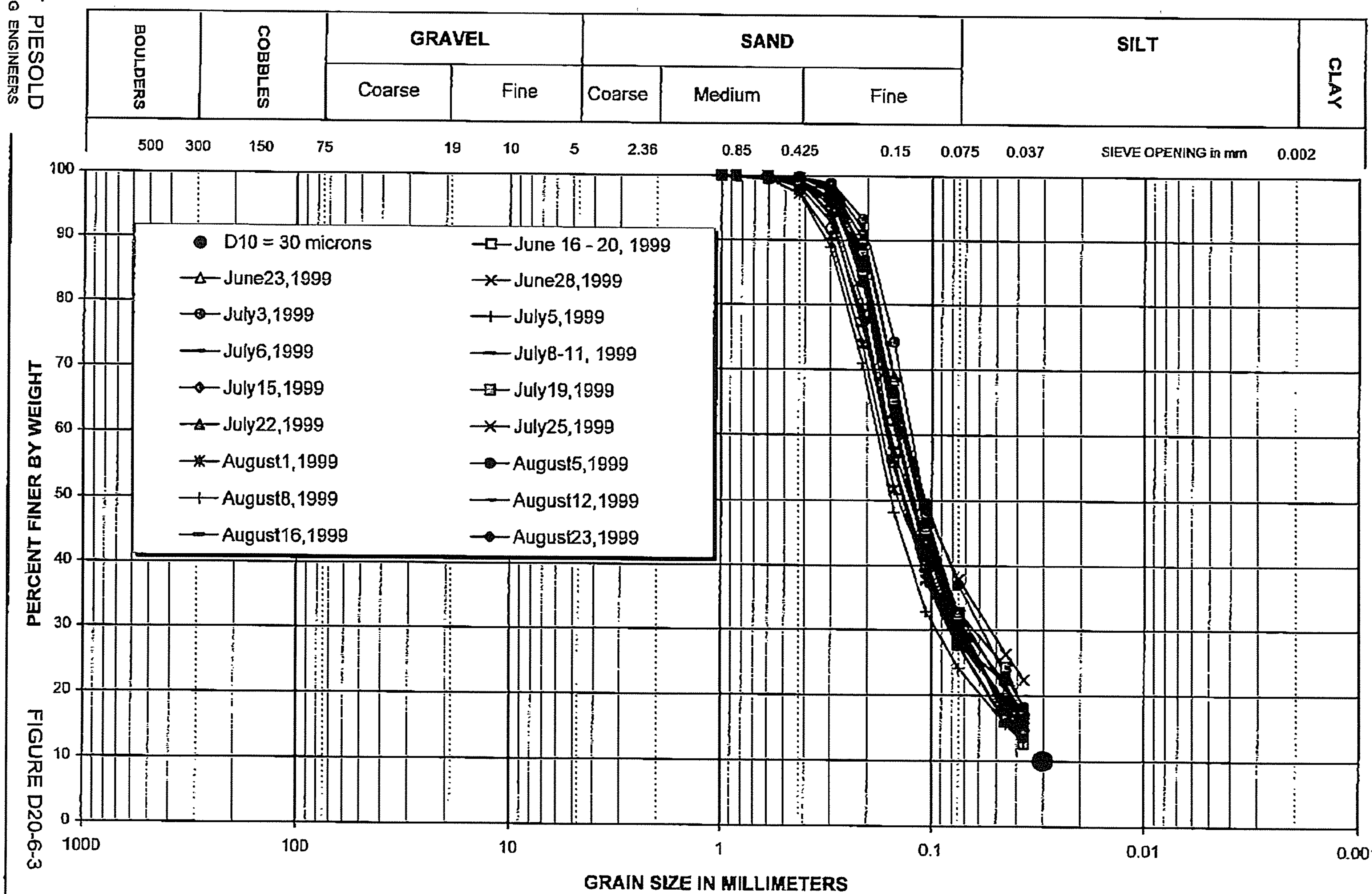

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FIGURE D20-6-3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 1 OVERFLOW GRADATIONS

E:\ENGDATA\TailingsDam\CYCLONE DATA\kp cyclone gradations\[D20-1 Summary.xls]Over.Data

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-1 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #1					100.00	99.70	97.60	91.60	83.00	74.20	64.20	61.30	-	-	-	-	-
May 12 - 17, 1999	Cyclone #1		99.9	95.70	95.10	93.20	89.00	77.90	65.80	52.80	44.00	32.0	29.4	-	-	-	-	-
May 27 - 30, 1999	Cyclone #1			100.0	100.0	99.9	99.9	99.3	96.7	89.4	77.6	63.7	56.8	-	-	-	-	-
June16-20, 1999	Cyclone #1				100.0	99.9	99.7	98.7	93.8	84.1	73.0	56.9	50.9	-	-	-	-	-
June23, 1999	Cyclone #1		100.0	99.9	99.7	99.1	98.5	96.2	90.1	82.3	73.3	62.1	57.9	-	-	-	-	-
July3, 1999	Cyclone #1						100.0	99.6	96.3	87.8	76.8	58.4	53.4	-	-	-	-	-
July6, 1999	Cyclone #1		100.0	99.8	99.8	99.7	99.6	98.9	95.4	85.9	73.4	52.6	47.4	-	-	-	-	-
July8-11, 1999	Cyclone #1		100.0	99.8	99.5	99.5	99.2	97.3	90.8	79.2	67.3	48.1	44.7	-	-	-	-	-
July15, 1999	Cyclone #1		100.0	99.9	99.8	99.7	99.0	95.5	86.9	75.4	62.6	48.9	45.2	-	-	-	-	-
	MEDIAN		100.0	99.8	99.8	99.7	99.6	97.6	91.6	83.0	73.3	56.9	50.9	-	-	-	-	-
	MAXIMUM		100.0	100.0	100.0	100.0	100.0	99.6	96.7	89.4	77.6	64.2	61.3	-	-	-	-	-
	MINIMUM		99.9	95.7	95.1	93.2	89.0	77.9	65.8	52.8	44.0	32.0	29.4	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-1 Summary Sheet: OVER PLOT Date: 01/09/99 Time Plotted: 2:43 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-1 OVERFLOW TAILINGS SAMPLES

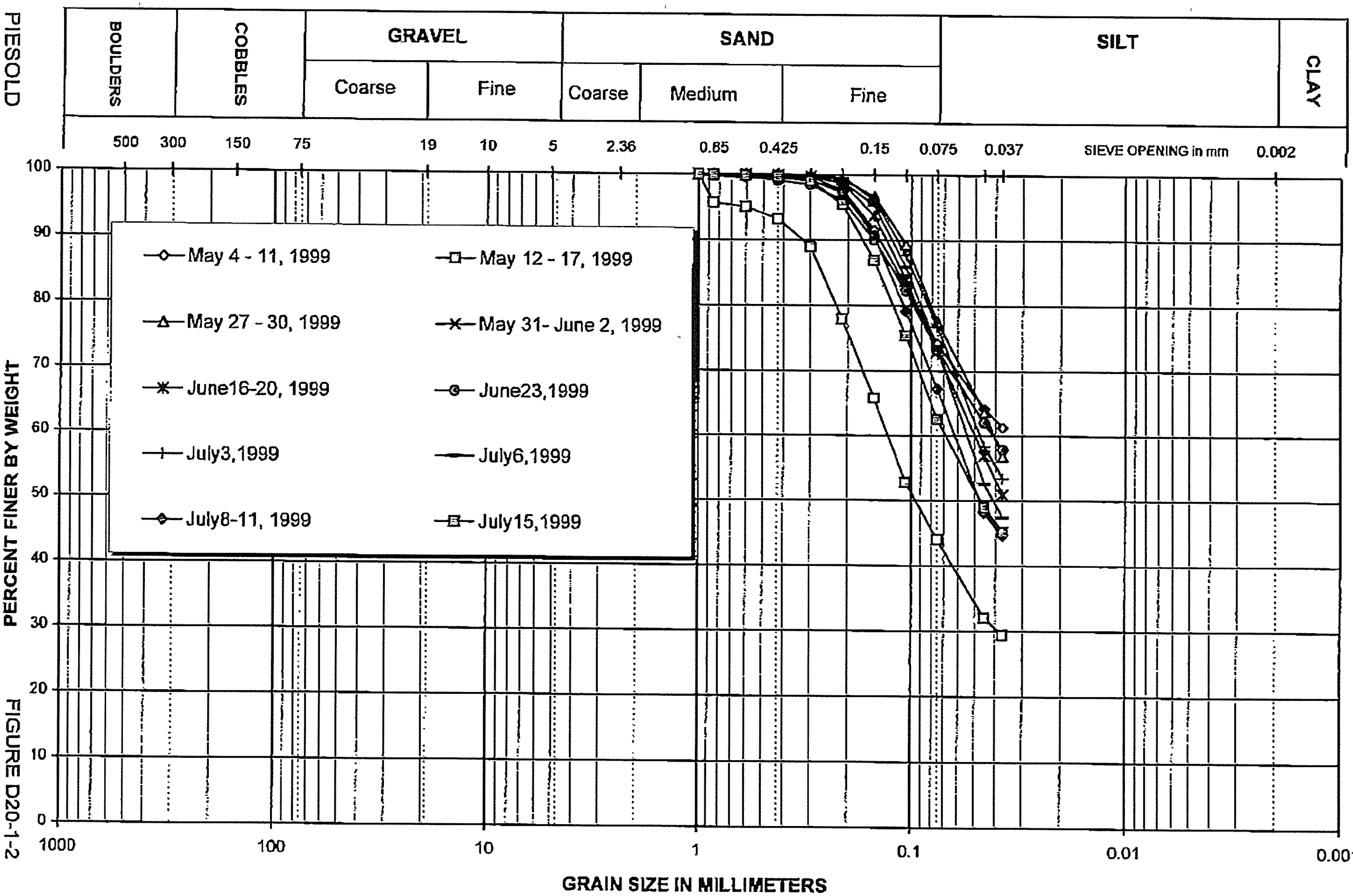

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FIGURE D20-1-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 2 OVERFLOW GRADATIONS

H:\ENGDATA\Engdocs\CYCLONE DATA\lp cyclone gradations\[D20-2 Summary.xls]Over.Data

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1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-2 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #2		100.0	99.80	99.50	98.70	96.30	88.20	72.40	59.10	48.70	39.20	36.80	-	-	-	-	-
May 12 - 17, 1999	Cyclone #2			100.00	99.50	97.50	87.90	68.90	50.30	36.20	27.90	17.4	15.3	-	-	-	-	-
May 27 - 30, 1999	Cyclone #2			100.0	99.9	99.8	99.6	98.3	93.1	85.7	77.0	59.1	55.4	-	-	-	-	-
June 16,1999	Cyclone #2		100.0	99.9	99.7	99.5	98.9	96.0	84.9	73.4	60.3	43.3	39.0	-	-	-	-	-
June 16-20, 1999	Cyclone #2				100.0	99.9	99.6	98.5	93.3	83.3	69.0	56.0	49.8	-	-	-	-	-
July 25,1999	Cyclone #2				100.0	99.9	99.4	98.2	93.3	83.1	73.0	68.3	50.6	-	-	-	-	-
August 1,1999	Cyclone #2		100.0	98.8	98.6	98.2	97.5	95.7	90.5	83.5	74.0	60.4	56.1	-	-	-	-	-
August 16,1999	Cyclone #2		100.0	99.9	99.9	99.8	99.2	94.7	82.1	60.7	41.8	24.5	19.2	-	-	-	-	-
	MEDIAN	#NUM!	100.0	99.9	99.8	99.6	99.1	95.8	87.7	78.2	64.7	49.7	44.4	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.9	99.6	98.5	93.3	85.7	77.0	68.3	56.1	-	-	-	-	-
	MINIMUM	0.0	100.0	98.8	98.6	97.5	87.9	68.9	50.3	36.2	27.9	17.4	15.3	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-2 Summary Sheet: OVER PLOT Date: 01/09/99 Time Plotted: 3:06 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-2 OVERFLOW TAILINGS SAMPLES

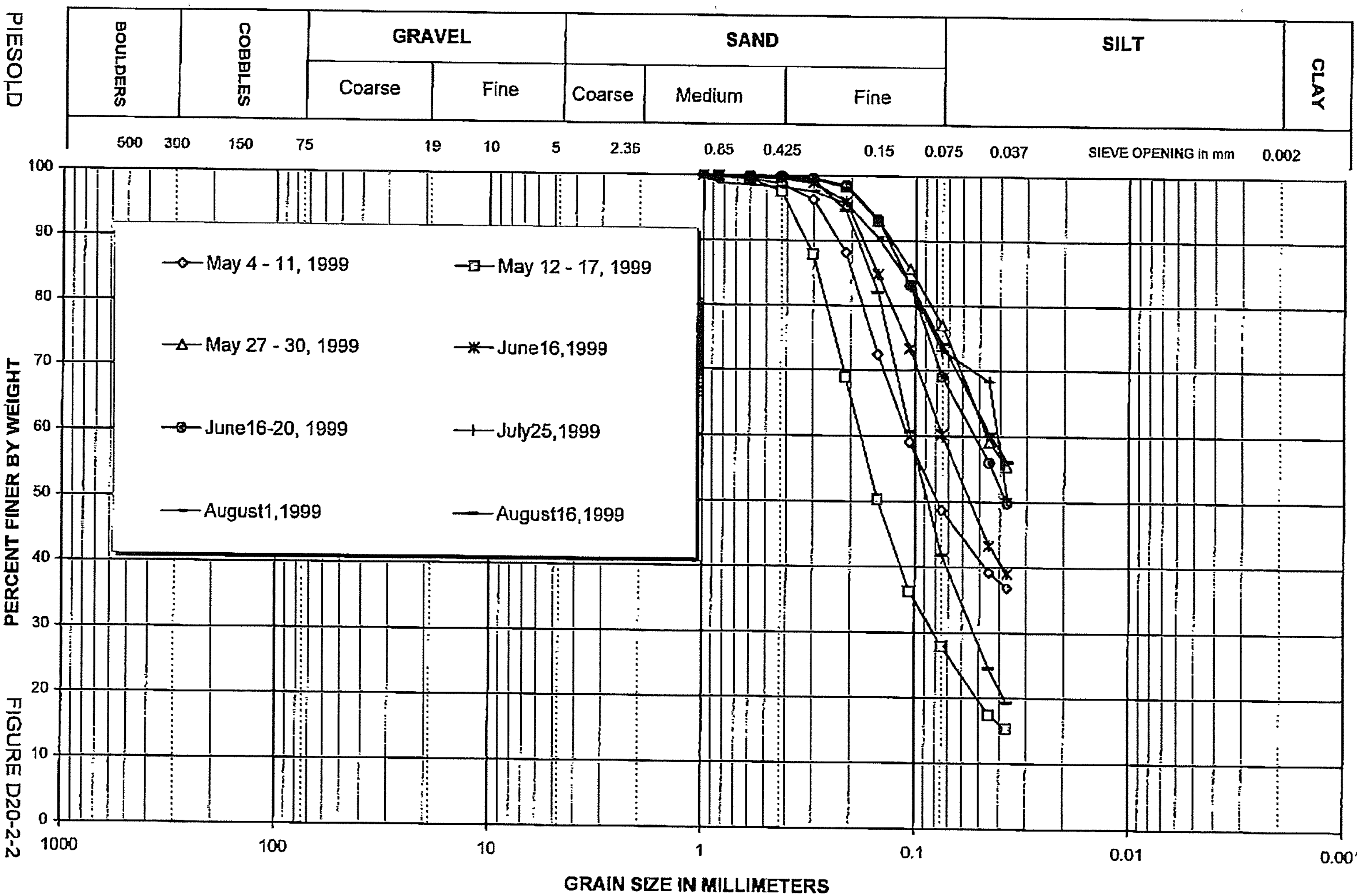

FIGURE D20-2-2

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 3 OVERFLOW GRADATIONS

H:\E\G\DATA\...\CYCLONE DATA\kp cyclone_...\D20-3 Summary.xls]Over Data

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-3 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%
May 4 - 11, 1999	Cyclone #3				100.00	99.90	99.40	97.50	91.60	82.50	70.80	56.40	51.90	-	-	-	-	-
May 12- 17, 1999	Cyclone #3	99.8	99.8	99.00	98.30	96.20	89.00	70.30	46.70	32.30	22.70	15.20	12.40	-	-	-	-	-
June 5,1999	Cyclone #3		100.0	99.7	99.3	97.8	94.2	84.3	67.8	46.5	27.5	16.0	12.4	-	-	-	-	-
June 7,1999	Cyclone #3				100.0	99.8	99.8	96.8	89.2	75.2	60.5	39.6	34.6	-	-	-	-	-
June 8,1999	Cyclone #3			100.0	99.8	98.9	97.0	83.0	56.6	36.2	25.3	13.8	11.5	-	-	-	-	-
June 16-20, 1999	Cyclone #3				100.0	99.9	99.5	93.3	94.6	86.5	73.7	61.2	55.4	-	-	-	-	-
June 23,1999	Cyclone #3		100.0	99.7	99.4	99.0	98.2	95.4	86.8	71.7	57.9	38.2	33.3	-	-	-	-	-
August 1,1999	Cyclone #3			100.0	99.9	99.8	99.1	96.6	88.4	78.9	67.6	53.8	48.8	-	-	-	-	-
August 18,1999	Cyclone #3						100.0	98.3	92.5	81.4	69.7	53.6	48.6	-	-	-	-	-
	MEDIAN	99.8	100.0	99.7	99.8	99.4	99.1	96.6	88.4	75.2	60.5	39.6	34.6	-	-	-	-	-
	MAXIMUM	99.8	100.0	100.0	100.0	99.9	100.0	98.3	94.6	86.5	73.7	61.2	55.4	-	-	-	-	-
	MINIMUM	99.8	99.8	99.0	98.3	96.2	89.0	70.3	46.7	32.3	22.7	13.8	11.5	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-3 Summary Sheet: OVER PLOT) Date: 01/09/99 Time Plotted: 3:21 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-3 OVERFLOW TAILINGS SAMPLES

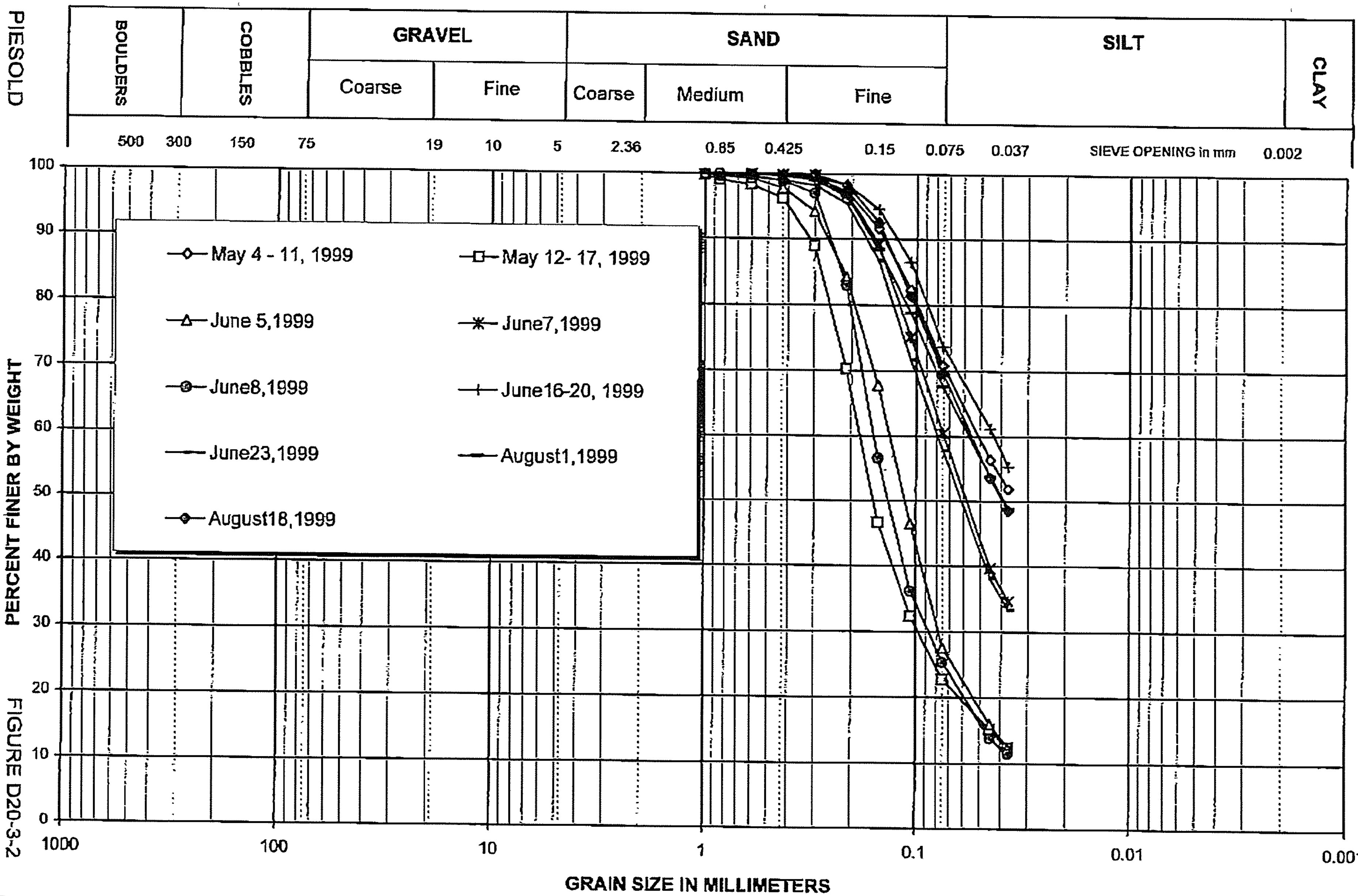

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FIGURE D20-3-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 4 OVERFLOW GRADATIONS

H:\ENG\DATA\Eng docs\CYCLONE DATA\Sp cyclone gradations\[d18-4 Summary.xls]Over Data

Knight Piesold CONSULTING

1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

PROJECT :	MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL :	D18-4 OVERFLOW TAILINGS SAMPLES
SHEET :	1 of 1
PERIOD :	31-Aug-99
PROJECT #:	11162/10
AREA :	Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
May 4 - 11, 1999	Cyclone #4			100.00	100.00	99.70	98.10	89.70	67.10	44.30	28.50	16.10	13.50	-	-	-	-	-
May 12- 17, 1999	Cyclone #4		100.0	98.60	97.80	95.50	88.40	70.20	49.50	34.00	25.20	14.40	12.30	-	-	-	-	-
May 27- 30, 1999	Cyclone #4		100.0	99.7	99.2	97.8	94.0	77.0	52.6	34.2	23.0	15.1	12.4	-	-	-	-	-
May 31- June 2, 1999	Cyclone #4		100.0	99.5	99.1	97.6	94.0	84.4	70.8	61.1	55.0	50.5	48.7	-	-	-		-
June16-20, 1999	Cyclone #4				100.0	99.8	99.6	98.4	93.7	83.7	68.9	55.8	49.9	-	-	-	-	-
June 23,1999	Cyclone #4			100.0	99.8	99.6	99.3	98.1	93.2	82.5	70.5	52.1	46.9	-	-	-	-	-
July 3,1999	Cyclone #4				100.0	99.9	99.8	99.3	95.4	86.6	76.2	57.9	53.2	-	-	-	-	-
July 6,1999	Cyclone #4		100.0	99.7	98.6	93.3	80.6	60.6	44.4	33.1	25.5	16.7	15.2	-	-	-	-	-
July 25,1999	Cyclone #4		100.0	99.9	99.9	99.8	99.7	98.9	95.8	87.6	76.9	58.8	51.7	-	-	-	-	-
August 1,1999	Cyclone #4			100.0	99.9	99.8	99.2	97.0	89.7	80.5	69.3	56.5	50.7	-	-	-	-	-
August 16,1999	Cyclone #4		100.0	99.9	99.9	99.8	99.3	96.5	89.5	78.2	66.6	51.8	45.0	-	-	-	-	-
	MEDIAN	#NUM!	100.0	99.9	99.9	99.7	99.2	96.5	89.5	78.2	66.6	51.8	46.9	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	99.9	99.8	99.3	95.8	87.6	76.9	58.8	53.2	-	-	-	-	-
	MINIMUM	0.0	100.0	98.6	97.8	93.3	80.6	60.6	44.4	33.1	23.0	14.4	12.3	-	-	-	-	-

Notes: 1) There are 100% limits.

File: d20-4 Summary Sheet: OVER PLOT (2) Date: 01/09/99 Time Plotted: 3:30 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-4 OVERFLOW TAILINGS SAMPLES

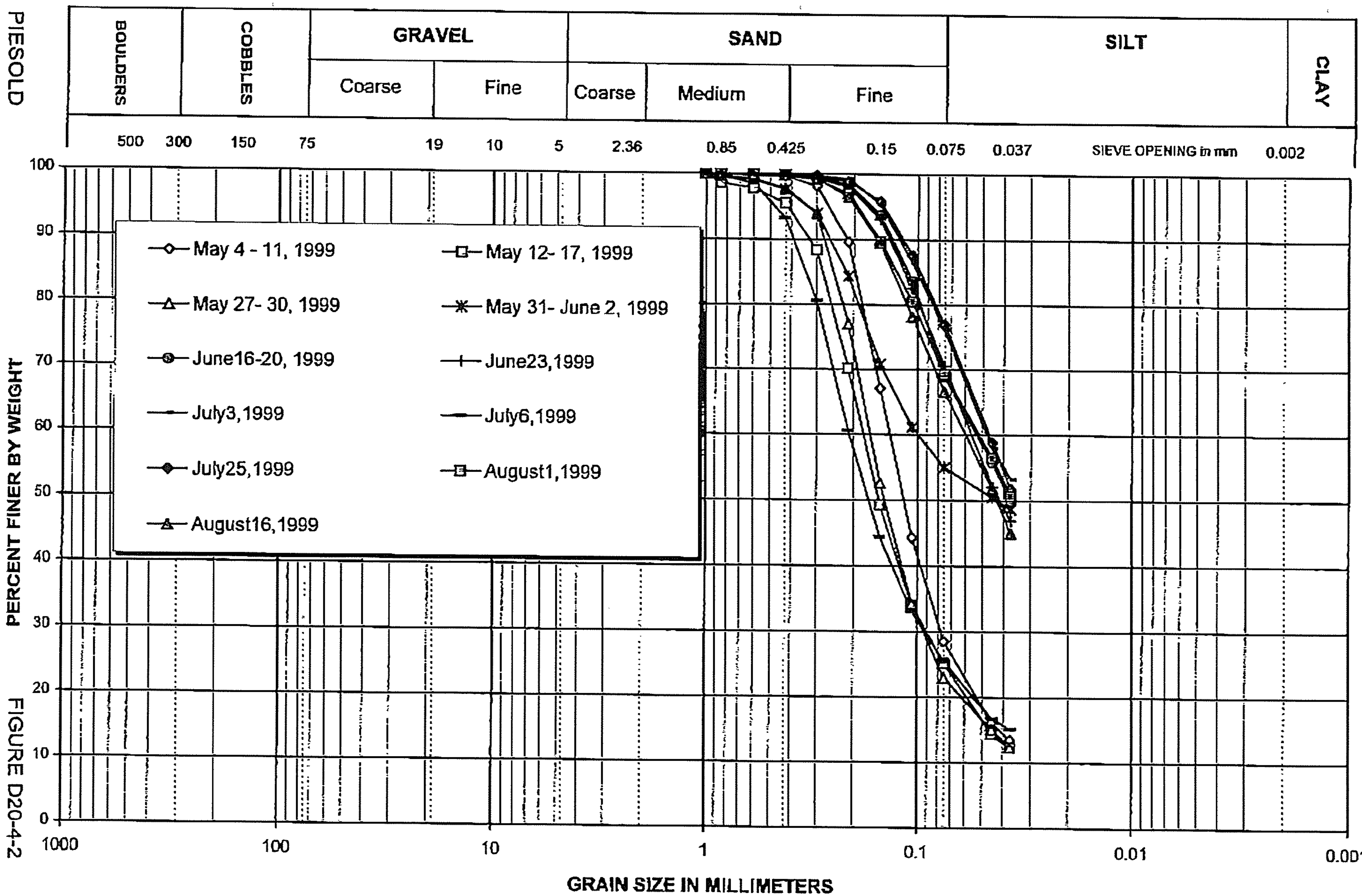

FIGURE D20-4-2

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MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 5 OVERFLOW GRADATIONS

H:\ENG\DATA\Eng.dwa\CYCLONE DATA\lp cyclone gradations\K20-5 Summary.xls\OverData

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1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11162/10
AREA : Tailings Storage Facility

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-5 OVERFLOW TAILINGS SAMPLES

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #5					100.00	99.88	98.68	93.30	82.75	65.63	51.65	46.00	-	-	-	-	-
June 23,1999	Cyclone #5			100.00	99.70	99.28	97.98	93.70	83.88	70.00	57.68	40.98	36.75	-	-	-	-	-
July 3,1999	Cyclone #5		100.0	99.98	99.95	99.90	99.65	98.48	93.63	83.90	73.08	56.03	51.55	-	-	-	-	-
July 6,1999	Cyclone #5		100.0	99.95	99.90	99.85	99.70	97.58	88.60	72.58	59.50	42.93	39.13	-	-	-	-	-
July 8-11, 1999	Cyclone #5		100.0	99.95	99.85	99.68	99.18	96.38	88.40	75.85	64.25	44.03	42.20	-	-	-	-	-
July 29,1999	Cyclone #5		100.0	99.78	99.76	99.59	98.64	94.94	86.93	76.50	63.75	47.50	43.25	-	-	-	-	-
	MEDIAN	#NUM!	100.0	100.0	99.9	99.8	99.4	97.0	88.5	76.2	64.0	45.8	42.7	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	99.9	98.7	93.6	83.9	73.1	56.0	51.6	-	-	-	-	-
	MINIMUM	0.0	100.0	99.8	99.7	99.3	98.0	93.7	83.9	70.0	57.7	41.0	36.8	-	-	-	-	-

Notes: 1) These are 100% limits.

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-5 OVERFLOW TAILINGS SAMPLES

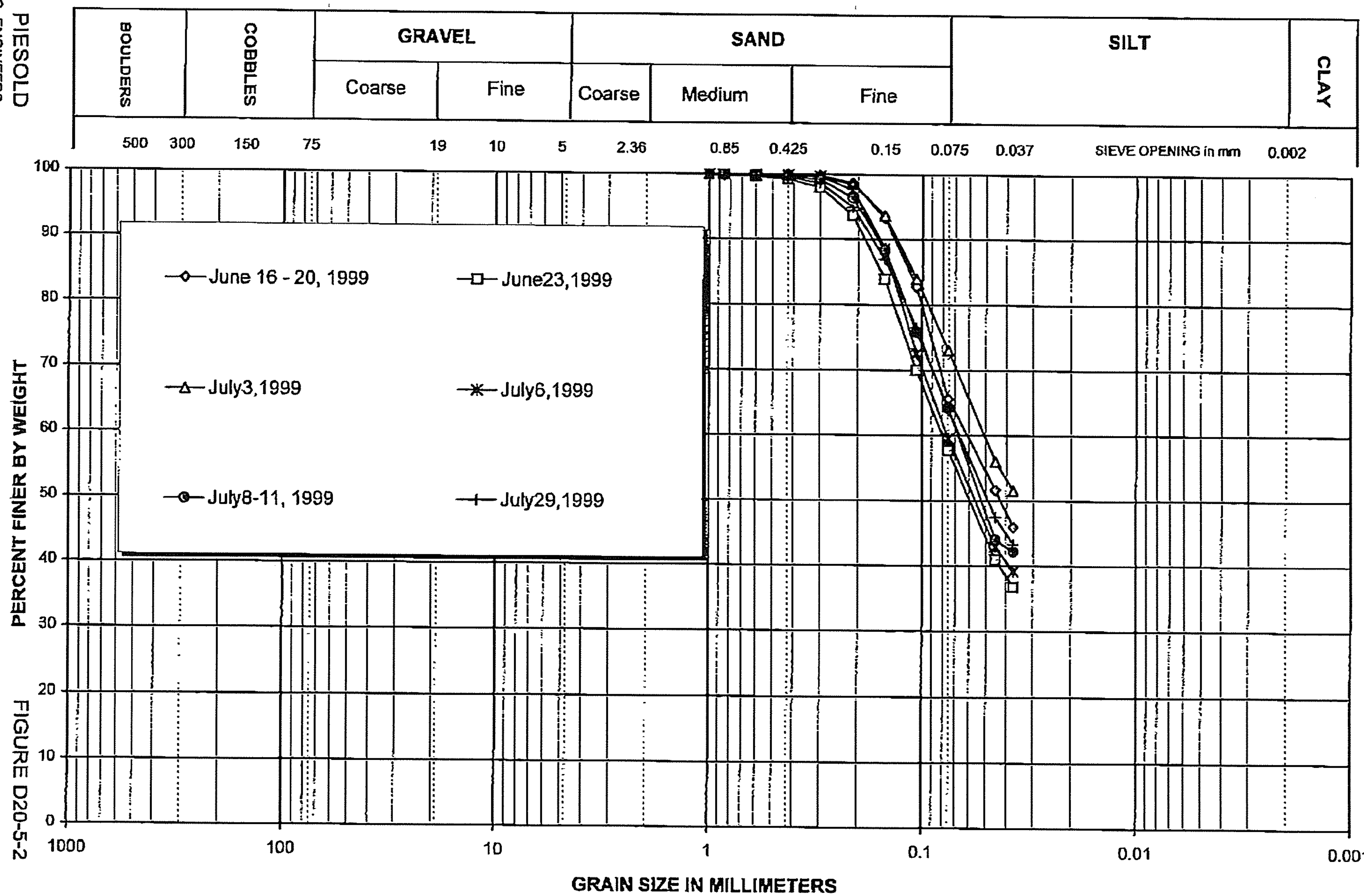

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FIGURE D20-5-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION

CYCLONE # 6 OVERFLOW GRADATIONS

E:\EV\PDATA\Engdeng\CYCLONE DATA\kp cyclone gradations\[D20-6 Summary.xls] Over Data

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1999 CONTROL SAMPLE TESTS - SUMMARY SHEET

PROJECT : MOUNT POLLEY - CYCLONE TAILINGS ANALYSES
MATERIAL : D20-6 OVERFLOW TAILINGS SAMPLES

SHEET : 1 of 1
PERIOD : 31-Aug-99
PROJECT #: 11163/10
AREA : Tailings Storage Facility

SAMPLE	LOCATION	Particle Size Distribution																
		2.36	1.00	0.85	0.60	0.43	0.30	0.212	0.150	0.106	0.075	0.045	0.037	0.030	0.010	0.005	0.002	0.001
		#8	#16	#20	#28	#35	#48	#65	#100	#150	#200	#325	#400	Hydrometer				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
June 16 - 20, 1999	Cyclone #6				100.00	99.93	99.35	97.00	90.00	78.33	61.95	47.98	42.35	-	-	-	-	-
June 23, 1999	Cyclone #6		100.0	99.80	99.13	98.53	97.75	96.68	93.58	85.60	74.73	56.13	50.88	-	-	-	-	-
June 28, 1999	Cyclone #6					100.00	99.98	99.10	93.30	80.55	66.73	44.10	38.15	-	-	-	-	-
July 6, 1999	Cyclone #6					100.00	99.90	99.58	97.98	91.80	81.38	62.78	57.63	-	-	-	-	-
July 25, 1999	Cyclone #6		100.0	96.15	95.83	95.30	94.63	93.15	89.35	80.70	71.05	58.45	48.88	-	-	-	-	-
August 1, 1999	Cyclone #6		100.0	99.98	99.97	99.90	99.38	97.17	89.93	80.23	67.80	53.15	45.00	-	-	-	-	-
August 5, 1999	Cyclone #6		100.0	99.90	99.85	99.68	99.63	96.80	91.85	83.38	73.20	61.65	49.85	-	-	-	-	-
August 16, 1999	Cyclone #6			100.00	99.98	99.95	99.73	98.08	93.13	82.33	69.70	53.63	44.98	-	-	-	-	-
	MEDIAN	#NUM!	100.0	99.9	99.9	99.9	99.5	97.1	92.5	81.5	70.4	54.9	46.9	-	-	-	-	-
	MAXIMUM	0.0	100.0	100.0	100.0	100.0	100.0	99.6	98.0	91.8	81.4	62.3	57.6	-	-	-	-	-
	MINIMUM	0.0	100.0	96.2	95.8	95.3	94.6	93.2	89.4	78.3	62.0	44.1	38.2	-	-	-	-	-

Notes: 1) These are 100% limits.

File: d20-6 Summary Sheet: OVER PLOT Date. 01/09/99 Time Plotted: 3:49 PM

MOUNT POLLEY MINING CORPORATION - MOUNT POLLEY MINE
GRADATION LIMITS
D20-6 OVERFLOW TAILINGS SAMPLES

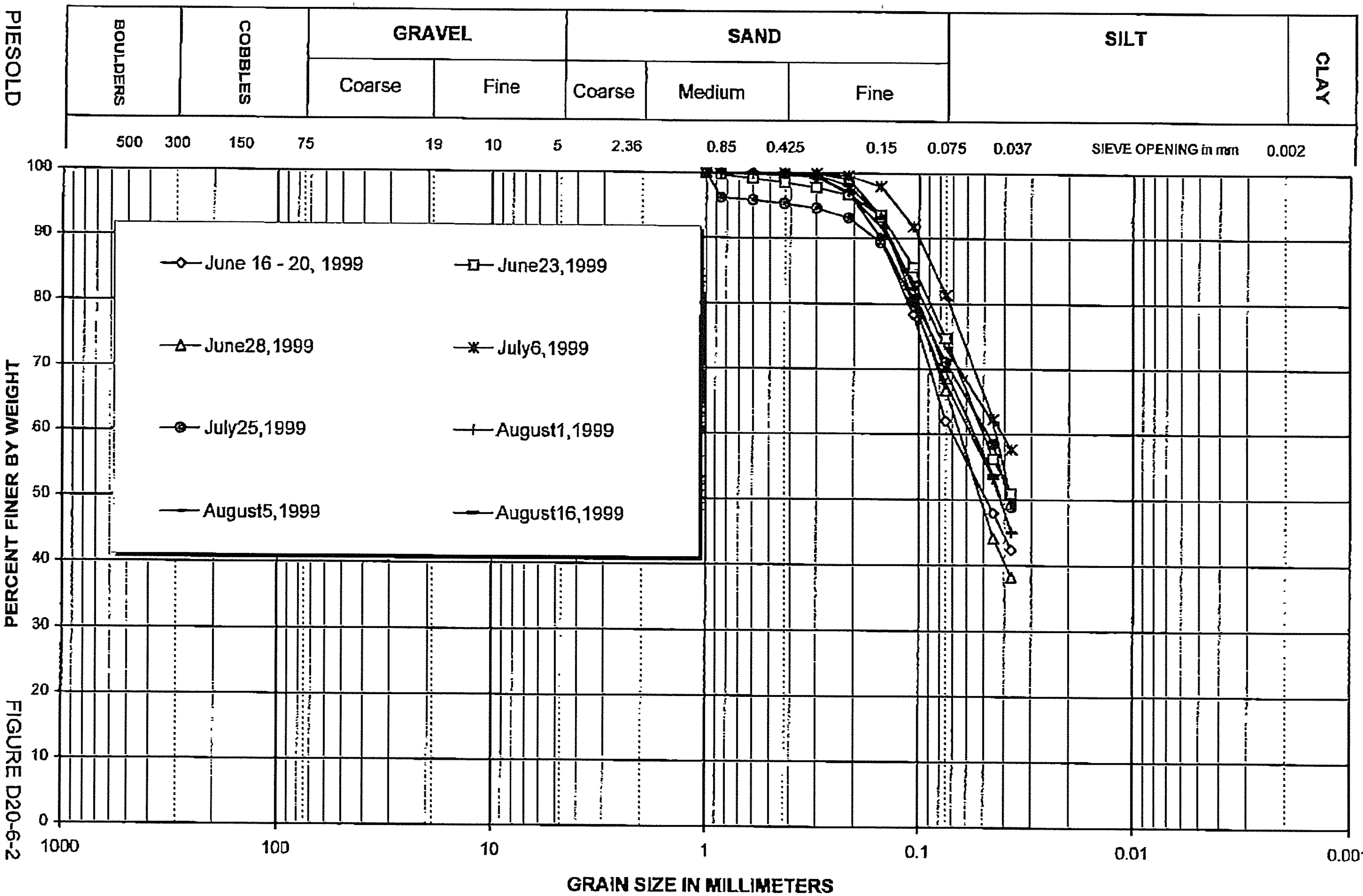

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FIGURE D20-6-2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY

STAGE 2C CONSTRUCTION
ZONE CS RECORD TEST SUMMARY SHEET

A:\TP-2CS-R0-M.xls]zone table 01-Sep-99

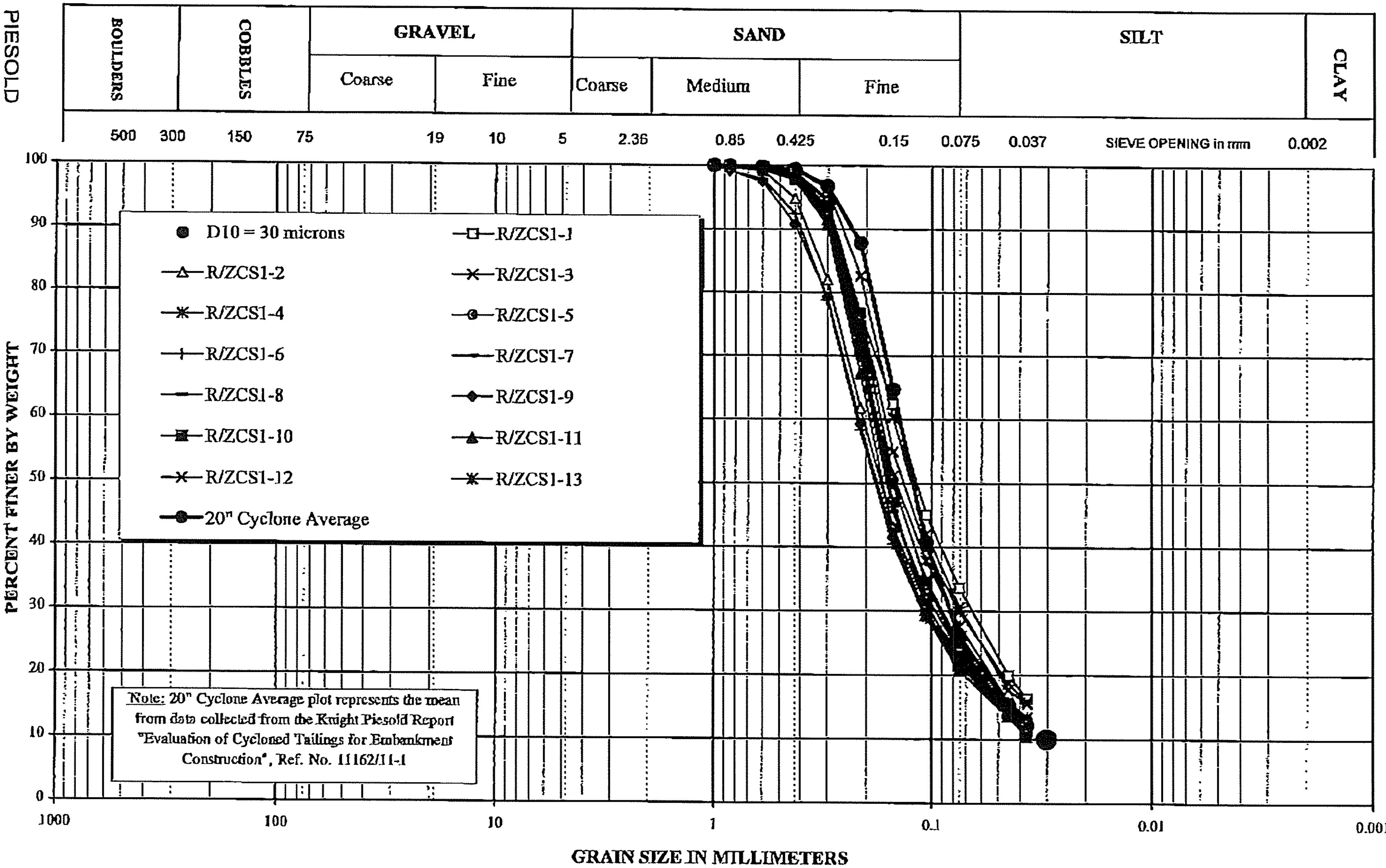
Date Sampled	Sample No.	Location on Embankment	Elev. (m)	R1 Atterberg Limits PL %	R1 LL %	R1 PI %	R2 Field m/c %	R3 (Particle Size Distribution) Grain Size in mm 1.00 / U.S. Standard Seive Sizes #16	0.85 / #20	0.60 / #28	0.43 / #35	0.30 / #48	0.212 / #65	0.150 / #100	0.106 / #150	0.075 / #200	0.045 / #325	0.037 / #400	R4 Standard Proctor Max.Dry Density kg/m³	R4 Optimum m/c %	R6 Specific Gravity	R7 Field Density Dry Density kg/m³	R7 m/c %	Compaction %
-	R/ZCS1-1	17+00 TOP	-	-	-	-	-	100.0	99.91	99.79	98.06	92.41	76.65	62.35	45.06	33.59	19.92	16.32	-	-	-	-	-	-
-	R/ZCS1-2	18+75 TOP	-	-	-	-	-	100.0	99.80	99.18	94.85	81.95	61.73	43.20	30.95	22.85	14.8	12.3	-	-	-	-	-	-
-	R/ZCS1-3	20+75 TOP	-	-	-	-	-	100.0	99.9	99.8	98.7	93.4	76.7	54.9	39.7	29.9	18.7	15.8	-	-	-	-	-	-
-	R/ZCS1-4	17+00 MID	-	-	-	-	-	100.0	100.0	99.8	98.9	94.8	74.7	51.1	37.9	27.6	15.9	13.4	-	-	-	-	-	-
-	R/ZCS1-5	21+00 MID	-	-	-	-	-	100.0	99.8	99.5	98.7	94.5	76.3	50.5	34.1	24.1	14.5	11.6	-	-	-	-		-
-	R/ZCS1-6	18+75 MID	-	-	-	-	-	100.0	99.1	97.9	92.4	78.8	58.3	40.5	28.9	22.0	14.3	12.2	-	-	-	-	-	-
-	R/ZCS1-7	20+75 MID	-	-	-	-	-	100.0	99.9	99.6	97.8	91.3	69.6	45.7	32.6	23.6	13.6	11.9	-	-	-	-	-	-
-	R/ZCS1-8	17+00 BTM	-	-	-	-	-	100.0	100.0	99.9	99.1	94.4	72.5	45.5	31.3	21.9	13.5	11.1	-	-	-	-	-	-
-	R/ZCS1-9	18+75 BTM	-	-	-	-	-	100.0	99.2	97.5	90.8	79.3	59.3	41.5	29.5	23.0	15.3	13.3	-	-	-	-		-
-	R/ZCS1-10	20+75 BTM	-	-	-	-	-	100.0	99.9	99.6	98.5	92.9	72.9	47.0	30.1	21.4	14.6	10.6	-	-	-	-	-	-
-	R/ZCS1-11	24+00 BTM	-	-	-	-	-	100.0	99.7	99.3	97.8	90.6	67.1	42.2	29.3	20.7	13.6	10.5	-	-	-	-	-	-
19-Aug-99	R/ZCS1-12	22+40, 15m U/S Sol.	939.0	-	-	-	11.6	100.0	100.0	99.9	99.4	96.4	82.6	60.3	42.1	30.6	17.7	15.5	1675	17.3	-	1621	11.6	96.8
19-Aug-99	R/ZCS1-13	20+00, 10m U/S Sol.	940.0	-	-	-	3.3	100.0	99.9	99.6	98.0	91.5	71.0	50.0	34.7	25.0	14.2	12.3	1720	17.0	-	1619	3.3	94.1
	20" Cyclone Average	-	-	-	-	-	-	100.0	99.9	99.8	99.4	96.8	87.8	64.6	40.7	26.0	15.4	12.1	-	-	-	-	-	-
			MEAN	#DIV/0!	#DIV/0!	#DIV/0!	7.5	100.0	99.8	99.4	97.3	90.6	71.9	49.9	34.8	25.2	15.4	12.8	1698	17.2	#DIV/0!	1620	7.5	95.5
			MEDIAN	#NUM!	#NUM!	#NUM!	7.5	100.0	99.9	99.6	98.3	92.6	72.7	48.5	33.4	23.8	14.7	12.2	1698	17.2	#NUM!	1620	7.5	95.5
			MAXIMUM	0.0	0.0	0.0	11.6	100.0	100.0	99.9	99.4	96.8	87.8	64.6	45.1	33.6	19.9	16.3	1720	17.3	0.00	1621	11.6	96.8
			MINIMUM	0.0	0.0	0.0	3.3	100.0	99.1	97.5	90.8	78.8	58.3	40.5	28.9	20.7	13.5	10.5	1675	17.0	0.00	1619	3.3	94.1

Notes:

1. Values for Standard Proctor maximum dry density and optimum moisture content include oversize correction.

R1 Atterberg Limits (ASTM D4318)
R2 Moisture Content (ASTM D2216)
R3 Particle Size Distribution (ASTM D422)
R4 Laboratory Compaction (ASTM D1557)
R6 Specific Gravity (ASTM D854)
R7 Density by Nuclear Methods (ASTM D2922)

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE - TAILINGS STORAGE FACILITY
STAGE 2C CONSTRUCTION
ZONE CS1 - RECORD SAMPLES - GRADATION CURVES



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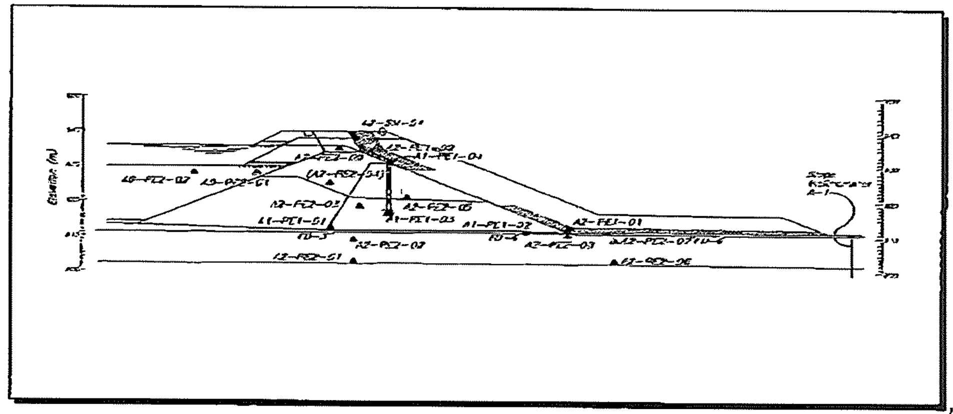
MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE A PIEZOMETERS



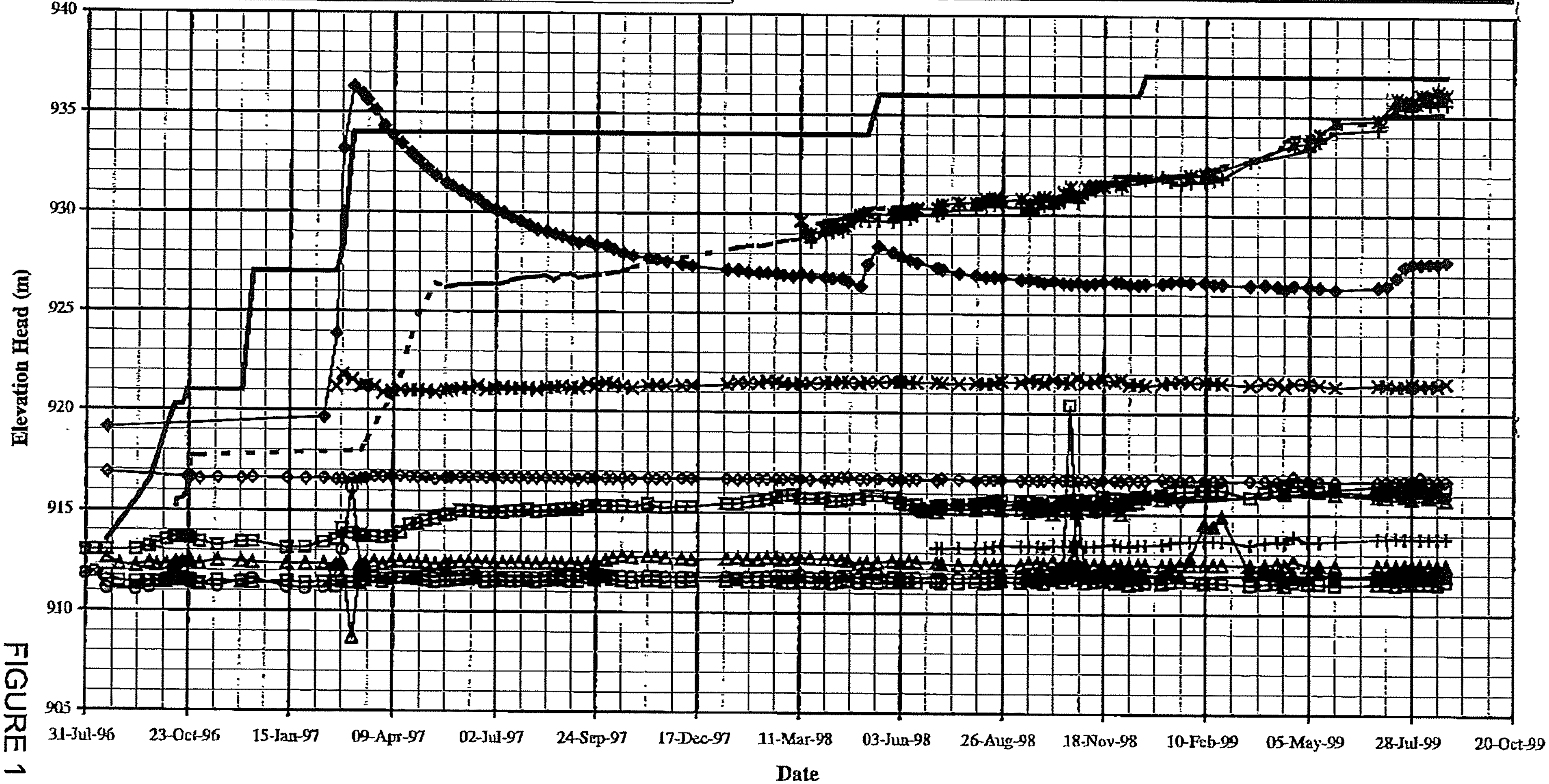


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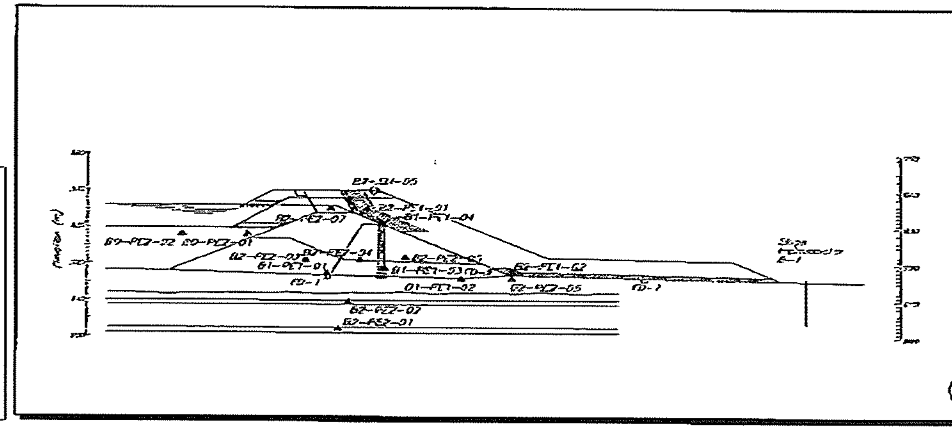
FIGURE 1

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE B PIEZOMETERS



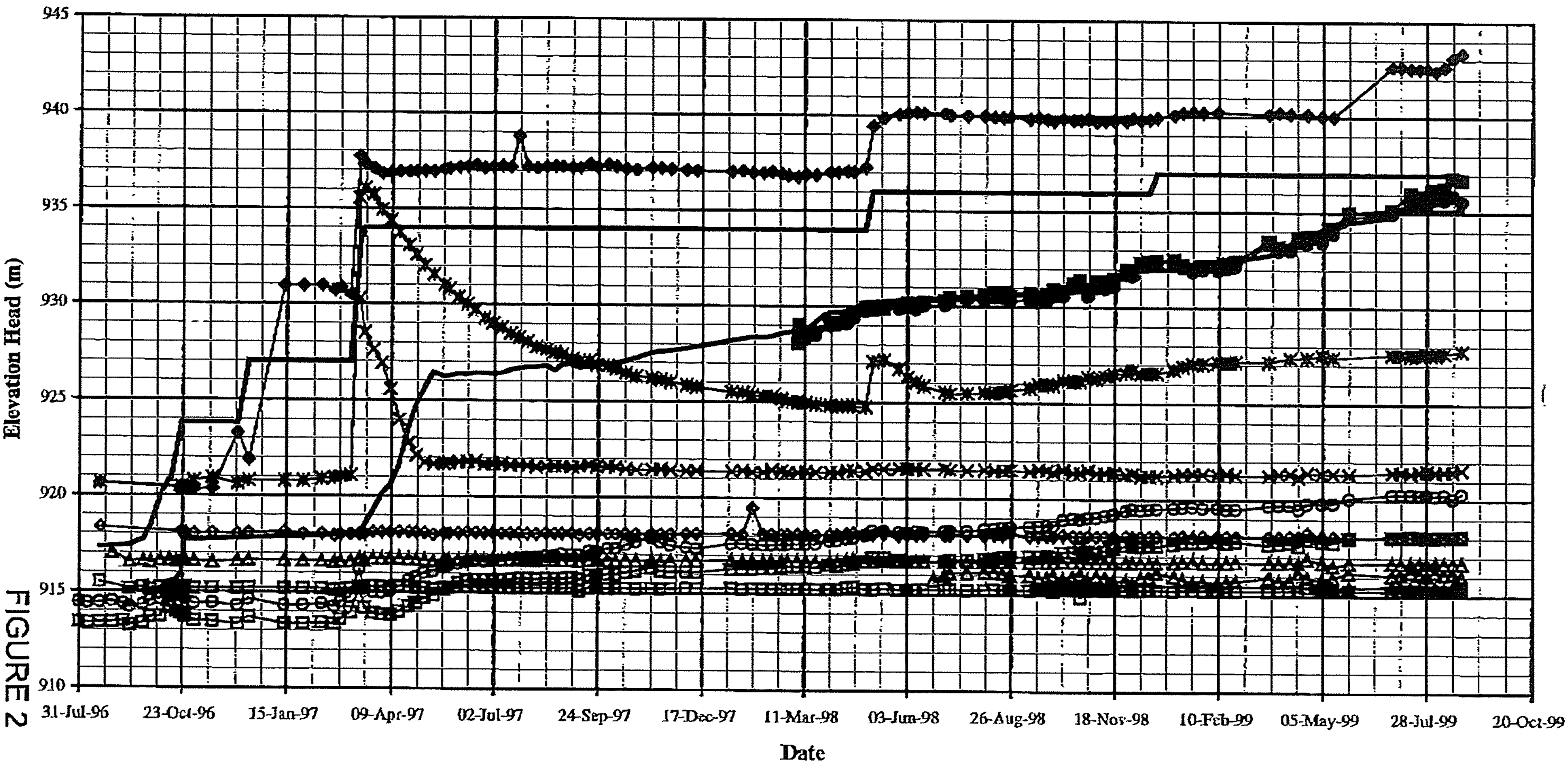


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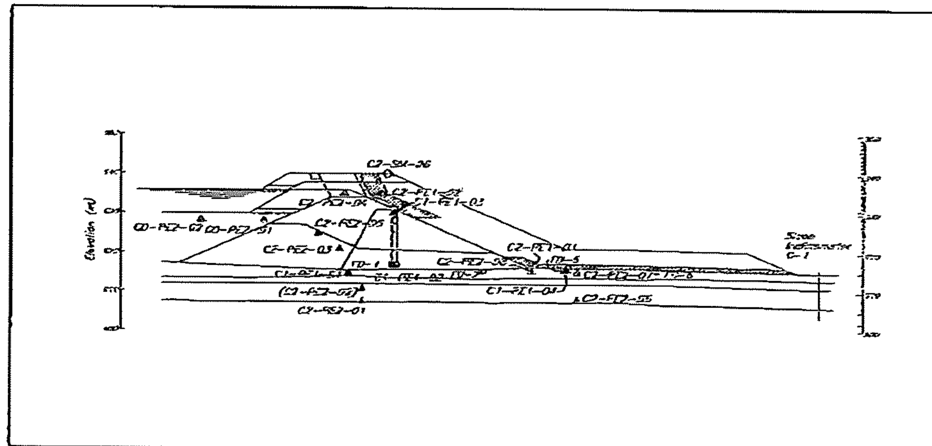
FIGURE 2

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE C PIEZOMETERS



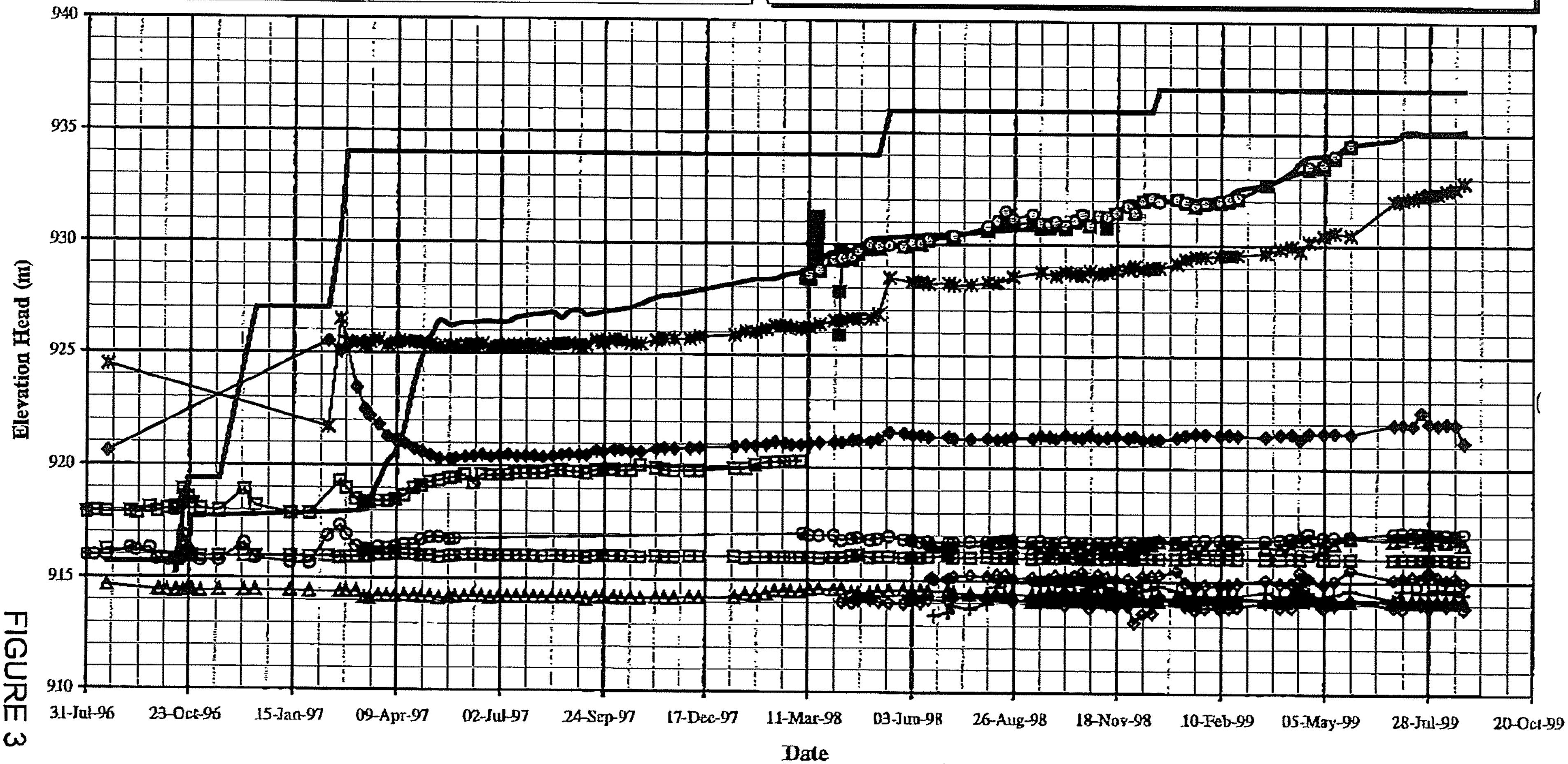


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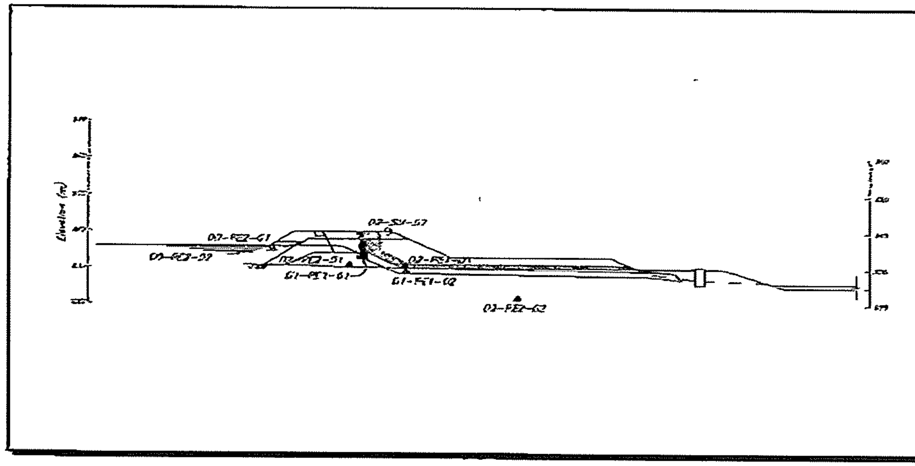
FIGURE 3

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE D PIEZOMETERS



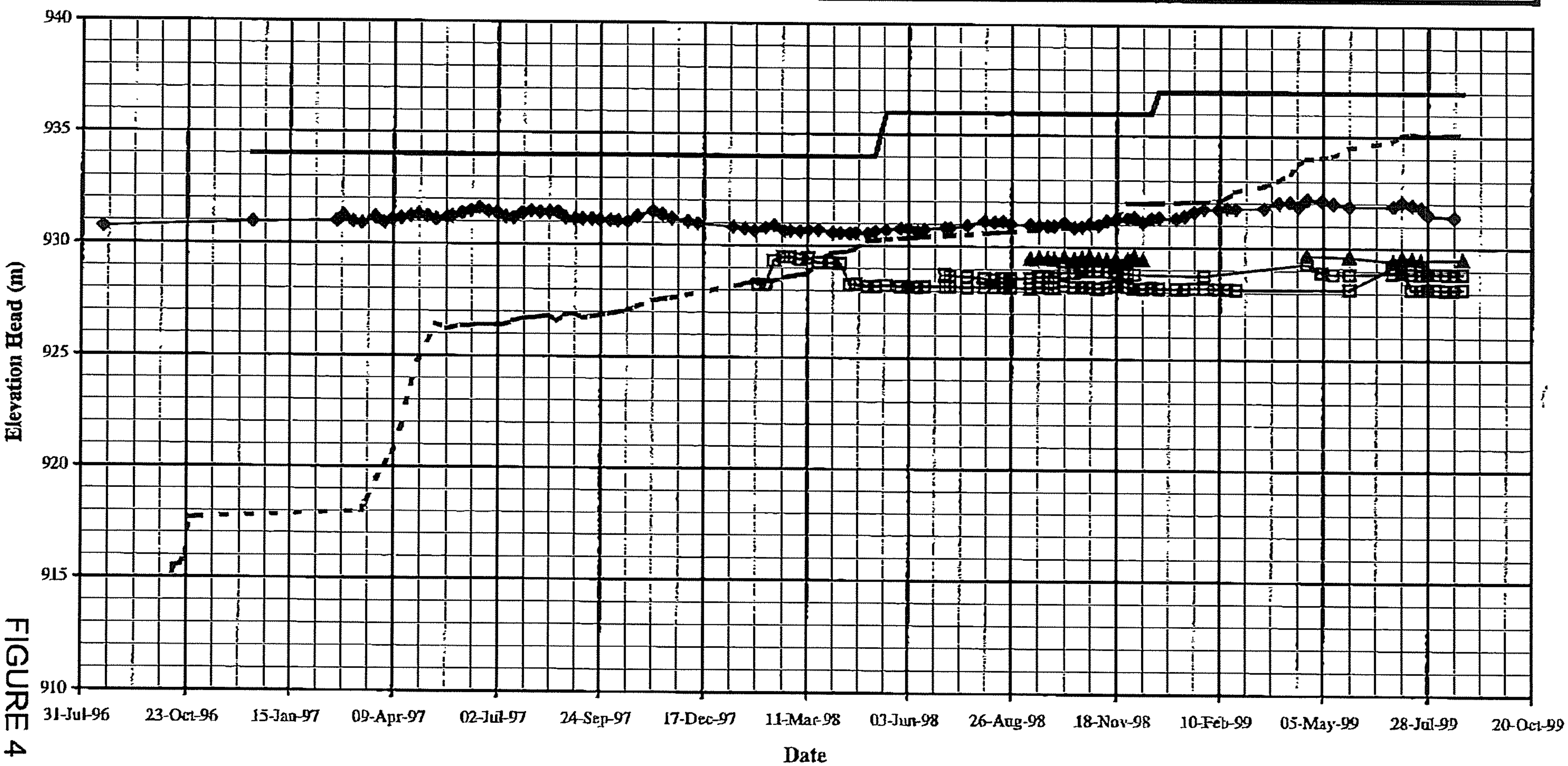


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FIGURE 4

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
SUMMARY PLOT OF PLANE E PIEZOMETERS

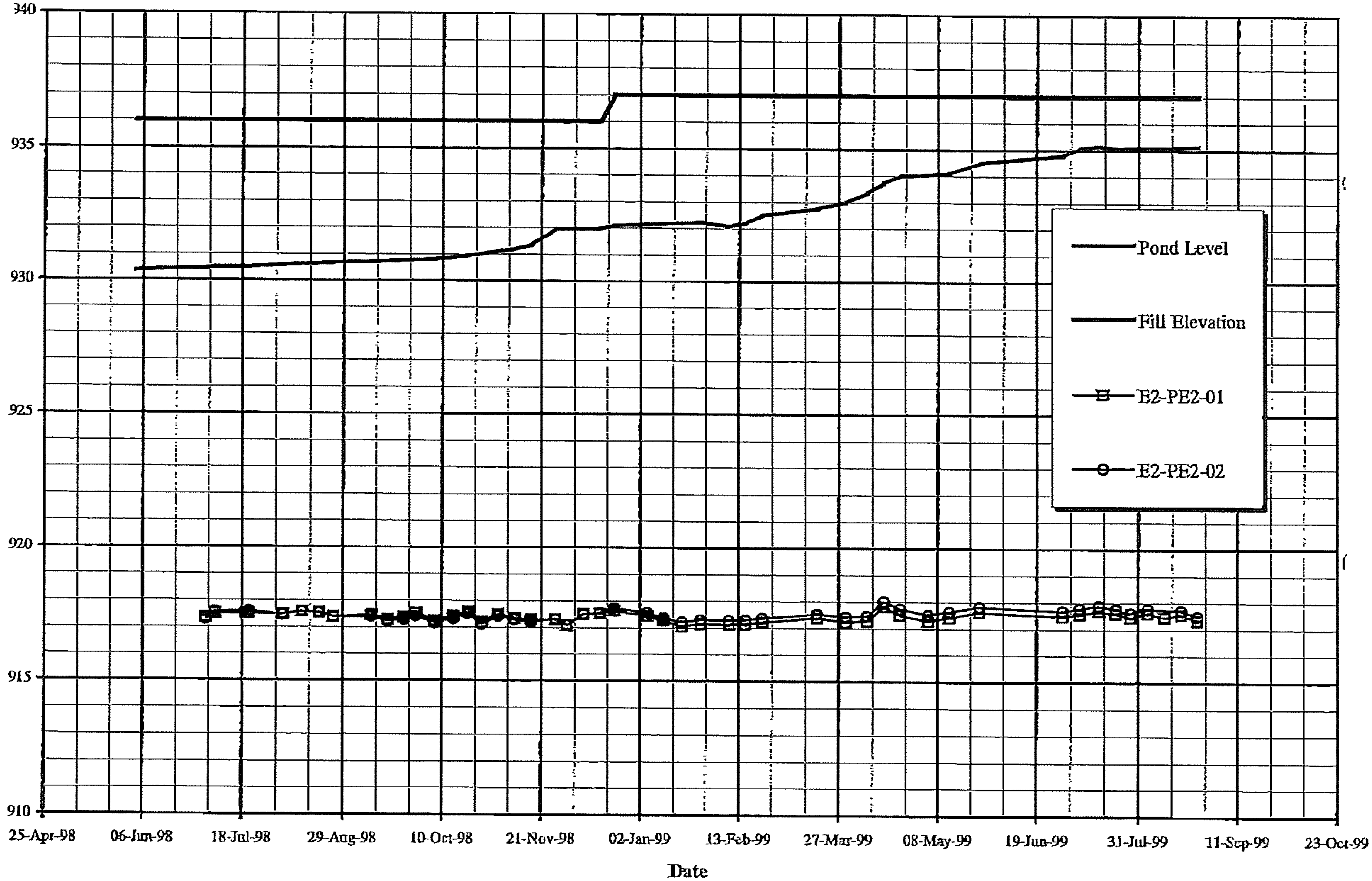

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FIGURE 5

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE A FOUNDATION PIEZOMETERS

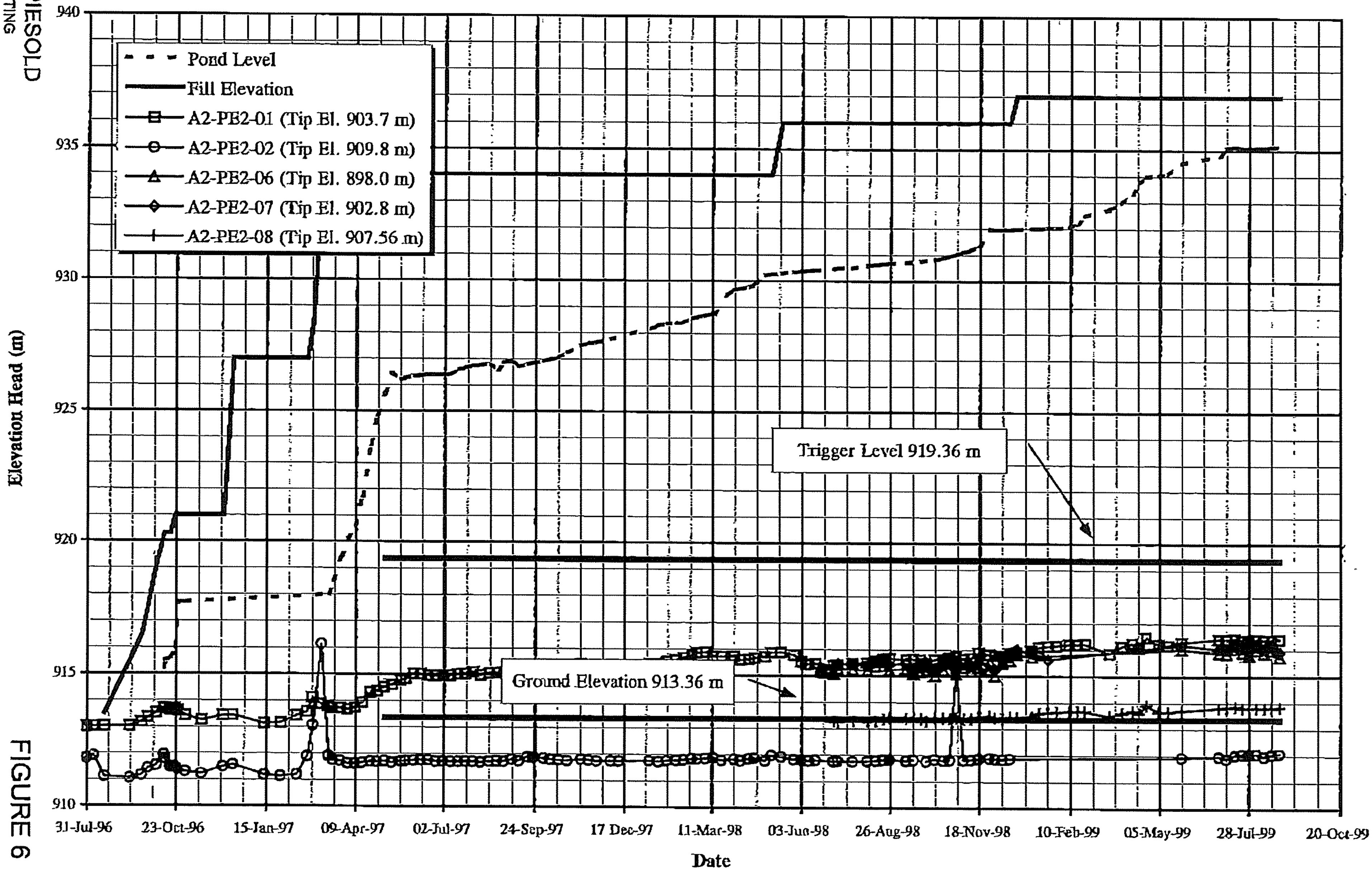

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FIGURE 6

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE B FOUNDATION PIEZOMETERS

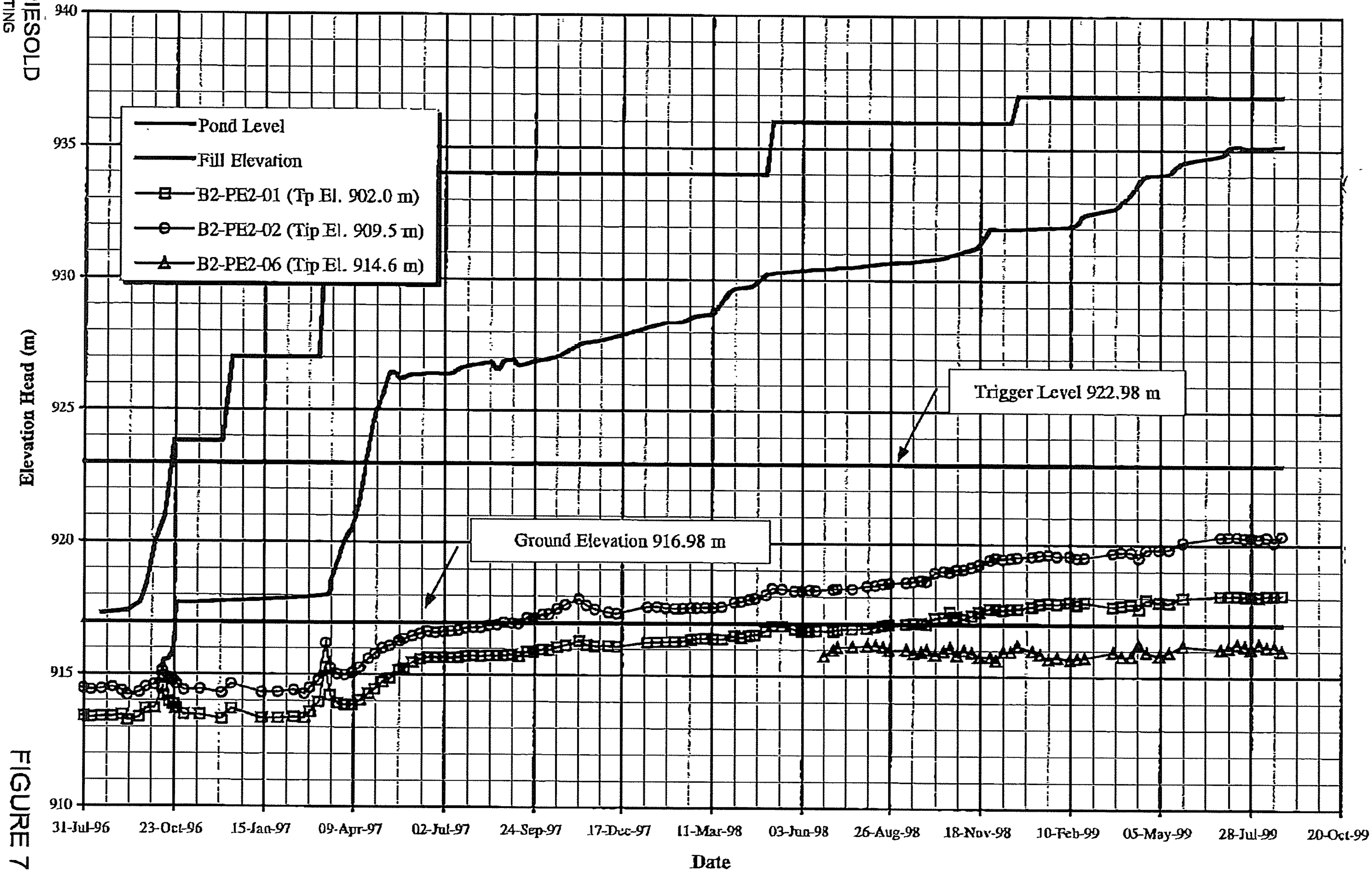

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FIGURE 7

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE C FOUNDATION PIEZOMETERS

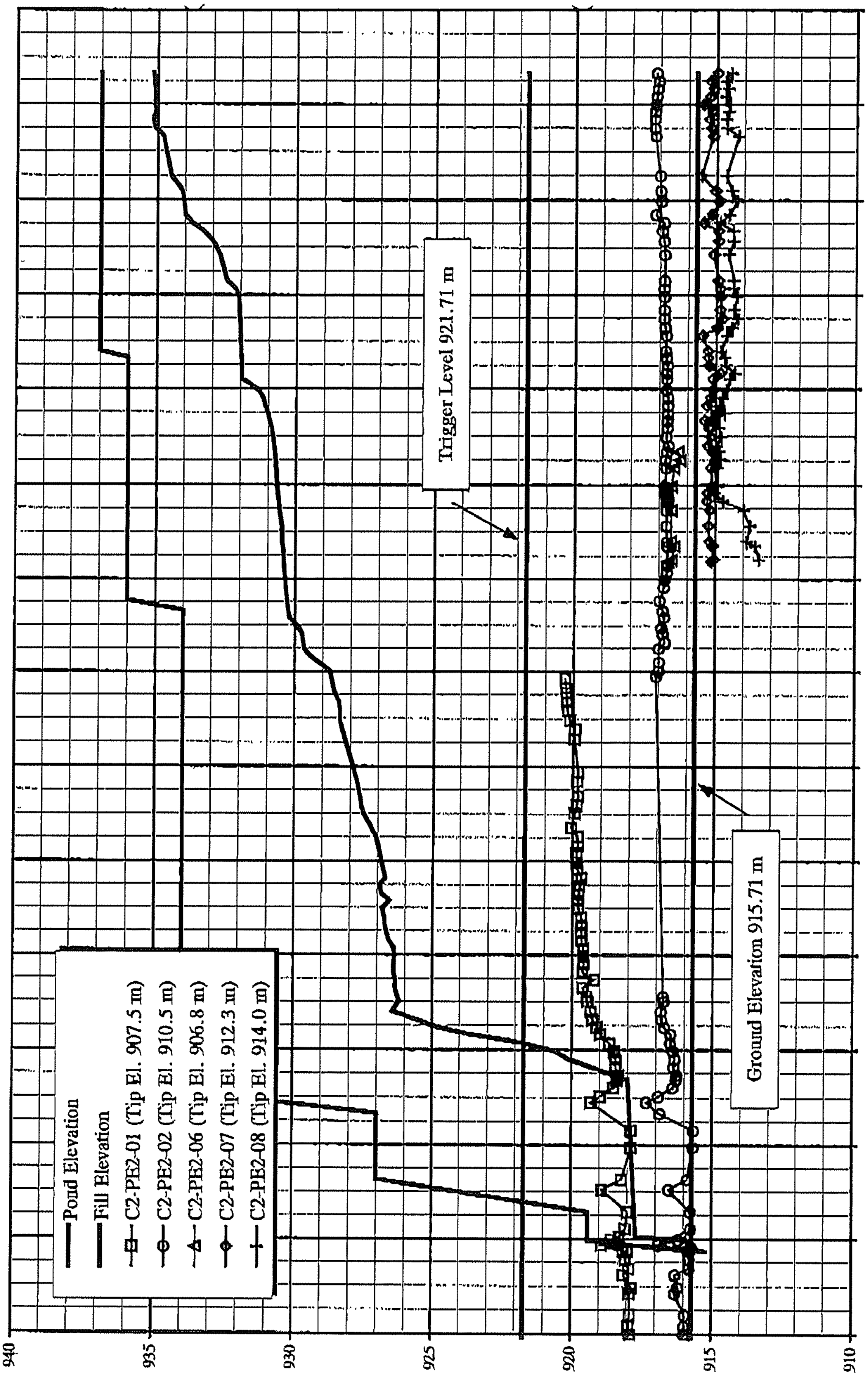

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FIGURE 8

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE D FOUNDATION PIEZOMETERS

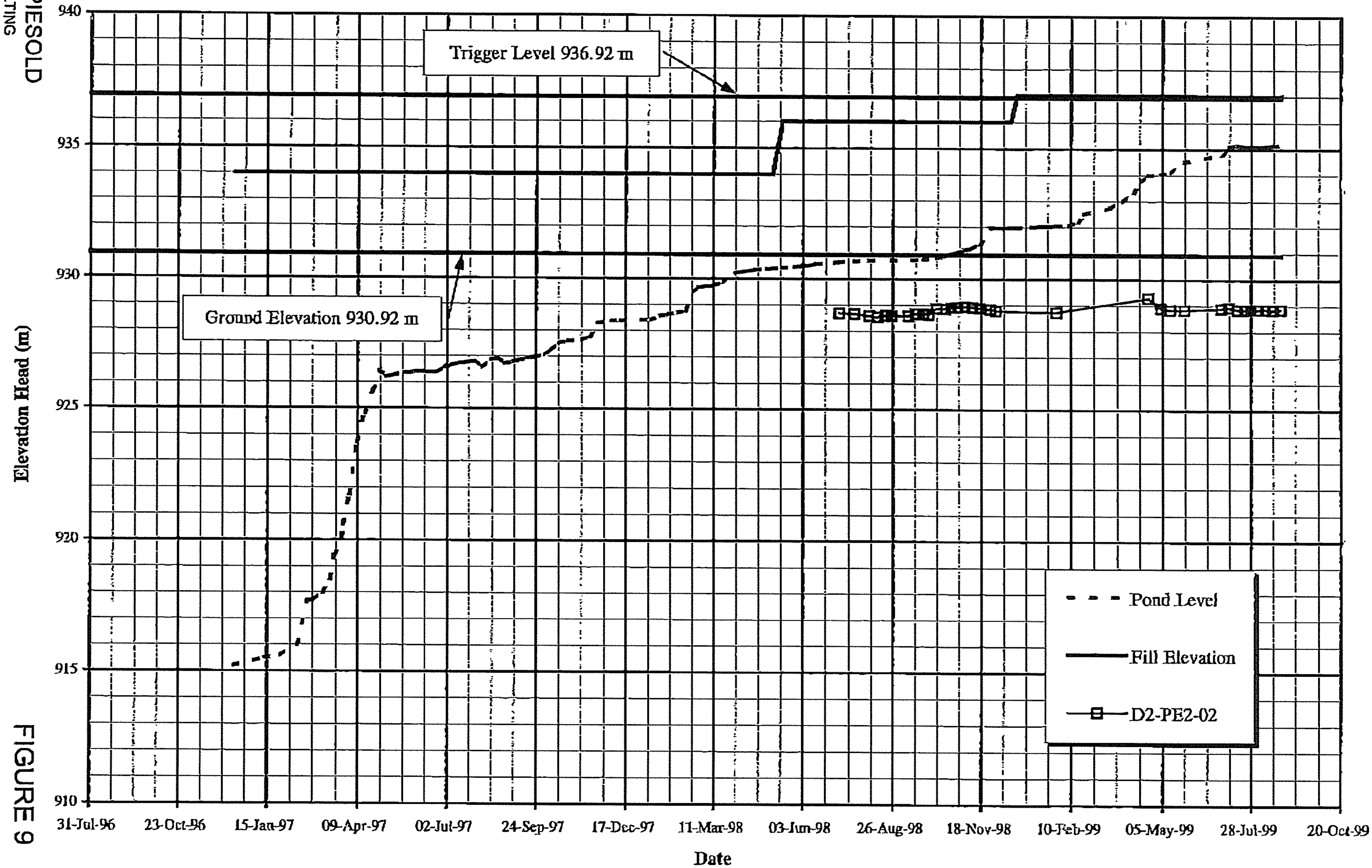

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FIGURE 9

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY MINE
TAILINGS STORAGE FACILITY
PLANE E FOUNDATION PIEZOMETERS

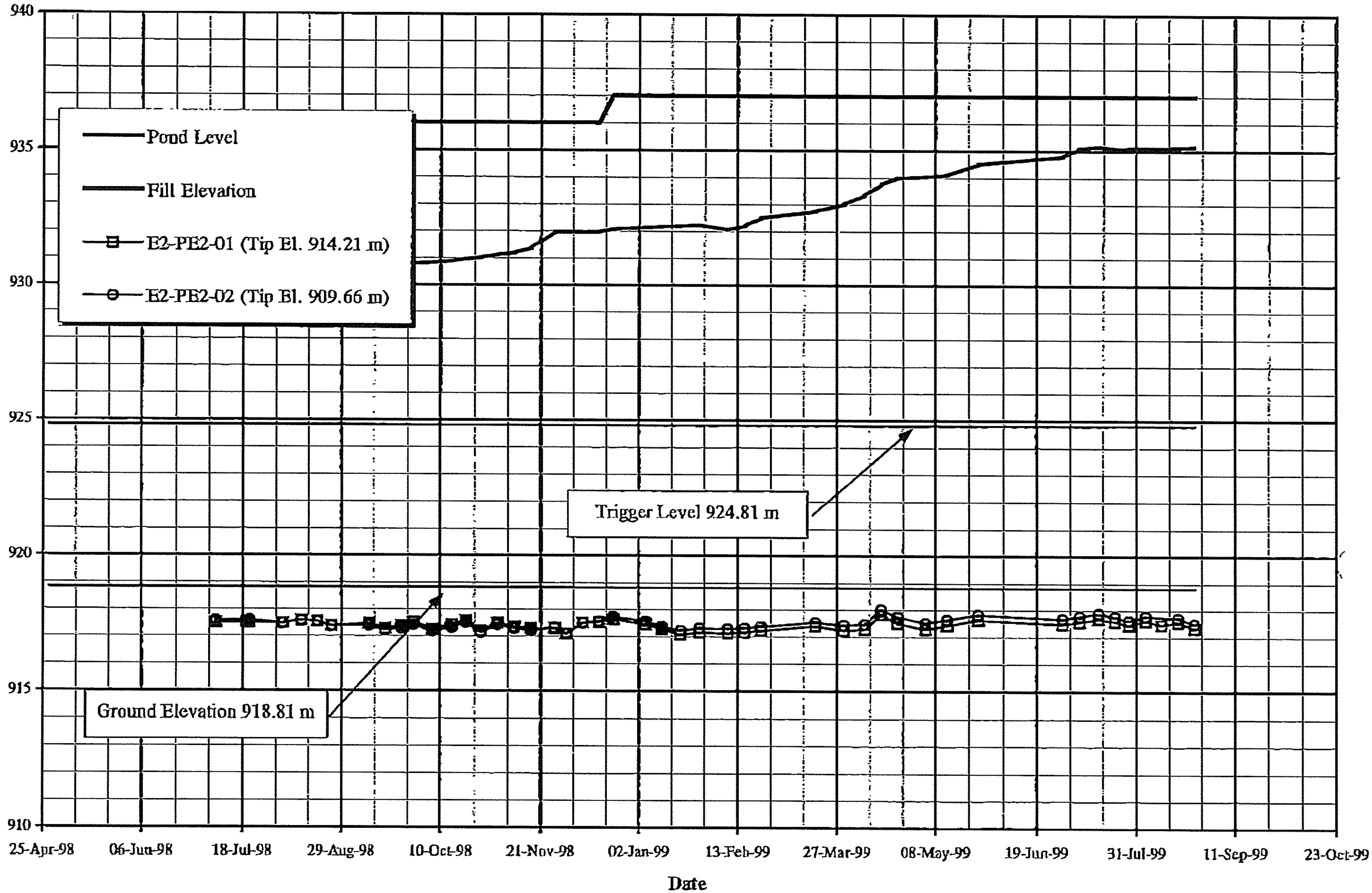

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FIGURE 10

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY

SUMMARY OF DRAIN FLOW DATA

P:\ENGDATA\Engineer\Geotechnical\Weekly Piezo Readings\[Flowrate.xls]Data

Note: The elevation for the top of the casing for Ground Water Well GW96-9 is approximately 916.78 m. The ground elevation is 916.18 m.

September 4, 1999

SAMPLING DATE	FD-1			FD-2			FD-3			FD-4			FD-5			Total Flow Rate			Pond El (m)	GW96-9 (GW Well)
	Flow Rate			Flow Rate			Flow Rate			Flow Rate			Flow Rate							Elev. Above Top of Casing of well 9 (m)
Date	FD1(l/min)	(l/sec)	Comments	FD2(l/min)	(l/sec)	Comments	FD3(l/min)	(l/sec)	Comments	FD4(l/min)	(l/sec)	Comments	FD5(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments	Pond Elev.	
28-Aug-96	4.62	0.08	Clear	0.49	0.01	Clear	5.37	0.09	Clear	1.77	0.03	Tr. cloudy	-	-	-	12.25	0.20	FD-3, FD-4 incomplete		
01-Sep-96	3.55	0.06	Clear	0.82	0.01	Clear	6.56	0.11	Cloudy	1.25	0.02	V. Cloudy	-	-	-	12.18	0.20	FD-3, FD-4 incomplete		
05-Sep-96	2.60	0.04	Clear	0.62	0.01	Clear	2.71	0.05	Clear	0.93	0.02	Cloudy	-	-	-	6.86	0.11	FD-3, FD-4 incomplete		
10-Sep-96	2.04	0.03	Clear	0.66	0.01	Clear	2.17	0.04	Clear	0.81	0.01	Clear	-	-	-	5.68	0.09	FD-3, FD-4 incomplete		
27-Sep-96	3.10	0.05	Clear	0.70	0.01	Clear	3.10	0.05	Clear	1.00	0.02	Clear	-	-	-	7.90	0.13	FD-3, FD-4 incomplete		
05-Oct-96	4.94	0.08	Clear	0.77	0.01	Clear	4.33	0.07	Tr. cloudy	6.16	0.10	Tr. cloudy	-	-	-	16.20	0.27	FD-3, FD-4 incomplete		
12-Oct-96	3.90	0.07	Clear	1.00	0.02	Clear	3.50	0.06	Clear	1.80	0.03	Clear	-	-	-	10.20	0.17	FD-3, FD-4 incomplete	915.20	
13-Oct-96	4.20	0.07	Clear	0.90	0.02	Clear	13.50	0.23	Clear	1.70	0.03	Clear	-	-	-	20.30	0.34	FD-3 complete, FD-4 incomplete	915.50	
14-Oct-96	3.80	0.06	Clear	1.00	0.02	Clear	15.00	0.25	Clear	5.40	0.09	Clear	-	-	-	25.20	0.42	FD-3 complete, FD-4 complete	915.29	
17-Oct-96	5.90	0.10	Clear	0.80	0.01	Clear	16.60	0.28	Clear	5.40	0.09	Clear	-	-	-	28.70	0.48		915.44	
18-Oct-96	9.80	0.16	Clear	1.00	0.02	Clear	26.10	0.44	Clear	9.00	0.15	Clear	-	-	-	45.90	0.77		915.50	
22-Oct-96	6.20	0.10	Clear	0.80	0.01	Clear	20.40	0.34	Clear	5.90	0.10	Clear	-	-	-	33.30	0.56		915.63	
27-Oct-96	6.00	0.10	Clear	1.50	0.03	Clear	24.20	0.40	Clear	6.40	0.11	Clear	-	-	-	38.10	0.64		916.00	
15-Mar-97	3.89	0.06	Clear	1.35	0.02	Clear	8.91	0.15	Clear	3.19	0.05	Clear	-	-	-	17.34	0.29	pig installed, sump pumped out	918.00	
16-Mar-97	3.48	0.06	Clear	1.15	0.02	Clear	8.37	0.14	Clear	2.87	0.05	Clear	-	-	-	15.88	0.26	pig installed, sump pumped out	918.20	
02-Apr-97	2.10	0.04	Clear	1.12	0.02	Clear	8.40	0.14	Clear	3.46	0.06	Clear	-	-	-	15.08	0.25	pig installed, sump pumped out	920.27	
23-Apr-97	4.14	0.07	Clear	0.94	0.02	Clear	11.56	0.19	Clear	2.35	0.04	Clear	-	-	-	18.99	0.32	pig installed, sump pumped out	923.70	
24-Apr-97	3.16	0.05	Clear	0.84	0.01	Clear	12.73	0.21	Clear	2.05	0.03	Clear	-	-	-	18.78	0.31	pig installed, sump pumped out	923.75	
29-Apr-97	2.90	0.05	Clear	0.59	0.01	Clear	10.32	0.17	Clear	1.71	0.03	Clear	-	-	-	15.52	0.26	pig installed, sump pumped out	924.81	
08-May-97	3.60	0.06	Clear	0.76	0.01	Clear	14.15	0.24	Clear	1.92	0.03	Clear	-	-	-	20.43	0.34	pig out, pumped down	925.86	
13-May-97	4.04	0.07	Clear	0.79	0.01	Clear	14.85	0.25	Clear	1.95	0.03	Clear	-	-	-	21.63	0.36	pig out, pumped down	926.43	
20-May-97	4.11	0.07	Clear	0.77	0.01	Clear	17.09	0.28	Clear	1.85	0.03	Clear	-	-	-	23.82	0.40	pig out, pumped down	926.20	
28-May-97	3.99	0.07	Clear	0.80	0.01	Clear	15.71	0.26	Clear	1.87	0.03	Clear	-	-	-	22.37	0.37	pig out, pumped down	926.25	
10-Jun-97	4.15	0.07	Clear	0.82	0.01	Clear	18.35	0.31	Clear	1.89	0.03	Clear	-	-	-	25.21	0.42	pig out, pumped down	926.34	
17-Jun-97	4.10	0.07	Clear	0.78	0.01	Clear	19.93	0.33	Clear	1.85	0.03	Clear	-	-	-	26.66	0.44	pig out, pumped down	926.40	
24-Jun-97	3.97	0.07	Clear	0.84	0.01	Clear	17.24	0.29	Clear	1.83	0.03	Clear	-	-	-	23.83	0.40	pig out, pumped down	926.39	
01-Jul-97	3.93	0.07	Clear	0.69	0.01	Clear	14.72	0.25	Clear	1.73	0.03	Clear	-	-	-	21.07	0.35	pig out, pumped down	926.38	
08-Jul-97	4.05	0.07	Clear	0.72	0.01	Clear	18.07	0.30	Clear	1.88	0.03	Clear	-	-	-	24.72	0.41	pig out, pumped down	926.39	
15-Jul-97	4.11	0.07	Clear	0.88	0.01	Clear	15.38	0.26	Clear	2.24	0.04	Clear	-	-	-	22.61	0.38	pig out, pumped down	926.57	
22-Jul-97	4.06	0.07	Clear	0.91	0.02	Clear	15.83	0.26	Clear	2.05	0.03	Clear	-	-	-	22.85	0.38	pig out, pumped down	926.66	
29-Jul-97	4.40	0.07	Clear	0.85	0.01	Clear	20.48	0.34	Clear	2.11	0.04	Clear	-	-	-	27.84	0.46	pig out, pumped down	926.73	
05-Aug-97	4.13	0.07	Clear	0.79	0.01	Clear	18.35	0.31	Clear	1.97	0.03	Clear	-	-	-	25.24	0.42	pig out, pumped down	926.75	
13-Aug-97	4.12	0.07	Clear	0.78	0.01	Clear	24.19	0.40	Clear	2.02	0.03	Clear	-	-	-	31.11	0.52	pig out, pumped down	926.82	
20-Aug-97	4.13	0.07	Clear	0.76	0.01	Clear	15.95	0.27	Clear	1.80	0.03	Clear	-	-	-	22.64	0.38	pig out, pumped down	926.75	
26-Aug-97	4.62	0.08	Clear	0.76	0.01	Clear	18.75	0.31	Clear	1.92	0.03	Clear	-	-	-	26.05	0.43	pig out, pumped down	926.86	
03-Sep-97	4.48	0.07	Clear	0.76	0.01	Clear	16.95	0.28	Clear	1.76	0.03	Clear	-	-	-	23.95	0.40	pig out, pumped down	926.93	
09-Sep-97	4.57	0.08	Clear	0.75	0.01	Clear	16.04	0.27	Clear	1.81	0.03	Clear	-	-	-	23.17	0.39	pig out, pumped down	926.71	
17-Sep-97	4.62	0.08	Clear	0.77	0.01	Clear	16.71	0.28	Clear	1.78	0.03	Clear	-	-	-	23.88	0.40	pig out, pumped down	926.88	
23-Sep-97	4.64	0.08	Clear	0.78	0.01	Clear	17.75	0.30	Clear	1.83	0.03	Clear	-	-	-	25.00	0.42	pig out, pumped down	926.85	
02-Oct-97	4.78	0.08	Clear	0.82	0.01	Clear	16.76	0.28	Clear	1.86	0.03	Clear	-	-	-	24.22	0.40	pig out, pumped down	926.92	0.055
08-Oct-97	4.69	0.08	Clear	0.81	0.01	Clear	16.01	0.27	Clear	1.95	0.03	Clear	-	-	-	23.46	0.39	pig out, pumped down	926.97	0.065
16-Oct-97	5.14	0.09	Clear	1.11	0.02	Clear	17.86	0.30	Clear	2.31	0.04	Clear	-	-	-	26.42	0.44	pig out, pumped down	927.06	0.095
24-Oct-97	5.13	0.09	Clear	0.92	0.02	Clear	16.23	0.27	Clear	1.98	0.03	Clear	-	-	-	24.26	0.40	pig out, pumped down	927.23	0.095
06-Nov-97	5.51	0.09	Clear	1.20	0.02	Clear	17.70	0.30	Clear	2.39	0.04	Clear	-	-	-	26.80	0.45	pig out, pumped down	927.51	Frozen
13-Nov-97	4.90	0.08	Clear	0.65	0.01	Clear	18.58	0.31	Clear	1.87	0.03	Clear	-	-	-	26.00	0.43	pig out, pumped down	927.60	Frozen

MOUNT POLLEY MINING CORPORATION
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SUMMARY OF DRAIN FLOW DATA

H:\ENG\DATA\Engdocs\Geotechnical\Weekly Piezo Readings\[Fd-auto.xls]Data

Note: The elevation for the top of the casing for Ground Water Well GW94-9 is approximately 916.78 m. The ground elevation is 916.18 m.

September 4, 1999

SAMPLING DATE	FD-1			FD-2			FD-3			FD-4			FD-5			Total Flow Rate			Pond El (m)	GW96-9 (GW Well)
	Flow Rate			Flow Rate			Flow Rate			Flow Rate			Flow Rate							Elev. Above Top of Casing
Date	FD1(l/min)	(l/sec)	Comments	FD2(l/min)	(l/sec)	Comments	FD3(l/min)	(l/sec)	Comments	FD4(l/min)	(l/sec)	Comments	FD5(l/min)	(l/sec)	Comments	Tot(l/min)	(l/sec)	Comments	Pond Elev.	of well 9 (m)
24-Nov-96	4.62	0.08	Clear	0.49	0.01	Clear	[illegible]	0.39	Clear	1.79	0.03	Tr Cloudy	-	-	-	[illegible]	[illegible]	[illegible]	927.63	Frozen
28-Nov-97	4.14	0.07	Clear	0.77	0.01	Clear	18.18	0.30	Clear	1.85	0.03	Clear	-	-	-	24.94	0.42	pig out, pumped down	927.65	Frozen
04-Dec-97	4.03	0.07	Clear	0.85	0.01	Clear	17.67	0.29	Clear	1.78	0.03	Clear	-	-	-	24.33	0.41	pig out, pumped down	927.75	Frozen
02-Jan-98	3.81	0.06	Clear	0.74	0.01	Clear	16.30	0.27	Clear	1.73	0.03	Clear	-	-	-	22.58	0.38	pig out, pumped down	928.10	Frozen
14-Jan-98	3.85	0.06	Clear	0.80	0.01	Clear	16.57	0.28	Clear	1.77	0.03	Clear	-	-	-	22.99	0.38	pig out, needs pumping	928.25	Frozen
21-Jan-98	3.57	0.06	Clear	0.74	0.01	Clear	16.42	0.27	Clear	1.82	0.03	Clear	-		-	22.55	0.38	pig out, needs pumping	928.30	Frozen
08-Apr-98	3.84	0.06	Clear	0.67	0.01	Clear	15.54	0.26	Clear	1.52	0.03	Clear	-	-	-	21.57	0.36	pig out, pond pumped down	929.70	-
17-Apr-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	929.85	-
25-May-98	3.82	0.06	Clear	0.69	0.01	Clear	15.58	0.26	Clear	1.37	0.02	Clear	6.33	0.11	Clear	27.79	0.46	pig out, pond pumped down	930.10	-
02-Jun-98	3.52	0.06	Clear	0.78	0.01	Clear	15.58	0.26	Clear	1.42	0.02	Clear	6.80	0.11	Clear	28.10	0.47	pig out, pond pumped down	930.36	-
10-Jun-98	3.83	0.06	Clear	0.79	0.01	Clear	14.60	0.24	Clear	1.44	0.02	Clear	7.51	0.13	Clear	28.17	0.47	pig out, pond pumped down	930.39	-
16-Jun-98	3.77	0.06	Clear	0.78	0.01	Clear	16.35	0.27	Clear	1.41	0.02	Clear	7.93	0.13	Clear	30.24	0.50	pig out, pond pumped down	930.42	-
03-Jul-98	3.89	0.06	Clear	0.76	0.01	Clear	16.14	0.27	Clear	2.37	0.04	Clear	12.53	0.21	Clear	35.69	0.59	FD-5 is spilling onto FD-4 providing higher values than normal	930.45	-
07-Jul-98	3.71	0.06	Clear	0.72	0.01	Clear	16.03	0.27	Clear	2.22	0.04	Clear	9.66	0.16	Clear	32.34	0.54	negative value is below top of casing	930.50	-0.135
24-Jul-98	3.53	0.06	Clear	0.72	0.01	Clear	15.75	0.26	Clear	1.96	0.03	Clear	8.70	0.15	Clear	30.66	0.51	-	930.58	0.28
12-Aug-98	3.46	0.06	Clear	0.62	0.01	Clear	15.96	0.27	Clear	1.90	0.03	Clear	7.30	0.12	Clear	29.24	0.49	-	930.61	0.33
19-Aug-98	3.17	0.05	Clear	0.56	0.01	Clear	15.83	0.26	Clear	2.26	0.04	Clear	8.08	0.13	Clear	29.90	0.50	-	930.64	-
10-Sep-98	3.60	0.06	Clear	0.57	0.01	Clear	16.35	0.27	Clear	2.03	0.03	Clear	8.02	0.13	Clear	30.57	0.51	-	930.70	-
17-Sep-98	3.53	0.06	Clear	0.63	0.01	Clear	16.42	0.27	Clear	2.20	0.04	Clear	8.52	0.14	Clear	31.30	0.52	-	930.73	-
24-Sep-98	3.62	0.06	Clear	0.64	0.01	Clear	15.64	0.26	Clear	2.06	0.03	Clear	7.77	0.13	Clear	29.73	0.50	-	930.77	-
07-Oct-98	3.72	0.06	Clear	1.05	0.02	Clear	14.22	0.24	Clear	2.36	0.04	Clear	13.39	0.22	Clear	34.74	0.58	positive value is above top of casing	930.81	0.18
15-Oct-98	3.82	0.06	Clear	1.10	0.02	Clear	14.53	0.24	Clear	2.56	0.04	Clear	15.83	0.26	Clear	37.84	0.63	-	930.87	
21-Oct-98	3.94	0.07	Clear	1.12	0.02	Clear	15.35	0.26	Clear	2.95	0.05	Clear	18.46	0.31	Clear	41.82	0.70	-	930.95	
17-Nov-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Sump flooded, needs to be pumped		0.11
27-Nov-98	4.21	0.07	Clear	1.01	0.02	Clear	14.28	0.24	Clear	2.35	0.04	Clear	11.76	0.20	Clear	33.62	0.56		931.35	-0.03
02-Dec-98	4.35	0.07	Clear	0.92	0.02	Clear	14.16	0.24	Clear	2.37	0.04	Clear	11.46	0.19	Clear	33.26	0.55		931.97	-0.03
09-Dec-98	4.34	0.07	Clear	0.79	0.01	Clear	16.56	0.28	Clear	2.01	0.03	Clear	9.78	0.16	Clear	33.49	0.56		931.97	Frozen
16-Dec-98	4.33	0.07	Clear	0.97	0.02	Clear	13.92	0.23	Clear	2.83	0.05	Clear	19.32	0.32	Clear	41.37	0.69		931.97	Frozen
22-Dec-98	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded, needs to be pumped down	931.99	Frozen
05-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.00	Frozen
12-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.02	Frozen
20-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.03	Frozen
28-Jan-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.05	Frozen
09-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.06	Frozen
16-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.07	Frozen
23-Feb-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	932.08	Frozen
18-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	933.08	Frozen
30-Mar-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	934.08	Frozen
08-Apr-99	#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A		#N/A	#N/A	Flooded needs to be pumped down	935.08	Frozen
																		(Started pumping April 9)		