DHA-26

Final Field Team Report

July 1954

Cosumnes Gold Dredging Co.
Valley County, Idaho

Docket No. DMEA 2265
Contract Idm-E351

TABLE 9

SUMMARY OF BENEFICIATION TESTS ON COMPOSITE SAMPLE OF PADDY FLAT PLACER BLACK SAND CONCENTRATES

Product	Weight %	Wgt. %	ANALYSES, PERCENT Cb	Ta	U_3O_8	REO	$(Zr/Hf)O_2$	$\left(\frac{Hf}{Zr/Hf}\right)100$	PERCENT RECOVERY Cb	Ta	U_3O_8	REO	$(Zr/Hf)O_2$	ESTIMATED LBS. RECOVERED PER CU. YD. OF ORIGINAL GRAVEL 3/ REO	U_3O_8	$(Zr/Hf)O_2$	Magnetite
*Slime	2.651				< 0.02	0.40											
*Magnetic 1/	26.255																15.75
*Ilmenite-garnet	28.275		0.92	0.52	0.18												
Quartz-zircon	31.305	100.00					2.47	2.4					100.00				
Table conc.		3.55					5.10	2.4					73.41			0.416	
*Table tailing		96.45					0.68						26.59				
*Monazite-magnetics	3.547	100.00			0.002	0.27					100.00	100.00					
Table conc.		0.60			0.18	24.3					15.34	55.00		nil	nil		
Table tailing		99.40			< 0.02	0.12					84.66	45.00					
*Cb Magnetics	2.024	100.00	0.82	0.74	0.07				100.00	100.00	100.00						
Table conc.		0.77	2.0	1.0	0.18				1.86	1.04	1.96						
Table tailing		99.23	0.82	0.74	0.07				98.14	98.96	98.04						
*Cb Non-magnetics	0.233	100.00	0.68	0.41	0.11				100.00	100.00	100.00						nil
Table conc.		15.42	1.1	0.66	0.30				25.05	25.05	43.86						
Table tailing		84.58	0.60	<0.5	0.07				74.95	74.95							
Monazite concentrate	0.972				0.18	48.2								0.28 2/			
*Monazite tailing	4.738				0.09	0.12											
	100.00																

*Minor metal minerals content and grade of product considered too low to include as recoverable minerals.

1/ Assayed 62.3% Fe, 0.37% P, and 1.98% TiO_2

2/ 0.28 lbs. REO/cu. yd. equivalent to 0.42 lbs/cu.yd. of monazite containing 67% REO.

Note: Composite sample was separated into slime, magnetic, ilmenite-garnet, quartz-zircon, monazite-magnetics, columbium magnetics, columbium non-magnetics, monazite concentrate, and monazite tailings at the Boise laboratory of Porter Bros. Corporation. See "Porter Test Procedure" in Appendix for details.

Table concentration tests made at Bureau of Mines, Albany, Oregon.

3/ Based on estimated 60 lbs. black sand concentrate per cu. yd. of gravel.

PROCEDURE USED BY PORTER BROS. CORPORATION
FOR CONCENTRATING BLACK SAND CONCENTRATES
BOISE, IDAHO

The procedure employed in beneficiation of black sands is outlined below.

1. Screen on 20 mesh, crush the plus 20 mesh to minus 20 mesh in a set of laboratory rolls, and combine the two fractions of black sands.

2. Attrition the material in a laboratory size WEMCO attrition mill for 20 minutes at 80% solids.

3. Deslime the attritioned product by decantation to simulate classification at 100 mesh.

4. Dry both fractions and weigh the slime portion.

5. Pass the sand through a Dings magnetic roll to remove magnetite as a finished product.

6. Pass the non-magnetic from Step 5 through a laboratory inducted roll (Magnetic separator) to remove an ilmenite garnet concentrate of low monazite and columbium mineral value. This separation is obtained by employing a low magnetic flux in the machine and several passes are required to yield a product suitable to be discarded. The ilmenite garnet fraction is the magnetic fraction.

7. Pass the non-magnetic product from Step 6 through the laboratory induced roll at maximum magnetic flux to produce a rejectable quartz-zircon concentrate (non-magnetic).

8. Pass the magnetic fraction from Step 7 through a laboratory electrostatic separator to produce a monazite fraction and a columbium fraction. Several passes are required to effect a satisfactory separation, and the cleaner tails produced are retreated, so that only the two final products result from the separation.

9. Pass the monazite fraction from Step 8 through a crossbelt separator set to pull minerals of greater magnetic susceptibility than monazite, thereby producing a non-magnetic product containing the greater part of the monazite.

10. The monazite fraction from Step 9 was tabled to produce a finished monazite concentrate and a rejectable tailing.

11. Pass the columbium fraction from Step 8 through a crossbelt separator set to pull ilmenite, garnet, and other minerals of higher magnetic susceptibility than columbium-bearing minerals to produce a non-magnetic fraction containing the greater part of the columbium minerals. As the non-magnetic fraction was of insufficient weight to allow for a satisfactory table separation, these products have been shipped as is. Actually, a gravity separation is required on these samples to separate the columbium minerals from sphene, quartz, etc.

The outline above briefly describes the concentration procedures employed on these samples and simulates the proposed treatment on Bear Valley black sands. We have found that in semi-continuous operation, we are able to make a much better separation than when treating small samples in a batch operation such as was required on these samples.

TABLE 1

Cosumnes Gold Dredging Co.
Valley County, Idaho

SUMMARY OF CLAMSHELL DRILLING AND PILOT WASHING PLANT DATA
PADDY FLAT PLACER DEPOSIT, IDAHO

Docket No. DMEA 2265
Contract Idm-E351

Data taken from Company's drill and pilot washing plant logs

Hole No.	1952 Date Hole Started	Ended	Hole depth Feet	Displaced vol. of hole Cu.Yds.	Weight percent of gravel sizes -10 mesh	+10 mesh -5/8"	+5/8"	Sludge	Estimated moisture %	Estimated wt. per cu.yd. of dry gravel Lbs.	Estimated lbs. of concentrate per cu.yd. of dry gravel
PF 101 Y *	7/17	7/17	18 BR	1.73	52	16	25	7	5	2830	9.6
# 102 *	7/17	7/18	10	0.98	40	23	35	2	5	3120	58.5
# 103 **	7/18	7/18	15 BR	1.46	36	14	40	10	5	2850	23.0
104 *	7/18	7/19	28 BR	2.64	33	15	43	9	5	3020	14.5
# 105 *	7/23	7/25	27 BR	2.63	49	17	33	1	15	3300 e	137.0
# 106 **	7/19	7/19	20 BR	1.95	53	22	22	3	10	3000 e	43.1
# 107 *	7/21	7/23	31	3.02	52	18	29	1	10	3300 e	65.2
# 108 *	7/28	7/28	26 BR	2.53	59	14	26	1	10	3000 e	30.5
# 109 *	7/28	7/30	20 BR	1.95	40	29	31	0	10	3300 e	52.1
# 110 *	7/30	7/30	84	8.19	60	11	28	1	15	3200 e	52.2
# 111 *	8/4	8/6	78	7.60	60	--	34	6	10	3260	101.0
112 *	8/6	8/6	31 BR	3.0	44	--	56	0	6	?	10.0 ***
# 113 *	8/7	8/8	70	6.82	51	--	49	0	13	?	30.3 ***
# 114 *	8/8	?	66	6.43	50	--	50	0	10	?	55.7 ***
# 115 *	8/11	8/12	57	5.55	48	--	52	0	10	?	36.0 ***
# 116 **	8/12	8/13	36	3.31	47	--	48	5	15	3200 e	75.9
117	8/13	8/13	13	Bedrock came to surface. Sample not concentrated.							
118	8/13	8/13	6	Bedrock came to within 5 feet of surface. Sample not concentrated.							
# 119 *	8/14	8/14	36	3.51	47	--	48	5	?	?	56.5 ***
120 **	8/14	?	39 BR	3.8	58	--	39	3	8	3330	30.5
121 *	8/15	8/15	24	2.3	?	?	?	?	10	3300	5.0
122 *	8/15	8/16	15	1.48	?	?	?	?	10	3220	9.1
# 123 **	8/16	8/18	40	3.9	49	--	45	6	15	3720	50.0
# 124 **	8/18	8/19	41	4.0	58	--	38	4	12	?	40.0 ***
# 125 **	8/19	8/20	15	1.3	49	--	49	2	20	3200 e	74.3
126 **	8/20	8/21	23	2.24	45	--	51	4	20	2800	27.7
127 **	8/21	8/21	37	3.6	35	--	59	6	17	?	22.2 ***
# 128 *	8/21	8/22	44 BR	4.0	27	--	68	5	14	?	33.5 ***
129 **	8/22	8/22	15 BR	1.46	53	--	43	4	18	?	75.0 ***
130	8/23	8/23	5 BR	Bedrock came to within 5 feet of surface. Sample not concentrated.							
# 131 *	8/23	8/25	55	5.36	56	--	39	5	10	?	51.2 ***
132 *	8/26	8/26	29	2.83	34	--	66	--	11	?	41.1 ***
133 *	8/26	8/26	22	2.0	29	--	69	2	5	?	8.0 ***
# 134 *	8/26	8/27	20	1.95	69	--	26	5	14	?	48.0 ***
# 135	8/27	8/27	10	0.98	58	--	42	--	--	?	77.0 ?

Note:
- * 1/2 hole sample.
- ** 1/4 hole sample.
- *** Based on concentrate weight divided by displaced volume of hole. Other estimates presumably based on actual gravel weights.
- # Used for yardage calculations.
- BR Hole reached bedrock. Clamshell hole diameter, 22".
- e Estimated - no basis for estimate is given.

TABLE 2

Cosumnes Gold Dredging Co.
Valley County, Idaho

SUMMARY OF ESTIMATES OF CONTENTS OF BLACK SAND CONCENTRATES AND GRAVEL
PADDY FLAT PLACER DEPOSIT, IDAHO

Docket No. DMEA 2265
Contract Idm-E351

Sample No.	Estimated Contents of Black Sands Concentrates 1/ 3/						Hole Depth, Feet	Estimated Pounds per Cubic Yard of Original Gravel 2/						Lbs. Black Sands Conc. per cu.yd.
	% Magnetite	% Ilmenite	% Garnet	% Monazite	% Zircon	% Mafic Blacks		Magnetite	Ilmenite	Garnet	Monazite	Zircon	Mafic Blacks	
PF 105 Y	31.5	28.6	4.3	0.92	0.8	9.8	27	43	39	6	1.2	1	13	137
PF 110 Y	39.9	12.2	2.8	0.19	0.6	1.8	84	21	6	1	0.1	--	9	52
PF 111 Y	46.6	12.2	3.5	0.30	Tr	3.0	78	47	12	4	0.3	Tr	3	101
PF 113 Y	43.6	17.5	4.1	0.93	0.3	1.1	70	12	5	1	0.3	Tr	--	30
PF 114 Y	19.8	21.3	8.9	0.52	0.1	3.3	66	11	12	5	0.3	--	2	56
PF 115 Y	43.9	15.9	7.6	0.08	0.1	2.5	57	16	6	3	0.03	--	1	36
PF 116 Y	34.0	18.2	4.0	0.60	Tr	2.4	36	26	14	3	0.5	--	2	76
PF 119 Y	28.2	24.8	10.9	1.01	0.5	3.7	36	16	14	6	0.6	--	2	57
PF 123 Y	27.0	9.5	11.3	0.40	Tr	4.5	40	13	5	5	0.2	--	2	50
PF 124 Y	14.3	24.2	8.6	0.51	--	8.9	41	6	10	3	0.2	--	4	40
PF 125 Y	16.7	20.8	10.7	0.39	Tr	9.1	15	12	15	8	0.3	--	7	74
PF 128 Y	3.3	25.2	3.8	0.12	1.0	13.7	44	1	9	1	0.04	--	4	34
PF 131 Y	10.0	34.7	2.5	0.90	0.4	8.2	55	5	18	1	0.5	--	4	51
PF 134 Y	16.3	18.7	13.2	0.43	Tr	12.9	20	8	9	7	0.2	--	6	48
Weighted average							47.4	18.9	11.6	3.4	0.3	--	--	60

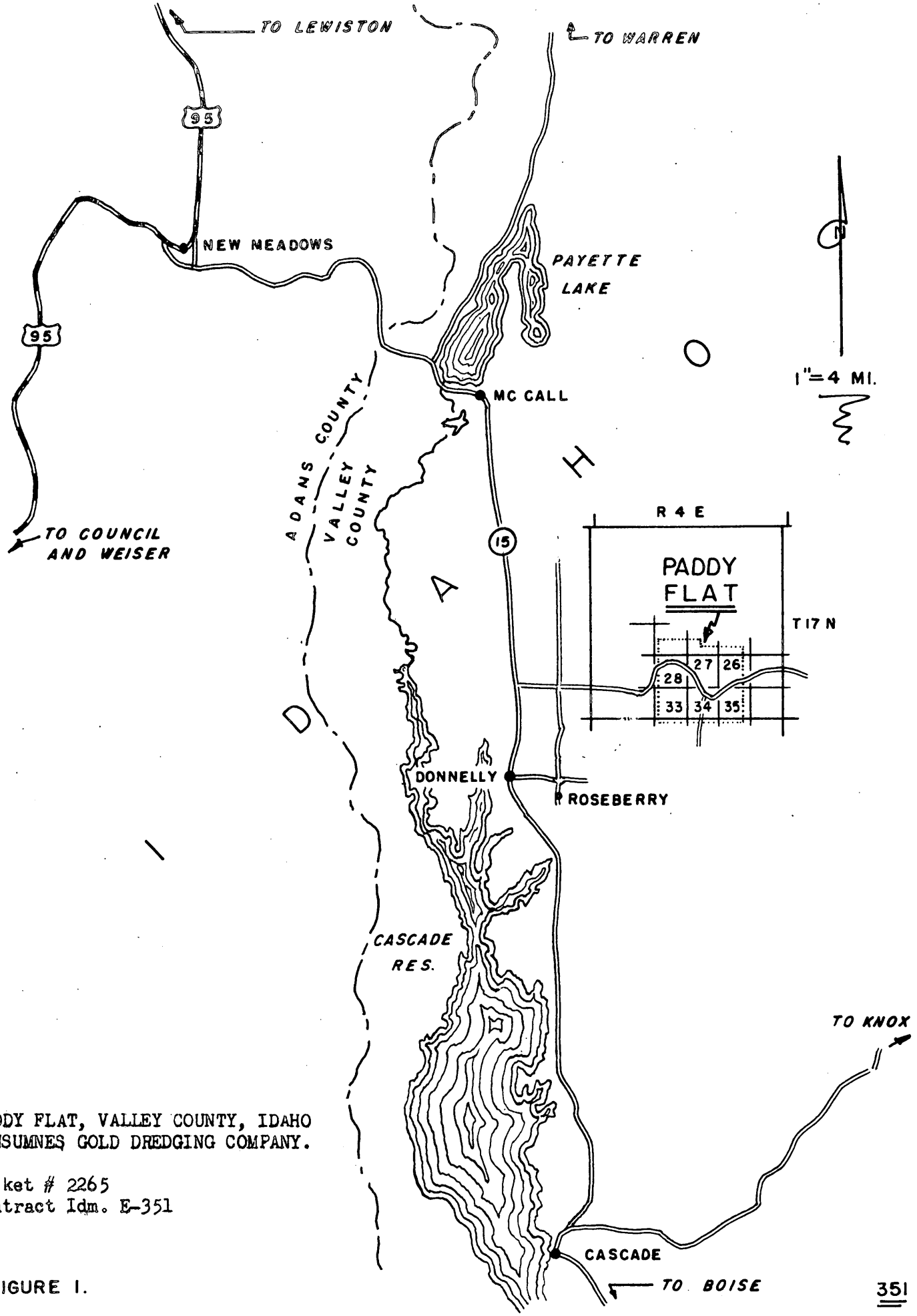
Note: * Excluded.
1/ Estimates based on mineral separation determinations and graincounts by John F. Kolars, University of Washington.
2/ Calculations based on estimated contents of black sand concentrates 1/ and estimated pounds of black sands per cubic yard of gravel determined in pilot washing plant.
3/ Balance of black sand concentrates consists of quartz, feldspar, and other miscellaneous light minerals.

Example of Minerals Separation Determinations

Drill Hole No. PF 105Y

Total weight of sample 10.0 gms.
Weight of light minerals 2.96 gms.
Weight of heavy minerals 7.04 gms.
% weight of heavy minerals 70.4

Fraction	Wgt. gms.	Content of heavy minerals						
		Magnetite	Ilmenite	Garnet	Monazite	Zircon	Mafic Blacks	Other
1. +20 mesh	0.26	---	0.05	0.14	---	---	0.04	---
2. magnetite	3.13	3.13	---	---	---	---	---	---
3. Franz, 0.275 amps.	1.61	0.02	1.59	T	---	---	---	---
4. " 0.4 "	0.52	---	0.22	0.29	---	---	0.01	---
5. " 0.5 "	0.85	---	---	T	---	---	0.85	---
6. " 0.8 "	---	---	---	---	0.06	---	0.10	0.17
7. Ht, (heavy)	0.33	---	---	---	0.03	0.08	---	0.20
8. Bt, (light tails)	2.96	---	---	---	---	---	---	---
Total minerals in samples, gms.		3.15	1.86	0.43	0.09	0.08	1.00	0.37
% minerals in heavy minerals		44.7	40.7	6.1	1.3	1.1	14.0	5.2



PADDY FLAT, VALLEY COUNTY, IDAHO
CONSUMNES GOLD DREDGING COMPANY.

Docket # 2265
Contract Idm. E-351

FIGURE I.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Rapid Creek-Kennally Fork Ridge

Type of Sample	Sta. No.	Total Conc. #/1 yd³	Pan Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon	Anatase	Apatite	Kyanite	Leucoxene	Pyrite	Rutile	Sillimanite	Spinel	Xenotime
Bench gravel	18-56#31	17	83	9.	77.	8.	1.	x	1.	x	2.8		x				x			x		x
Bench gravel	18-56#32	23	91	73	21	1.8	1.2	0.3	2.	x	0.1		x				x			x		x
Bench gravel	18-55#73	59	84	x	80	13	0.4		0.2		5.		x				x			x		x
Drill Hole (composite)36' deep	PF119Y	44	78	36	32	14	4.8	x	3.	4.	1.3		0.6				x		x	3.		
Drill Hole (composite)34' deep	PF116Y	51	67	51	27	6	3.6		3.	3.	.9		x				x		x	3.		
Drill Hole (composite)57' deep	PF115Y	28	77	57	21	10	3.2	x	3.	3.	0.1		0.1				x		x	2.		
Drill Hole (composite)66' deep	PF114Y	36	65	30	33	14	5.		3.	3.	0.8		2.		x		x			4.	x	x
Drill Hole (composite)70' deep	PF113Y	23	77	56	23	5.	1.4	x	4.	4.	1.2		0.4				x		x	3.	x	x
Drill Hole (grab sample)31'deep	PF112Y	5.3	74	9.	68	9.8	?	x	0.5	2.7							x					x
Drill Hole (composite)78' deep	PF111Y	60	75	63	16	4.7	4.	x	3.	4.	0.4	T	x						x	3.		
Drill Hole (composite)84' deep	PF110Y	34	65	62	19	4.	2.8		3.	1.	0.3		0.9		x	?	x	x	x	3.		
Soil, of Bench gravel	18-54#46	2.5	83	66	23	5.	3.	+	2.	x	0.2		5.(?)						x			
South Valley Side-Kennally Fk.																						
Bench gravel (w. pit)	18-55#62	36	88	85	13	1.4	++	x	0.2	x	++		T									x
Bench gravel	18-55#61	22	81	78	15	3.	0.9	x	3.	x	0.5		T					x		x	x	x

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Camp Creek - Rapid Creek Bench

Type of Sample	Sta. No.	Tot. Conc. # 1 yd³	Pan Eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon		Anatase	Apatite		Kyanite		Leucoxene		Pyrite	Rutile	Sillimanite	Spinel		Xenotime
Small dry wash in Bench Gravels	18-55#25	21	84	0.3	41	50	2.7	x	2.		1.7		x(?)											x	x		
Bench gravel, Pit, 18' deep	18-55#24	16	88	69	12	13	3.	0.3	2	0.6	++		x									x		x	x		
Drill Hole (composite) 15' deep	PF 125Y	49	66	25	32	16	14		4.	4.	0.6		x			x								3.			
Drill Hole (composite) 20' deep	PF 134Y	34	71	23	26	19	18		4.	5.			x										x	4.			
Drill Hole (composite) 41' deep	PF 124Y	29	73	20	33	12	12		4.	4.	0.7					2.							x	10(?)			
Drill Hole (composite) 40' deep	PF 123Y	33	66	41	14	17	6.8		5.	4.	0.6		x							x				8.			
Drill Hole (grab sample) 20' deep	PF 106Y	4.1	77	31	43	13	5.7	0.4	3.	x	2.2		x											x	x		x
Drill Hole (grab sample) 26' deep	PF 108Y	18	87	83	6.6	3.1	2.4	0.1	1.		0.7		x									x		x	x		
Bench gravel, 20' Road Cut	18-54#45	28	93	86	7.4	3.	1.2	0.1	0.9	+	0.1		x			x				x		x	x		x		
Small stm on Bench gravels	18-54#50c	36	80	1.7	25	44	22	2.	3.	x	0.9		x									x	x	x	x		
Older Bench gravels (higher)	18-54#50d	1.5	73	26	52	9.5	4.5	0.6	4.	x	0.6		x			x		?		x			x	x	x		
Older Lag gravels	18-54#49D	3	65	24	25	18	24	+	25	x	0.6		?										x		x		
Camp Creek sample	18-55#26	11	87	0.3	56	23	14	x	5.	x	0.2		?			x		?					x		x		
Camp Creek sample	18-55#7	47	81	0.4	59	20	11	6.1	1.6	x			x										x	x	x		

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Rapid Creek Valley Floor & Terrace

Type of Sample	Sta. No.	Total Conc., # 1 yd3	Pan eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon		Anatase	Apatite		Kyanite		Leucoxene	Malacon	Pyrite	Rutile	Sillimanite	Spinel		Xenotime
Drill Hole (grab sample)																											
20' BR. deep	PF 109Y	17	88	51	9.4	33	5.5	0.3	0.7	x	0.2	T	x											x			x
Stm sm, Rapid Cr. bar.	18-54#11	28	88	45	13	35	4.4	0.6	0.6	x	0.4	T	+									x			x		
Stm sm, " ",boulder payment	18-54#0	3.9	68	6	19	46	13	x	3.		0.5		T												x		
Stm sm, Rapid Cr,																											
	18-57#51a	15	80	3.	12	61	13	1.	1.	+	++		x										x	x			
Soil, Wisc. Moraine	18-57#51b	2.66	73	24	10	49	12	0.7	12	x	+		x								x			x			

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Paddy Creek-Camp Creek Bench & Bench West of Paddy Creek

Type of Sample	Sta No.	Total Conc. # 1 yd³	Pan Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon	Anatase	Apatite	Kyanite	Leucoxene	Malacon	Pyrite	Rutile	Sillimanite	Spinel	Xenotime
Paddy Cr.-Camp Cr. Bench																							
Older Gravel, Placer Pit (Basaltic gravel)	18-55#38b	28	91	86	10	++	1.	0.2	2.	x	+		x				x						x
Bench gravel, Placer Pit (older?)	18-55#27	23	87	T	42	38	15	0.8	2.	0.7	1.3		+							x	1.	x	
Bench gravel, Placer Pit	18-55#38a	28	85	73	25	0.4	1.7	0.5	2	?	++												
Drill Hole (grab sample) 23' deep	PE 126Y	10	75	6.2	69	11	6.9	0.3	4.6	x	0.7		x								x		
Drill Hole (grab sample) 37' deep	PF 127Y	10	80	24	61	5.9	4.2	0.4	1.8	x	1.		x										
Drill Hole (composite) 55' deep	PF 131Y	35	69	15	50	3.6	12		6.	4.	1.3		.6				x	x		x	2.		
Drill Hole (grab sample) 10' deep	PF 135Y	6.3	69	0.3	43	39	10	0.9	4.	x	0.4		x								x	x	
Bench gravel (road cut)	18-54#48	4.4	70	6.7	57	13	8	0.8	11	x	0.5		2(?)			?	x			x		x	
Drill Hole (grab sample) 28' BR deep	PF 104Y	9.9	87	67	23	4.8	1.7	0.1	2	x	0.8		x								x		x
Drill Hole (grab sample) 15' BR deep	PF 103Y	2.6	71	6.4	72	13	33	+	5.	x	+		x						x		0.3	x	x
Bench gravel, 8' Pit	5-17#4	27	77	0.4	83	23	7.3		3.		1.		T							x			
Small Creek with Lag gravels	5-18#3	23	68	11	70	0.6	8.5		x		4.6		0.6		x								
Bench West of Paddy Creek																							
Drill Hole (grab sample)	PF 130Y	6.0	79	87	5.4	+	0.2	0.3	4	x	+		x								x		
Drill Hole (grab sample)	PF 129Y	43	87	53	27	0.1	3.7	0.1	1.	0.2	0.1		x								x		
Drill Hole (composite)	PF 128Y	19	58	5.7	43	6.5	23	x	6.	3.	0.2		2.							x	3.		

x Indicates the precence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Paddy Creek Valley Floor

Type of Sample	Sta. No.	Total Conc. # 1 yd³	Pan. Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks.	Zircon		Anatase	Apatite		Kyanite		Leucoxene		Pyrite	Rutile	Sillimenite	Spinel		Xenotime
Stm, sm, Paddy Cr.	18-55#39	44	84	4.5	56	10	19	0.5	7	x	0.5		?											x	x		
Drill Hole (grab sample) 22'deep	PF 133Y	3.6	79	70	18	1.7	2.	++	0.2	x	+		x											x			
Drill Hole (grab sample) 29'deep	PF 132Y	18	72	30	44	8.4	9.1	0.7	5.9	x	0.1		x											x			
Drill Hole (grab sample) 31'deep	PF 107Y	90	83	44	35	9.3	8.6	0.4	2	x	0.5		x											x			
Drill Hole (composite) 27' deep	PF 105Y	97	70	45	41	6.	14		2.		1.6		1.			3.							x				
Stm sm, Paddy Cr.	5-18#43a	13	88	0.3	68	21	5.2	0.6	0.4	x	2.9		x											x			x
Drill Hole (grab sample) 10'deep	PF 102Y	46	78	18	50	13	12	0.6	2.		1.8		x									x		x	x		x
Stm sm., Paddy Cr.	5-18#2a	60	78	0.1	33	44	16		0.9		4.6		x												x		

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Large Streams and Miscellaneous Samples

Type of Sample	Sta. No.	Tot. Conc., # 1 yd3	Pan Eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio Bks.	Zircon		Anatase	Apatite		Kyanite		Leucoxene		Pyrite	Rutile	Sillimanite		Spinel	Xenotime
Stream sample, N. Fork Gold Fork, coarse gravel	18-55#28	33	82	24	23	44	4.4	0.7	0.6	1	0.4		T										x			x	
Stream sample, Kennally Fork, side bar	18-56#33	41	85	43	45	0.4	4.1	3	3	x	T		x														x
Stream sample, Kennally Fork	24-55#55a	5.7	76	34	40	20	+	x	x	x	4.4	T	x									x					x
Stream sample, Kennally Fork (poor sample)	24-55#18	2.9	72	7.1	37	23	0.9	0.9	0.9		27		+													x	x
Stream sample, Powelson Cr.	24-55#16	73	81	19	45	33		2.	+		3.	T								x							x
Miscellaneous																											
Terrace sample, Paddy Cr., Basalt gravels	18-55#67	85	91	52	38	28	4.	0.3	1.1	x	0.3		x							x						x	x
Old gravels? resting on Latah-Basalt sluff	18-55#66a	5.4	84	44	39	8.9	5.	0.3	1.	x	0.3		x							x						x	x
Latah sands	18-55#66	0.06	34	14	71	+		T	+	x	5.		x							x							x

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Local samples related to bedrock

Type of Sample	Sta. No.	Total Conc. #1 yd³	Pan Eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio Bks	Zircon	Anatase	Apatite	Kyanite	Leucoxene	Pyrite	Sillimenite	Spinel	Xenotime
WEST																					
Weathered bedrock (uncontaminated)	18-56#35	4.4	68	86	5.1	T	2.2	0.6	3.	x	T		x								
Local Stream	18-56#34	42	93	68	25	4.	0.2	++	0.1		2.5		x				x			x	x
Weathered bedrock (uncontaminated) coarse cgn	18-56#30	4.4	69	93	4.	+		0.6	0.6				x		x						
Local stream (associated basalt)	18-55#69	1.5	59	2.4	70	T	12	2.	9.	x	T		x				x				
Soil (biotite gneiss)	18-55#71	6.0	66	81	9.	T	4.	0.3	3.	x			x		x			x			
Local Stream	18-55#72	56	92	82	14	+	1.7	0.3	1.	x	+		x				x				
Local Stream	5-18#8	9.4	77	39	52	1.7	1.3		2.	0.3	0.5		x		x		x			x	x
Local Stream	5-18#41	19	87	46	30	0.2	1.7	1.	3.	x	++		0.2							x	
Weathered bedrock uncontaminated biotite	5-18#42	0.8	48	81	2.4	T	7.	x	7.		T		7.					x		x	
NORTH																					
Weathered bedrock, uncontaminated biotite gneiss	18-55#38	0.3	32	85	14	T	++	x	3.	x			T							x	
Soil	5-18#44i	0.6	69	78	3.	+	7.		8.		+		++								
Weathered bedrock, uncontaminated biotite gneiss	5-18#44c	0.1	48	7.1	57	+	+	14			+		T							x	
Weathered bedrock, uncontaminated biotite gneiss	5-18#44b	0.06	21	29	57	+	+		+		+		+		x					x	

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Local samples related to bedrock

Type of Sample	Sta No.	Total conc. #1 yd3	Pan Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monzonite	Radio Bks	Zircon		Anatase	Apatite		Kyanite		Leucoxene		Pyrite		Silimenite	Spinel		Xenotime
NORTH (continued)																											
Local Stream	5-18#44a	30	81	2.2	38	27	26		2.		5.8		T											x	x		x
Weathered, biotite gneiss	18-54#49d	0.3	41	T	5.	+	54	x	38		T		5.												x		
EAST																											
Mortored bedrock, cgn-like	18-54#12	3.1	75	91	3.2	+	T		2.	x	T		T														
Weathered bedrock, cgn-like	24-55#13	0.3	76	73	+	+	T		+	x	10		T							x		x					
Weathered bedrock	24-55Z15	0.2	79	T	46	T		+		x	+		x														
Weathered bedrock	24-55#16a	0.9	83	67	22	+		+	2.	x			x									x					
Weathered bedrock, white pegmatite	24-55#55	1.3	81	73	19	+		+	2.		T		x									x					x
SOUTH																											
Soil of medium grained biotite gneiss	24-55#58	13	87	91	5	0.1	0.3	0.1	2.	0.3	T?		x							x							
Local Stream	24-55#59	57	83	94	2.5	++	0.7	0.2	1.4	x	T		+														x
Weathered, coarse biotite gneiss	24-55#61a	2.5	73	92	0.3	T	T	1.	2.8	x	T											x			x		

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

SUMMARY OF MINERALOGICAL DATA OF PADDY FLAT PLACER SAMPLES

Table 8

Type of Sample	Number of Samples Averaged	Total Concentrate	Pounds per Cubic Yard				Magnetite Percent of total conc.	Percent Exclusive of Magnetite				
			Magnetite	Ilmenite	Garnet	Monazite		Ilmenite	Garnet	Mafic Blacks"	Epidote	Monazite
Rapid Creek-Kennally Fork Ridge	11	37	22	8.	2.7	0.4	60	55	18	6.5	5.5	2.5
Camp Creek-Rapid Creek Bench	10	29	14	6.1	4.5	0.2	47	40	29	13	5.1	1.3
Rapid Creek Valley Floor Terrace	5	20	10	1.8	6.1	0.04	50	18	61	12	1.6	0.4
Paddy Creek-Camp Creek Bench	12	17	1.5	11	2.4	0.2	9	69	16	11	6.2	1.3
Bench west of Paddy Creek	3	23	16	3.3	0.1	001	70	48	2	11	13	0.1
Paddy Flat Valley Floor	8	46	19	16	4.6	0.6	41	60	17	15	3.2	2.2

[illegible] GOLD DREDGING CO.
Grangeville, Idaho.

Hole No. 101 Depth of Hole 18 Ft. Cons Cu. Yd. 10 Property CARREY & DENNISON Date 7/21

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 +20 %	-20+30 %	-30+50 %	-50+100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	4.89	—	4	10	3.2	3.3		
Ilmenite	38.98	40	40.0	40	40.0	35		
Garnet	12.75	40	40.0	20	10.0	2		
Zircon	2.58	—	—	—	2	7		
Monazite	4.30	—	3.0	2.0	4.0	8.		
Quartz	27.43	20	10.0	20.0	30	35		
Others	9.46	—	3	8	11	9.7		
Wt. in Mgm.	100	2.5	5.0	23.5	46.5	22.5		

Remarks:

M. Goss

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Hole No. 102 Depth of Hole 10' Wt. Cons Cu. Yd. 58.5 Property PF Date 7/25

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 *20 %	-20*30 %	-30*50 %	-50*100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd. ¢
Magnetite	27.20	.575 10.0	3.47 35.0	11.15 47.0	9.65 29.0	2.45 9.0	15.9	4
Ilmenite	27.02	2.35 41.0	3.47 35.0	6.50 27.0	9.30 28.0	5.4 20.0	15.6	4
Garnet	6.80	2.23 39.0	1.99 20.0	1.92 8.0	.66 2.0	Tr	4.0	10
Zircon	1.80	0 Tr	0 Tr	.12 .45	.33 1.0	1.35 5.0	1.0	2.5
Monazite	1.14	0 Tr	0 Tr	.48 2.0	.66 2.0	Tr	.67	12.0
Quartz	29.56	.46 8.0	.59 6.0	2.47 10.0	10.0 30.0	16.10 60.0	17.3	
Others	6.08	.1 2.0	.39 4.0	1.32 5.5	2.66 8.0	1.61 6.6	3.6	5. Au
Total	100	5.75	9.95	24.1	33.2	27.0	58.5	37.5
Wt. in Mgs.	17.430	1000	1730	4200	5790	9710		

Remarks: Magnetite and Ilmenite estimated at 1/4 ¢/lb
(Iron ore = $8.00/Ton and Ilmenite $18.00 to $25.00/Ton)

Magnetite and ilmenite estimated at 1/4 c/lb
(Iron ore is $8.00/ Ton and Ilmenite $18.00 to $25.00/Ton

GEORGIA GOLD DREDGING CO.
Osmerie, Idaho.

Hole No. 103 Depth of Hole 15 Ft. of Gravel 8.25 Cu. Yd. Prop. CARREY & DENNISON Date 7/21/

Screen analysis and Estimates

Mineral	Total Sample	-14+20	-20+30	-30+50	-50+100	-100	Value Cu. Yd.
Magnetite	15.0	2	3	10	25	33	
Ilmenite	38	40	40	40	30	35	
Garnet	12	30	30	20	15	5	
Zircon	—	—	—	—	5	7	
Monazite	—	—	3	2	4	3	
Quartz	26	18	5	15	25	20	
Others	9						
Gold							
Wt. in Mgms.	100						

Values calculated in cents per Lb. Magnetite ___, Ilmenite ___, Garnet ___, Monazite ___ Zircon ___, Gold @35.00 dollars per Oz.

Remarks:

MR. YOST

CONSOLIDATED GOLD DREDGING CO.
Cascade, Idaho.

Hole No. 107Y Depth of Hole 31 ft. Cons/Cu. Yd. 61# Property PF Date 7/27/

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 +20 %	-20 +30 %	-30 +50 %	-50 +100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	18.98	.08 2	1.94 20	12.2 34	3.76 11	6	1.10	
Ilmenite	30.19	1.26 30	3.88 40	9.2 26	12.3 36	25	4.15	
Garnet	5.42	1.26 30	1.16 12	1.8 3	1.02 3	Tr		
Zircon	.67	—	—	Tr	.171 0.5	3	.5	
Monazite	.43	—	—	.18 0.5	.171 0.5	0.5	.08	
Quartz	40.60	1.47 35	2.13 22	11.6 33	15.4 45	60	10.0	
Others	4.26	.13 3	.60 6	1.23 3.5	1.57 4	5.5	A3	
Wt. in Mgs.	100	4.2	9.7	35.4	34.1	16.6		

Remarks:

Sample: 6138 Lbs Dry Wt.
Total Cons: 124 Lbs — 2.02%
Au 10.7¢/yd³

COSUMNES GOLD DREDGING CO.
Cascade, Idaho.

Hole No 108 Depth of Hole ~~[illegible]~~ 26' Wt. Cons/Cu. Yd. 30.6 Property P.F. Date 7/19/52

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14*20 %	-20*30 %	-30*50* %	-50*100	*100	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	40.2	2.4 40.0	6.8 40.0	12.0 40.0	16.0 45.0	8.0 25.0		
Ilmenite	18.8	1.2 20.0	3.4 20.0	6.0 20.0	7.0 20.0	1.2 10.0		
Garnet	10.22	.15 25.0	3.4 20.0	.45 15.0	.7 2.0	.12 1.0		
Zircon	.95	—	—	—	.35 1.0	.6 5.0		
Monazite	.46	.03 0.5	.05 0.3	.5 0.5	.17 0.5	.06 0.5		
Quarts	23.0	.6 10.0	2.5 15.0	4.5 15.0	8.8 25.0	6.6 55.0		
Others	6.62	.3 4.5	.8 4.8	2.8 9.5	2.3 6.5	.42 3.5		
Wt. in Mgs.	100	6.0	17.0	30.0	35.0	12		

Remarks: ~~5~~ AT .11 Mg Au Cons
1¢/yd³ Au

[illegible]

[illegible], Idaho.

Sale No. 9711 Date of Sale 8-10-78 Wt. of Conc. ____ Dry Wt. ____ Date ____

P.F. 116

Screen analysis and Analysis

Mineral	Total Sample	-10+20	-20+30	-30+50	-50+100	-100	Value Co. Wt.
			Lbs.				
Magnetite	46.0%		46.				
Ilmenite	13.8%		13.8				
Garnet	5.7%		5.7				
Rutile	1.4%		1.4				
Monazite	1.4%		1.4				
Quartz	31.7%		31.7				
Others							
Gold							
Wt. in Lbs.							

Values calculated in order of % Magnetite 11½ Ilmenite 8.2 Garnet 15.0 Monazite 2.2 Rutile 3.2, Gold [illegible] dollars per ton.

Remarks: 56.2# Co. Yd.

Elev.

Coordinates

CONSUMNES GOLD DR[illegible]NG CO.

FIELD LOG

Page 1 of PF10[illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		✓		✓	✓			Top Soil	Red
2		✓		✓	✓			" "	"
3		✓		✓	✓		✓	Med gravel	Gray
4		✓		✓	✓			"	"
5		✓		✓	✓		✓	" "	"
6		✓		✓	✓		✓	" "	"
7		✓		✓	✓		✓	" "	"
8		✓		✓	✓			" "	"
9		✓		✓	✓			" "	"
10		✓		✓	✓			Fine Clay + Sand	Red
11		✓		✓	✓			"	"
12		3		✓	✓			" "	"
13		3		20	10		✓	" "	"
14		4		20	10			Gravel Brown	Brown
15		4		30	15			Clean Gravel	White
16		1		15	5		1/4	" Gr Coarse 8"	"
17		1		5	5				
18		1		5	5			Grn Brk Soft.	
				22" Hole					
				Sample split 1/2					
				Mz Est			12 lbs		
				Mag "			12	"	
				IL			3	"	
				Zircon "			1	"	
								All Gravel	

Date Commenced 7/7/52

Date Finished 2:30 PM 7/19/52

Tract Carney + Dennison

Panner: Day ..... Night .....

Drill Runner: Day ..... Night .....

Date ..... Shift ..... Line No. .....

Hole No. PF-10 A-Y Drill No. .....

Total Depth 17 FT Bedrock Soft Granite Water Level 1 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF-10

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZR OIL LBS YD³	FORMATION	REMARKS
1								Top Soil	Roots + Leaves
2		Tr		1	Tr			" "	
3		"		5	1			Clay Sm Sand	
4		"		5	1		1/2	" Fine Sand	Blue + Gray
5		"		15	5	1	1/2	Gravel Clay	Gray (Tight)
6		1		40	20	2	1	" Clean	Oxidized
7		1		"	"	"	"	" "	
				Moved Hole Boulder					3 FT Diameter
				Moved 10' North					
8		1		35	20	2	1	Gravel + Sand	
9		1 1/2		"	"	"	"	" "	
10				Hole sloughed 2 FT					
				Large Quartz Boulders					
				No Bottom Holes sloughing					
				Left Hole to Sand plant					
				on 7/21/52					

Date Commenced 7/17/52 - 2:00 P.M. Date Finished

Tract

Panner: Day Night

Drill Runner: Day Bob Patton Night

Date Shift Line No.

Hole No. PF-10 Y Drill No. 1

Total Depth 10 FT Bedrock No

Water Level 3 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
S. SAND
G. GRAVEL
CL. CLAY
ST. STICKY
MD. MEDIUM
M. MUCH

COSUMNES GOL[illegible]EDGING CO.

Page 1 of PF10

FIELD LOG

Coordinates

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		½		10	5	Tr	½	Sandy Loam	
2		"		"	"	"	"	Gr. Sm Clay	
3		"		"	"	"	"	Medium Clay	
4		"		"	"	"	"	"	
5		2		1	20	2	1	Coarse-Clean Gr	Red
6		"		2	"	1	1	"	"
7		"		2	15	1	1	"	"
8		1		2	2	1	1	"	"
9		2		2	15	1	1	"	"
10		3		1	7	2	½	Gravel Range Firm Brown	
11		2		2	10	3	½	Gr + Clay Firm	Quartz Grave
12		1		1	15	3	½	"	"
13		2		1	15	3	1	"	Dec. Gran Cobbles
14		1		1	15	3	½	"	Tight
15		1		1	10	2	Tr	Bedrock Soft Granite	

Good Dredging Gravel.

Digging Section 15 Ft.

Monazite Coarse

Blacks Ilmenite and Uranium?

¼ of Hole for sample Taken To Sand Pla[illegible]

7/18/52

Date Commenced 7/18/52 (11 45 AM Date Finished 7/18/52 1 00 PM

Tract Carney + Denison Panner: Day Yost Night

Nr. Main Road 1/2 way Between P.F. + R.S. Drill Runner: Day Bob Patton Night

Date Shift Line No. Hole No. PF-108-Y Drill No.

Total Depth 15 Bedrock 14 ½ Water Level 7 FT.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of [redacted]

PF104

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		Tr		½	1	Tr	Tr	Surface Loam	
2		½		1	5	Tr	Tr	" "	
3		1		1	15	Tr	½	Gravel Sm. Clay	Same as
4		1		1	15	Tr	½	" Clean	Hole PF-104-Y
5		2		1	20	1	1	" "	
6		1		1	20	1	1	" "	
7		2		½	30	1	½	" "	
8		1		1	15	1	½	Coarse Gravel	
9		3		10	75	3	1	" "	
10		3		5	60	2	2	" "	Tight gravel
11		1		5	60	2	2	" "	12" Cobbles
12		1		5	60	1	2	" "	"
13		½		2	50	1	3	" "	"
14		1		10	100	5	3	" "	"
15		1		5	50	3	1	Sand + Gr. Loose	change Gr. Med.
16		1		3	30	2	1	" "	"
17		½		100	10	5	1	" "	
18		½		60	10	5	1	" "	
19		½		50	5	5	1	" "	
20		½		20	3	5	2	Sand, Gr. + Clay	Change
21		1		30	2	6	1	" "	
22		1		20	1	5	½	" "	
23		1		20	1	4	1	" "	
24		1		20	1	4	1	" "	
25		1		20	1	4	1	" "	
26		1		20	1	4	1	" "	
27		tr		5	Tr	Tr	Tr	Brk Gray Gravel	
28								" " "	

Date Commenced 7/18/52 - 2 PM

Date Finished 7/19/52

Tract Gurey + Denison

Panner: Day ..... Night .....

[redacted] E - of Hole PF104 Nr Road

Drill Runner: Day [illegible] Night .....

Date ..... Shift ..... Line No. .....

Hole No. 104Y Drill No. .....

Total Depth 28 ft Bedrock 27 soft

Water Level No

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

COSUMNES GOLD DREDGING CO.

FIELD LOG

Elev.

Coordinates

Page 1 of [illegible] PF-105

DEPTH FEET	DEPTH IN.	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Foam & [illegible]	
2								" "	
3								Blue Sand	
4		1.25 Hy Cons				Cu Yd.		Red sand + Gravel	Hea. Cons
5		3		30	75	2	2	" " "	Md " " Inc
6		2		30	75	2	2	" " "	" (Light)
7		2		30	75	2	2	" " "	" "
8		3		30	75	2	2	" " "	Inc Mz
9		5		30	75	2	3	" " "	" "
10		1/2		20	30	7	2	Clay + Sand	
11		1/2		30	30	5	3	Sand Fine Gravel	Less Cons
12		1/2		30	30	5	3	" " "	
13		1 1/2		30	30	5	3	" " "	Inc Mz
14		1 1/2		30	30	5	3	" " "	
15		2		30	30	5	3	" " "	
16		2		30	30	5	3	" " "	
17		2		30	30	5	3	Red sand Md Gravel	
18		4		30	30	5	3	" " " "	Inc Mz
19		4		30	30	5	3	" " " "	
20		2		20	20	3	1	Gray Clay	(Less Cons)
21		4		30	30	2	4	Gray sand Md. Gravel	Inc Cons
22		4		30	30	2	4	" " " "	
23		3		20	20	2	4	Gray Clay some sand	Less Cons
24		4		30	30	2	5	Medium Gravel sandy	Inc Cons
25		4		35	35	2	5	Clay Gray Tight & Sticky	
26		5		40	40	2	5	Med. Gravel sand	Inc Cons
27		Very Little Cons						Brk Gray Granite Tight & Sticky	

1/2 of Hole Taken to sand plant on 24 + 25th of July

Date Commenced 7/23/32 / 11:15 AM Date Finished 7/25/32

Tract Geary + Dinison Paddy Flat Panner: Day ____ Night ____

Drill Runner: Day P. Pat Night ____

Date 7/23/32 Shift 1 Line No. ____ Hole No. [illegible] 105 Drill No. 1

27 Reach 36 Water Level ____

Elev.

Coordinates

COSUMNES GOLD DREDGIN

FIELD LO.

Page 1 of PF10

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1			1/2	1/2	1/2	Sandy Top Soil	
2		1			1/2	1/2	1/2	Large Gravel Some sand	
3		1			1/2	1/2	1/2	" " " "	(Granit Boulders)
4		1			1/2	1/2	1/2	" " " "	" "
5		1			[illegible]	1/2	1/2	Medum Gravel Clean sand	(Granit & Quartz)
6		1			1/2	1/2	1/2	" " " "	Gravel
7		1			1/2	1/2	1/2	" " " "	
8		2			8	2	1/2	" " " "	(Water)
9		2			8	2	1/2	" " " "	INC IN. CONS
10		2			8	2	1/2	Gray clay	
11		2			8	2	1/2	" "	
12		2			8	2	1/2	Medum Gravel	
13		2			8	2	1/2	" "	
14		2			8	2	1/2	" "	
15		2 1/2			8	2	1/2	Gray clay	
16		2 1/2			10	2	1/2	" Sand Little clay	
17		2 1/2			10	2	1/2	" " " "	
18		2 1/2			10	2	1/2	Gray sand Medum Gravel	
19		2 1/2			10	2	1/2	" " " "	
20		2 1/2			10	2	1/2	" " " "	
								No Bed	
								1/4 of Hole in sample	
								Taken to sand plant	
								on 7/19/52.	

Date Commenced 7/19/52 12:30 Date Finished 7/19/52. 12:30 PM.

Tract Garney & Dinson Paddy Flat Panner: Day ..... Night .....

Drill Runner: Day R Patterson

Date ..... Shift ..... Line No. ..... Hole No. 108Y Drill No. .....

Total Depth 20 Bedrock No Water Level .....

ABBREVIATIONS

T. TAILINGS S. SAND ST. STICKY

F. FINE G. GRAVEL MD. MEDIUM

Elev.

Coordinates

UMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF-1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Brown Top Soil	
2		1		10	10	1/2	1/2	Gray Sand	
3		1		10	10	1/2	1/2	" " Some Gravel	
4		1		10	10	1/2	1/2	Medum Clear Gravel	
5		1 1/2		10	10	1	1/2	" " "	
6		1 1/2		10	10	1	1/2	Large Clean Gravel	Caving a little
7		2		25	25	2	1/2	" " " "	Good Cons
8		2		30	25	2	1/2	" " "	Standing Good
9		2		30	25	2	1/2	Clay Dark Gray (Tight)	
10		2		30	25	2	1/2	" " " "	"
11		2		30	25	2	1/2	" " " "	"
12		2		30	25	2	1/2	" Sand	
13		2		30	25	2	1/2	" "	
14		1		15	15	1	Tr	" "	
15		1/2		10	10	1/2	Tr	Sand + M Gravel	
16		1/2		10	10	0	Tr	Clay	Tight + Sticky
17		1		10	10	1	Tr	Medum Gravel	
18		1/4		5	5	1	Tr	Clay (Less Cons)	Tight
19		1/2		5	5	1	Tr	Clay	"
20		3/4		10	10	1	1/2	Fine Gravel	
21		3/4		15	15	1	1/2	Medum Gravel Clean sand	
22		2		20	15	1	1/2	" " "	" (Corse Mz)
23		2		20	15	1/2	1/2	" " "	"
24		2		20	15	1/2	1/2	" " "	"
25		2 1/2		20	15	1/2	1/2	" " "	"
26		2		20	15	1/2	1/2	" " "	" (Running)
27		2		15	10	1/2	1/2	Running to much to go on Down	" "
28		d		"	"	"	"	Drop Casing	Prop Cas
29		d		"	"	"	"	" "	Cais
30		d		"	"	"	"	" "	Pa
31		1		"	"	"	"	" "	

Date Commenced 7/21/92 10:00 AM Date Finished 7/23/92 10:30 A.M.

Tract Garvey Dirsen Paddy Flat Panner: Day ..... Night .....

Drill Runner: Day T Patton Night .....

Date 7/21/92 Shift 1 Line No. ..... Hole No. 01 Y Drill No. 1

Total Depth 31 Bedrock 31 Water Level 5 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
M. MEDIUM

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		15	15	1/2	1/4	Sandy Loam	
2		1/4		15	15	1/2	1/4	" "	
3		1/4		15	15	1/2	1/4	Corse Gravel + sand	(Granite Gravel)
4		1/4		15	15	1/2	1/4	" " "	" "
5		1/4		15	15	1/2	1/4	Clean Sand	
6		1/4		15	15	1/2	1/4	" "	
7		1/3		15	15	1/2	1/4	" "	
8		1/3		15	15	1/2	1/4	" "	
9		1/3		15	15	1/2	1/4	" "	
10		1/3		15	15	1/2	1/4	" "	
11		1/3		15	15	1/2	1/4	Clean Sand Large Gravel	
12		1/2		15	15	1/2	1/4	" " "	"
13		1/2		15	15	1/2	1/4	Large Gravel (Quartz)	Tight
14		1/2		15	15	1/2	1/4	" " "	Tight
15		3/4		15	15	1/2	1/2	" " "	
[illegible]		1		20	20	1	1/2	Medum Gravel	Large washed Boulde
17		1		20	20	1	1/2	" "	(Inc Cons)
18		1		20	20	1	1/2	Brown Sand	
19		1		15	15	1	1/2	" "	
20		1		15	15	1	1/2	" " Md Gravel	
21		1		15	15	1	1/2	" " "	"
22		1		15	15	1	1/2	" " "	"
23		1		15	15	1	1/2	" " "	"
24		1 1/2		15	15	1	1/2	" " "	"
25		1 1/2		15	15	1	1/2	" " "	"
26								Bed Rock Gray Granite	
		Brk							
27		[illegible]		30	10	3	[illegible]	[illegible] Md Gravel	
28		[illegible]		Hole to Sand [illegible]					
29		[illegible]		25	10	3	7/28/32	" "	
30		6		25	25	3		" "	(Inc Mg)
31									

Date Commenced 7/26/32 1:30 PM

Date Finished 7/28/32 10:45 AM

Tract Cosumnes Division

Mokelumne Ranger station

Panner: Day ..... Night .....

Drill Runner: Day [illegible] Night .....

Date 7/26/32 Shift 1 Line No. .....

Hole No. 1047 Drill No. 1

Total Depth 26 ft Bedrock 25 ft

Water Level 10 ft

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev. ....

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 PK1094

DEPTH FEET	DEPTH IN	Sn LBS YD³	Au LBS YD³	Pt LBS YD³	Ru LBS YD³	Ga LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		10	10	3	Tr	Sandy Loam	
2		1/2		10	10	3	Tr	" "	
3		1/4		10	10	3	Tr	Gravel	
4		1/4		15	15	3	Tr	" Tight	Fine Coarse Boulder
5		1/4		15	15	4	Tr	" "	
6		1/4		15	15	5	1/3	" " Large Boulders	
7		1/4		15	15	5	1/3	" " "	" "
8		1/4		15	15	15	1/3	" " "	" "
9		1/4		15	15	15		" " "	" "
10		1/4		25	20	15		" " "	" "
11		1/4		25	20	20	1/3	" " "	" "
12		1/3		25	25	20	2	" " "	" "
13		1/3		25	25	20		" " "	" (with clay)
14		1/3		25	25	20	2	" " "	"
15		1/3		15	20	8	1	" " "	Coarse
16		1/3		15	20	8	1	" " "	"
17		1/3		15	20	8	1	" " "	"
18		1/3		15	20	8	1	" " "	"
19		1/2		15	20	8	1	" " "	"
20		1/2		15	20	8	1	" " "	"
								Bed Rock from Gray Granite	
		1/2 of Sample Taken to Sand Plant							
								7/30/52	

Date Commenced 7/28/52 12 30

Date Finished 7/30/52 10 00 AM

Tract Cosumnes Dredge

Panner: Day ..... Night .....

Drill Runner: Day R Patton Night .....

Date 7/28/52 Shift ..... Line No. .....

Hole No. 1094 Drill No. 1

Total Depth 20 Bedrock 20

Water Level H.P.T

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOGS

Page 1 of PF-110

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		10	10		Tr	Brown sand Md Gravel	Quartz
2		1		10	10		Tr	" " " "	"
3		1		10	10		Tr	" " " "	"
4		1		10	10		Tr	" " " "	"
5		1		10	10	Tr	Tr	" " " "	"
6		1		10	10	1/4	1/2	" " " "	"
7		1		10	10	1/4	1/2	" " " "	"
8		1		10	10	1/4	1/2	" " " "	"
9		1 1/2		15	15	1/4	1/2	" " " "	"
10		1 1/2		15	15	1/4	1/2	" " " "	"
11		1 1/2		15	15	1/4	1/2	Sand Sme Sc/l Gravel	
12		1 1/2		15	15	1/4	1/4	" " "	"
13		1 1/2		15	15	1/4	1/4	" " "	"
14		1 1/2		15	15	1/4	1/4	" " "	"
15		1 1/2		15	15	1/4	1/4	" " "	"
16		1		10	10	1/4	1/4	Clean Gray Sand	
17		1		10	10	1/4	1/4	" " "	
18		1		10	10	1/4	1/4	" " "	
19		1		10	10	1/4	1/4	" " "	
20		1		10	10	1/4	1/4	" " "	
21		1		15	15	1/4	1/4	Clean sand small Gravel Fine Co	
22		1		35	35	Tr	1/4	" " "	"
23		1		35	35	Tr	1/4	" " "	"
24		1		35	35	Tr	1/4	" " "	"
25		1 1/2		35	35	Tr	1	" " "	" Fine Mz
26		1 1/2		35	35	Tr	1	" " "	"
27		1 1/2		35	35	Tr	1	" " "	"
28		1 1/2		35	35	Tr	1	" " "	"
29		1		35	35	Tr	1/2	Yellow sand sm Gravel	
30		1		35	35	Tr	1/2		
31		1		35	35	Tr	1/2	Gray sand + Gravel	
32		1		35	35	Tr	1/2	" " "	
33		1		30	15	"	"	"	
34		1		"	"	"	"	Gray G. Sand Till	Soft.

Date Commenced 7/30/12

Date Finished

Tract Gartey + Dinison

Panner: Day Night

Drill Runner: Day B Patton Night

Date Shift Line No.

Hole No. 110Y Drill No. 1

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. ST
MD. M
M.

COSUMNES GOLD DREDGING CO.

FIELD LOG

Coordinates

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
50		1		25	20	Tr	1	Brown Sand Md Gravel	
51		1		25	20	Tr	1	" " "	
52		1		25	20	Tr	1	" " Course Gravel	
53		1		30	30	Tr	1	" " "	"
54		1		30	30	½	1	" " "	"
55		1		30	30	½	1	" " "	"
56		1		30	30	½	1	" " "	"
57		1		30	30	½	1	" " "	"
58		1		30	30	½	1	" " "	" INC Coms
59		1¼		40	40	½	1	" " "	"
60		1½		40	40	½	1	Sand Brown	
61		1		40	40		1	" "	Damp & Sticky
62		1		40	40	Tr	1½	" "	
63		1		25	25	Tr	1½	" "	
64		1		25	25	Tr	1½	" "	Coms Increase
65		1		25	25	Tr	1½	" "	
66		1		50	50	Tr	1	Course Med	
67		1		50	50	Tr	2	" "	
68		1		50	50	Tr	2	" "	
69		1		50	50	Tr	2	" "	
70		1		50	50	Tr	2	" "	
71		1		75	75	Tr	3	" "	
72		1		75	75	4	3	" "	
73		1		50	50	3	2	" "	Gray Cl.
74		1		75	75	3	3	" " "	
75		1		75	75	3	3	" " "	Tight Cl.
76		1		80	60	5	2	" " "	
77		1		80	60	5	2	Cleane Quartz Gravel	
78		1		80	60	5	2	" " "	
79		1		80	60	5	2	Sand Md Gravel	
80		1		80	60	5	2	" " "	
81		1		80	60	5	2	" " "	
82		1		80	60	5	2	" " "	
83		1		80	60	5	2	" " "	
84									

Date Commenced

Tract

Date Finished

Panner: Day Night

Drill Runner: Day Bob Patton Night

Date Shift Line No. Hole No. Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

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DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
10		1		15	15	1	1½	Sand & Md Gravel	
16		1		15	15	1	1½	" " "	
17		1		15	15	1	1½	" " "	
4		1		15	15	1	1	" " "	
10		1		25	15	1	1	" " "	
11		1		"	"	"	1	Coarse Gravel	Loose
12		1		25	25	1	1	Gray Clay	
13		1		25	25	1	1	Coarse Gravel	
14		1		25	25	1	1	" " "	+ Sand
15		1		25	25	1	1	Yellow sand + Corse Gravel	
16		1		25	25	1	1	" " "	" "
47		1		25	25	1	1	" " "	" "
48		1		25	25	1	1	" " "	" "
49		1		25	25	1	1	" " "	" "
50		1		25	25	1	1	" " "	" "

Drilled to 85 Ft. Cons increased with depth.

M. Yost.

Date Commenced

Date Finished

Tract

Panner: Day Night:

Drill Runner: Day Night

Date Shift Line No.

Hole No. Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.

FIELD LOG

Coordinates

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZnO_2 LBS YD³	FORMATION	REMARKS
1		½		10	10	½	½	Med Gravel	Tight
2		½		10	10	½	½	" "	"
3		½		10	10	½	½	" "	"
4		½		10	10	½	½	" "	"
5		½		10	10	½	½	" "	
6		½		"	10	½	½	" "	
7		½		"	10	½	½	" "	"
8		½		"	10	½	½	" "	"
9		1		10	10	1	½	[illegible] Gravel	"
10		½		5	5	[illegible]	½	[illegible]	Loose
11		½		5	5	[illegible]	½		
12		½		5	5	"	½		
13		½		5	5		½		"
14		1		5	5	"	1		
15		1		10	10	"	1	Grey Sand	"
16		1		10	10		1		"
17		1		10	10	"	1		"
18		1		30	30	"	1		"
19		1		30	30		1	Med Sand Sand & Gravel	"
20		1		"	"	"	1	" " " "	"
21		1		"	"	"	1	" " " "	"
22		1		"	"		1	" " " "	"
23		1		"	"		1	" " " "	"
24		3/4		25	25		1	" " " "	"
25		3/4		25	25	"	1	" " " "	"
26		3/4		25	25	"	1½	" " " "	"
27		3/4		25	25	"	1½	" " " "	"
28		1		25	25	2	2	" " " "	"
29		1		25	25	2	2	" " " "	"
[illegible]		1		25	25	2	2	" " " "	"
[illegible]		1		25	25	2	2	" " " "	"
[illegible]		1		25	25	2	2	" " " "	"
[illegible]		1		30	30	2	2	" " " "	"
[illegible]		1		30	30	2	2	" " " "	"

Date Commenced 8/14/52 Date Finished

Tract Carey & Dennison Panner: Day C Loomis Night

Drill Runner: Day M Patton Night

Date 8/14/52 Shift Line No. Hole No. 111Y Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1¼		30	30	3	3	Med. Gravel	FIRM
36		1¼		"	"	"	"	"	
37		1¼		"	"	"	"	"	
38		1½		35	40	3	3	"	Increase Mz
39		1½		35	40	3	3	"	"
40		1½		35	40	3	3	"	FIRM
41		2		35	40	4	3	Med. & Varis. Gravel	Increase Mz
42		2		35	40	4	3	"	FIRM
43		2		35	40	4	3	"	"
44		2		35	40	4	3	"	"
45		2		35	40	4	3	"	"
46		2		35	40	3	3	"	"
47		2		60	40	3	3	"	Increase. Cons.
48		2		60	40	3	3	"	FIRM.
49		2		60	40	3	3	"	"
50		2		60	40	3	5	"	Increase Zr.
51		2		60	40	3	5	"	FIRM.
52		2		60	40	3	5	"	"
53		2		60	40	3	5	"	"
54		2		60	40	3	5	"	"
55		2		60	40	3	5	"	"
56		2		60	40	3	5	"	"
57		2		60	40	4	5	"	
58		2		60	40	4	5	"	Water
59		2		60	40	4	5	"	"
60		2		70	50	4	5	Granit Sand	
61		2½		70	60	4	5	"	FIRM Increase. Cons
62		2½		70	60	4	5	"	" " "
63		2½		70	60	4	5	"	
64		3		100	100	5	7	"	" " " Wet
65		3		100	100	5	7	"	Increase Cons.
66		3		100	100	5	7	Clay & Sand	FIRM.
67		3		50	50	3	5	"	"
68		3		50	50	3	5	Granit & Gr. Sand	Decrease. Cons. FIRM.

Date Commenced

Date Finished

Tract Carey & Dennison

Panner: Day C. Loomis Night

Drill Runner: Day R. Patton Night

Date 8-4-22 Shift Line No.

Hole No. 111Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM

Elev. _____ COSUMNES GOLD DREDGING CO.

Coordinates _____

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
69		3		50	50	3	5	Granit + gr sand	Fine
70		3		50	50	3	5	" " " "	"
71		3		50	50	3	5	" " " "	"
72		3	Tr	50	50	3	5	" " " "	"
73		3		50	50	3	5	" " " "	"
74		2½		50	45	2	5	" " " "	"
75		2½		50	45	2	5	" " " "	"
76		3		50	50	6	5	" " " "	"
77		3		50	50	6	6	" " " "	"
78		3		50	50	6	6	" " " "	"

½ Sample
Taken to plant 8/7/52

Hole about 200 ft West from Sign Board on Shoan Point Trail

Date Commenced 8-4-52 Date Finished 8-6-52

Tract Gary Dennison Panner: Day C. Loomis Night

Drill Runner: Day R. Patton Night

Shift Line No. Hole No. 111Y Drill No.

Total Depth 78 Bedrock No Bdk. Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
S. SAND
G. GRAVEL
ST. STICKY
MD. MEDIUM

COSUMNES GOLD DREDGING CO.

Elev. ..... Page 1 of 112Y

Coordinates

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZF LBS	FORMATION	REMARKS
1		1/2		5	5	TT	1	GRANITE SAND	TIGHT.
2		1/2		5	5	"	1	" "	"
3		1/2		5	5	"	1	" "	"
4		1/2		5	5	"	1	" "	"
5		1/2		3	2	"	1/4	" "	"
6		1/2		3	2	"	1/4	" "	"
7		1/2		3	2	"	1/4	" "	"
8		1/2		3	2	"	1/4	" "	"
9		1/2		3	2	"	1/4	" "	"
10		1/2		3	2	"	1/4	" "	"
11		1/2		3	2	"	1/4	" "	"
12		1/2		3	2	"	1/4	" "	"
13		1/2		3	2	"	1/4	" "	"
14		1/2		3	2	"	1/4	" "	"
15		1/2		3	2	"	1/4	" "	"
16		1/2		3	2	"	1/4	" "	"
17		1/2		3	2	"	1/4	" "	"
18		1/2		3	2	"	1/4	" "	"
19		1/2		4	3	"	1/2	" "	"
20		1/2		4	3	"	1/2	" "	"
21		1/2		4	3	"	1/2	" "	Gravel Loose (Ma
22		1/2		4	3	"	1/2	GRANIT SANDY G.	" " Coarse
23		1/2		4	3	"	1/2	" " "	" " "
24		1/2		4	3	"	1/2	" " "	" " "
25		1/2		3	3	"	1/2	" " "	" " "
26		1		5	5	"	3/4	" " "	" " "
27		1		5	5	"	3/4	" " "	" " "
28		1		5	5	"	3/4	" " "	" " "
29		1		15	10	2	1/2	" " "	" " "
30		1		15	10	2	1/2	" " "	" " "
31		1		5	5	2	1/4	" " "	" " "

This Hole is located About 50 ft East of Mark on Tree (Dated 10/27/51. This Tree is marked Z.1.Y. Sample Taken From C by Tree 10/27/51 Lay

Date Commenced 8-6-52 Date Finished 8-6-52

Tract CARRY & DENNISON Panner: Day C. V. LOOMIS

Drill Runner: Day B. PATTON

Date ..... Shift ..... Line No. ..... Hole No. 112Y Drill No. .....

Total Depth 31 Bedrock 31 Water Level NO WATER

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PFIK

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		4	4	1/2	1/4	GRANIT SAND & G.	TIGHT
2		1		"	"	1/2	1/2	" " " "	" "
3		1		4	4	1/2	1/4	" " " "	" "
4		1		5	3	1/2	1/2	" " " "	"
5		1		5	3	1/2	1/2	" " " "	"
6		1		5	3	1/2	1/2	" " " "	"
7		1		5	3	1/2	1/2	" " " "	"
8		1		5	3	1/2	1/2	" " " "	"
9		1		5	3	1/2	1/2	" " " "	"
10		1		5	3	1/2	1/2	" " " "	"
11		1		5	3	1/2	1/2	GRANIT SAND & CLAY	"
12		1		5	4	TR.	1/2	" "	Loose
13		1		5	4	TR	1/2	GRANIT SAND	"
14		1		5	4	TR	1/2	" "	"
15		1		5	4	TR	1/2	" "	"
16		1		5	3	TR	1/2	" "	"
17		1		4	3	TR	1/2	" " SM. GT. G	Decreas. Cons
18		1		4	3	"	1/2	" " " " "	Loose.
		1		4	3	"	1/2	" " " " "	"
		1		4	3	"	1/2	" " " " "	"
		1		4	3	"	1/2	" " " " "	"
22		1		4	3	"	1/2	" " " " "	"
23		1		4	3	"	1/2	" " " " "	"
24		1/2		3	3	"	1/4	" " " " "	Decrease Cons
25		1/2		3	3	"	1/4	" " " " "	" "
26		1		6	5	1	1/4	Brown Granit S. G.	Increase Cons
27		1/2		3	3	1/2	1/4	" " S	Decrease "
28		1/2		3	3	1/2	1/4	" " "	" "
29		1/2		3	3	1	1/2	Gray Gran Sand	" "
30		1/2		3	3	1	1/2	"	" "
31		1		3	3	1	1	Gravel Med. Coarse	Increase Cons
32		1		3	3	1	1	" " "	Decrease "
33		1		3	3	1	1	" " "	" "
34		1		6	6	1	1	" " "	Increase "

Date Commenced 8-7-52

Date Finished CONTINUED ON PAGE

Tract CARREY & DENNISON

Panner: Day C. V. LOOMIS Night

Drill Runner: Day B. PATTON Night

Date Shift Line No.

Hole No. PF 113Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Continued From Page 2 of PF113

DEPTH FEET	DEPTH IN	Mz LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1		5	5	1	1	Gravel Med Coarse	Loose.
36		1		5	5	1	1	" " "	"
37		1		5	5	1	1	" " "	"
38		1		5	5	1	1	" " "	"
39		1½		7	5	1	1½	Brown Sand & Gravel	"
40		1½		7	5	1	1½	" " "	"
41		1½		7	5	1	1½	" " "	"
42		1½		5	5	1	1½	" " "	"
43		1½		5	5	1	1½	" " "	"
44		1½		5	5	1	1½	" SM. CL.	STICKY
45		1½		5	5	1	1½	Brown Sand " "	Water.
46		1½		2½	2½	TR.	1½	" " "	STICKY
47		1½		2½	2½	"	1½	" " "	" No Wate
48		1½		3	3	"	1½	" " "	" " "
49		1½		4	3	"	1½	Increase const	" " "
50		1½		4	3	"	1½	" "	" " "
51		1½		4	3	"	1½	" "	" " "
52		1½		4	3	"	1½	" "	" " "
53		1½		4	3	"	1½	" "	" " "
54		1½		4	3	"		Med. Gravel	Loose " "
55		1½		50	50	"	1½	" "	" " "
56		1½		50	50	"	1½	" "	" " "
57		1½		50	50	"	1½	" "	" " "
58		1½		50	50	"	1½	" "	" " "
59		1		45	35	"	1½	Decrease cons.	" Some Wat
60		1		45	35	"	1½	" "	" " "
61		1		45	35	"	1½	Granit Sand	
62		1		45	35	"	1½	" "	"
63		1½		45	35	1	2	" " Some Clay	"
64		2		25	25	1	3	" " " "	Decrease Co
65		2		25	25	1	4	Med Gravel	Loose.
66		2		25	25	1	4	" "	"
67		2		25	25	1	4	" "	"
68		2		25	25	1	4	" "	"

Date Commenced 8-7-52

Date Finished Continued on Page 3

Tract Carey & Dennison.

Panner: Day C. L. Loomis Night

Drill Runner: Day R. Patton Night

Date Shift Line No.

Hole No. PF 113Y Drill No.

Total Depth [redacted] Bedrock None

Water Level 45 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 2

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZR O. LBS YD³	FORMATION	REMARKS
69		½		25	25	1	4	Med Gravel	Loose.
70		½		25	25	1	4	" "	"

Date Commenced 8-7-52

Tract Carey & Dennison

Date Finished 8-8-52

Panner: Day C.Y. Loomis Night

Drill Runner: Day B Patton Night

Date Shift Line No.

Hole No. PF 113Y Drill No.

Total Depth 70 Bedrock None

Water Level 45 FT

ABBREVIATIONS

COSUMNES GOLD DREDGING CO.

Elev.

Coordinates

FIELD LOG

Page 1 of PF 11

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		8	7	1	1	Red Fine Gravel	Very Red
2		1		8	7	1	1	" " "	" "
3		1		8	7	1	1	" " "	" "
4		1		8	7	1	1	" " "	" "
5		1		8	7	1	1	" " "	" "
6		1		8	7	1	1	" " "	" "
7		3/4		8	4	1	1	" " "	" "
8		3/4		8	4	1	1	Fine Gray Clay	
9		3/4		8	4	1	1	" "	"
10		3/4		8	4	1	1	Sand	"
11		3/4		8	4	1	1	Fine Gravel	Brown
12		3/4		8	7	1	1	Grey "	Grey
13		3/4		8	7	1	1	" "	"
14		3/4		8	7	1	1	" "	"
15		3/4		8	7	1	1	" "	"
16		3/4		5	5	3/4	1	Brown Gravel Clay	Brown.
17		3/4		5	5	3/4	1	" " "	"
18		1		5	5	1	1	Med. Brown Gravel	"
19		1		5	5	1	1	" " "	"
20		1		30	30	10	1	" " "	Increase Con
21		1		30	30	10	1	" " "	Loose, Wate
22		1		30	30	10	1	" " "	"
23		1		15	15	5	1	Grey Gravel & Clay	~~Light Brown~~
24		1		15	15	5	1	" " " "	" " "
25		1		15	15	5	1	" " " "	" " "
26		1		15	15	5	1	" " " "	" "
27		1/2		5	5	3	1/2	Quartz Gravel	Loose Decreas
28		1/2		5	5	3	1/2	" "	"
29		1/2		5	5	3	1/2	" "	"
30		1/2		5	5	2	1/2	Quartz Gravel & Clay	"
		1/2		5	5	2	1/2	" " "	"
		1/2		10	10	1	1/2	Quartz Gravel, Fine	Increase Con
33		1/2		10	10	1	1/2	" "	Loose
34		1/2		10	10	1	1/2	" "	"

CONTINUED ON PAGE 2

Date Commenced 8-8-52

Date Finished

Tract Carey & Branison

Panner: Day G. V. L. Ennis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. P.F. 114 Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

COSUMNES GOLD DREDGING CO.

Elev.

Coordinates

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1/4		10	10	1	1	Quartz Gravel Fine	Loose
36		3/4		10	10	1	2	"	"
37		3/4		10	10	1	2	"	"
38		3/4		10	10	1	2	" Brown	Increase Cons
39		1		15	15	1	2	" Gravel Med	Decrease "
40		3/4		5	5	1/2	2	"	Light Clay
41		3/4		5	5	1/2	2	"	"
42		3/4		5	5	1/2	2	"	Grow Loose
43		1		25	25	15	1	" Gravel Med.	Clay
44		1		20	25	15	1	"	Clean - Loose
45		1		25	25	15	1	"	"
46		1		20	25	15	1	"	Decrease Cons
47		3/4		5	5	5	1/2	Light Grey Sand Clay	Clean Loose
48		3/4		5	5	5	1/2	"	" " "
49		3/4		8	7	8	3/4	Med. Grey Gravel	" " "
50		3/4		8	7	8	3/4	"	Decrease Con
51		1/2		5	5	5	3/4	Med Gravel & Clay	Loose Increa
52		1/2		10	10	10	3/4	Med Gravel Grey	" "
53		1/2		10	10	10	3/4	" " "	Increase Con
54		1/2		15	15	10	3/4	" " "	Loose
55		3/4		15	15	10	3/4	" " "	"
56		3/4		15	15	10	3/4	" " "	"
		1 3/4		15	15	10	3/4	" " "	"
		3/4		15	15	10	3/4	" " "	Decrease, Co
9		3/4		10	10	5	1/2	" " "	Clean Loose
60		3/4		10	10	5	1/2	" " "	" "
61		3/4		10	10	5	1/2	" " "	Increase Cons
62		3/4		15	15	8	3/4	" " "	" "
63		1		20	20	8	3/4	" " "	Loose
64		1		20	20	8	3/4	" " "	"
65		1		20	20	8	3/4	" " "	"
66									
67									
68									

Date Commenced 8-8-52

Tract Carrey + Dennison

Date ..... Shift ..... Line No. .....

Total Depth 68 Bedrock None

Date Finished .....

Panner: Day C. V. Loomis Night .....

Drill Runner: Day B. Patton Night .....

Hole No. PF 114 Y Drill No. .....

Water Level .....

ABBREVIATIONS

T. TAILINGS

S. SAND

G. GRAVEL

ST. STICKY

MD. MEDIUM

M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN.	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		½		5	5	½	½	Med to Small Gravel	Loose
2		½		5	5	½	½	" " "	"
3		½		5	5	½	½	" " "	"
4		½		5	5	½	½	" " "	"
5		½		5	5	½	½	Fine Gravel	Firm
6		½		5	5	½	½	" "	"
7		½		5	5	½	½	" "	Tight
8		½		5	5	½	½	" "	"
9		½		5	5	½	½	" "	"
10		½		5	5	½	½	" "	"
11		¾		10	10	1	½	Med Grey Gravel	Firm. Increase
12		¾		10	10	1	½	" "	"
13		¾		10	10	1	½	" "	"
14		¾		15	15	1	¾	Grey Gravel Sand	Loose. Increa
15		¾		15	15	1	¾	" "	"
16		¾		15	15	1	¾	" "	"
		¾		15	15	1	¾	" "	"
		¾		25	25	1	1	Med Grey Gravel	Firm, Increa
19		¾		25	25	1	1	" "	"
19		¾		25	25	2	2	" "	"
20		¾		25	25	2	2	" "	Loose Grave
21		¾		20	20	2	1	" "	" "
22		¾		20	20	2	1	" "	Decrease Co
23		¾		20	20	2	1	" "	Loose Med Gr
24		¾		20	20	2	1	Med Brown Gravel	Light
25		¾		20	20	2	1	" "	"
26		¾		20	20	2	1	" "	"
27		¾		20	20	2	1	" "	"
28		¾		15	10	1	¾	" "	Decrease Co
29		¾		15	10	¾	¾	" "	" "
30		¾		15	10	¾	¾	Med. Gravel & Clay	Fight.
31		¾		15	10	¾	¾	" "	"
32		¾		15	10	¾	¾	" "	"
33		¾		15	10	¾	¾	" "	"

Date Commenced 8/8/52

Date Finished Continued on Page 2

Tract Carey + Dennison

Panner: Day C.V. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. P.F. 115-Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY
S. SAND
G. GRAVEL
CL. CLAY
SM. SOME
ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 1

FIELD LOG

Page 2 of PF 11

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		5		5	5	TR	1	Grey SAND	Loose
36		5		20	20	1	2	" " + GRAVEL	INCREASE CONS
37		1		20	20	10	3	" " "	Loose.
38		3/4		20	20	10	3	" " "	"
39		3/4		25	25	10	3	" " "	INCREASE CONS
40		3/4		25	25	10	3	" " "	Loose
41		3/4		25	25	10	3	" " "	"
42		3/4		15	15	5	2	" " "	DECREASE CONS
43		3/4		10	10	3	1	" " "	Loose.
44		3/4		10	10	3	1	" " "	"
45		1/2		8	7	2	1	" " "	DECREASE CO
46		1/2		8	7	3	1	" " "	Loose Med. G.
47		1/2		8	7	3	1	" " "	" " "
48		1/2		8	7	3	1	" " "	" " "
49		1/2		8	7	3	1	" " "	" " "
50		3/4		15	15	5	1	Yellow QUARTS GRAVEL.	INCREASE
51		3/4		15	15	5	1	" " "	"
52		3/4		15	15	5	1	" " "	TIGHT
53		1		15	15	5	2	" " "	"
54		1		15	15	5	2	" " "	"
55		1		15	15	5	2	Large GRANIT GRAVEL	"
56		1		25	25	10	3	" " "	INCREASE CON
57		3/4		10	10	5	1	Med GRAVEL + WHITE SAND	DECREASE SLUFF + RUNNING
58									
59									
60									

Date Commenced 8-11-52

Date Finished 8-12-52

Tract CARVEY + DENNISON

Panner: Day CVLOMS Night

Drill Runner: Day B PATTON Night

Date ..... Shift ..... Line No. .....

Hole No. PF 115-Y Drill No. .....

Total Depth 57 Bedrock None

Water Level .....

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH

Elev. [redacted]

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of 2

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		3/4		10	10	1/2	1/2	Some Top Silt & Med G	Firm.
2		3/4		10	10	1/2	1/2	" " " "	"
3		3/4		10	10	1/2	1/2	" " " "	"
4		3/4		10	10	1/2	1/2	" " " "	"
5		3/4		10	10	1/2	1/2	" " " "	"
6		1/2		5	5	1/2	1/2	Clay	Decrease Co
7		1/2		5	5	1/2	1/2	Clay	
8		1		10	10	1/2	1/2	Med G	Increase Cons
9		1		10	10	1/2	1/2	" "	Firm
10		1/2		5	5	1/2	1/2	Granit Sand.	Decrease Con
11		1/2		5	5	1/2	1/2	" "	Lose Sand
12		1/2		5	5	3/4	3/4	" "	"
13		1		20	20	1	1	Med Gravel	Firm Increa
14		1		20	20	1	1	" "	"
15		1		20	20	1	1	" "	"
16		1		20	20	1	1	" "	"
17		1		20	20	1	1	" "	"
18		3/4		15	15	3/4	3/4	" " Mudd Y	Lose Decre
19		3/4		15	15	3/4	1	" Loose " " "	Loose.
20		3/4		15	15	3/4	1	" " " " "	"
21		3/4		15	15	3/4	1	" " " " "	"
22		3/4		15	15	3/4	1	" " " " "	"
23		3/4		15	15	3/4	1	" " " " "	"
24		3/4		15	15	3/4	1	" " " " "	"
25		1/2		10	10	1/2	3/4	Small G + Sand + Clay	Water Loos
26		1/2		10	10	1/2	3/4	Clay + Some Sand	Tight
27		1/2		10	10	1/2	3/4	" " " "	"
28		1/2		10	10	1/2	3/4	" " " "	"
29		3/4		15	15	3/4	1	Increase Cons.	"
30		3/4		15	15	3/4	1	Med Gravel	"
31		3/4		15	15	3/4	3/4	" "	"
32		1/2		10	10	1/2	1/2	" "	Decrease Con
33		1/2		10	10	1/2	1/2	" "	Tight
34		1/2		10	10	1/2	1/2	" "	Sluffing

Date Commenced 8/12/ Run 14 Hole Date Finished 8/13/52

Tract Carey - Denison. Panner: Day Loomis Night

Hole to good pay

Drill Runner: Day Patton Night

Date Shift Line No. Hole No. P-16 Y Drill No.

Total Depth 34 Bedrock None Water Level 25 ft.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		3		2	3	TR.	0	Soil	STICKY
2		1½		2	3	TR	0	"	"
3		1½		2	3	TR	0	"	"
4		1½		2	3	TR	0	"	"
5		1½		2	3	TR	0	"	"
6		1½		2	3	TR	0	"	"
7		1½		2	3	TR	"	"	"
8		1½		2	3	TR	0	"	"
9		1½		2	3	TR	0	"	"
10		1½		2	3	TR	"	Water & Gravel Mud.	"
11		3½		10	10	1	TR	" " "	FIRM
12		3		5	5	2	"	Bed Rock - Granite	"

Date Commenced 8/13/52

Date Finished 8/13/52

Tract Carey + Dennison

Panner: Day C. Loomis Night

Drill Runner: Day B. Rector Night

Date Shift Line No.

Hole No. PF 117 Y Drill No.

Total Depth 13 FT Bedrock 12 FT

Water Level 10 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.

ev.. Page 1 of PF 115

FIELD LOG

ordinates

DEPTH FT	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		4		15	15	TR	1	SOFT FINE GRAVEL	FIRM
2		4		15	15	TR	1	" " "	"
3		4		15	15	TR	1	" " "	WATER FIRM
4		4		15	15	TR	1	" " "	"
5		4		15	15	TR	1	" " "	"
6		4		15	15	TR	1	" " "	"

Date Commenced 8/13/52 Date Finished 8/13/52

Tract Carey Lowmeer Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date 8/13/52 Shift Line No. Hole No. PF 115 Drill No. 1

Total Depth 7 ft Bedrock 6 ft Water Level 7 ft

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of PF 1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		4		25	25	1	1	Sandy Loam	
2		4		25	25	1	1	" "	Loose
3		4		25	25	1	1	Mud Gravel & Sand	"
4		4		25	25	1	1	" " "	"
5		4		25	25	1	1	" " "	"
6		2		10	10	1/2	1/2	" " "	"
7		2		10	10	1/2	1/2	" " "	"
8		2		10	10	1/2	1/2	" " "	
9		2		10	10	1/2	1/2	Clay Brown	
10		2		10	10	1/2	1/2	" " "	
11		1		10	10	1/4	1/4	Brown Sand	Loose
12		1		10	10	1/4	1/4	" "	
13		1		10	10	1/4	1/4	" "	
14		1		10	10	1/4	1/4	" "	
15		1		10	10	1/4	1/4	" "	
16		1		10	10	1/4	1/4	" "	
17		1		10	10	1/4	1/4	Gray Sand	
18		1		10	10	1/4	1/4	" "	
19		1		10	10	1/4	1/4	" "	
20		1		10	10	1/4	1/4	" "	
21		1/2		10	10	1	1	" "	
22		1/2		10	10	1	1	Gray Sand Md Gravel	Loose
23		1/2		10	10	1	1	" " " "	
24		1/2		10	10	1	1	" " " "	
25		1/2		10	10	1	1	" " "	
26		1/2		10	10	1	1	" " "	
27		1/2		10	10	1	1	" " "	
28		1/2		10	10	1	1	" " "	
29		1/2		15	15	3	2	" " "	Incl. Gravel
30		1/2		15	15	3	2	" " "	
31		1/2		15	15	3	2	" " "	Water
32		1/2		15	15	3	2	" " "	
33		1/2		15	15	3	2	" " "	
34		1/2		15	15	3	2	" " "	

Date Commenced 8/19/52

Date Finished

Tract Gray & Dawson

Panner: Day Lewis Night

Drill Runner: Day Pete Night

Date Shift Line No.

Hole No. PE 102 X Drill No.

Total Depth Bedrock

Water Level

CONTINUED ON PAGE 2.

ABBREVIATIONS

T. TAILING
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 P.R. 119Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1		15	10	4	2	Med Grey Granite	Loose.
36		1		15	10	4	2	" " " "	"
37									
38									
39									
40									

Date Commenced 8/14/52

Date Finished 8/14/52

Tract Carrey & Denison

Panner: Day Cykomis Night

Drill Runner: Day Patton Night

Date Shift Line No.

Hole No. P.R. 119Y Drill No.

Total Depth 36 Bedrock None

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 1 Page 2 of PF 12

FIELD LOG

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		2		5	5	5	1/2	Grey Sand and small Gravel.	Loose
36		2		5	5	1/2	1/2	" " "	"
37		2		5	5	1/2	1/2	" " "	"
38		1		5	5	1/2	1/2	" " "	"
39		1		5	5	1/2	1/2	Bed Rock, Decomposed	"
40								" " "	"

Left Hole to Sand plant 8/15/52

Date Commenced 8/14/52

Date Finished 8/15/52

Tract Loomis

Panner: Day Evans Night

Drill Runner: Day B. Potter Night

Date Shift Line No.

Hole No. PF 120X Drill No.

Total Depth 40 ft Bedrock 39 ft

Water Level on water.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 15

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		10	10	TR	1	SANDY LOAM	FIRM
2		1/2		10	10	TR	1	" "	"
3		1/2		10	10	TR	1	" "	"
4		1/4		5	5	TR	1/2	MEDIUM GRAVEL	"
5		1/4		5	5	TR	1/2	" "	"
6		1/4		5	5	TR	1/2	" "	"
7		1/4		5	5	TR	1/2	" "	"
8		1/4		5	5	TR	1/2	" "	"
9		1/4		5	5	TR	1/2	" "	"
10		1/4		5	5	TR	1/2	" "	"
11		1/4		5	5	TR	1/2	GRANIT SAND & CLAY	"
12		1/4		5	5	1/2	1/2	GRANIT MED GRAVEL	"
13		1/4		5	5	1/2	1/2	" " "	"
14		1/4		5	5	1/2	1/2	" " "	"
15		1/4		5	5	1/2	1/2	" " "	"
16		1/4		5	5	1/2	1/2	" " "	"
17		1/4		5	5	1/2	1/2	" " "	"
18		1/4		5	5	1/2	1/2	" " "	"
19		1/4		5	5	1/2	1/2	" " "	"
20		1/4		5	5	1/2	1/2	" " "	"
21		1/4		5	5	1/2	1/2	" " "	"
22		1/4		5	5	1/2	1/2	" " "	"
23		1/2		5	5	1/2	1/2	" " "	"
24		1/2		5	5	1/2	1/2	" " "	"
25		1/2		5	5	1/2	1/2	" " "	"
26		1/2		5	5	1/2	1/2	" " "	"
27		1/2		5	5	1/2	1/2	" " "	"
28		1/2		5	5	1/2	1/2	GREY GRANIT SAND & MED GRAVEL	FIRM
29		1/2		5	5	1/2	1/2	" " " "	" "
30		1/2		5	5	1/2	1/2	" " " "	" "
31		1/2		5	5	1/2	1/2	" " " "	" "
32		1/2		5	5	1/2	1/2	" " " "	" "
33		1/2		5	5	1/2	1/2	" " " "	" "
34		1/2		5	5	1/2	1/2	" " " "	" "

Date Commenced 8/14/52

Date Finished 8/18/52

Tract LOOMIS

Panner: Day C. V. LOOMIS Night

Drill Runner: Day L. PETTIT Night

Date Shift Line No.

Hole No. K.F. 12 Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
S. SAND
G. GRAVEL
CL. CLAY
W. WEIRY
MD. MEDIUM
M. MUCH

CONTINUED ON PAGE 2

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

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DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		5-	5-	1	1	Silt + Granit Sand	Firm
2		1		5-	5-	1	1	" " " "	"
3		1		5-	5-	1	1	" " " "	"
4		2		5-	5-	3	1/2	Med Gravel	Tight
5		2		5-	5-	3	1/2	"	"
6		2		5-	5-	3	1/2	"	"
7		2		5-	5-	5-	1	"	"
8		2		5-	5-	5-	1	Clay	"
9		2		10	10	5-	1	Med Gravel	"
10		2		10	10	5-	1	" "	"
11		2		10	10	5-	1	" "	"
12		2		10	10	5-	1	" "	"
13		2		10	10	5-	1	" "	"
14		2		10	10	5-	1	" "	"
15		2		10	10	5-	1	Med Granit Gravel	"
16		2		10	10	5-	1	" " "	"
17		2		10	10	5-	1	" " "	"
18		2		10	10	5-	1	" " "	"
19		2		10	10	5-	1	" " "	"
20		2		10	10	5-	1	" " "	"
21		2		10	10	5-	1	" " "	"
22		2		10	10	5-	1	" " "	Loose
23		2		10	10	5-	1		"
24		2		10	10	5-	1	Granit Sand	"

Date Commenced 8/15/52

Date Finished 8/15-52

Tract Loomis

Panner: Day G. Loomis Night

Drill Runner: Day P. Pattee Night

Date 8/15/52 Shift Line No.

Hole No. Drill No.

Total Depth 24 Bedrock None

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 122 Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Hydraulic Tailings	Fine Sand
1		TR		TR	TR	[illegible]	[illegible]	Soil	Firm Soil.
2		TR		TR		TR	TR		Loose
3		TR		TR		TR	TR		"
4		TR		TR		TR	TR		" Water.
5		1/2		5	5	1/2	1/4	Increase Cons.	"
6		1/2		5	5	1/2	1/4	" "	"
7		1/2		5	5	5	1/4	" "	"
8		1/2		5	5	5	1/4	" "	"
9		1/2		10	10	10	1/2	Increase Cons	"
10		1/2		20	20	15	1/2	Coarse Gravel	Tight Tuc
11		1/2		20	20	15	1/2	" "	"
12		1/2		20	20	15	1/2	" "	"
13		1/2		20	20	15	1/2	" "	"
14		1/2		20	20	15	1/2	" "	"
15		1/2		20	20	15	1/2	" "	"

Date Commenced 8/15/52

Date Finished 8/16/52

Tract Leadmine

Panner: Day C. Leonis Night

Drill Runner: Day B. Potter Night

Date Shift Line No.

Hole No. PF 122 Y Drill No.

Total Depth 15 ft Bedrock None

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 12

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	$Zr O_2$ LBS YD³	FORMATION	REMARKS
1		1/4		5	5	10	1	Soil	Firm
2		1/4		5	5	10	1	"	"
3		1/4		5	5	10	1	"	"
4		1/4		5	5	10	1	Coarse Gravel	Tight
5		1/4		5	5	10	1	" "	"
6		1/2		10	10	10	1	Increase cons	"
7		1/2		10	10	10	1	Coarse Gravel	Water
8		1/2		10	10	10	1	" "	Tight
9		1/2		10	10	10	1	" "	"
10		1/2		10	10	10	1	" "	"
11		1/2		10	10	10	1	" "	"
12		1	TR	10	10	20	1	" "	"
13		1	TR	10	10	20	1	" "	"
14		1	TR	10	10	20	1	" "	"
15		1	TR	10	10	20	1	Med Coarse Gravel	"
16		1		10	10	15	1	" "	"
17		1		10	10	15	1	" " "	"
18		1		10	10	15	1	" " "	"
19		1		10	10	15	1	Med Gravel + Some Clay	
20		1		8	7	10	1	Decrease Cons.	Tight
21		1		8	7	10	1	Sand + Med. Gravel	" "
22		1		10	10	10	1	" " "	" "
23		1		10	10	10	1	" " "	" "
24		3		15	15	10	1	Increase Cons.	Yellow Sand + G
25		3		15	15	10	1	Med Gravel	Loose
26		3		15	15	10	1	" "	"
27		3		15	15	10	1	" "	"
28		1		10	10	5	1	" "	"
29		1/4		8	7	3	1/4	Sand + Some Grant Gravel decrease	
30		1/4		8	7	3	1/4	" " "	
31		1/4		8	7	3	1/4	Clay + Sand	Tight
32		1/4		8	7	3	1/4	Med Gravel + Sand	Firm.
33		1/4		10	10	4	1/2	" " "	Increase Cons
34		1/4		10	10	4	1/2	" " "	

Continued on Page 2.

Date Commenced 8/16/52 Date Finished

Tract Loomis. Panner: Day Cy Loomis Night

Drill Runner: Day B Patton Night

Date Shift Line No. Hole No. PF 12 Drill No.

Total Depth Rock Water Level 7 ft

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 1

FIELD LOG

Page 2

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		3/4		20	20	5	1	Med Gravel & Sand	Loose.
36		3/4		20	20	5	1	" " "	"
37		3/4		20	20	5	1	" " "	"
38		3/4		20	20	5	1	" " "	"
39		3/4		20	20	5	1	" " "	"
40		3/4		20	20	5	1	" " "	"

1/4 of the taken to

sand plant on 5/19/52

Date Commenced 8/16/52

Date Finished 8/18/52

Tract Lewis

Panner: Day Lewis Night

Drill Runner: Day [illegible] Night

Date ..... Shift ..... Line No. .....

Hole No. FF 1237 Drill No. .....

Total Depth 40 ft Bedrock None

Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

Page 1 of 1-F1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	PL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		10	10	3	2	Sandy loam	Fine
2		1/2		10	10	5	2	" "	"
3		1/2		10	10	5	2	Med Gravel	"
4		1/2		10	10	5	2	" "	"
5		1/2		10	10	5	2	Med. Gravel	"
6		1/2		10	10	5	2	"	"
7		1/2		10	10	5	2	Large Boulders	18" Boulders
8		1/2		10	10	5	2	" "	" Water
9		1/2		10	10	5	2	" "	"
10		1/2		10	10	3	1	Brown Sand + Med Gravel	Firm
11		3/4		15	15	3	1	Increase Cons "	Tight
12		3/4		15	15	3	1	Med Gravel	
13		1/2		10	11	2	1	Tight Sand	Fine Decrea
14		1/2		10	10	2	1	Loose "	Loose } Sco
15		1/2		10	10	2	1	Sand + Small Gravel	Loose
16		1/2		10	10	2	1	" " "	"
17		1/2		10	10	2	1	" " "	"
18		1/2		10	10	2	1	" " "	"
19		1/2		10	10	2	1	" " "	"
20		1/2		10	10	2	1	" " "	"
21		1/2		5	5	1	1/2	Sand + Clay	Firm Decreas
22		1/2		5	5	1	1/2	" " "	" "
23		1/2		5	5	1/2	1/2	Sand Some Small G.	Loose.
24		1/2		5	5	1/2	1/2	" " " "	"
25		1/2		5	5	1/2	1/2	" " " "	"
26		1/2		5	5	1/2	1/2	" " " "	"
27		1/2		5	5	1/2	1/2	" " " "	"
28		1/2		5	5	1/2	1/2	" " " "	"
29		1/2		5	5	1/2	1/2	" " " "	"
		1/2		5	5	1/2	1/2	" " " "	Increase Con
		1/2		10	10	1/2	1	" " " "	" "
30		1/2		10	10	1/2	1	" " " "	" "
31		1		25	25	2	2	" " " "	Increase Cons.
32		1		25	25	2	2	" " " "	"
33		1		25	25	2	2	" " " "	Loose.

Continued on Page 2.

Date Commenced 8/16/52

Date Finished

Tract Loomis.

Panner: Day C. Loomis Night

Drill Runner: Day E. Patton Night

Date Shift Line No.

Hole No. P-1-47 Drill No.

Total Depth Bedrock

Water Level 8 ft.

ABBREVIATIONS

T. TAILINGS
F. FINES
C. COBBLE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FROM CONTINUED ON PAGE I

FIELD LOG

Page 2 of PFB

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		24		25	25	1	2	GRAVEL SAND + SMALL G	Loose.
36		24		25	25	1	2	CLAY + SAND.	FIRM
37		24		20	20	1	2	SAND + SOME CLAY	Loose DECREAS
38		24		20	20	1	2	" " " "	"
39		24		20	20	1	2	" "	"
40		24		25	25	1	2	SAND + SMALL G	INCREASE CON
41		24		25	25	1	2	" " "	" "

Date Commenced 5/15/52

Date Finished 5/19/52

Tract LOMIS.

Panner: Day LOMIS Night

Drill Runner: Day COTTON Night

Date Shift Line No.

Hole No. PFB4Y Drill No.

Total Depth 41 ft. Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCK
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 5 of PF 12

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		3	5	3	1/2	Sandy Loam	Firm
2		1/4		5	5	3	1/2	Coarse Gravel	Firm
3		1/4		5	5	3	1/2	Coarse & Fine Gravel	"
4		1/4		5	5	3	1/2	" " "	"
5		1/4		5	5	3	1/2	" " "	"
6		1/4		5	5	3	1/2	" " "	"
7		1/4		5	5	3	1/2	Large Boulders & Sand	Large Boulders
8		1/4		5	5	3	1/2	" " "	" Water
9		1/2		10	10	5	1/2	" " "	Increase Cons.
10		1/2		20	20	5	1/2	Med Gravel	Firm
11		1/2		20	20	5	1/2	"	"
12		1		50	50	5	1	" "	"
13		1		50	50	5	1	" "	"
14		1		50	50	5	1	" "	"
15		1		50	50	5	1	"	"

Exceptional large Boulders of 15" to large to take from hole also a very large amount cons.

Hole Taken to Sand

Plant 8, 20, 52

Date Commenced 8/19/52

Date Finished 8/20/52

Tract Loomis

Panner: Day C. V. Loomis Night

Drill Runner: Day B. Fitton Night

Date Shift Line No.

Hole No. PF 125 Drill No.

Total Depth 15 Bedrock None

Water Level 8

ABBREVIATIONS

T. TAILINGS
F. FINE
S. SAND
G. GRAVEL
ST. STICKY
MD. MEDIUM

Elev. .....

COSUMNES GOLD DREDGING CO.

Coordinates .....

FIELD LOG

Page ..... of PF-1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		15	15	4	1	Sandy Loam.	Firm.
2		1/2		15	15	4	1	" "	"
3		1/2		15	15	4	1	" "	"
4		1/2		15	15	4	1	Med quartz Gravel	"
5		1/2		15	15	4	1	" " "	"
6		1/2		15	15	4	1	" " "	"
7		1/2		15	15	4	1	Sandy Clay	Tight
8		1/2		15	15	4	1	" "	"
9		1/2		15	15	4	1	" "	"
10		1/2		15	15	4	1	" "	"
11		1/2		15	15	4	1	" "	"
12		1/2		15	15	4	1	" "	"
13		1/2		15	15	4	1	Red Sandy Clay	"
14		1/2		15	15	4	1	Red Sandy Clay	"
15		1/2		15	15	4	1	" " "	"
16		1/2		15	15	4	1	" " Some Med Gravel	"
17		1/2		15	15	3	1	" " " "	"
18		1/2		15	15	3	1	" " " "	"
19		1/2		15	15	3	1	" " " "	"
20		1/2		15	15	3	1	Water. Sand +	Med Gravel
21		1/2		15	15	3	1	" Clay + Sand	Firm.
22		1/2		15	15	3	1	Sand + Small G	"
23		1/2		15	15	3	1	" " "	"
24									
25									

Sand very loose & Running. Drilled for two hours, making no headway. Loose sand & Water.

1/4 of Hole taken to sand plant 8/21/52.

Date Commenced 8/20/52

Date Finished 8/21/52

Tract Loomis.

Panner: Day C. Loomis Night .....

Drill Runner: Day D. Pettit Night .....

Date ..... Shift ..... Line No. .....

Hole No. PF 126 Y Drill No. .....

Total Depth 43 ft Bedrock None

Water Level .....

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 12

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		5	5	2	1/4	Sandy Loam	Firm.
2		1/4		5	5	2	1/2	Sand + Med G	"
3		1/4		5	5	2	1/2	" " "	Tight
4		1/4		5	5	2	1/2	" " "	"
5		1/4		5	5	2	1/2	" " "	"
6		1/4		10	10	3	1/2	" Increase cons.	"
7		1/4		10	10	3	1/2	" " "	"
8		1/4		10	10	3	1/2	Sandy Clay	"
9		1/4		5	5	2	1	" "	Decrease cons.
10		1/4		5	5	2	1	" "	Tight.
11		1/4		5	5	2	1	" "	
12		1/4		5	5	2	1	" "	
13		1/2		10	10	3	1	Sand + Small G	Loose Increa
14		1/2		10	10	3	1	" " " "	" Co
15		1/2		10	10	3	1	" " " "	"
16		1/2		15	15	3	1	" " " "	Increase Cons
17		1/2		10	10	3	1	" " " "	Loose. Water
18		1/2		15	10	3	1	" " " "	"
19		1/2		15	15	3	1	" " " "	"
20		1/2		15	15	3	1	" " " "	"
21		1/2		15	15	3	1	" " " "	"
22		1/2		15	15	3	1	Sand + Some Clay	Firm
23		1/2		15	15	3	1	" " Small Gravel	Loose
24		3/4		40	35	5	1 1/2	" " "	" Increase
25		3/4		40	35	5	1 1/2	" " "	"
26		1/4		10	10	2	1/4	Clay + Sand	Firm. Decrease
27		1/4		10	10	2	1/4	" "	"
28		1/4		5	5	1	1/4	Decrease Cons. Clay	Tight.
29		1/4		5	5	1	1/4	Clay	"
30		1/4		5	5	1	1/4	"	"
31		1/4		5	5	1	1/4	"	"
32		1/4		5	5	1	1/4	"	"
33		1/4		5	5	1	1/4	"	"
34		1/4		5	5	1	1/4	"	"

Date Commenced 8/21/52 Date Finished 8/21/52

Tract Loomis. Panner: Day C.V. Loomis Night

Drill Runner: Day R. Patton Night

Date Shift Line No. Hole No. PF 127Y Drill No.

Total Depth 37 Bedrock None Water Level 16 ft

ABBREVIATIONS

TAILINGS Continued on Page 2 ST. STICKY

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1/4		5	5	1	1/4	Gray Clay	
36		1/4		5	5	1	1/4	" "	
37		1/4		5	5	1	1/4	" "	
								Hole taken to sand plant 8/22/52	

Date Commenced 8/21/52

Date Finished

Tract LOOMIS

Panner: Day C. Y. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. PF 127Y Drill No.

Total Depth 37 Bedrock none Water Level 16

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COA
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PP

DEPTH FEET	DEPTH IN	Pt LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GN LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		3		45	50	2	1	Sandy Loam	Firm
2		3		45	50	2	1	" "	"
3		2		45	50	2	1	" "	"
4		2		45	50	2	1	Med. Gravel	Tight
5		2		45	50	2	1		
6		2		45	50	2	1		
7		2		45	50	2	1		
8		3		45	50	2	1	Grey Sand	Firm Clay
9		1		10	10	1	1		
10		1½		15	15	1	1	Clean Grey Sand	Firm
11		1½		15	15	1	1	" " "	"
12		1½		15	15	1	1	" " "	"
13		2		15	15	2	1½	" " "	"
14		2		15	15	2	1½	" " "	"
15		1		5	5	2	1½	Clay & Sand	" Decrease
16		1		5	5	2	1½	Clay	"
17		2		15	15	2	1½	Brown Sand & Clay	Increase Co
18		2½		15	15	2½	1½	" " "	
19		2½		15	15	2½	1½	Brown Sand	
20		2½		15	15	2	1½	Brown Sand & Sil	Firm.
21		2½		15	15	2	1	" " "	"
22		2½		15	15	2	1	Grey Sand	"
23		2½		35	45	6	2	Med Gravel & Sand.	Increase
24		1		35	45	6	4	" Brown Gravel	"
[illegible]		1		35	45	6	4		
[illegible]		1		15	15	4	1	Clay - Water	Tight Cl
[illegible]		1		15	15	4	1	"	
[illegible]		1		15	15	4	1	Clay & Br Sand	Firm.
28		1		15	15	4	1	" " " "	"
29		1		15	15	4	1	" " " "	"
[illegible]		1		15	15	4	1	" " " "	"
[illegible]		1		15	15	4	1	Small Med Gr & Clay	Firm.
[illegible]		1		15	15	4	1	" " " "	"
[illegible]		1		15	15	4	1	" " " "	"

Continued on Page 2

Date Commenced Aug 21/52

Date Finished

Tractor COMIS.

Panner: Day C. Y. COMIS Night

Drill Runner: Day B. PATTEN Night

Shift Line No.

Hole No. PP 128 Y Drill No.

Depth Bedrock

Water Level 26 ft

ABBREVIATIONS

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

Continued from Page 1

FIELD LOG

DEPTH FEET	DEPTH IN	Mz LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
25		1		15	15	4	1	Med Gr SAND & CLAY	FIRM
31		1		20	20	2	1	" " " " "	Increase Cons
37		1/4		15	15	2	1	" " " " "	Decrease Cons
38		3/4		15	15	2	1	" " " " "	Tight
39		1/2		40	40	1	1	BROWN SAND & SMALL G.	FIRM INCR
40		1/4		75	75	1	2	" " " " "	INCREASE
41		1/2		75	75	1	2	" " " " "	" "
42								Bed Rock	
43								" "	
44								" "	

Left Hole Open To Sand Plant

8/22/52

Date Commenced 8/21/52

Date Finished 8/22/52

Tract LOOMIS

Panner: Day C V LOOMIS Night

Drill Runner: Day B PATTON Night

Date Shift Line No.

Hole No. PF 168 Y Drill No.

Total Depth 44 ft Bedrock 41 ft

Water Level 26 ft

ABBREVIATIONS

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

C. COARSE

Elev.

COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

Page 1 of PF12

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		2		30	30	1	4	Sandy Loam	Tight
2		2		30	30	1	4		"
3		2		30	30	1	4		"
4		2		30	30	1	4	Brown Sand & small G	Tight
5		2		30	30	1	4		"
6		2		30	30	1	4		"
7		2		40	40	8	4	" " & Med G	Firm. Fine C
8		2		40	40	8	4		"
9		2		40	40	8	4	Grey Sand & Med G	"
10		2		40	40	8	4	" " Coarse G	" Water
11		2		40	40	8	4	" " "	" "
12		2	TR	40	40	8	4	" " " "	" "
13		3		100	100	15	4	" " " "	Increase Cons.
14		3		100	100	15	4	" " " "	—
15		3		100	100	15	4	" Bed Rock " "	—

1/4 of Hole taken to Sand plant on Aug 23, 52

Date Commenced 8/22/52

Date Finished 8/22/52

Tract Loomis - Ruby.

Panner: Day C. V. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. PF 129Y Drill No.

Total Depth 15 ft Bedrock 15 ft

Water Level 10 ft.

ABBREVIATIONS

T. TAILINGS

F. FINE

S. SAND

ST. STICKY

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF-1

DEPTH FEET	DEPTH IN	Mz LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		15	15	8	1	Sandy Loam	Sandy Loam
2		1		15	15	8	1	" "	Fine.
3		1		15	15	8	1	Medum Gravel	"
4		1		15	15	8	1	" "	"
5		1		15	15	8	1	" "	"
6								Gr Brk	
7								" "	

Date Commenced 8, 23, 52

Date Finished 8, 23, 52

Tract Loomis

Panner: Day Loomis Night

Drill Runner: Day Patton Night

Date Shift Line No.

Hole No. Drill No.

Total Depth 5 Bedrock 7

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
M. MEDIUM
MUCH
LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	Mz LBS/YD³	Au LBS/YD³	Fe_2O_3 LBS/YD³	IL LBS/YD³	Gr LBS/YD³	ZrO_2 LBS/YD³	FORMATION	REMARKS
1		2		30	30	1	1	Coarse Gravel	Tight
2		2		30	30	1	1	" "	"
3		2		30	30	1	1	" "	"
4		1		20	20	1	1	Med Brown Gr's.	Fine
5		1		20	20	1	1		"
6		1/4		5	5	1/4	1/4	Grey Granit Sand & G	" Decrease G
7		1/4		5	5	1/4	1/4	" " "	"
8		1/4		5	5	1/4	1/4	" " "	"
9		1/4		5	5	1/4	1/4	Clay Grey	Tight
10		1/4		5	5	1/4	1/4	Grey Sand	
11		1/4		5	5	1/4	1/4	Clay Grey	Tight
12		1/4		5	5	1/4	1/4	"	"
13		1/4		5	5	1/4	1/4	" "	"
14		1		30	30	1/4	1/2	Grey Sand Small Gravel	Loose. Increa
15		1		30	30	1/4	1/2	Brown Sand Gravel	
16		2		75	75	4	1	Grey Sand & Gravel	Increase
17		2		75	75	4	1	" "	"
18		2		75	75	4	1	" "	"
19		2		75	75	4	1	" "	
20		2		75	75	4	1	" "	
21		2		100	100	4	1	" "	Increase G
22		3/4		25	25	2	1/2	Brown Sand & Gravel	Decrease, Co
23		3/4		25	25	2	1/2	" " "	Loose.
24		3/4		25	25	2	1/2	Brown Sand	"
25		3/4		25	25	2	1/2	" " "	"
26		3/4		25	25	2	1/2	" " "	"
27		3/4		25	25	2	1/2	Brown Sand & Small G.	"
28		1/2		20	20	1	1/2	Reddish Brow Sand	Loose Decrea
29		1/2		20	20	1	1/2	Light " "	" Water.
30		1/2		20	20	1	1/2	" " "	" "
31		1/2		20	20	1	1/2	" " "	"
32		1/2		20	20	1	1/2	" " "	"
33		1/2		20	20	1	1/2	" " "	"
34		1/2		20	20	1	1/2	" " "	"

Continued on Page 2.

Date Commenced 8/23/52 Date Finished

Tract Loomis. Panner: Day CYLOOMIS Night

Drill Runner: Day B Patton Night

Date Shift Line No. Hole No. Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
S. SAND
G. GRAVEL
CL. CLAY
SM. SOME
ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev. —

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM Page I

FIELD LOG

Page 2 of PF 131 Y

DEPTH FEET	DEPTH IN	Sn LBS YD³	Au LBS YD³	PbO_2 LBS YD³	IL LBS YD³	GM LBS YD³	ZnO_2 LBS YD³	FORMATION	REMARKS
33		1/4		15	15	1/4	1	Sand & Some Clay	~~Loose~~ Tight
34		1/4		15	15	1/4	1	" " "	Increase Cons.
35		1/4		15	15	1/4	1	Tight Clay	Tight
36		1/4		15	15	1/4	1	"	"
39		1/2		20	20	1	1	Brown Sand & Small G	Loose Increase
40		1/2		25	25	1	1	Grey Sand & " "	" "
41		1/2		25	25	1	1	" " " "	"
42		1/2		25	25	1	1	" " " "	
43		1/2		25	25	1	1	Grey Sand & Gravel Some Clay	
44		1/2		25	25	1	1	" " " "	
45		1/2		25	25	1	1	" " " "	
46		1/2		25	25	1	1	" " " "	
47		2		100	100	2	2	" " & Small G	Clean & Loose, Incr
48		2		125	125	8	2	" " " "	" " Increase
49		2		125	125	8	2	" " " "	" "
[illegible]		2		100	100	5	2	" " " "	Decrease Cons.
[illegible]		2		100	100	5	2	" " " "	Loose & Clean
52		2		75	75	5	2	" " " "	Decrease Cons.
53		1/2		50	50	5	1	" " " "	" "
54		1/2		50	50	5	1	" " " "	Loose
55		1/2		50	50	5	1	" " " "	"
56									
57									
58					1/2	Hole	Taken	To Plant,	8/25/52
59									
60									

Date Commenced 8/23/52

Date Finished 8/25/52

Tract Lewis.

Panner: Day C. Y. Lewis Night

Drill Runner: Day R. Pattee Night

Date

Shift

Line No.

Hole No. PF 131 Y

Drill No.

Total Depth 53 1/2

Bedrock None

Water Level 29 ft

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
[illegible]

S. SAND
G. GRAVEL
CL. CLAY
BR. ROCK

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.

Page 1 of P.F. L

Coordinates

FIELD LOG

DEPTH FEET	DEPTH IN	PT LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		40	40	8	1	Sandy Loam	Firm
2		1/2		40	40	8	1	"	"
3		1/2		40	40	8	1	Blue Sand + Med G	Firm
4		1/2		40	40	8	1	" " " "	"
5		1/2		40	40	8	1	" " " "	"
6		1/2		40	40	8	1	" " " "	"
7		1/2		15	15	4	1/2	Brown Sand + Clay	Firm Decreas
8		1/2		15	15	4	1/2	" " "	"
9		1/2		15	15	4	1/2	" " "	"
10		1/2		15	15	4	1/2	" " "	"
11		1/2		15	15	4	1/2	" " "	"
12		1/2		15	15	4	1	Redish Brown Sand + Clay	Firm.
13		1/2		15	15	4	1	" " "	"
14		1/2		75	75	2	1	Grey Sand + Gravel	Firm. Increas
15		1/2		75	75	2	1	" " " "	"
16		1/2		75	75	2	1	Grey Sand "	Loose.
17		1/4		15	15	1	1	Grey Sand	" Decrease
18		1/4		15	15	1	1	" " "	"
19		1/4		15	15	1	1	" "	"
20		1/4		15	15	1	1	" "	"
21		1/4		15	15	1	1	Sand + Clay	Water.
22		1/4		15	15	1	1	Red Sandy Clay	Tight
23		1/4		15	15	1	1	Grey Sand + Small G	"
24		1/4		15	15	1	1	Brown Sand & Clay	"
25		1/4		15	15	1	1	" " "	"
26		1/4		15	15	2	1	Sand + Small G	Firm.
27		1/4		50	50	2	1	" " " "	"
28		1/4		50	50	2	1	" " " "	"
29		1/4		50	50	2	1	" " " "	"
		1/4		Hole Taken to Sand plant					8/25/52

Date Commenced Aug 26-52

Date Finished Aug. 26-52

Tract Loomis

Panner: Day O Loomis Night

Drill Runner: Day B Patton Night

Date ____ Shift ____ Line No. ____

Hole No. P.F. 1524 Drill No. ____

Total Depth 29 ft Bedrock 29 ft

Water Level 21 ft.

ABBREVIATIONS

B. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page I of PF

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		15	15	8	1	Sandy loam	Firm.
2		"		"	"	8	1		
3		1/4		60	60	8	1	Sand & Med. Gr	Firm Increa
4		1/4		60	60	8	1	" " " "	"
5		1/2		60	60	8	1	" " " "	"
6		1/2		60	60	8	1	" " " "	"
7		1/2		10	10	4	1	Sandy Clay Tight	" Decreased
8		1/4		10	10	4	1	" " " "	Tight.
9		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	" Decrease Co
10		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
11		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
12		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
13		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
14		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
15		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
16		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
17		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
18		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
19		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
20		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
21		1/4		15	15	1	1/4	Watey. Brown Sand	Loose Increa
22		1/4		15	15	1	1/4	" " " "	"
		1/2 of Hole Taken to Sand plant							
								8, 28, 52	

Date Commenced Aug 26-52

Date Finished Aug 26/52

Tract Lo MILS

Panner: Day CVR Lo MILS Night

Drill Runner: Day BATTON Night

Hole No. PF 1331 Drill No.

Water Level 21 ft

Total Depth 22 ft

Shift Line No.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SMOOTH

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev. ....

COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

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Redig Hole # PF 13

DEPTH FEET	DEPTH IN	MZ LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1½		10	10	2	1	Sandy Loam	Firm.
2		1½		10	10	2	1	" "	"
3		1½		10	10	2	1	" "	"
4		1½		10	10	4	1	Med Gravel + Sand	"
5		1½		10	10	4	1	" " "	"
6		1½		10	10	4	1	" " "	"
7		1½		10	10	8	1	" " "	"
8		1½		10	10	8	1	" " "	Water.
9		1½		10	10	8	1	Med Coarse Gravel	Firm
10		1½		15	15	8	1	" " "	" Increase Co
11		1		50	50	8	1	Med Gravel	" Increase Cons
12		1		50	50	8	1	" "	Firm.
13		3		75	75	8	2	" "	Increase Co
14		3		75	75	8	2	" "	Firm.
15		3		75	75	8	2	" "	"
16		3		75	75	8	1	6" of Clay	Tight
17		2		40	40	6	1	Yellow Sand + Med G	Firm Decrease
18		1		40	40	6	2	Grey Sand & Med G	Loose.
19		1		40	40	6	2	" " " "	"
20		1		40	40	6	2	" " " "	"
						Running in Clay Bed			
								Left Hole to Sand plant	
				8-27-52.					

Date Commenced Aug 26-52

Date Finished Aug 27/52

Contract Loomis

Panner: Day C. Loomis Night

Drill Runner: Day R. Patton Night

Shift Line No.

Hole No. PF 134Y Drill No.

Depth 40 ft Bedrock None

Water Level 8 ft

ABBREVIATIONS

S. SAND
G. GRAVEL
CL. CLAY
BL. BOMB
ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of PF-

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	NL LBS YD³	CR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		5	5	5	5	Sandy Loam	Firm.
2		1/2		5	5	5	1	" "	"
3		1/2		5	5	5	1	" "	"
4		1/2		5	5	5	1	" "	"
5		2	5	25	25	20	1	med Gravel	Firm
6				25	25	20	1		"
7		2		25	25	20	1	Grey Sand	Loose.
8		1		10	10	8	1	" " Decrease	" Water.
9		1		10	10	8	1	" "	"
10									

Date Commenced Aug 27-52

Date Finished

Tract Loomis.

Panner: Day C. Loomis. Night

Drill Runner: Day B. Patton. Night

Date Shift Line No.

Hole No. PF 135-Y Drill No.

Total Depth Bedrock

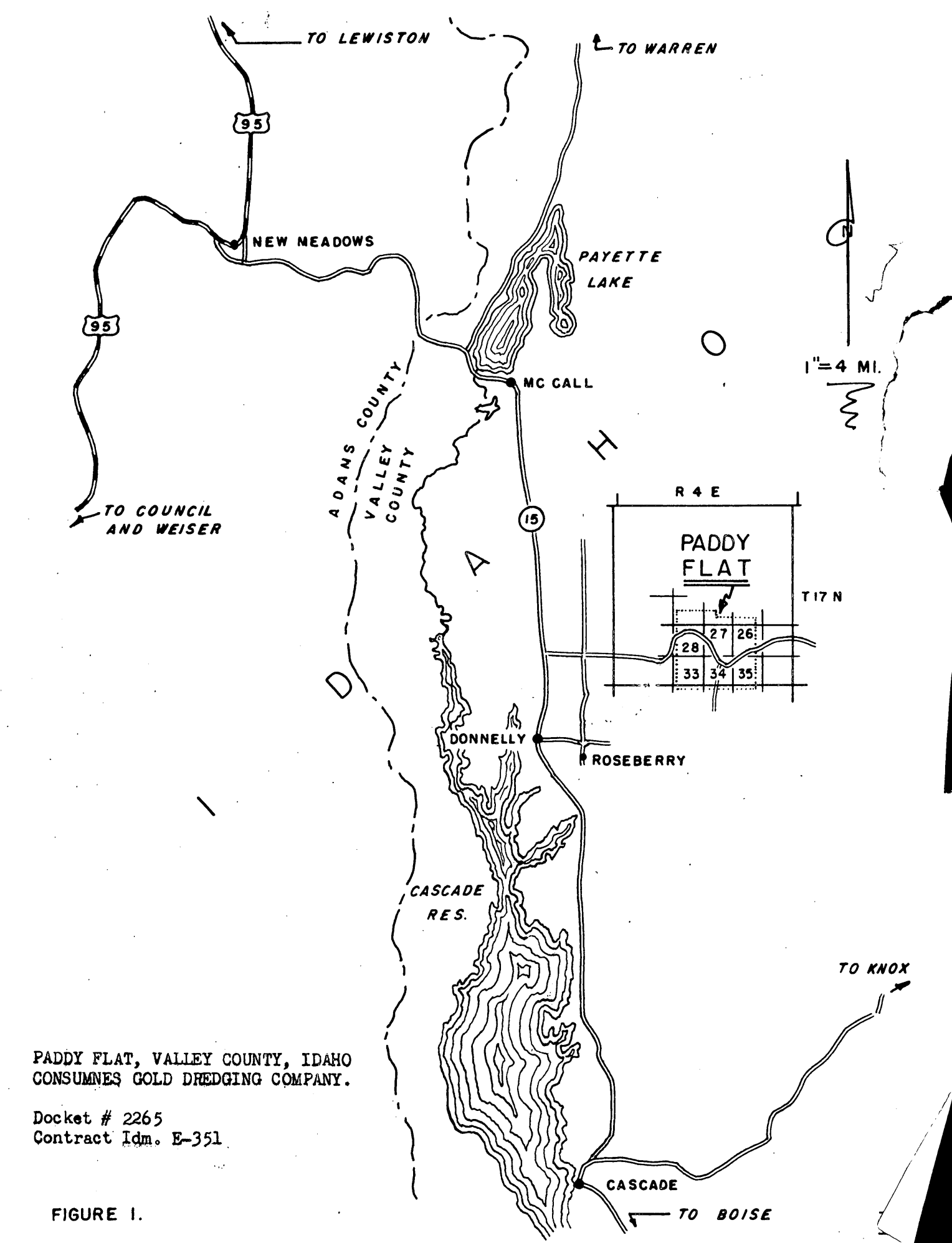
Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SMOOTH

ST. STICKY
MD. MEDIUM
M. MUCH



PADDY FLAT, VALLEY COUNTY, IDAHO
CONSUMNES GOLD DREDGING COMPANY.

Docket # 2265
Contract Idm. E-351

FIGURE 1.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Rapid Creek-Kennally Fork Ridge

Type of Sample	Sta. No.	Total Conc. #/1 yd³	Pan Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon	Anatase	Apatite	Kyanite	Leucoxene	Pyrite	Rutile	Sillimanite	Spinel	Xenotime
Bench gravel	18-56#31	17	83	9.	77.	8.	1.	x	1.	x	2.8		x				x			x		x
Bench gravel	18-56#32	23	91	73	21	1.8	1.2	0.3	2.	x	0.1		x				x			x		x
Bench gravel	18-55#73	59	84	x	80	13	0.4		0.2		5.		x				x			x		x
Drill Hole (composite)36' deep	PF119Y	44	78	36	32	14	4.8	x	3.	4.	1.3		0.6				x		x	3.		
Drill Hole (composite)34' deep	PF116Y	51	67	51	27	6	3.6		3.	3.	.9		x				x		x	3.		
Drill Hole (composite)57' deep	PF115Y	28	77	57	21	10	3.2	x	3.	3.	0.1		0.1				x		x	2.		
Drill Hole (composite)66' deep	PF114Y	36	65	30	33	14	5.		3.	3.	0.8		2.		x		x			4	x	x
Drill Hole (composite)70' deep	PF113Y	23	77	56	23	5.	1.4	x	4.	4.	1.2		0.4				x		x	3.	x	x
Drill Hole (grab sample)31'deep	PF112Y	5.3	74	9.	68	9.8	?	x	0.5	2.7							x					x
Drill Hole (composite)78' deep	PF111Y	60	75	63	16	4.7	4.	x	3.	4.	0.4	T	x						x	3.		
Drill Hole (composite)84' deep	PF110Y	34	65	62	19	4.	2.8		3.	1.	0.3		0.9		x	?	x	x	x	3.		
Soil, of Bench gravel	18-54#46	2.5	83	66	23	5.	3.	+	2.	x	0.2		5.(?)						x			
South Valley Side-Kennally Fk.																						
Bench gravel (w. pit)	18-55#62	36	88	85	13	1.4	++	x	0.2	x	++		T									x
Bench gravel	18-55#61	22	81	78	15	3.	0.9	x	3.	x	0.5		T					x		x	x	x

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Camp Creek - Rapid Creek Bench

Type of Sample	Sta. No.	Tot. Conc. # 1 yd³	Pan Eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon		Anatase	Apatite		Kyanite		Leucoxene		Pyrite	Rutile	Sillimanite	Spinel		Xenotime
Small dry wash in Bench Gravels	18-55#25	21	84	0.3	41	50	2.7	x	2.		1.7		x(?)											x	x		
Bench gravel, Pit, 18' deep	18-55#24	16	88	69	12	13	3.	0.3	2	0.6	++		x									x		x	x		
Drill Hole (composite) 15' deep	PF 125Y	49	66	25	32	16	14		4.	4.	0.6		x			x								3.			
Drill Hole (composite) 20' deep	PF 134Y	34	71	23	26	19	18		4.	5.			x										x	4.			
Drill Hole (composite) 41' deep	PF 124Y	29	73	20	33	12	12		4.	4.	0.7					2.							x	10(?)			
Drill Hole (composite) 40' deep	PF 123Y	33	66	41	14	17	6.8		5.	4.	0.6		x							x				8.			
Drill Hole (grab sample) 20' deep	PF 106Y	4.1	77	31	43	13	5.7	0.4	3.	x	2.2		x											x	x		x
Drill Hole (grab sample) 26' deep	PF 108Y	18	87	83	6.6	3.1	2.4	0.1	1.		0.7		x									x		x	x		
Bench gravel, 20' Road Cut	18-54#45	28	93	86	7.4	3.	1.2	0.1	0.9	+	0.1		x			x				x		x	x		x		
Small stm on Bench gravels	18-54#50c	36	80	1.7	25	44	22	2.	3.	x	0.9		x									x	x	x	x		
Older Bench gravels (higher)	18-54#50d	1.5	73	26	52	9.5	4.5	0.6	4.	x	0.6		x			x		?		x			x	x	x		
Older Lag gravels	18-54#49D	3	65	24	25	18	24	+	25	x	0.6		?										x		x		
Camp Creek sample	18-55#26	11	87	0.3	56	23	14	x	5.	x	0.2		?			x		?					x		x		
Camp Creek sample	18-55#7	47	81	0.4	59	20	11	6.1	1.6	x			x										x	x	x		

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Rapid Creek Valley Floor & Terrace

Type of Sample	Sta. No.	Total Conc., # 1 yd3	Pan eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon		Anatase	Apatite		Kyanite		Leucoxene	Malacon	Pyrite	Rutile	Sillimanite	Spinel		Xenotime
Drill Hole (grab sample)																											
20' BR. deep	PF 109Y	17	88	51	9.4	33	5.5	0.3	0.7	x	0.2	T	x											x			x
Stm sm, Rapid Cr. bar.	18-54#11	28	88	45	13	35	4.4	0.6	0.6	x	0.4	T	+									x			x		
Stm sm, " ",boulder payment	18-54#0	3.9	68	6	19	46	13	x	3.		0.5		T												x		
Stm sm, Rapid Cr,	18-57#51a	15	80	3.	12	61	13	1.	1.	+	++		x										x	x			
Soil, Wisc. Moraine	18-57#51b	2.66	73	24	10	49	12	0.7	12	x	+		x								x			x			

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Paddy Creek-Camp Creek Bench & Bench West of Paddy Creek

Type of Sample	Sta No.	Total Conc. # 1 yd³	Pan Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks	Zircon	Anatase	Apatite	Kyanite	Leucoxene	Malacon	Pyrite	Rutile	Sillimanite	Spinel	Xenotime
Paddy Cr.-Camp Cr. Bench																							
Older Gravel, Placer Pit (Basaltic gravel)	18-55#38b	28	91	86	10	++	1.	0.2	2.	x	+		x				x						x
Bench gravel, Placer Pit (older?)	18-55#27	23	87	T	42	38	15	0.8	2.	0.7	1.3		+						x	1.	x		
Bench gravel, Placer Pit	18-55#38a	28	85	73	25	0.4	1.7	0.5	2	?	++												
Drill Hole (grab sample) 23' deep	PE 126Y	10	75	6.2	69	11	6.9	0.3	4.6	x	0.7		x							x			
Drill Hole (grab sample) 37' deep	PF 127Y	10	80	24	61	5.9	4.2	0.4	1.8	x	1.		x										
Drill Hole (composite) 55' deep	PF 131Y	35	69	15	50	3.6	12		6.	4.	1.3		.6				x	x	x	2.			
Drill Hole (grab sample) 10' deep	PF 135Y	6.3	69	0.3	43	39	10	0.9	4.	x	0.4		x							x	x		
Bench gravel (road cut)	18-54#48	4.4	70	6.7	57	13	8	0.8	11	x	0.5		2(?)			?	x		x		x		
Drill Hole (grab sample) 28' BR deep	PF 104Y	9.9	87	67	23	4.8	1.7	0.1	2	x	0.8		x							x			x
Drill Hole (grab sample) 15' BR deep	PF 103Y	2.6	71	6.4	72	13	33	+	5.	x	+		x						x	0.3	x		x
Bench gravel, 8' Pit	5-17#4	27	77	0.4	83	23	7.3		3.		1.		T						x				
Small Creek with Lag gravels	5-18#3	23	68	11	70	0.6	8.5		x		4.6		0.6		x								
Bench West of Paddy Creek																							
Drill Hole (grab sample)	PF 130Y	6.0	79	87	5.4	+	0.2	0.3	4	x	+		x							x			
Drill Hole (grab sample)	PF 129Y	43	87	53	27	0.1	3.7	0.1	1.	0.2	0.1		x							x			
Drill Hole (composite)	PF 128Y	19	58	5.7	43	6.5	23	x	6.	3.	0.2		2.						x	3.			

x Indicates the precence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Paddy Creek Valley Floor

Type of Sample	Sta. No.	Total Conc. # 1 yd3	Pan. Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio-Bks.	Zircon		Anatase	Apatite	Kyanite		Leucoxene		Pyrite	Rutile	Sillimenite	Spinel		Xenotime
Stm, sm, Paddy Cr.	18-55#39	44	84	4.5	56	10	19	0.5	7	x	0.5		?										x	x		
Drill Hole (grab sample) 22'deep	PF 133Y	3.6	79	70	18	1.7	2.	++	0.2	x	+		x										x			
Drill Hole (grab sample) 29'deep	PF 132Y	18	72	30	44	8.4	9.1	0.7	5.9	x	0.1		x										x			
Drill Hole (grab sample) 31'deep	PF 107Y	90	83	44	35	9.3	8.6	0.4	2	x	0.5		x										x			
Drill Hole (composite) 27' deep	PF 105Y	97	70	45	41	6.	14		2.		1.6		1.		3.							x				
Stm sm, Paddy Cr.	5-18#43a	13	88	0.3	68	21	5.2	0.6	0.4	x	2.9		x										x			x
Drill Hole (grab sample) 10'deep	PF 102Y	46	78	18	50	13	12	0.6	2.		1.8		x								x		x	x		x
Stm sm., Paddy Cr.	5-18#2a	60	78	0.1	33	44	16		0.9		4.6		x											x		

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Local samples related to bedrock

Type of Sample	Sta. No.	Total Conc. #1 yd3	Pan Eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio Bks	Zircon	Anatase	Apatite	Kyanite	Leucoxene	Pyrite	Sillimenite	Spinel	Xenotime
WEST																					
Weathered bedrock (uncontaminated)	18-56#35	4.4	68	86	5.1	T	2.2	0.6	3.	x	T		x								
Local Stream	18-56#34	42	93	68	25	4.	0.2	++	0.1		2.5		x				x			x	x
Weathered bedrock (uncontaminated) coarse cgn	18-56#30	4.4	69	93	4.	+		0.6	0.6				x		x						
Local stream (associated basalt)	18-55#69	1.5	59	2.4	70	T	12	2.	9.	x	T		x				x				
Soil (biotite gneiss)	18-55#71	6.0	66	81	9.	T	4.	0.3	3.	x			x		x			x			
Local Stream	18-55#72	56	92	82	14	+	1.7	0.3	1.	x	+		x				x				
Local Stream	5-18#8	9.4	77	39	52	1.7	1.3		2.	0.3	0.5		x		x		x			x	x
Local Stream	5-18#41	19	87	46	30	0.2	1.7	1.	3.	x	++		0.2							x	
Weathered bedrock uncontaminated biotite	5-18#42	0.8	48	81	2.4	T	7.	x	7.		T		7.					x		x	
NORTH																					
Weathered bedrock, uncontaminated biotite gneiss	18-55#38	0.3	32	85	14	T	++	x	3.	x			T							x	
Soil	5-18#41i	0.6	69	78	3.	+	7.		8.		+		++								
Weathered bedrock, uncontaminated biotite gneiss	5-18#44c	0.1	48	7.1	57	+	+	14			+		T							x	
Weathered bedrock, uncontaminated biotite gneiss	5-18#44b	0.06	21	29	57	+	+		+		+		+		x					x	

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Local samples related to bedrock

Type of Sample	Sta No.	Total conc. #1 yd3	Pan Eff. %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monzonite	Radio Bks	Zircon		Anatase	Apatite		Kyanite		Leucoxene		Pyrite		Silimenite	Spinel		Xenotime
NORTH (continued)																											
Local Stream	5-18#44a	30	81	2.2	38	27	26		2.		5.8		T											x	x		x
Weathered, biotite gneiss	18-54#49d	0.3	41	T	5.	+	54	x	38		T		5.												x		
EAST																											
Mortored bedrock, cgn-like	18-54#12	3.1	75	91	3.2	+	T		2.	x	T		T														
Weathered bedrock, cgn-like	24-55#13	0.3	76	73	+	+	T		+	x	10		T							x		x					
Weathered bedrock	24-55Z15	0.2	79	T	46	T		+		x	+		x														
Weathered bedrock	24-55#16a	0.9	83	67	22	+		+	2.	x			x									x					
Weathered bedrock, white pegmatite	24-55#55	1.3	81	73	19	+		+	2.		T		x									x					x
SOUTH																											
Soil of medium grained biotite gneiss	24-55#58	13	87	91	5	0.1	0.3	0.1	2.	0.3	T?		x							x							
Local Stream	24-55#59	57	83	94	2.5	++	0.7	0.2	1.4	x	T		+														x
Weathered, coarse biotite gneiss	24-55#61a	2.5	73	92	0.3	T	T	1.	2.8	x	T											x			x		

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

HEAVY MINERAL CONTENT OF PADDY FLAT PLACER SAMPLES

Table 7

Large Streams and Miscellaneous Samples

Type of Sample	Sta. No.	Tot. Conc., # 1 yd³	Pan Eff., %	Magnetite	Ilmenite	Garnet	Mafic Bks.	Allanite	Epidote	Sphene	Monazite	Radio Bks.	Zircon		Anatase	Apatite		Kyanite		Leucoxene		Pyrite	Rutile	Sillimanite		Spinel	Xenotime
Stream sample, N. Fork Gold Fork, coarse gravel	18-55#28	33	82	24	23	44	4.4	0.7	0.6	1	0.4		T										x			x	
Stream sample, Kennally Fork, side bar	18-56#33	41	85	43	45	0.4	4.1	3	3	x	T		x														x
Stream sample, Kennally Fork	24-55#55a	5.7	76	34	40	20	+	x	x	x	4.4	T	x									x					x
Stream sample, Kennally Fork (poor sample)	24-55#18	2.9	72	7.1	37	23	0.9	0.9	0.9		27		+													x	x
Stream sample, Powelson Cr.	24-55#16	73	81	19	45	33		2.	+		3.	T								x							x
Miscellaneous																											
Terrace sample, Paddy Cr., Basalt gravels	18-55#67	85	91	52	38	28	4.	0.3	1.1	x	0.3		x							x						x	x
Old gravels? resting on Latah-Basalt sluff	18-55#66a	5.4	84	44	39	8.9	5.	0.3	1.	x	0.3		x							x						x	x
Latah sands	18-55#66	0.06	34	14	71	+		T	+	x	5.		x							x							x

x Indicates the presence of the mineral without regard to quantity.

T, +, and ++ Are semi-quantitative symbols indicating a progressive increase in amount between 0 and 0.1%.

SUMMARY OF MINERALOGICAL DATA OF PADDY FLAT PLACER SAMPLES

Table 8

Type of Sample	Number of Samples Averaged	Total Concentrate	Pounds per Cubic Yard				Magnetite Percent of total conc.	Percent Exclusive of Magnetite				
			Magnetite	Ilmenite	Garnet	Monazite		Ilmenite	Garnet	"Mafic Blacks"	Epidote	Monazite
Rapid Creek-Kennally Fork Ridge	11	37	22	8.	2.7	0.4	60	55	18	6.5	5.5	2.5
Camp Creek-Rapid Creek Bench	10	29	14	6.1	4.5	0.2	47	40	29	13	5.1	1.3
Rapid Creek Valley Floor Terrace	5	20	10	1.8	6.1	0.04	50	18	61	12	1.6	0.4
Paddy Creek-Camp Creek Bench	12	17	1.5	11	2.4	0.2	9	69	16	11	6.2	1.3
Bench west of Paddy Creek	3	23	16	3.3	0.1	001	70	48	2	11	13	0.1
Paddy Flat Valley Floor	8	46	19	16	4.6	0.6	41	60	17	15	3.2	2.2

[illegible] GOLD MINING CO.
[illegible], Idaho.

Hole No. 101 Depth of Hole 18 Ft. Core Dia. 10 CARREY & DENNISON 7/21/52
Recorded [illegible] Date [illegible]

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 mesh %	-20+31 %	-30+50 %	-50+100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	4.89	—	4	10	3.2	3.3		
Ilmenite	38.98	40	40.0	40	40.0	35		
Garnet	12.75	40	40.0	20	10.0	2		
Sirene	2.58	—	—	—	2	7		
Monazite	4.30	—	3.0	2.0	4.0	8		
Quartz	27.43	20	10.0	20.0	30	35		
Others	9.46	—	3	8	11	9.7		
Wt. in Mgs.	100	2.5	5.0	23.5	46.5	22.5		

Remarks:

M. Goat

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Hole No. 102 Depth of Hole 10' Wt. Cone Cu. Yd. 58.5 Property PF Date 7/25

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 *20 %	-20*30 %	-30*50 %	-50*100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd. ¢
Magnetite	27.20	.975 10.0	3.47 35.0	11.15 47.0	9.65 29.0	2.45 9.0	15.9	4
Ilmenite	27.02	2.35 41.0	3.47 35.0	6.50 27.0	9.30 28.0	5.4 20.0	15.6	4
Garnet	6.80	2.23 39.0	1.99 20.0	1.92 8.0	.66 2.0	Tr	4.0	10
Zircon	1.80	0 Tr	0 Tr	.12 .45	.33 1.0	1.35 5.0	1.0	2.5
Monazite	1.14	0 Tr	0 Tr	.48 2.0	.66 2.0	Tr	.67	12.0
Quartz	29.56	.46 8.0	.59 6.0	2.41 10.0	10.0 30.0	16.10 60.0	17.3	
Others	6.08	.1 2.0	.39 4.0	1.32 5.5	2.46 8.0	1.61 6.0	3.6	5. Au
Total	100	5.75	9.95	24.1	33.2	27.0	58.5	37.5
Wt. in Mgn.	17.430	1000	1730	4200	5790	9710		

Remarks: Magnetite and Ilmenite estimated at 1/4 c/lb
(Iron ore is $8.00/ton and Ilmenite $18.00 to $25.00/ton)

Magnetite and ilmenite estimated at 1/4 c/lb
(Iron ore is $8.00/ Ton and Ilmenite $18.00 to $25.00/Ton

CONTINENTAL GOLD MINING CO.
Concrete, Idaho.

Hole No. 103 Depth of Hole 15 No. of Cons. 8.25 Cu. Ft. Prop. CARREY & DENNISON Date 7/21/

Screen analysis and Estimates

Mineral	Total Sample	-14+20	-20+30	-30+50	-50+100	-100	Value Cu. Ft.
Magnetite	15.0	2	3	10	25	33	
Ilmenite	38	40	40	40	30	35	
Garnet	12	30	30	20	15	5	
Zircon	—	—	—	—	5	7	
Monazite	—	—	3	2	4	3	
Quartz	26	18	5	15	25	30	
Others	9						
Gold							
Wt. in Mgms.	100						

Values calculated in cents per lb. Magnetite __, Ilmenite __, Garnet __, Monazite __, Zircon __, Gold $35.00 dollars per Oz.

Remarks:

MR. YOST

CONTINENTAL GOLD DREDGING CO.
Cascade, Idaho.

Hole No. 107Y Depth of Hole 31' Wt. Cons/Cu. Yd. 61# Property P.F Date 7/27/

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 +20 %	-20+30 %	-30+50 %	-50+100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	18.98	.08 2	1.94 20	12.2 34	3.76 11	6	1.10	
Ilmenite	30.79	1.26 30	3.88 40	9.2 26	12.3 36	25	4.15	
Garnet	5.42	1.26 30	1.16 12	1.8 3	1.02 3	Tr		
Zircon	.67	—	—	Tr	.171 0.5	3	.5	
Monazite	.43	—	—	.18 0.5	.171 0.5	0.5	.08	
Quartz	40.60	1.47 35	2.13 22	11.6 33	15.4 45	60	10.0	
Others	4.26	.13 3	.60 6	1.23 3.5	1.57 4	5.5	A3	
Wt. in Lbs.	100	4.2	9.7	35.4	34.1	16.6		

Remarks:

Sample: 6138 Lbs Dry Wt.
Total Cons: 124 Lbs — 2.02 %
Au 10.7¢/yd³

COSUMNES GOLD DREDGING CO.
Cascade, Idaho.

Hole No. 108 Depth of Hole 26' Wt. Cons/Cu. Yd. 30.6 Property P.F. Date 7/19/52

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14*20 %	-20*30 %	-30*50* %	-50*100	*100	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	40.2	2.4 40.0	6.8 40.0	12.0 40.0	16.0 45.0	8.0 25.0		
Ilmenite	18.8	1.2 20.0	3.4 20.0	6.0 20.0	7.0 20.0	1.2 10.0		
Garnet	10.22	1.5 25.0	3.4 20.0	4.5 15.0	.7 2.0	.12 1.0		
Zircon	.95	—	—	—	.35 1.0	.6 5.0		
Monazite	.46	.03 0.5	.05 0.3	.5 0.5	.17 0.5	.06 0.5		
Quartz	23.0	.6 10.0	2.5 15.0	4.5 15.0	8.8 25.0	6.6 55.0		
Others	6.62	.3 4.5	.8 4.8	2.8 9.5	2.3 6.5	.42 3.5		
Wt. in Mgs.	100	6.0	17.0	30.0	35.0	12		

Remarks: FAT .11 Mg Au Cons
1¢/yd³ Au.

[illegible] Hill Mining Co.
Lemmate, T. Sale.

Hole No. P 111 Depth of Hole 78 ft. of Core. ____ Cu. Yd. Tons. ____ Date ____

P.F. 116

Screen analysis and Estimates

Minerals	Total Sample	-10 +20	-20 +30	-30 +50	-50 +100	-100	Volume Cu. Yd.
Hematite	46.0%	46.					
Ilmenite	13.8%	13.8					
Garnet	5.7%	5.7					
Zircon	1.4%	1.4					
Monazite	1.4%	1.4					
Waste	31.7%	31.7					
Others							
Total							

[illegible]

Values calculated in order of Co. Hematite 11.5, Ilmenite 3.2, Garnet 15.0, Monazite 22.0, Zircon 3.2, Sale 18.00 dollars per Co.

Contents 56.2 Cu. Yd.

Elev.

Coordinates

COSUMNES GOLD DR[illegible]G CO.

FIELD LOG

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DEPTH FEET	DEPTH IN.	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		✓		✓	✓		✓	Top Soil	Red
2		✓		✓	✓		✓	" "	"
3		✓		✓	✓		✓	Med gravel	Gray
4		✓		✓	✓		✓	" "	
5		✓		✓	✓		✓	" "	
6		✓		✓	✓		✓	" "	
7		✓		✓	✓		✓	" "	
8		✓		✓	✓		✓	" "	
9		✓		✓	✓		✓	" "	
10		✓		✓	✓		✓	Fine Clay + Sand	Red
11		✓		✓	✓		✓	" "	"
12		3		✓	✓		✓	" "	"
13		3		20	10		✓	" "	"
14		4		20	10		1	Gravel Brown	Brown
15		4		30	15		1	Clean Gravel	White
16		1		15	5		1/2	" Or Coarse 8"	"
17		1		5	5				
18		1		5	5			Gray Blk Soft	
				22" Hole					
				Sample split 1/2					
				MZ Est			12	lbs	
				Mag	"		10	"	
				IL	"		5	"	
				Zircon	"		1	"	
								All Gravel	

Date Commenced 7/17/52 Date Finished 2:00 PM 7/19/52

Tract Carney + Dennison Panner: Day ..... Night .....

Drill Runner: Day ..... Night .....

Date ..... Shift ..... Line No. ..... Hole No. PF-10 A-Y Drill No. .....

Total Depth 17 FT Bedrock Soft Gravel Water Level 1 FT

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev. .....

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

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DEPTH FEET	DEPTH IN	MZ LBS YD³	AU	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZR OXIDE LBS YD³	FORMATION	REMARKS
1								Top Soil	Roots + Leaves
2		Tr		1	Tr			" "	
3		"		5	1			Clay Sm Sand	
4		"		5	1		½	" Fine Sand	Blue + Gray
5		"		15	5	1	½	Gravel Clay	Gray (Tight)
6		1		40	20	2	1	" Clean	Oxidized
7		1		"	"	"	"	" "	
					Moved			Hole Boulder	3 ft Diameter
					Moved			10' North	
8		1		35	20	2	1	Gravel + Sand	
9		1½		"	"	"	"	" "	
10				Hole sluffed 2 ft					
								Large Quartz Bolders	
				No Brk	Holesluffing				
				Met Hole To Sand plant					
				on 7/21/52					

Date Commenced 7/17/52 - 2:00 P.M. Date Finished .....

Tract .....

Panner: Day ..... Night .....

Drill Runner: Day Bob Pr Night .....

Date ..... Shift ..... Line No. .....

Hole No. PF-10 Y Drill No. 1

Total Depth 10.4 Bedrock No

Water Level 3 FT

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH

COSUMNES GOLD DREDGING CO.

Elev. _____

Coordinates _____

FIELD LOG

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		½		10	5	Tr	½	Sandy Loam	
2		"		"	"	"	"	Gr. Sm Clay	
3		"		"	"	"	"	Medium Clay	
4		"		"	"	"	"	"	
5		2		1	20	2	1	Coarse-Medium Gr	Red
6		"		2	"	1	1	"	"
7		"		2	15	1	1	"	"
8		1		2	5	1	1	"	"
9		2		2	15	1	1	"	"
10		3		1	7	2	½	Good Gravel Firm Brown	
11		2		2	10	3	½	Gr + Clay Firm	Partly Grav
12		1		1	15	3	½	"	"
13		2		1	15	3	1	"	Dec. Gran Cobbles
14		1		1	15	3	½	"	Tight
15		1		1	10	2	Tr	Bedrock Soft Granite	

Good Dredging Gravel.
Digging Section 15 Ft.
Monazite Coarse
Blacks Ilmenite and Uranium?

¼ of Hole or sample Taken To Sand Pile
7/18/52

Date Commenced 7/18/52 (11 AM) Date Finished 7/18/52 1 PM

Tract Carey + Denison Panner: Day Yost Night

Nr. Main Road Way Between PF + RS Drill Runner: Day Bob Patton Night

Date _____ Shift _____ Line No. _____ Hole No. PF-10B-Y Drill No. _____

Total Depth 15 Bedrock 14½ Water Level 7 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

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PF10[illegible]

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		Tr		½	1	Tr	Tr	Surface Loam	
2		½		1	5	Tr	Tr	" "	
3		1		1	15	Tr	½	Gravel Sm. Clay	Same as
4		1		1	15	Tr	½	" Clean	Hole PF-106-Y
5		2		1	20	1	1	" "	
6		1		1	20	1	1	" "	
7		2		½	30	1	½	" "	
8		1		1	15	1	½	Coarse Gravel	
9		3		10	75	3	1	" "	
10		3		5	60	2	2	" "	Tight gravel
11		1		5	60	2	2	" "	12" cobbles
12		1		5	60	1	2	" "	"
13		½		2	50	1	3	" "	"
14		1		10	100	5	3	" "	"
15		1		5	50	3	1	Sand + Gr. Loose	change Gr. Med.
16		1		3	30	2	1	" "	"
17		½		100	10	5	1	" "	
18		½		60	10	5	1	" "	
19		½		50	5	5	1	" "	
20		½		20	3	5	2	Sand, Gr. + Clay	Change
21		1		30	2	4	1	" "	
22		1		20	1	5	½	" "	
23		1		20	1	4	1	" "	
24		1		20	1	4	1	" "	
25		1		20	1	4	1	" "	
26		1		20	1	4	1	" "	
27		½		5	Tr	Tr	Tr	Brk Gray Gravel	
28								" " "	

Date Commenced 7/18/52 - 2 PM

Date Finished 7/19/52

Tract Carey + Denison

[illegible] E - of Hole PF106Y Nr Road

Panner: Day ..... Night .....

Drill Runner: Day [illegible] Night .....

Date ..... Shift ..... Line No. .....

Hole No. 107Y Drill No. .....

Total Depth 28 FT Bedrock 27 soft

Water Level No

ABBREVIATIONS

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of ~~PP-10~~ PP-10.

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Farm Bla	
2								" "	
3								Blue Sand	
4		1.25 Lbs Cons Cu Yd.						Red sand + Gravel	Heavy Cons
5		2		30	75	2	2	" " "	Md " " Inc
6		2		30	75	2	2	" " "	" (Light)
7		2		30	75	2	2	" " "	" "
8		3		30	75	2	2	" " "	Inc Mz
9		5		30	75	2	3	" " "	" "
10		1/2		20	30	7	2	Clay + Sand	
11		1/2		30	30		3	Sand Fine Gravel	less Cons
12		1/2		30	30	5	3	" " "	
13		1 1/2		30	30	5	3	" " "	Inc Mz
14		1 1/2		30	30	5	3	" " "	
15		2		30	30	5	3	" " "	
16		2		30	30	5	3	" " "	
17		2		30	30	5	3	Red sand Md Gravel	
18		4		30	30	5	3	" " " "	Inc Mz
19		4		30	30	5	3	" " " "	
20		2		20	20	3	1	Gray Clay	(less Cons)
21		4		30	30	2	4	Gray sand Md. Gravel	Inc Cons
22		4		30	30	2	4	" " " "	
23		3		20	20	2	4	Gray Clay some sand	Less Cons
24		4		30	30	2	5	Medium Gravel sandy	Inc Cons
25		4		35	35	2	5	Clay Gray Tight + Sticky	
26		5		40	40	2	5	Med. Gravel sand	Inc Cons
27		Very Little Cons						Brk Gray Granite Tight + Sticky	

½ of Hole Taken to sand plant on 24 + 25th of July

Date Commenced 7/23/32/11:15AM Date Finished 7/25/32

Tract Geary + Dinison Paddy Flat Panner: Day _____ Night _____

Drill Runner: Day R. Patton Night _____

Date 7/23/32 Shift 1 Line No. _____ Hole No. ~~[illegible]~~ 1057 Drill No. 1

Total Depth 27 Bedrock 26 Water Level _____

ABBREVIATIONS

S. SAND

ST. STICKY

MD. MEDIUM

COSUMNES GOLD DREDGIN

Elev.

Coordinates

FIELD LO.

Page 1 of PF10

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1			1/2	1/2	1/2	Sandy Top Soil	
2		1			1/2	1/2	1/2	Large Gravel Some sand	
3		1			1/2	1/2	1/2	" " " "	(Granit Boulders)
4		1			1/2	1/2	1/2	" " " "	" "
5		1			[illegible]	1/2	1/2	Medum Gravel Clean sand	(Granit & Quartz Gravel)
6		1			1/2	1/2	1/2	" " " "	
7		1			1/2	1/2	1/2	" " " "	
8		2			8	2	1/2	" " " "	(Water)
9		2			8	2	1/2	" " " "	Ine in Cors
10		2			8	2	1/2	Gray Clay	
11		2			8	2	1/2	" "	
12		2			8	2	1/2	Medum Gravel	
13		2			8	2	1/2	" "	
14		2			8	2	1/2	" "	
15		2 1/2			8	2	1/2	Gray Clay	
16		2 1/2			10	2	1/2	" Sand Little Clay	
17		2 1/2			10	2	1/2	" " " "	
18		2 1/2			10	2	1/2	Gray sand Medum Gravel	
19		2 1/2			10	2	1/2	" " "	"
20		2 1/2			10	2	1/2	" " "	"
								No Bed	
								Left Hole in sample	
								taken to sand plant	
								on 7/19/52.	

Date Commenced 7/19/52 12.30 Date Finished 7/19/52. 12 PM.

Tract Garney & Dinson Paddy Flat Panner: Day ..... Night .....

Drill Runner: Day R Patterson

Date ..... Shift ..... Line No. ..... Hole No. 108Y Drill No. .....

Total Depth 20 Bedrock No Water Level .....

ABBREVIATIONS

T. TAILINGS S. SAND ST. STICKY

Elev.

Coordinates

HUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF-101 PF-102

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Brown Top Soil	
2		1		10	10	1/2	1/2	Gray Sand	
3		1		10	10	1/2	1/2	" " Some Gravel	
4		1		10	10	1/2	1/2	Medium Clear Gravel	
5		1 1/2		10	10	1	1/2	" " "	
6		1 1/2		10	10	1	1/2	Large Clear Gravel	Caving a little
7		2		25	25	2	1/2	" " "	Lred cons
8		2		30	25	2	1/2	" " "	Standing Good
9		2		30	25	2	1/2	Clay Dark Gray (Tight)	
10		2		30	25	2	1/2	" " "	"
11		2		30	25	2	1/2	" " "	"
12		2		30	25	2	1/2	" Sand	
13		2		30	25	2	1/2	" "	
14		1		15	15	1	1/2	" "	
15		1/2		10	10	1/2	1/2	Sand + M Gravel	
16		1/2		10	10	0	1/2	Clay	Tight + Sticky
17		1		10	10	1	1/2	Medium Gravel	
18		1/4		5	5	1	1/2	Clay (less cons)	Tight
19		1/2		5	5	1	1/2	Clay	"
20		3/4		10	10	1	1/2	Fine Gravel	
21		3/4		15	15	1	1/2	Medium Gravel Clean sand	
22		2		20	15	1	1/2	" " "	" (Corse Mz)
23		2		20	15	1/2	1/2	" " "	"
24		2		20	15	1/2	1/2	" " "	"
25		2 1/2		20	15	1/2	1/2	" " "	" (Running)
26		2		20	15	1/2	1/2	" " "	" "
27		2		15	10	1/2	1/2	Running to much to go on Down	Prop Cas.
28		"		"	"	"	"	Drop Casing	Finished
29		"		"	"	"	"	" "	7/23/52
30		"		"	"	"	"	" "	
31		1		"	"	"	"	" "	

Date Commenced 7/21/52 10:00 AM Date Finished 7/23/52 10:30 AM

Tract Garey Dirsen Paddy Flat Panner: Day ..... Night .....

Drill Runner: Day B Patton Night .....

Date 7/21/52 Shift 1 Line No. ..... Hole No. 101 Drill No. 1

Total Depth 31 Bedrock 31 Water Level 5 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		15	15	1/2	1/4	Sandy loam	
2		1/4		15	15	1/2	1/4	" "	
3		1/4		15	15	1/2	1/4	Corse Gravel + sand	(Granite Gravel)
4		1/4		15	15	1/2	1/4	" " "	" "
5		1/4		15	15	1/2	1/4	Clean sand	
6		1/4		15	15	1/2	1/4	" "	
7		1/3		15	15	1/2	1/4	" "	
8		1/3		15	15	1/2	1/4	" "	
9		1/3		15	15	1/2	1/4	" "	
10		1/3		15	15	1/2	1/4	" "	
11		1/3		15	15	1/2	1/4	" "	
12		1/2		15	15	1/2	1/4	Clean Sand Large Gravel	
13		1/2		15	15	1/2	1/4	" " "	"
14		1/2		15	15	1/2	1/4	Large Gravel (Quartz) Tight	
15		3/4		15	15	1/2	1/2	" " "	Tight
[illegible]		1		20	20	1	1/2	" " "	
17		1		20	20	1	1/2	Medum Gravel Large washed Boulds	
18		1		20	20	1	1/2	" "	(Inc Cons)
19		1		15	15	1	1/2	Brown Sand	
20		1		15	15	1	1/2	" "	
21		1		15	15	1	1/2	" " Md Gravel	
22		1		15	15	1	1/2	" " "	"
23		1		15	15	1	1/2	" " "	"
24		1 1/2		15	15	1	1/2	" " "	"
25		1 1/2		15	15	1	1/2	" " "	"
26		1						" " "	"
		Grit						Brk Gray Granite	
27				25	15	3	3/4	[illegible] Md Gravel	
28								Hole to sand [illegible]	
[illegible]				25	15	3	7/28/32	" "	
30				25	25	3		" "	(Inc Mx)
31									
32									

Date Commenced 7/26/32 1:30 PM

Date Finished 7/28/32 10:45 AM

Tract Carr + Dawson
½ Mile from Ranger station
Left on Rubicon

Panner: Day ..... Night .....

Date 7/26/32 Shift 1 Line No. .....

Drill Runner: Day Pitt Night .....

Hole No. 1047 Drill No. 1

Total Depth 26 ft Bedrock 25 ft

Water Level 10 ft

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 PE109

Depth Feet	Depth In	Mg Lbs Yd³	Au Lbs Yd³	Pt Lbs Yd³	Sn Lbs Yd³	Ga Lbs Yd³	ZrO_2 Lbs Yd³	Formation	Remarks
1		1/2		10	10	3	Tr	Sandy Loam	
2		1/2		10	15	3	Tr	" "	
3		1/4		10	10	3	Tr	Gravel	
4		1/4		15	15	3	1/3	" Tight	Inc Coars Boulder
5		1/4		15	15	4	Tr	" "	
6		1/4		15	15	5	1/3	" " Large Boulders	
7		1/4		15	15	5	1/3	" " "	
8		1/4		15	15	15	1/3	" " "	"
9		1/4		15	15	15		" " "	"
10		1/4		25	20	15		" " "	"
11		1/4		25	20	20	1/3	" " "	"
12		1/3		25	25	20	2	" " "	"
13		1/3		25	25	20		" " "	"
14		1/3		25	25	20	2	" " "	" With clay
15		1/3		10	20	8	1	" " "	"
16		1/3		15	20	8	1	" " "	Coarse
17		1/3		15	20	8	1	" " "	"
18		1/3		15	20	8	1	" " "	"
19		1/2		15	20	8	1	" " "	"
20		1/2		15	20	8	1	" " "	"
								Bed Rock Gray Granite	
		1/2 of Sample Taken to Sand Plant							
								7/30/52	

Date Commenced 7/28/52, 12 30

Date Finished 7/30/52 10 00 AM

Tract C 312 Y Dredger

Panner: Day Night

Date 7/28/52 Shift Line No.

Drill Runner: Day R Patton Night

Hole No. 1095 Drill No. 1

Total Depth 20 Bedrock 20

Water Level 4 ft

ABBREVIATIONS

T. TAILINGS

F. FINE

S. SAND

ST. STICKY

Elev. ..... COSUMNES GOLD DREDGING CO. Page 1 of 11

Coordinates

FIELD LOGS

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		10	10		Tr	Brown sand Md Gravel	Quartz
2		1		10	10		Tr	" " " "	"
3		1		10	10		Tr	" " " "	"
4		1		10	10		Tr	" " " "	"
5		1		10	10	Tr	Tr	" " " "	"
6		1		10	10	1/4	1/2	" " " "	"
7		1		10	10	1/4	1/2	" " " "	"
8		1		10	10	1/4	1/2	" " " "	"
9		1 1/2		15	15	1/4	1/2	" " " "	"
10		1 1/2		15	15	1/4	1/2	" " " "	"
11		1 1/2		15	15	1/4	1/2	Sand Fine Sand Gravel	
12		1 1/2		15	15	1/4	1/4	" " " "	
13		1 1/2		15	15	1/4	1/4	" " " "	
14		1 1/2		15	15	1/4	1/4	" " " "	
15		1 1/2		15	15	1/4	1/4	" " " "	
16		1		10	10	1/4	1/4	Clean Gray Sand	
17		1		10	10	1/4	1/4	" " "	
18		1		10	10	1/4	1/4	" " "	
19		1		10	10	1/4	1/4	" " "	
20		1		10	10	1/4	1/4	" " "	
21		1		15	15	1/4	1/4	Clean sand small Gravel	Inc Co
22		1		35	35	Tr	1/4	" " "	"
23		1		35	35	Tr	1/4	" " "	"
24		1		35	35	Tr	1/4	" " "	"
25		1 1/2		35	35	Tr	1	" " "	" Inc MZ
26		1 1/2		35	35	Tr	1	" " "	"
27		1 1/2		35	35	Tr	1	" " "	"
28		1 1/2		35	35	Tr	1	" " "	"
29		1		35	35	Tr	1/2	Yellow sand sm Gravel	
30		1		35	35	Tr	1/2		
31		1		35	35	Tr	1/2	Gray sand + Gravel	
32		1		35	35	Tr	1/2	" " "	
33		1		20	15	"	"	"	
34		1		"	"	"	"	Gray G. Sand Mill	Cut

Date Commenced 7/30/12 Date Finished .....

Tract Garey + Dinsen Panner: Day ..... Night .....

Drill Runner: Day Pat Night .....

Date ..... Shift Line No. ..... Hole No. 1109 Drill No. 1

Total Depth ..... Bedrock ..... Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	DT. [illegible]
F. FINE	G. GRAVEL	MD. [illegible]
C. COARSE	CL. CLAY	M. [illegible]
V. VERY	SM. SOME	[illegible]

COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

Page 2 of PFIN

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
51		1		25	20	Tr	1	Brown Sand Md Gravel	
52		1		25	20	Tr	1	" " "	
53		1		25	20	Tr	1	" " Course Gravel	
54		1		30	30	Tr	1	" " "	"
55		1		30	30	½	1	" " "	"
56		1		30	30	½	1	" " "	"
57		1		30	30	½	1	" " "	"
58		1		30	30	½	1	" " "	"
59		1½		40	40	½	1	" " "	" INC Coms
60		1½		40	40	½	1	" " "	"
61		1		40	40		1	Sand Brown	
62		1		40	40	Tr	1½	" "	Damp Sticky
63		1		25	25	Tr	1½	" "	
64		1		25	25	Tr	1½	" "	
65		1		25	25	Tr	1½	" "	Size Increase
66		1		25	25	Tr	1	Course Med	
67		1		50	50	Tr	2	"	
68		1		50	50	Tr	2	" "	
69		1		50	50	Tr	2	" "	
70		1		50	50	Tr	2	" "	
71		1		75	75	Tr	3	"	
72		1		75	75	4	3	" "	
73		1		50	50	3	2	" "	
74		1		75	75	3	3	" "	Grey Cl.
75		1		75	75	3	3	" " "	
76		1		60	60	5	2	" " "	Light Cl.
77		1		60	60	5	2	" " "	
78		1		60	60	5	2	Cleane Quartz Gravel	
79		1		60	60	5	2	" " "	"
80		1		60	60	5	2	Sand Md Gravel	
81		1		60	60	5	2	" " "	
82		1		60	60	5	2	" " "	
83		1		60	60	5	2	" " "	
84									

Date Commenced

Date Finished

Tract

Panner: Day Night

Drill Runner: Day Bob Patton Night

Date Shift Line No.

Hole No. Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
S. SAND
G. GRAVEL
ST. STICKY
MD. MEDIUM

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

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DEPTH FEET	DEPTH IN	Mx LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
15		1		15	15	1	1½	Sand & Md Gravel	
16		1		15	15	1	1½	" " "	
17		1		15	15	1	1½	" " "	
18		1		15	15	1	1	" " "	
19		1		25	15	1	1	" " "	
20		1		"	"	"	1	Coarse Gravel	Loose
12		1		25	25	1	1	Gray Clay	
13		1		25	25	1	1	Coarse Gravel	
14		1		25	25	1	1	" " "	+ Sand
15		1		25	25	1	1	Yellow sand + Corse Gravel	
16		1		25	25	1	1	" " "	" "
47		1		25	25	1	1	" " "	" "
48		1		25	25	1	1	" " "	" "
49		1		25	25	1	1	" " "	" "
50		1		25	25	1	1	" " "	" "

Drilled to 85 FT. Cons increased with depth. M. Yost.

Date Commenced

Date Finished

Tract

Panner: Day Night

Drill Runner: Day Night

Date Shift Line No.

Hole No. Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM

COSUMNES GOLD DREDGING CO.

FIELD LOG

Coordinates

DEPTH FT	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		½		10	10	½	½	Red Gravel	Tight
2		½		10	10	½	½	" "	"
3		½		10	10	½	½	" "	"
4		½		10	10	½	½	" "	"
5		½		10	10	½	½	" "	"
6		½		10	10	½	½	" "	"
7		½		10	10	½	½	" "	"
8		½		10	10	½	½	" "	"
9		1		10	10	1	½	Red Sand Gravel	Loose
10		½		3	3		½	Sand	
11		½		3	3		½		
12		½		3	3		½		
13		½		3	3		½		
14		1		5	5		1		
15		1		10	10	"	1	Grey Sand	
16		1		10	10	"	1		
17		1		10	10	"	1		
18		1		30	30	"	1		
19		1		30	30	"	1	Red Sand Sand & Gravel	
20		1		"	"	"	1	" " " "	
21		1		"	"	"	1	" " " "	
22		1		"	"	"	1	" " " "	
23		1		"	"	"	1	" " " "	
24		1		25	25		1	" " " "	
25		1¼		25	25	"	1	" " " "	
26		1¼		25	25	"	1½	" " " "	
27		1¼		25	25	"	1½	" " " "	
28		1		25	25	2	2	" " " "	
29		1		25	25	2	2	" " " "	
		1		25	25	2	2	" " " "	
		1		25	25	2	2	" " " "	
		1		25	25	2	2	" " " "	
		1		30	30	2	2	" " " "	
		1		30	30	2	2	" " " "	

Date Commenced 8/14/52 Date Finished

Tract Carey & Dennison Panner: Day C. Loomis Night

Drill Runner: Day P. Patton Night

Date 8/14/52 Shift Line No. Hole No. 111Y Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of 111

DEPTH FEET	DEPTH IN	MZ LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
33		1½		30	30	3	3	Med. Gravel	FIRM
34		1½		"	"	"	"	" " "	
35		1½		"	"	"	"	" " "	
36		1½		35	40	3	3	" " "	Increase MZ
37		1½		35	40	3	3	" " "	" "
38		1½		35	40	3	3	" " "	FIRM
39		2		35	40	4	3	Med. & Various Gravel	Increase MZ
40		2		35	40	4	3	" " "	FIRM
41		2		35	40	4	3	" " "	"
42		2		35	40	4	3	" " "	"
43		2		35	40	4	3	" " "	"
44		2		35	40	3	3	" " "	"
45		2		60	40	3	3	" " "	Increase. Cons.
46		2		60	40	3	3	" " "	FIRM.
47		2		60	40	3	3	" " "	"
48		2		60	40	3	5	" " "	Increas. Z.R.
49		2		60	40	3	5	" " "	FIRM.
50		2		60	40	3	5	" " "	"
51		2		60	40	3	5	" " "	"
52		2		60	40	3	5	" " "	"
53		2		60	40	3	5	" " "	"
54		2		60	40	3	5	" " "	"
55		2		60	40	3	5	" " "	"
56		2		60	40	3	5	" " "	"
57		2		60	40	4	5	" " "	
58		2		60	40	4	5	" " "	Water
59		2		60	40	4	5	" " Granit Sand	"
60		2		70	50	4	5	" " "	FIRM Increase. Co
61		2½		70	60	4	5	" " "	" " "
62		2½		70	60	4	5	" " "	
63		2½		70	60	4	5	" " "	" " " " Wet
64		3		100	100	5	7	" " "	Increase Cons.
65		3		100	100	5	7	" " "	FIRM.
66		3		100	100	5	7	Clay & Sand	"
67		3		50	50	3	5	" " "	Decrease. Cons.
68		2		50	50	3	5	Granit & Gr. Sand	FIRM.

Date Commenced

Date Finished

Tract Carey & Dennison

Panner: Day C. Loomis Night

Drill Runner: Day R. Patton Night

Date 8, 4, 52 Shift Line No.

Hole No. 111Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
S. SAND
ST. STICKY

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
69		3		50	50	3	5	Granit + gt sand	Fine
70		3		50	50	3	5	" " " "	"
71		3		50	50	3	5	" " " "	"
72		3	Tr	50	50	3	5	" " " "	"
73		3		50	50	3	5	" " " "	"
74		2½		50	45	2	5	" " " "	"
75		2½		50	45	2	5	" " " "	"
76		3		50	50	6	5	" " " "	"
77		3		50	50	6	6	" " " "	"
77		3		50	50	6	6	" " " "	"

½ sample taken to plant 8/7/52

Hole about 360 ft West from sign board on Sloan Point Road

Date Commenced 8-4-52 Date Finished 8-6-52

Tract Gary Dennison Panner: Day C. Loomis Night

Drill Runner: Day R. Patton Night

Shift Line No. Hole No. 111Y Drill No.

Total Depth 78 Bedrock No Bdr. Water Level

ABBREVIATIONS

T. TAILINGS S. SAND ST. STICKY
F. FINE G. GRAVEL MD. MEDIUM
C. COARSE CL. CLAY M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		5	5	Tr	1	GRANIT SAND	TIGHT.
2		1/2		5	5	"	1	" "	"
3		1/2		5	5	"	1	" "	"
4		1/2		5	5	"	1	" "	"
5		1/2		3	2	"	1/2	" "	"
6		1/2		3	2	"	1/2	" "	"
7		1/2		3	2	"	1/2	" "	"
8		1/2		3	2	"	1/2	" "	"
9		1/2		3	2	"	1/2	" "	"
10		1/2		3	2	"	1/2	" "	"
11		1/2		3	2	"	1/2	" "	"
12		1/2		3	2	"	1/2	" "	"
13		1/2		3	2	"	1/2	" "	"
14		1/2		3	2	"	1/2	" "	"
15		1/2		3	2	"	1/2	" "	"
16		1/2		3	2	"	1/2	" "	"
17		1/2		3	2	"	1/2	" "	"
18		1/2		3	2	"	1/2	" "	"
19		3/4		4	3	"	1/2	" "	"
20		3/4		4	3	"	1/2	" "	"
21		3/4		4	3	"	1/2	" "	"
22		3/4		4	3	"	1/2	GRANIT SAND & G.	Gravel Loose (M
23		3/4		4	3	"	1/2	" "	" " Coarse
24		3/4		4	3	"	1/2	" "	" "
25		3/4		4	3	"	1/2	" "	" "
26		1		5	5	"	3/4	" "	" "
27		1		5	5	"	3/4	" "	" "
28		1		5	5	"	3/4	" "	" "
29		1		15	10	2	3/4	" "	" "
30		1		15	10	2	1/2	" "	" "
31		1		5	5	2	1/2	" "	" "

This Hole is located About 50 ft East of Mulk on Tree (Dated 10/27/51. This Tree is Marked Z.I.Y. Sample Taken From Cut By Tree 11/27/51

Date Commenced 8-6-52

Date Finished 8-6-52

Tract CARTY & DENNISON

Panner: Day C. V. LOOMIS

Drill Runner: Day B. PATTON

Date ..... Shift ..... Line No. .....

Hole No. 112Y Drill No. .....

Total Depth 31 Bedrock 31

Water Level NO WATER

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PFIR

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		4	4	1/2	1/4	GRANIT SAND & G.	TIGHT
2		1		"	"	1/2	1/4	" " " "	" "
3		1		4	4	1/2	1/4	" " " "	" "
4		1		5	3	1/2	1/2	" " " "	" "
5		1		5	3	1/2	1/2	" " " "	" "
6		1		5	3	1/2	1/2	" " " "	"
7		1		5	3	1/2	1/2	" " " "	"
8		1		5	3	1/2	1/2	" " " "	"
9		1		5	3	1/2	1/2	" " " "	"
10		1		5	3	1/2	1/2	" " " "	"
11		1		5	3	1/2	1/2	GRANIT SAND & CLAY	"
12		1		5	4	TR.	1/2	" " "	LOOSE
13		1		5	4	TR	1/2	GRANIT SAND	"
14		1		5	4	TR	1/2	" " "	"
15		1		5	4	TR	1/2	" " "	"
16		1		5	3	TR	1/2	" " "	"
17		1		4	3	TR	1/2	" " SM. GT. G	DECREAS. CONS
18		1		4	3	"	1/2	" " " " "	LOOSE.
		1		4	3	"	1/2	" " " " "	"
		1		4	3	"	1/2	" " " " "	"
		1		4	3	"	1/2	" " " " "	"
22		1		4	3	"	1/2	" " " " "	"
23		1		4	3	"	1/2	" " " " "	"
24		1/2		3	3	"	1/4	" " " " "	DECREASE CONS
25		1/2		3	3	"	1/4	" " " " "	" "
26		1		6	5	1	1/4	BROWN GRANIT S. G	INCREASE CONS
27		1/2		3	3	1/2	1/4	" " S	DECREASE "
28		1/2		3	3	1/2	1/4	" " "	" "
29		1/2		3	3	1	1/2	GRAY GRAN SAND	" "
30		1/2		3	3	1	1/2	" " "	" "
31		1		3	3	1	1	GRAVEL MED. COARSE	INCREASE CONS
32		1		3	3	1	1	" " "	DECREASE "
33		1		3	3	1	1	" " "	" "
34		1		6	6	1	1 1/2	" " "	INCREASE "

Date Commenced 8-7-52

Date Finished CONTINUED ON PAGE

Tract CARVEY & DENNISON

Panner: Day C. V. LOOMIS Night

Drill Runner: Day B. PATTON Night

Date Shift Line No.

Hole No. PF 113Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Continued From Page 2 of PF113

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1		5	5	1	1	Gravel Med Coarse	Loose
36		1		5	5	1	1	" " "	"
37		1		5	5	1	1	" " "	"
38		1		5	5	1	1	" " "	"
39		1½		7	5	1	1½	Brow Sand & Gravel	"
40		1½		7	5	1	1½	" " "	"
41		1½		7	5	1	1½	" " "	"
42		1½		5	5	1	1½	" " "	"
43		1½		5	5	1	1½	" " "	"
44		1½		5	5	1	1½	" Sm. Cl.	Sticky
45		1½		5	5	1	1½	Brown Sand " "	Water.
46		1½		2½	2½	TR.	1½	" " "	Sticky
47		1½		2½	2½	"	1½	" " "	" No Wate
48		1½		3	3	"	1½	" " "	" " "
49		1½		4	3	"	1½	Increase Const	" " "
50		1½		4	3	"	1½	" "	" " "
51		1½		4	3	"	1½	" "	" " "
52		1½		4	3	"	1½	" "	" " "
53		1½		4	3	"	1½	" "	" " "
54		1½		4	3	"		Med. Gravel	Loose " "
55		1½		50	50	"	1½	" "	" " "
56		1½		50	50	"	1½	" "	" " "
57		1½		50	50	"	1½	" "	" " "
58		1½		50	50	"	1½	" "	" " "
59		1		45	35	"	1½	Decrease Cons.	" Some Wat
60		1		45	35	"	1½	" "	" " "
61		1		45	35	"	1½	Granit Sand	
62		1		45	35	"	1½	" "	"
63		3/4		45	35	1	2	" " Some Clay	"
64		3/4		25	25	1	3	" " "	Decrease Con
65		3/4		25	25	1	4	Med Gravel	Loose.
66		3/4		25	25	1	4	" "	"
67		3/4		25	25	1	4	" "	"
68		3/4		25	25	1	4	" "	"

Date Commenced 8-7-62 Date Finished Continued on Page 3

Tract Carey & Dennison. Panner: Day C. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No. Hole No. PF 113Y Drill No.

Total Depth [redacted] Bedrock Mac Water Level 45 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY
S. SAND
G. GRAVEL
CL. CLAY
SM. SOME
ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev. '

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 2

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
69		½		25	25	1	4	Med Gravel	Loose.
70		½		25	25	1	4	" "	"

Date Commenced 8-7-51

Date Finished 8-8-52

Tract Carvey - Dennison

Panner: Day C.Y. Loomis Night

Drill Runner: Day B Patton Night

Date Shift Line No.

Hole No. PF 113Y Drill No.

Total Depth 70 Bedrock None

Water Level 45 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

COSUMNES GOLD DREDGING CO.

FIELD LOG

Elev. ..... Page 1 of PF 114

Coordinates

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		8	7	1	1	Red Coarse Gravel	Clean Red
2		1		8	7	1	1	" " "	" "
3		1		8	7	1	1	" " "	" "
4		1		8	7	1	1	" " "	" "
5		1		8	7	1	1	" " "	" "
6		1		8	7	1	1	" " "	" "
7		3/4		8	4	1	1	" " "	" "
8		3/4		8	4	1	1	Fine Sandy Clay	
9		3/4		8	4	1	1	" "	"
10		3/4		8	4	1	1	Sand	"
11		3/4		8	4	1	1	Fine Gravel	Brown
12		3/4		8	7	1	1	Grey "	Grey
13		3/4		8	7	1	1	" "	"
14		3/4		8	7	1	1	" "	"
15		3/4		8	7	1	1	" "	"
16		3/4		5	5	3/4	1	Brown Gravel Clay	Brown.
17		3/4		5	5	3/4	1	" " "	"
18		1		5	5	1	1	Med. Brown Gravel	"
19		1		5	5	1	1	" " "	
20		1		30	30	10	1	" " "	Increase Con
21		1		30	30	10	1	" " "	Loose, Wate
22		1		30	30	10	1	" " "	"
23		1		15	15	5	1	Grey Gravel + Clay	~~Light Brown~~
24		1		15	15	5	1	" " " "	" " "
25		1		15	15	5	1	" " " "	" "
26		1		15	15	5	1	" " " "	" "
27		1/2		5	5	3	1/2	Quartz Gravel	Loose Decrease
28		1/2		5	5	3	1/2	" "	"
29		1/2		5	5	3	1/2	" "	"
30		1/2		5	5	2	1/2	Quartz Gravel + Clay	"
		1/2		5	5	2	1/2	" " "	"
		1/2		10	10	1	1/2	Quartz Gravel Fine	Increase Con
33		1/2		10	10	1	1/2	" "	Loose
34		1/2		10	10	1	1/2	" "	"

CONTINUED ON PAGE 2

Date Commenced 8-8-52 Date Finished .....

Tract Carey + Bonnison Panner: Day G. L. Lewis Night .....

Drill Runner: Day R. Patton Night .....

Date ..... Shift ..... Line No. ..... Hole No. P.F. 114 Y Drill No. .....

Total Depth ..... Bedrock ..... Water Level .....

ABBREVIATIONS

T. TAILINGS
F. FINE
S. SAND
G. GRAVEL
CL. CLAY
ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

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DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1½		10	10	1	1	Quarts Gravel Fine	Loose
36		¾		10	10	1	2	" Some Clay	"
37		¾		10	10	1	2	" " "	"
38		¾		10	10	1	2	" " "	"
39		1		15	15	1	2	" Brown	Increase Cons
40		¾		5	5	½	2	" Gravel Clay	Decrease "
41		¾		5	5	½	2	" "	Tight Clay
42		¾		5	5	½	2	" "	"
43		1		25	25	15	1	Quarts Gravel Brown	Brown & Loose
44		1		20	25	15	1	Quarts Gravel Med.	Clean
45		1		25	25	15	1	" " "	Clean - Loose
46		1		20	25	15	1	" " "	" "
47		¾		5	5	5	½	Light Grey Sand Clean	Decrease Cons.
48		¾		5	5	5	½	" " " "	Clean & Loose
49		¾		8	7	8	¾	Med. Grey Gravel	" " "
50		¾		8	7	8	¾	" " "	" " "
51		1½		5	5	5	¾	Med. Gravel & Clay	Decrease Con
52		1½		10	10	10	¾	Med Gravel Grey	Loose. Increa
53		1½		10	10	10	¾	" " "	" "
54		1½		15	15	10	¾	" " "	Increase Con
55		¾		15	15	10	¾	" " "	Loose
56		1		15	15	10	¾	" " "	"
		1¾		15	15	10	¾	" " "	"
		¾		15	15	10	¾	" " "	"
59		¾		10	10	5	½	" " "	Decrease Co
60		¾		10	10	5	½	" " "	Clean & Loose
61		¾		10	10	5	½	" " "	" "
62		¾		15	15	8	¾	" " "	Increase Cons
63		1		20	20	8	¾	" " "	" "
64		1		20	20	8	¾	" " "	Loose
65		1		20	20	8	¾	" " "	"
66		1		20	20	8	¾	" " "	"
67									
68									

Date Commenced 8-8-52

Date Finished

Tract Carrey + Dennison

Panner: Day C. V. Loomis Night

Drill Runner: Day B. Patton Night

Date: Shift Line No.

Hole No. PF 114 Y Drill No.

Total Depth 68 Bedrock none

Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH

COSUMNES GOLD DREDGING CO.

Elev.

Coordinates

FIELD LOG

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DEPTH FEET	DEPTH IN	MZ LBS/YD³	AU LBS/YD³	Fe_2O_3 LBS/YD³	IL LBS/YD³	GR LBS/YD³	ZrO_2 LBS/YD³	FORMATION	REMARKS
1		1/2		5	5	1/2	1/2	Soil to Small Gravel	Loose
2		1/2		5	5	1/2	1/2	" " "	"
3		1/2		5	5	1/2	1/2	" " "	"
4		1/2		5	5	1/2	1/2	" " "	"
5		1/2		5	5	1/2	1/2	Small Gravel	Firm
6		1/2		5	5	1/2	1/2	" "	"
7		1/2		5	5	1/2	1/2	" "	Tight
8		1/2		5	5	1/2	1/2	" "	"
9		1/2		5	5	1/2	1/2	" "	"
10		1/2		5	5	1/2	1/2	" "	"
11		3/4		10	10	1	1/2	Med Grey Gravel	Firm. Increase C
12		3/4		10	10	1	1/2	" " "	"
13		3/4		10	10	1	1/2	" " "	"
14		3/4		15	15	1	3/4	Grey Gravel Sand	Loose. Increas
15		3/4		15	15	1	3/4	" " "	"
16		3/4		15	15	1	3/4	" " "	
17		3/4		15	15	1	3/4	" " "	
18		3/4		25	25	1	1	Med Grey Gravel	Firm, Increas
19		3/4		25	25	1	1	" " "	"
20		3/4		25	25	2	2	" " "	"
21		3/4		25	25	2	2	" " "	Loose Gravel
22		3/4		20	20	2	1	" " "	" "
23		3/4		20	20	2	1	" " "	Decrease Con
24		3/4		20	20	2	1	Med Brown Gravel	Loose Med Gravel Tight
25		3/4		20	20	2	1	" " "	"
26		3/4		20	20	2	1	" " "	"
27		3/4		20	20	2	1	" " "	"
28		3/4		15	10	1	3/4	" " "	Decrease Con.
29		3/4		15	10	3/4	3/4	" " "	" "
30		3/4		15	10	3/4	3/4	Med. Gravel & Clay	Fight.
31		3/4		15	10	3/4	3/4	" " "	"
32		3/4		15	10	3/4	3/4	" " "	"
33		3/4		15	10	3/4	3/4	" " "	"

Date Commenced 8/18/02

Date Finished Continued on Page 2

Tract Carey + Dennison

Panner: Day C.V. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. P.F. 115-Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY
S. SAND
G. GRAVEL
CL. CLAY
SM. SOME
ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM Page 1

FIELD LOG

Page 2 of PF 115

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1/4		5	5	TR	1	Grey SAND	Loose
36		1/4		20	20	1	2	" " + GRAVEL	INCREASE CONS.
37		1/4		20	20	10	3	" " "	Loose.
38		3/4		20	20	10	3	" " "	"
39		3/4		25	25	10	3	" " "	INCREASE CONS
40		3/4		25	25	10	3	" " "	Loose
41		3/4		25	25	10	3	" " "	"
42		3/4		15	15	5	2	" " "	Decrease CONS
43		3/4		10	10	3	1	" " "	Loose.
44		3/4		10	10	3	1	" " "	"
45		1/2		8	7	2	1	" " "	Decrease CON
46		1/2		8	7	3	1	" " "	Loose Med. G.
47		1/2		8	7	3	1	" " "	" " "
48		1/2		8	7	3	1	" " "	" " "
49		1/2		8	7	3	1	" " "	" " "
50		3/4		15	15	5	1	Yellow & Mary's Gravel	INCREASE CON
51		3/4		15	15	5	1	" " "	"
52		1/4		15	15	5	1	" " "	TIGHT
53		1/4		15	15	5	2	" " "	"
54		1		15	15	5	2	" " "	"
55		1		15	15	5	2	Large Dry Mt Gravel	"
56		1		25	25	10	3	" " "	INCREASE CON
57		1		10	10	5	1	Med Gravel + White Sand	DECREASE SLUFF
58								+ RUNNING	
59									

Date Commenced 8-11-92

Date Finished 8-12-92

Tract Carrey + Dennison

Panner: Day Cvl Coms Night

Drill Runner: Day B Parm Night

Date Shift Line No.

Hole No. PF 115-Y Drill No.

Total Depth 57 Bedrock None

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev. [redacted]

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF116

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		3/4		10	10	1/2	1/2	Some Top Silt & Med G	Firm
2		3/4		10	10	1/2	1/2	" " " " "	"
3		3/4		10	10	1/2	1/2	" " " " "	"
4		3/4		10	10	1/2	1/2	" " " " "	"
5		3/4		10	10	1/2	1/2	" " " " "	"
6		1/2		5	5	1/4	1/4	Clay	Decrease Cons
7		1/4		5	5	1/4	1/4	Clay	
8		1		10	10	1/2	1/2	Med G	Increase Cons.
9		1		10	10	1/2	1/2	" "	Firm
10		1/2		5	5	1/4	1/4	Granit Sand.	Decrease Cons
11		1/2		5	5	1/4	1/4	" "	Loose Sand
12		1/2		5	5	1/4	1/4	" "	"
13		1		20	20	1	1	Med Gravel	Firm Increase
14		1		20	20	1	1	" "	Co
15		1		20	20	1	1	" "	"
16		1		20	20	1	1	" "	"
17		1		20	20	1	1	" "	"
18		3/4		15	15	3/4	3/4	" " Muddy	Loose Decrea
19		3/4		15	15	3/4	1	" Loose " " "	Loose.
20		3/4		15	15	3/4	1	" " " " "	"
21		3/4		15	15	3/4	1	" " " " "	"
22		3/4		15	15	3/4	1	" " " " "	"
23		3/4		15	15	3/4	1	" " " " "	"
24		3/4		15	15	3/4	1	" " " " "	"
25		1		10	10	1/2	3/4	Small G + Sand + Clay	Water Loose
26		1/2		10	10	1/2	3/4	Clay + Some Sand	Tight
27		1/2		10	10	1/2	3/4	" " " "	"
28		1/2		10	10	1/2	3/4	" " " "	"
29		3/4		15	15	3/4	1	Increase Cons.	"
30		3/4		15	15	3/4	1	Med Gravel	"
31		3/4		15	15	3/4	3/4	" "	"
32		1/2		10	10	1/2	1/2	" "	Decrease Cons
33		1/2		10	10	1/2	1/2	" "	Tight
34		1/2		10	10	1/2	1/2	" "	Stuffing In

Date Commenced 8/12/54 Running Hole Date Finished 8/13/54

Tract Carey - Denison. Panner: Day L. Loomis Night

Hole to good pay

Drill Runner Day A. Potts Night

Date Shift Line No. Hole No. PF116Y Drill No.

Total Depth 34 Bedrock None Water Level 25 ft.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 117

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		2	3	TR.	0	Soil	STICKY
2		1/2		2	3	TR	0	"	"
3		1/2		2	3	TR	0	"	"
4		1/2		2	3	TR	0	"	"
5		1/2		2	3	TR	0	"	"
6		1/2		2	3	TR	0	"	"
7		1/2		2	3	TR	0	"	"
8		1/2		2	3	TR	0	"	"
9		1/2		2	3	TR	0	"	"
10		1/2		2	3	TR	0	Water & Gravel Mud.	"
11		3 1/2		10	10	1	TR	" " "	FIRM
12		3		5	5	2	"	Bed Rock - Granit	"

Date Commenced 8/13/52 Date Finished 8/13/52

Tract Carey + Dennison Panner: Day C. V. Loomis Night

Drill Runner: Day Barr Night

Date Shift Line No. Hole No. PF 117 Y Drill No.

Total Depth 13 FT Bedrock 12 FT Water Level 10 FT

ABBREVIATIONS

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF115

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		4		15	15	TR	1	Soft Tailed Gravel	Firm
2		4		15	15	TR	1	" " " "	" "
3		4		15	15	TR	1	" " " "	" "
4		4		15	15	TR	1	" " " "	Water Firm
5		4		15	15	TR	1	" " " "	" "
6		4		15	15	TR	1	" " " "	" "

Date Commenced 8/13/52

Date Finished 8/13/52

Tract Carey Dunmore

Panner: Day Collins Night

Drill Runner: Day [illegible] Night

Date 8/13/52 Shift Line No.

Hole No. PF 115 Y Drill No. 1

Total Depth 7 ft Bedrock 6 ft

Water Level 3 ft

ABBREVIATIONS

F. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page I of PE 1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		4		25	25	1	1	Sandy Some	
2		4		25	25	1	1	" "	Loose
3		4		25	25	1	1	Mud Gravel & Sand	"
4		4		25	25	1	1	" " "	"
5		4		25	25	1	1	" " "	"
6		2		15	10	1/2	1/2	" " "	"
7		2		15	10	1/2	1/2	" " "	"
8		2		15	10	1/2	1/2	" " "	
9		2		15	10	1/2	1/2	Clay Brown	
10		2		15	10	1/2	1/2	" " "	
11		1		10	10	1/4	1/4	Brown Sand	Loose
12		1		10	10	1/4	1/4	" "	
13		1		10	10	1/4	1/4	" "	
14		1		10	10	1/4	1/4	" "	
15		1		10	10	1/4	1/4	" "	
16		1		10	10	1/4	1/4	" "	
17		1		10	10	1/4	1/4	Gray Sand	
18		1		10	10	1/4	1/4	" "	
19		1		10	10	1/4	1/4	" "	
20		1		10	10	1/4	1/4	" "	
21		1/2		10	10	1	1	" "	
22		1/2		10	10	1	1	Gray Sand Md Gravel	Loose
23		1/2		10	10	1	1	" " " "	
24		1/2		10	10	1	1	" " " "	
25		1/2		10	10	1	1	" " "	
26		1/2		10	10	1	1	" " "	
27		1/2		10	10	1	1	" " "	
28		1/2		10	10	1	1	" " "	
29		1/2		15	15	3	2	" " "	Increase Gravel
30		1/2		15	15	3	2	" " "	
31		1/2		15	15	3	2	" " "	Water
32		1/2		15	15	3	2	" " "	
33		1/2		15	15	3	2	" " "	
34		1/2		15	15	3	2	" " "	

Date Commenced 8/14/52

Tract Gray & Dawson

Date ____ Shift ____ Line No. ____

Total Depth ____ Bedrock ____

Date Finished ____

Panner: Day Lewis Night ____

Drill Runner: Day Pete Night ____

Hole No. PE 118 X Drill No. ____

Water Level ____

CONTINUED on Page 2.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 P-119Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1		15	10	4	2	Med Grey Granite	Loose.
36		1		15	10	4	2	" " " "	"
37									
38									
39									
40									

Date Commenced 8/14/52

Date Finished 8/14/52

Tract Carrey - Denison

Panner: Day Columbus Night

Drill Runner: Day Patton Night

Date Shift Line No.

Hole No. P-119Y Drill No.

Total Depth 36 Bedrock None

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

Continued From Page 1 Page 2 of PF 12

FIELD LOG

DEPTH FEET	DEPTH IN	Mx 1 LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Cr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		2		5	5	5	1/2	Coarse Sand & small Gravel	Loose
36		2		5	5	5	1/2	" " "	" "
37		2		5	5	5	1/2	" " "	" "
38		1		5	5	5	1/2	" " "	" "
39		1		5	5	5	1/2	Bed Rock, Decomposed	"
40								" " "	" "

Hole Moved to Sand plant

8/15/52

Date Commenced 8/14/52

Date Finished 8/15/52

Tract Loomis

Panner: Day E. Loomis Night

Drill Runner: Day B. Patten Night

Date Shift Line No.

Hole No. PF 12 Drill No.

Total Depth 40 ft Bedrock 39 ft

Water Level on water.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
VERY

S. SAND
G. GRAV
CL. CLA
SM. SOM

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Eley.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2	[illegible]	10	10	TR	1	SANDY LOAM	FIRM
2		1/2		10	10	TR	1	"	"
3		1/2		10	10	TR	1	"	"
4		1/4		5	5	TR	1/2	MEDIAM GRAVEL	"
5		1/4		5	5	TR	1/2	"	"
6		1/4		5	5	TR	1/2	"	"
7		1/4		5	5	TR	1/2	"	"
8		1/4		5	5	TR	1/2	"	"
9		1/4		5	5	TR	1/2	"	"
10		1/4		5	5	TR	1/2	"	"
11		1/4		5	5	TR	1/2	GRANIT SAND + CLAY	"
12		1/4		5	5	1/2	1/2	GRANIT MED GRAVEL	"
13		1/4		5	5	1/2	1/2	"	"
14		1/4		5	5	1/2	1/2	"	"
15		1/4		5	5	1/2	1/2	"	"
16		1/4		5	5	1/2	1/2	"	"
17		1/4		5	5	1/2	1/2	"	"
18		1/4		5	5	1/2	1/2	"	"
19		1/4		5	5	1/2	1/2	"	"
20		1/4		5	5	1/2	1/2	"	"
21		1/4		5	5	1/2	1/2	"	"
22		1/4		5	5	1/2	1/2	"	"
23		1/2		5	5	1/2	1/2	"	"
24		1/2		5	5	1/2	1/2	"	"
25		1/2		5	5	1/2	1/2	"	"
26		1/2		5	5	1/2	1/2	"	"
27		1/2		5	5	1/2	1/2	"	"
28		1/2		5	5	1/2	1/2	GREY GRANIT SAND + MED GRAVEL	FIX
29		1/2		5	5	1/2	1/2	"	"
30		1/2		5	5	1/2	1/2	"	"
31		1/2		5	5	1/2	1/2	"	"
32		1/2		5	5	1/2	1/2	"	"
33		1/2		5	5	1/2	1/2	"	"
34		1/2		5	5	1/2	1/2	"	"

Date Commenced 8/14/52

Date Finished 8/18/52

Tract LOAMIS

Panner: Day C. V. LOAMIS Night

Drill Runner: Day J. PATTON Night

Date ..... Shift ..... Line No. .....

Hole No. RF 1 Eley Drill No. .....

Total Depth ..... Bedrock .....

Water Level .....

CONTINUED ON PAGE 2

ABBREVIATIONS

T. TAILING
F. FINE
C. COARSE
V. VERY
S. SAND
G. GRAVEL
CL. CLAY
SM. SOME
STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of 11

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		5-	5-	1	1	Silt + Granit Sand	Firm
2		1		5-	5-	1	1	" " " "	"
3		1		5-	5-	1	1	" " " "	"
4		2		5-	5-	3	1/3	Med Gravel	Tight
5		2		5-	5	5	1/3	" "	"
6		2		5-	5-	3	1/2	" "	"
7		2		5-	5-	5-	1	"	"
8		2		5-	5-	5-	1	Clay	"
9		2		10	10	5-	1	Med Gravel	"
10		2		10	10	5-	1	" "	"
11		2		10	10	5-	1	" "	"
12		2		10	10	5-	1	" "	"
13		2		10	10	5-	1	" "	"
14		2		10	10	5-	1	" "	"
15		2		10	10	5-	1	Med Granit Gravel	"
16		2		10	10	5-	1	" " "	"
17		2		10	10	5-	1	" " "	"
18		2		10	10	5-	1	" " "	"
19		2		10	10	5-	1	" " "	"
20		2		10	10	5-	1	" " "	"
21		2		10	10	5-	1	" " "	"
22		2		10	10	5-	1	" " "	Loose
23		2		10	10	5-	1	"	"
24		2		10	10	5-	1	Granit Sand	"

Date Commenced 8/15/52

Date Finished 8/15-52

Tract Loomis

Panner: Day C. Loomis Night

Drill Runner: Day W. Patter Night

Date 8/15/52 Shift Line No.

Hole No. Drill No.

Total Depth 24 Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

G. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

COSUMNES GOLD DREDGING CO.

Page 6 of 122 Y

Coordinates

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GA LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		TR		TR	5	3	1/4	Hydraulic Tailings	Fine Sand
1		TR		TR	TR	1/4	1/4	Soil	Fine Soil.
2		TR		TR		TR	TR		Loose
3		TR		TR		TR	TR		"
4		TR		TR		TR	TR		Watery.
5		1/2		5	5	1/4	1/4	Increase Cons.	"
6		1/2		5	5	1/2	1/4	" "	"
7		1/2		5	5	1	1/4	" "	"
8		1/2		5	5	5	1/4	" "	"
9		1/2		10	10	10	1/2	Increase Cons	"
10		1/2		20	20	15	1/2	Coarse Gravel	Tight Muck
11		1/2		20	20	15	1/2	" "	"
12		1/2		20	20	15	1/2	" "	"
13		1/2		20	20	15	1/2	" "	"
14		1/2		20	20	15	1/2	" "	"
15		1/2		20	20	15	1/2	" "	"

Date Commenced 8/15/22

Date Finished 8/16/5-22

Tract Lewis

Panner: Day C. V. Lewis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. PF 122 Y Drill No.

Total Depth 15 ft Bedrock None

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SH. SHALE

ST. STICKY
MD. MEDIUM
M. MUCK
L. LOOSE

Elev. ____ Coordinates ____

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 12

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZnO_2 LBS YD³	FORMATION	REMARKS
1		1/4		5	5	10	1	Soil	Firm
2		1/4		5	5	10	1	"	"
3		1/4		5	5	10	1	"	"
4		1/4		5	5	10	1	Coarse Gravel	Tight
5		1/4		5	5	10	1	" "	"
6		1/2		10	10	10	1	Increase cons	"
7		1/2		10	10	10	1	Coarse Gravel	Water
8		1/2		10	10	10	1	" "	Tight
9		1/2		10	10	10	1	" "	"
10		1/2		10	10	10	1	" "	"
11		1/2		10	10	10	1	" "	"
12		1	TR	10	10	25	1	" "	"
13		1	TR	10	10	20	1	" "	"
14		1	TR	10	10	20	1	" "	"
15		1	TR	10	10	20	1	Med Coarse Gravel	"
16		1		10	10	15	1	" "	"
17		1		10	10	15	1	" "	"
18		1		10	10	15	1	" "	"
19		1		10	10	15	1	Med Gravel + Some Clay	
20		1		8	7	15	1	Decrease Cons.	Tight
21		1		8	7	10	1	Sand + Med. Gravel	" "
22		1		10	10	10	1	" " "	" "
23		1		10	10	10	1	" " "	" "
24		3		15	15	10	1	Increase Cons.	Yellow Sand + G
25		3		15	15	10	1	Med Gravel	Loose
26		3		15	15	10	1	" "	"
27		3		15	15	10	1	" "	"
28		1		10	10	5	1	" "	"
29		1/4		8	7	3	1/2	Sand + Some Grant Gravel decrease	
30		1/4		8	7	3	1/2	" "	
31		1/4		8	7	3	1/2	Clay + Sand	Tight
32		1/4		8	7	3	1/2	Med Gravel + Sand	Firm.
33		1/4		10	10	4	1/2	" " "	Increase Cons
34		1/4		10	10	4	1/2	" " "	

Continued on page 2

Date Commenced 8/16/52 Date Finished ____

Tract Loomis. Panner: Day C. Loomis Night ____

Drill Runner: Day B. Patton Night ____

Date ____ Shift ____ Line No. ____ Hole No. PF 123 Drill No. ____

Total Depth ____ Rock ____ Water Level 7 ft

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
M. MUCK

S. SAND
G. GRAVEL
CL. CLAY
ST. STONE

ST. STICKY
MD. MEDIUM
M. MUCK

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 5

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		3/4		20	20	5	1	Med Gravel & Sand	Loose
36		3/4		20	20	5	1	" " "	"
37		3/4		20	20	5	1	" " "	"
38		3/4		20	20	5	1	" " "	"
39		3/4		20	20	5	1	" " "	"
40		3/4		20	20	5	1	" " "	"

1/4 left to be taken to sand plant on 8/19/52

Date Commenced 8/16/52

Date Finished 8/18/52

Tract Loomis

Panner: Day Loomis Night

Drill Runner: Day [illegible] Night

Date ..... Shift ..... Line No. .....

Hole No. PE 1237 Drill No. .....

Total Depth 40 ft Bedrock None

Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	PL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		15	10	3	2	Sandy Loam	Firm
2		1/2		10	10	5	2	"	"
3		1/2		10	10	5	2	Med Gravel	"
4		1/2		10	10	5	2	" "	"
5		1/2		10	10	5	2	Med. Gravel	"
6		1/2		10	10	5	2	"	"
7		1/2		10	10	5	2	Large Boulders	18" Boulders
8		1/2		10	10	5	2	" "	" Water
9		1/2		10	10	5	2	" "	"
10		1/2		10	10	3	1	Brown Sand + Med Gravel	Firm
11		3/4		15	15	3	1	Increase Cons "	" Tight
12		3/4		15	15	3	1	Med Gravel	"
13		1/2		10	10	2	1	Tight Sand	Fine Decre
14		1/2		10	10	2	1	Loose "	Loose } Sc
15		1/2		10	10	2	1	Sand + Small Gravel	Loose
16		1/2		10	10	2	1	" " "	"
17		1/2		10	10	2	1	" " "	"
18		1/2		10	10	2	1	" " "	"
19		1/2		10	10	2	1	" " "	"
20		1/2		10	10	2	1	" " "	"
21		1/2		5	5	1	1/2	Sand + Clay	Firm Decreas
22		1/2		5	5	1	1/2	" " "	" " "
23		1/2		5	5	1/2	1/2	Sand Some Small G.	Loose
24		1/2		5	5	1/2	1/2	" " " "	"
25		1/2		5	5	1/2	1/2	" " " "	"
26		1/2		5	5	1/2	1/2	" " " "	"
27		1/2		5	5	1/2	1/2	" " " "	"
28		1/2		5	5	1/2	1/2	" " " "	"
		1/2		5	7	1/2	1/2	" " " "	Increase Co
		1/2		10	10	1/2	1	" " " "	" "
30		1/2		10	10	1/2	1	" " " "	" "
31		1		25	25	2	2	" " " "	Increase Cons.
32		1		25	25	2	2	" " " "	"
33		1		25	25	2	2	" " " "	Loose.

Continued on Hole 2

Date Commenced 8/14/52 Date Finished

Tract Loomis. Panner: Day C. Loomis Night

Drill Runner: Day D. Patton Night

Date Shift Line No. Hole No. P-184-Y Drill No.

Total Depth Bedrock Water Level 8 ft.

ABBREVIATIONS

T. TAILINGS S. SAND ST. STICKY

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 1

FIELD LOG

DEPTH FEET	DEPTH IN	Mg LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		34		25	25	1	2	Granit Sand & Small G	Loose.
36		34		25	25	1	2	Clay & Sand.	Firm
37		34		20	20	1	2	Sand & Some Clay	Loose Decrea
38		34		20	20	1	2	" " " "	"
39		34		20	20	1	2	" "	"
40		34		25	25	1	2	Sand & Small G	Increase Co
41		34		25	25	1	2	" " "	" "

Date Commenced 3/15/52

Date Finished 3/19/52

Tract Comis.

Panner: Day Cavicchi Night

Drill Runner: Day Cotton Night

Date Shift Line No.

Hole No. PF12-7 Drill No.

Total Depth 41 ft. Bedrock 2

Water Level

ABBREVIATIONS

T. TAILINGS

F. FINE

S. SAND

G. GRAVEL

ST. STICKY

MD. MEDIUM

M. MUC

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of 2

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		5	5	3	1/4	SANDY LOAM	FIRM
2		1/4		5	5	3	1/4	COARSE GRAVEL	FIRM
3		1/4		5	5	3	1/4	COARSE & FINE GRAVEL	"
4		1/4		5	5	3	1/4	" " " "	"
5		1/4		5	5	3	1/4	" " "	"
6		1/4		5	5	3	1/4	" " "	"
7		1/4		5	5	3	1/4	RATHER BOULDERS & SAND.	LARG BOULDERS
8		1/4		5	5	3	1/4	" " "	" WATER
9		1/2		15	15	5	1/4	" " "	INCREASE CONS
10		1/2		20	20	5	1/4	MED GRAVEL	FIRM
11		1/2		20	20	5	1/4	" "	"
12		1		50	50	5	1	" "	"
13		1		50	50	5	1	" "	"
14		1		55	50	5	1	" "	"
15		1		50	50	5	1	" "	

Exceptional large Boulders of 15" to large to take from hole
Also a very large amount cons.

Top of Hole Taken to Sand
PLANT 8/20/52

Date Commenced 8/19/52 Date Finished 8/20/52

Tract LOOMIS Panner: Day C. VLOOMIS Night

Drill Runner: Day PETTY Night

Date Shift Line No. Hole No. RC 195 Drill No.

Total Depth 15 Bedrock none Water Level 8

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
S. SAND
G. GRAVEL
CL. CLAY
ST. STICKY
MD. MEDIUM
M. MUCH

Elev. ____

COSUMNES GOLD DREDGING CO.

Coordinates. ____

FIELD LOG

Page ____ of PF-1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		15	15	4	1	Sandy loam	Firm
2		1/2		15	15	4	1	" "	"
3		1/2		15	15	4	1	" "	"
4		1/2		15	15	4	1	Med & varis gravel	"
5		1/2		15	15	4	1	" " "	"
6		1/2		15	15	4	1	" " "	"
7		1/2		15	15	4	1	Sandy clay	Tight
8		1/2		15	15	4	1	" "	"
9		1/2		15	15	4	1	" "	"
10		1/2		15	15	4	1	" "	"
11		1/2		15	15	4	1	" "	"
12		1/2		15	15	4	1	" "	"
13		1/2		15	15	4	1	Red sandy clay	"
14		1/2		15	15	4	1	Red sandy clay	"
15		1/2		15	15	4	1	" " "	"
16		1/2		15	15	4	1	" " Some med gravel	
17		1/2		15	15	3	1	" " " "	"
18		1/2		15	15	3	1	" " " "	"
19		1/2		15	15	3	1	" " " "	"
20		1/2		15	15	3	1	Water. Sand & med gravel	
21		1/2		15	15	3	1	" clay & sand	Firm.
22		1/2		15	15	3	1	Sand & small g	"
23		1/2		15	15	3	1	" " "	"
24									
25				Sand very				loose & flowing. Drilled for	
				Two	hours			making no headway	
				Loose	sand & water.				
				1/4 of Hole	Taken to sand plant				
								Feb 52.	

Date Commenced 8/20/52

Date Finished 8/21/52

Tract Loom 15.

Panner: Day [illegible] Night ____

Drill Runner: Day [illegible] Night ____

Date ____ Shift ____ Line No. ____

Hole No. PF 1(2)

Drill No. ____

Total Depth 43 ft

Bedrock None

Water Level ____

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		5	5	2	1/2	Sandy Loam	Firm
2		1/4		5	5	2	1/2	Sand + Med Gr	"
3		1/4		5	5	2	1/2	" " "	Tight
4		1/4		5	5	2	1/2	" " "	"
5		1/4		5	5	2	1/2	" " "	"
6		1/2		10	10	3	1/2	" Increase cons.	"
7		1/2		10	10	3	1/2	" " "	"
8		1/4		10	10	3	1/2	Sandy Clay	"
9		1/4		5	5	2	1	" "	Decrease cons
10		1/4		5	5	2	1	" "	Tight.
11		1/4		5	5	2	1	" "	
12		1/4		5	5	2	1	" "	
13		1/2		10	10	3	1	Sand + Small Gr	Loose Increa
14		1/2		10	10	3	1	" " " "	"
15		1/2		10	10	3	1	" " " "	"
16		1/2		15	15	3	1	" " " "	Increase con
17		1/2		15	15	3	1	" " " "	Loose. Wet
18		1/2		15	10	3	1	" " " "	"
19		1/2		15	15	3	1	" " " "	"
20		1/2		15	15	3	1	" " " "	"
21		1/2		15	15	3	1	" " " "	"
22		1/2		15	15	3	1	Sand + Some Clay	Firm
23		1/2		15	15	3	1	" " Small Gravel	Loose
24		3/4		40	35	5	1/2	" " "	" Increase
25		3/4		40	35	5	1/2	" " "	"
26		1/4		10	10	2	1/4	Clay + Sand	Firm. Decrease
27		1/4		10	10	2	1/4	" "	"
28		1/4		5	5	1	1/4	Decrease cons. Clay	Tight.
29		1/4		5	5	1	1/4	Clay	"
30		1/4		5	5	1	1/4	"	"
31		1/4		5	5	1	1/4	"	"
32		1/4		5	5	1	1/4	"	"
33		1/4		5	5	1	1/4	"	"
34		1/4		5	5	1	1/4	"	"

Date Commenced 8/21/52

Date Finished 8/21/52

Tract Loomis.

Panner: Day C.V. Loomis Night

Drill Runner: Day R. Patton Night

Date Shift Line No.

Hole No. PF 127Y Drill No.

Total Depth 37 Bedrock

Water Level 16 ft

ABBREVIATIONS

TAILINGS

Continued on Page 2

ST. STICKY

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of PF 19

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	CR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		3/4		5	5	7	1/4	Gray Clay	
36		1/4		5	5	1	1/4	" "	
37		1/4		5	5	1	1/4	" "	
								1/4 of Hole taken to sand plant 8/22/52	

Date Commenced 8/21/52

Tract LOOMIS

Date Finished

Panner: Day C. Y. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. PF 127Y Drill No.

Total Depth 37 Bedrock none

Water Level 16

ABBREVIATIONS

T. TAIL
F. FINE
C. COA
V. VER

S. SAND
G. GRAVEL
CL. CLAY
BM. BOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of 14

DEPTH FEET	DEPTH IN	BS LBS YD³	AU LBS YD³	FeO_2 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		3		50	50	2	1	Sandy Loam	Firm
2		3		50	50	2	1	" "	"
3		2		50	50	2	1	" "	"
4		2		45	50	2	1	Med. Gravel	Tight
5		2		45	50	2	1		
6		2		45	50	2	1		
7		2		45	50	2	1		
8		2		45	50	2	1	Grey Sand [redacted]	Firm Clay
9		1		10	10	1	1		
10		1 1/2		15	15	1	1	Clean Grey Sand	Firm
11		1 1/2		15	15	1	1	" " "	"
12		1 1/2		15	15	1	1	" " "	"
13		2		15	15	2	1 1/2	" " "	"
14		2		15	15	2	1 1/2	" " "	"
15		1		5	5	1/2	1/4	Clay & Sand	" Decrease
16		1		5	5	1/2	1/4	Clay	"
17		1		15	15	1 1/2	1 1/4	Brown Sand & Clay	Increase Co
18		1 1/2		15	15	1 1/2	1 1/4	" " "	
19		1 1/2		15	15	1 1/2	1 1/4	Brown Sand	
20		1 1/2		15	15	2	1	Brown Sand & Silt	Firm.
21		1 1/2		15	15	2	1	" " "	"
22		1 1/2		15	15	2	1	Grey Sand	"
23		1 1/2		30	45	8	2	Med Gravel & Sand.	Increase
24		1		35	45	8	1 1/2	" Brown Gravel	"
[redacted]		1		35	45	8	1 1/2		"
[redacted]		1		15	15	4	1	Clay - Water	Tight Cl
[redacted]		1		15	15	4	1	"	
[redacted]		1		15	15	4	1	Clay & Br. Sand	Firm.
28		1		15	15	4	1	" " " "	"
[redacted]		1		15	15	4	1	" " " "	"
[redacted]		1		15	15	4	1	" " "	"
[redacted]		1		15	15	4	1	Small Med Gr. Clay	Firm.
[redacted]		1		15	15	4	1	" " " "	"
[redacted]		1		15	15	4	1	" " " "	"

Continued on Page 2

Date Commenced Aug 21/52

Date Finished

Tract Loomis

Panner: Day Cyr Loomis Night

Drill Runner: Day D. Patten Night

Shift Line No.

Hole No. PP 128 Y Drill No.

Depth Bedrock

Water Level 26 ft

ABBREVIATIONS

[redacted] TAILINGS

S. SAND

G. GRAVEL

CL. CLAY

ST. STICKY

MD. MEDIUM

M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 1

FIELD LOG

DEPTH FEET	DEPTH IN	MG LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
33		1		15	15	4	1	Med Gr. SAND & CLAY	FIRM
34		1		20	20	2	1	" " " " "	INCREASE CONT
37		1/4		15	15	2	1	" " " " "	DECREASE CONT
38		1/4		15	15	2	1	" " " " "	TIGHT
39		1/4		40	40	1	1	BROWN SAND & SMALL G.	FIRM INCR
40		1/2		25	25	1	2	" " " " "	INCREASE
41		1/2		25	25	1	2	" " " " "	" "
42								B. of Rock	
43								" "	
44								" "	
								" "	

Left Hole taken to Sand Plant

8/22/52

Date Commenced 8/21/52

Date Finished 8/22/52

Tract LOOM 15

Panner: Day C V LOOMIS Night

Drill Runner: Day R PATTON Night

Date Shift Line No.

Hole No. PF 148 Y Drill No.

Total Depth 44 ft Bedrock 41 ft

Water Level 26 ft

ABBREVIATIONS

S. SAND
G. GRAVEL
CL. CLAY
ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page I of PF12

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		2		30	30	1	4	Sandy Loam	Tight
2		2		30	30	1	4		"
3		2		30	30	1	4		"
4		2		30	30	1	4	Brow Sand & small G	Tight
5		2		30	30	1	4		"
6		2		30	30	1	4		"
7		2		40	40	8	4	" " + Med G	Firm. Fine C
8		2		40	40	8	4		"
9		2		40	40	8	4	Grey Sand + Med G	"
10		2		40	40	8	4	" " Coarse G	" Water
11		2		40	40	8	4	" " "	" "
12		2	TR	40	40	8	4	" " " "	" "
13		3		100	100	15	4	" " " "	Increase Cons.
14		3		100	100	15	4	" " " "	—
15		3		100	100	15	4	" Bed Rock " "	—

1/4 of Hole Taken To Sand plant on Aug 23, 52

Date Commenced 8/22/52

Tract Loomis - Ruby.

Date Finished 8/22/52

Panner: Day C. V. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. PF 129Y Drill No.

Total Depth 15 ft Bedrock 15 ft

Water Level 10 ft.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev. ____

Coordinates ____

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF1

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		15	15	8	1	Sandy Loam	Sandy Loam
2		1		15	15	8	1	" "	Fine.
3		1		15	15	8	1	Medum Gravel	"
4		1		15	10	8	1	" "	"
5		1		15	15	8	1	" "	"
6								Gr Brk	
7								" "	

Date Commenced 8, 23, 52

Date Finished 8, 23, 52

Tract Loomis

Panner: Day Loomis Night

Drill Runner: Day Patton Night

Date ____ Shift ____ Line No. ____

Hole No. ____ Drill No. ____

Total Depth 7 Bedrock 7

Water Level ____

ABBREVIATIONS

B. BOULDERS
P. PIKE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SH. SHALE

ST. STICKY
M. MEDIUM
MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS/YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		2		30	30	1	1	Coarse Gravel	Tight
2		2		30	30	1	1	" "	"
3		2		30	30	1	1	" "	"
4		1		20	20	1	1	Med Brown Gts.	Firm
5		1		20	20	1	1		"
6		1/4		5	5	1/4	1/4	Grey Granit Sand + G	" Decrease G
7		1/4		5	5	1/4	1/4	" "	"
8		1/4		5	5	1/4	1/4	" " "	"
9		1/4		5	5	1/4	1/4	Clay Grey	Tight
10		1/4		5	5	1/4	1/4	Grey Sand	
11		1/4		5	5	1/4	1/4	Clay Grey	Tight
12		1/4		5	5	1/4	1/4		"
13		1/4		5	5	1/4	1/4	"	"
14		1		30	30	1/4	1/2	Grey Sand Small Gravel	Loose. Increas
15		1		30	30	1/4	1/2	Brown Sand Gravel	
16		2		75	75	4	1	Grey Sand + Gravel	Increase
17		2		75	75	4	1	" "	"
18		2		75	75	4	1	" "	"
19		2		75	75	4	1	" "	
20		2		75	75	4	1	" "	
21		2		100	100	4	1	" "	Increase Co
22		3/4		25	25	2	1/2	Brown Sand + Gravel	Decrease, Co
23		3/4		25	25	2	1/2	" "	Loose.
24		3/4		25	25	2	1/2	Brown Sand	"
25		3/4		25	25	2	1/2	" " "	"
26		3/4		25	25	2	1/2	" "	"
27		3/4		25	25	2	1/2	Brown Sand & Small G.	"
28		1/2		20	20	1	1/2	Redish Brow Sand	Loose Decreas
29		1/2		20	20	1	1/2	Light " "	" Water.
30		1/2		20	20	1	1/2	" " "	"
31		1/2		20	20	1	1/2	" " "	"
32		1/2		20	20	1	1/2	" " "	"
33		1/2		20	20	1	1/2	" " "	"
34		1/2		20	20	1	1/2	" " "	"

Continued on Page 2.

Date Commenced 8/23/52 Date Finished

Tract Loomis. Panner: Day CY Loomis Night

Drill Runner: Day R Patton Night

Date Shift Line No. Hole No. Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY

ST. STICKY
MD. MEDIUM
M. MUCH

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM Page I

FIELD LOG

Page 2 of PF 131

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	CR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
33		1/4		15	15	1/4	1	SAND & SOME CLAY	Loose TIGHT
36		1/4		15	15	1/4	1	" " "	DECREASE, CONS
37		1/4		15	15	1/4	1	TIGHT CLAY	TIGHT
38		1/4		15	15	1/4	1	"	"
39		1/2		20	20	1	1	BROWN SAND & SMALL G	Loose INCREASE
40		1/2		25	25	1	1	GREY SAND & " "	" "
41		1/2		25	25	1	1	" " " "	"
42		1/2		25	25	1	1	" " " "	
43		1/2		25	25	1	1	GREY SAND & GRAVEL SOME CLAY	
44		1/2		25	25	1	1	" " " "	
45		1/2		25	25	1	1	" " " "	
46		1/2		25	25	1	1	" " " "	
47		2		100	100	2	2	" " & SMALL G	CLEAN & LOOSE INCR
48		2		125	125	8	2	" " " "	" " INCREASE
49		2		125	125	8	2	" " " "	" "
[illegible]		2		100	100	5	2	" " " "	DECREASE CONS
[illegible]		2		100	100	5	2	" " " "	LOOSE & CLEAN
52		2		75	75	5	2	" " " "	DECREASE CONS
53		1/2		50	50	5	1	" " " "	" "
54		1/2		50	50	5	1	" " " "	LOOSE
55		1/2		50	50	5	1	" " " "	"
56									
57									
58									
59									
60									

Hole taken to plant, 8/25/52

Date Commenced 8/13/52

Date Finished 8/25/52

Tract Loomis.

Panner: Day C.Y. Loomis Night

Drill Runner: Day R. Patten Night

Date

Shift

Line No.

Hole No. PF 131 Y

Drill No.

Total Depth 55 ft

Bedrock None

Water Level 29 ft

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of 1

Coordinates

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZnO_2 LBS YD³	FORMATION	REMARKS
1		1/2		40	40	8	1	Sandy Loam	Firm
2		1/2		40	40	8	1	" "	"
3		1/2		40	40	8	1	Blue Sand + Med G	Firm
4		1/2		40	40	8	1	" " " "	"
5		1/2		40	40	8	1	" " " "	"
6		1/2		40	40	8	1	" " " "	"
7		1/2		15	15	4	1/2	Brown Sand + Clay	Firm Decrease
8		1/2		15	15	4	1/2	" " "	"
9		1/2		15	15	4	1/2	" " "	"
10		1/2		15	15	4	1/2	" " "	"
11		1/2		15	15	4	1/2	" " "	"
12		1/2		15	15	4	1	Redish Brown Sand + Clay	Firm.
13		1/2		15	15	4	1	" " "	"
14		1/2		75	75	2	1	Grey Sand + Gravel	Firm. Increase
15		1/2		75	75	2	1	" " "	"
16		1/2		75	75	2	1	Grey Sand "	Loose.
17		1/4		15	15	1	1	Grey Sand	" Decrease
18		1/4		15	15	1	1	" "	"
19		1/4		15	15	1	1	" "	"
20		1/4		15	15	1	1	" "	"
21		1/4		15	15	1	1	Sand + Clay	Water.
22		1/4		15	15	1	1	Red Sandy Clay	Tight
23		1/4		15	15	1	1	Grey Sand + Small G	"
24		1/4		15	15	1	1	Brown Sand & Clay	"
25		1/4		15	15	1	1	" " "	"
26		1/4		15	15	2	1	Sand + Small G	Firm.
27		1/4		50	50	2	1	" " " "	"
28		1/4		50	50	2	1	" " " "	"
29		1/4		50	50	2	1	" " " "	"

Hole Taken to Sand plant 8/25/52

Date Commenced Aug 26-52

Date Finished Aug. 26-52

Tract Loomis

Panner: Day O. Loomis Night

Drill Runner: Day B. Patton Night

Date ..... Shift ..... Line No. .....

Hole No. P.F. 1524 Drill No. .....

Total Depth 29 ft Bedrock 29 ft

Water Level 21 ft

ABBREVIATIONS

TAILINGS

FINE

S. SAND

G. GRAVEL

CL. CLAY

ST. STICKY

MD. MEDIUM

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF

DEPTH FEET	DEPTH IN	MX LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Ga LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		15	15	8	1	Sandy Loam	Firm.
2		"		"	"	8	1		
3		1/4		60	60	8	1	Sand & Med. Gr	Firm Increa
4		1/4		60	60	8	1	" " " "	"
5		1/4		60	60	8	1	" " " "	"
6		1/4		60	60	8	1	" " " "	"
7		1/4		10	10	4	1	Sandy Clay Tight	" Decreased
8		1/4		10	10	4	1	" " " "	Tight.
9		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	" Decrease Co
10		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
11		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
12		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
13		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
14		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
15		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
16		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
17		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
18		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
19		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
20		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
21		1/4		15	15	1	1/4	Water. Brown Sand	Loose Increa
22		1/4		15	15	1	1/4	" " "	"
		1/2 of Hole Taken to sand plant							
								8,288.2	

Date Commenced Aug 26-52

Date Finished Aug 26/52

Tract Loomis

Panner: Day C. Loomis Night

Drill Runner: Day Patten Night

Date Shift Line No.

Hole No. PF 1337 Drill No.

Total Depth 22 ft

Water Level 21 ft

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCK
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 7 of PF 134

Re Dig Hole # DF 45

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1½		10	10	2	1	Sandy Loam	Firm.
2		1½		10	10	2	1	" "	"
3		1½		10	10	2	1	" "	"
4		1½		10	10	4	1	Med Gravel + Sand	"
5		1½		10	10	4	1	" " "	"
6		1½		10	10	4	1	" " "	"
7		1½		10	10	8	1	" " "	"
8		1½		10	10	8	1	" " "	Water.
9		1½		10	10	8	1	Med Coarse Gravel	Firm
10		1½		15	15	8	1	" " "	" Increase Co
11		1		50	50	8	1	Med Gravel	" Increase Cons.
12		1		50	50	8	1	" "	Firm.
13		3		75	75	8	2	" "	Increase Co
14		3		75	75	8	2	" "	Firm "
15		3		75	75	8	2	"	"
16		3		75	75	8	1	6" of Clay	Tight
17		2		40	40	6	1	Yellow Sand + Med G	Firm Decrease, B
18		1		40	40	6	2	Grey Sand + Med G	Loose.
19		1		40	40	6	2	" " " "	"
20		1		40	40	6	2	" " " "	"

Running in Clay Bed.

End Hole to Sand plant

8:22 52

Date Commenced Aug 26-52

Date Finished Aug 27/52

Panner: Day C. Loomis Night

Drill Runner: Day R. Patton Night

Shift Line No.

Hole No. PF 134 Drill No.

Dolt Bedrock None

Water Level 8 ft

ABBREVIATIONS

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME
ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of PF-B

DEPTH FEET	DEPTH IN	PT LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	OR LBS YD³	ZnO_2 LBS YD³	FORMATION	REMARKS
1		1/2		5	3	5	5	Sandy Loam	Firm.
2		1/2		5	3	5	1	" "	"
3		1/2		5	3	3	1	" "	"
4		1/2		5	3	3	1	" "	"
5		2		25	25	20	1	Med Gravel	Firm
6				25	25	20	1		"
7		2		25	25	20	1	Grey Sand	Loose.
8		1		10	10	8	1	" " Decrease	" Water.
9		1		10	10	8	1	" "	"
10									

Date Commenced Aug 27-58

Tract Loomis.

Date Shift Line No.

Total Depth Bedrock

Date Finished

Panner: Day C. Yeomans Night

Drill Runner: Day Patton Night

Hole No. PF 135 Y Drill No.

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SANDY
G. GRAVEL
CL. CLAY
SM. COBB

ST. STICKY
MD. MEDIUM
M. MUCK
L. LOOSE

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1953 Docket No. DMEA 2265 Contract No. 351
Operator's Name Cosumnes Gold Dredging Company Minerals Monazite, Columbium, Tantalum
Address P.O. Box 7, Redmountain, California
Contract Amount, $28,825.00 Government Participation: 90% Amount, $25,942.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	None	4,895.45	4,895.45			
Supervision	None	1,260.00	1,260.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber Gas & Oil	None	1,018.85	1,018.85			
Explosives Repairs	None	903.88	903.88			
Pipe Misc. Supplies	None	950.51	950.51			
Track Plant Supplies	None	73.22	73.22			
(4) Operating Equipment:						
Rental	None	750.00	750.00			
Purchase	551.50	2,600.00	3,151.50			
Depreciation	None	422.49	422.49			
(5) Initial Rehabilitation and Repairs	None	1,476.06	1,476.06			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	12.00	624.41	636.41			
Payroll Taxes	None	566.28	566.28			
Liability Insurance						
Accounting.	None	150.00	150.00			
(8) Contingencies (specify):						
Freight	None	8.52	8.52			
Freight	None	96.35	96.35			
Advertisement	12.18	None	12.18			
TOTALS Salvage	615.68	15,866.47	16,[illegible]			
	5,[illegible]		16,442.15			

I certify that the above bill is correct and that payment therefor has not been received.

Date April 6, 1953 *Payee COSUMNES GOLD DREDGING CO.

Per C. G. D. Co Title General Mgr.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$

Signature (Authorized Certifying Officer)

Date Vou. No. (See other side)

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person signing, the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April Through 1953 Docket No. DMEA 2243 Contract No. 351
Operator's Name Cosumnes Dredge Co. Minerals Monazite
Address Red Mountain Calif.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 4/2/53 Operator Cosumnes Dredge Co.
Per Merrill Yost Title Gen Manager

Remarks: No Work Done
Final Report

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

World's Largest Builders of Magnetic Equipment . . . . . Separation Headquarters since 1899

4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept 4, 1952

Testing Laboratory Report

MAGNETIC SEPARATION TEST No. PF -101Y 9034

TEST MADE FOR Consummes Gold DRedging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED sand WT. IN LBS. PER CU. FT.

SCREEN ANALYSIS

		%
Plus	20 Mesh	
Minus	20 Mesh plus 65 Mesh	
"	65 " " 100 "	
"	100 " " 150 "	
"	150 " " 200 "	
"	200 "	
		100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS EBK HIGH INTENSITY MAGNETIC SEPARATOR

PROD.	WEIGHT IN grams	% OF TOTAL WT.	REMARKS
A	113.	4.55	scalper 3/8" gap-Permanent Magnet-self-cleaning
B	869	35.10	1st Pole 1/8 gap - 2½ amps
C	387	15.60	2nd Pole 1/8 gap 7 amps
D	42	1.60	3rd Pole 1/8 gap 9 amps
E	1071	43.15	Tailings
F			
G			
H			
I			
J			
TOTALS	2482		

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Printed in U. S. A.
Form 8578 2M 8-49 W.B.

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

World's Largest Builders of Magnetic Equipment . . . . . Separation Headquarters since 1899

4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE ~~9035~~ Sept. 4, 1952

Testing Laboratory Report

MAGNETIC SEPARATION TEST No. PF 102 Y 9035

TEST MADE FOR Consumnes Gold Dredging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED sand WT. IN LBS. PER CU. FT.

SCREEN ANALYSIS

Plus	20	Mesh	. . . . .					%
Minus	20	Mesh	plus	65	Mesh	. . . . .		
"	65	"	"	100	"	. . . . .		
"	100	"	"	150	"	. . . . .		
"	150	"	"	200	"	. . . . .		
"	200	"	. . . . .					
								100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS EBK HIGH INTENSITY MAGNETIC SEPARATOR

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	978.5	24.6	Scalper 3/8 gap-self cleaning Perma Plate - 3/8 gap
B	1040.5	26.3	1st Pole - 1/8 gap -2½ amps
C	711.	18.9	2nd Pole - 1/8 gap - 7 amps
D	72.	1.8	3rd Pole - 1/8 gap - 9 amps
E	1164.	29.4	Tails
F			
G			
H			
I			
J			
TOTALS	3966		

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Printed in U. S. A.
Form 8578 2M 8 49 W 8

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

World's Largest Builders of Magnetic Equipment . . . . Separation Headquarters since 1899

4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

PF 103Y

MAGNETIC SEPARATION TEST No. 9036

TEST MADE FOR Consumer's Gold Dredging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED sand WT. IN LBS. PER CU. FT.

SCREEN ANALYSIS

	%
Plus 20 Mesh	
Minus 20 Mesh plus 65 Mesh	
" 65 " " 100 "	
" 100 " " 150 "	
" 150 " " 200 "	
" 200 "	
	100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	74	4.6	Scalper - 3/8 gap Dings self-cleaning Perma Plate-3/8 gap
B	439	27.6	1st Pole - 1/8 gap - 2½ amps [illegible]
C	301	18.3	2nd Pole - 1/8 gap 7 amps
D	51	3.2	3rd Pole - 1/8 gap 9.5 A.
E	728	45.7	Tails
F			
G			
H			
I			
J			
TOTALS	1593		

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Printed in U. S. A.
Form 8578 2M 8 49 W B

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

World's Largest Builders of Magnetic Equipment . . . . . Separation Headquarters since 1899

4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

MAGNETIC SEPARATION TEST No. PF-105Y 2037

TEST MADE FOR Consumer's Gold Dredging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED sand WT. IN LBS. PER CU. FT.

SCREEN ANALYSIS

		%
Plus	20 Mesh	
Minus	20 Mesh plus 65 Mesh	
"	65 " " 100 "	
"	100 " " 150 "	
"	150 " " 200 "	
"	200 "	
		100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS EBK HIGH INTENSITY MAGNETIC SEPARATOR

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	1587.	36.6	Scalper - 3/8 gap-Self cleaning Perma Plate - 3/8 gap
B	908	20.9	1st Pole - 1/8 gap 3.75 amps.
C	89.	2.0	2nd Pole - 1/8 gap - 5. amps -- 35 mesh
D	114.	2.6	2nd Pole - 1/8 gap - 5. amps -- 35 mesh
E	78.	1.8	3rd Pole - 1/8 gap - 10 amps
F	1569.	36.0	Tails
G			
H			
I			
J			
TOTALS	4345		

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Note that material taken from Pole "2" was screened to + 35, -35 mesh and appeared to separate the Garnett from the Ilmenite.

Printed in U. S. A.
Form 8578 2M 8-49 W.B.

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

World's Largest Builders of Magnetic Equipment . . . . . Separation Headquarters since 1899

4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

PF106Y

MAGNETIC SEPARATION TEST No. 9038

TEST MADE FOR Consumer Gold Dredging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED _____ WT. IN LBS. PER CU. FT. _____

SCREEN ANALYSIS

		%
Plus	20 Mesh	
Minus	20 Mesh plus 65 Mesh	
"	65 " " 100 "	
"	100 " " 150 "	
"	150 " " 200 "	
"	200 "	
		100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS HIGH INTENSITY EBK MAGNETIC SEPARATOR

Sample Total Wt. 4571

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	41.0	.9	Scalper 3/8 gap - self-cleaning Perma Plate 3/8 gap
B	1040.0	22.8	1st Pole 1/8 gap - 6 A
C	90.0	1.9	2nd Pole 1/8 gap -12A
D	3400.0	74.5	Tails
E			
F			
G			
H	74.	1.6	3rd Pole - 1/8 gap 2.75 A
I	274.	6.0	4th Pole - 1/8 gap - 5.A
J	348	7.6	Tails
TOTALS			

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Further Separated After Screening
762 grams + 65 Mesh, with visable garnett present
278 grams, - 65 Mesh, without vidable Garnett present.

K	28 grams	.6	5th Pole - 1/8 gap
L	92 grams	2.0	6th Pole - 1/8 gap
M	152 grams	3.3	Tails 1/8 gap

Printed in U. S. A.
Form 8578 2M 8-49 W.B.

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

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Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

PF 107-Y

MAGNETIC SEPARATION TEST No. 9039

TEST MADE FOR Consumnes Gold Dredging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED _____ WT. IN LBS. PER CU. FT. _____

SCREEN ANALYSIS

Plus	20	Mesh	. . . . .				%
Minus	20	Mesh	plus	65	Mesh	. . . . .	
"	65	"	"	100	"	. . . . .	
"	100	"	"	150	"	. . . . .	
"	150	"	"	200	"	. . . . .	
"	200	"	. . . . .				
							100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS EBK HIGH INTENSITY MAGNETIC SEPARATOR

Sample Total Wt. 8528

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	747	8.8	Self-cleaning Perma Plate 3/8 gap Scalper
B	2460	29.0	1st Pole - 1/8 gap - 6 amps
C	3461	40.0	2nd Pole - 1/8 gap -12 amps
D	1860	22.	Tails
E	152	1.7	"B" re-run. 3rd Pole -5/16 gap 2.75 amps
F	1506	17.6	4th Pole- 5/16 gap -5. amps
G	802	9.6	Tails
H			
I			
J			
TOTALS			

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Printed in U. S. A.
Form 8578 2M 8-49 W.B.

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

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MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

PF-108Y

MAGNETIC SEPARATION TEST No. 9040

TEST MADE FOR Consumer's Gold Dredging Company

ADDRESS Cascade, Idaho

MATERIAL TESTED _____ WT. IN LBS. PER CU. FT. _____

SCREEN ANALYSIS

		%
Plus	20 Mesh	
Minus	20 Mesh plus 65 Mesh	
"	65 " " 100 "	
"	100 " " 150 "	
"	150 " " 200 "	
"	200 "	
		100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS HIGH INTENSITY EBK MAGNETIC SEPARATOR

Sample Total Wt. 4145

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	1962	47.5	Scalpen-Self-Cleaning Perma Plate - 3/8" gap
B	971	23.5	1st Pole - 1/8 gap - 5 amps
C	64	1.6	2nd Pole - 1/8 gap 12 amps
D	1148	27.9	Tails
E	24	.6	Fraction "B" re-run 3rd Pole 5/16 gap - 2½ amps
F	460	11.1	4th Pole 5/16 gap - 5 amps
G	487	11.8	Tails
H			
I			
J			
TOTALS			

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Sample total weight: 4145

Printed in U. S. A.
Form 8578 2M 8-49 W B

Printed in U. S. A.
Form 8578 2M 8-49 W.B.

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

World's Largest Builders of Magnetic Equipment . . . . . Separation Headquarters since 1899

4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

PF-108Y

MAGNETIC SEPARATION TEST No. 9040

TEST MADE FOR Consumer's Gold Dredging Company

ADDRESS Cascade, Idaho

MATERIAL TESTED _____ WT. IN LBS. PER CU. FT. _____

SCREEN ANALYSIS

		%
Plus	20 Mesh	
Minus	20 Mesh plus 65 Mesh	
"	65 " " 100 "	
"	100 " " 150 "	
"	150 " " 200 "	
"	200 "	
		100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS HIGH INTENSITY EBK MAGNETIC SEPARATOR

Sample Total Wt. 4145

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	1962	47.5	Scalpen-Self-Cleaning Perma Plate - 3/8" gap
B	971	23.5	1st Pole - 1/8 gap - 5 amps
C	64	1.6	2nd Pole - 1/8 gap 12 amps
D	1148	27.9	Tails
E	24	.6	Fraction "B" re-run 3rd Pole 5/16 gap - 2½ amps
F	460	11.1	4th Pole 5/16 gap - 5 amps
G	487	11.8	Tails
H			
I			
J			
TOTALS			

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Sample total weight: 4145

Printed in U. S. A.
Form 8578 2M 8-49 W B

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

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4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

PF 109-Y

MAGNETIC SEPARATION TEST No. 9041

TEST MADE FOR Consumnes Gold Dredging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED _____ WT. IN LBS. PER CU. FT. _____

SCREEN ANALYSIS

		%
Plus	20 Mesh	
Minus	20 Mesh plus 65 Mesh	
"	65 " " 100 "	
"	100 " " 150 "	
"	150 " " 200 "	
"	200 "	
		100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS EBK HIGH INTENSITY MAGNETIC SEPARATOR

Sample Total Wt. 5406

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	1199	22.	Selfcleaning Perma Plate Scalper - 3/8 gap
B	2525	41.	1st Pole 1/8 gap 6 amps
C	66	1.2	2nd Pole 1/8 gap 12 amps
D	1616	29.5	Tails
E	18	3.1	"B" re-run +35 mesh 3rd pole, 5/16 gap - 2.75 amps
F	1144	21.	+35 mesh 4th pole, 5/16 gap - 5.5 amps
G	77	1.4	+35 mesh 5th pole, 5/16 gap - 12 amps
H	57	1.	+35 mesh Tails
I	90	1.7	-35 mesh 6th pole, 5/16 gap - 3.5 amps
J	596	10.9	- mesh 7th pole 5/16 gap - 5.5 amps
TOTALS K	464	8.5	-35 mesh 8th pole, 5/16 gap 12 amps
L	79	1.5	-35 mesh Tails

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Printed in U. S. A.
Form 8578 2M 8-49 W.B.

Dings MAGNETIC SEPARATION HIGH INTENSITY

DINGS MAGNETIC SEPARATOR CO.

World's Largest Builders of Magnetic Equipment . . . . . Separation Headquarters since 1899

4740 W. Electric Ave.
MILWAUKEE, WISCONSIN
Branches in All Principal Cities

DATE Sept. 4, 1952

Testing Laboratory Report

PF 110Y

MAGNETIC SEPARATION TEST No. 9042

TEST MADE FOR Consumnes Gold Dredging Co.

ADDRESS Cascade, Idaho

MATERIAL TESTED _____ WT. IN LBS. PER CU. FT. _____

SCREEN ANALYSIS

Plus	20	Mesh	. . . . .					%
Minus	20	Mesh	plus	65	Mesh	. . . . .		
"	65	"	"	100	"	. . . . .		
"	100	"	"	150	"	. . . . .		
"	150	"	"	200	"	. . . . .		
"	200	"	. . . . .					100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

DINGS EBK HIGH INTENSITY MAGNETIC SEPARATOR

Sample Total Wt. 4501

PROD.	WEIGHT IN	% OF TOTAL WT.	REMARKS
A	1673	37.1	Scalper-Self-cleaning Perma Plate, 3/8 gap
B	989	21.8	1st Pole 1/8 gap - 6 amps
C	50	1.1	2nd Pole 1/8 gap - 12 amps
D	1789	39.4	Tails
E	94	2.1	"B" Rerun 3rd Pole 5/16 gap 2.75 amps
F	614	13.6	4th Pole 5/16 gap 5.5 amps
G	144	3.2	5th Pole 5/16 gap 12.0 amps
H	137	3.0	Tails
I			
J			
TOTALS			

ALL PRODUCTS RETURNED TO ABOVE VIA: EXPRESS

NOTES:

Printed in U. S. A.
Form 8578 2M 8-49 W.B.

Elev.

Coordinates

COSUMNES GOLD DR[illegible]NG CO

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
[illegible]									

Date Commenced [illegible]

Date Finished [illegible]

Tract [illegible]

Panner: Day ..... Night .....

Drill Runner: Day ..... Night .....

Date ..... Shift ..... Line No. .....

Hole No. [illegible] Drill No. .....

Total Depth [illegible] Bedrock [illegible] Water Level [illegible]

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.
Cascade, Idaho.

Hole No. [illegible] Depth of Hole _____ Wt. Cons Cu. Yd. [illegible] Property ____ Date [illegible]

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 *20 %	-20*30 %	-30*50 %	-50*100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	4.89	—	4	10	3.2	3.3		
Ilmenite	38.98	40	40.0	40	40.0	35		
Garnet	12.75	40	40.0	20	10.0	2		
Zircon	2.58	—	—	—	2	7		
Monazite	4.30	—	3.0	2.0	4.0	8.		
Quartz	27.43	20	10.0	20.0	30	35		
Others	9.46	—	3	8	11	9.7		
Wt. in Mgs.	100	2.5	5.0	23.5	46.5	22.5		

Remarks:

M. Goss

Elev.

Coordinates

COSUMNES GOLD DREDGING CO

FIELD LOG

Page ____ of 102 Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZR OIL LBS YD³	FORMATION	REMARKS
8		1		33	30	3	1	Gravel & Sand	
9		1½		11	11	11	11	11 11	
10				[illegible]				[illegible]	
								[illegible]	
								[illegible]	

COSUMNES GOLD DREDGING CO.
Cascade, Idaho.

Hole No. [illegible] Depth of Hole [illegible] Wt. Cons Cu. Yd. [illegible] Property [illegible] Date [illegible]

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 *20 %	-20*30 %	-30*50 %	-50*100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ilmenite	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Garnet	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Zircon	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Monazite	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Quartz	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Others	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wt. in Mgs.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

Remarks: Magnetite and Ilmenite estimated at 1/4 ¢ /Lb.
(Iron ore is $8.00/ton and Ilmenite $18.00 to $25.00/ton)

Elev. [illegible]

Coordinates

COSUMNES GOL[illegible]EDGING CO

FIELD LOG

Page 1 of PF108Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
3		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
4		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
5		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14		1		1	15	3	1/2	"	Dec. Gran Cobbles Tight
15		1		1	16	2	Tr	Bedrock Soft Granite	

Good Dredging Gravel.
Digging Section 15 FT
Monazite Coarse
Blacks Ilmenite & Uranium?

1/4 of Mahogany sample taken to Sand Plant.
7/18/52

Date Commenced 7/18/52 [illegible] Date Finished 7/18/52 1st PM

Tract [illegible] Panner: Day Yost Night

Nr. Mary [illegible] Drill Runner: Day Bob Pattom Night

Date ..... Shift ..... Line No. ..... Hole No. PF 108Y Drill No. .....

Total Depth 15 Bedrock 14 1/2 Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

OGSUMMER GOLD DREDGING CO.
Cascade, Idaho.

Hole No. _____ Depth of Hole [illegible] Wt. of Cons. [illegible] Cu.Yd. Prop. ____ Date [illegible]

Screen analysis and Estimates

Mineral	Total Sample	-14*20	-20*30	-30 *50	-50*100	-100	Value Cu. Yd.
Magnetite	15.0	2	3	10	25	33	
Ilmenite	38	40	40	40	30	35	
Garnet	12	30	30	20	15	8	
Zircon	—	—	—	—	8	7	
Monazite	—	—	3	2	4	3	
Quartz	26	18	5	15	25	30	
Others	9						
Gold							
Wt. in Mgms.	100						

Values calculated in cents per Lb. Magnetite __ , Ilmenite __, Garnet __, Monazite__, Zircon____, Gold @35.00 dollars per Oz.

Remarks:

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of ~~PF-104Y~~ PF104Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		Tr		1/2	1	Tr	Tr	Surface Loam	
2		1/2		1	5	Tr	Tr	" "	
3		1		1	15	Tr	1/2	Gravel Sm. Clay	Same as
4		1		1	15	Tr	1/2	" " Clay	Hole PF-106-Y
5		2		1	20	1	1	" "	
6		1		1	20	1	1	" "	
7		2		1/2	30	1	1/2	" "	
8		1		1	15	1	1/2	Coarse Gravel	
9		3		10	75	3	1	" "	
10		3		5	60	2	2	" "	Half gravel
11		1		5	60	2	2	" "	12" cobbles
12		1		5	60	1	2	" "	"
13		1/2		2	50	1	3	" "	"
14		1		10	100	5	3	" "	"
15		1		5	30	3	1	Sand & Gr. Loose	change Gr. Med.
16		1		3	30	2	1	" "	"
17		1/2		100	10	5	1	" "	
18		1/2		60	10	5	1	" "	
19		1/2		30	5	3	1	" "	
20		1/2		20	3	5	2	Sand, Gr. + Clay	change
21		1		30	2	6	1	" "	
22		1		20	1	5	1/2	" "	
23		1		20	1	4	1	" "	
24		1		20	1	4	1	" "	
25		1		20	1	4	1	" "	
26		1		20	1	4	1	" "	
27									
28									

Date Commenced 7/18/52 - 2:00 PM

Date Finished

Tract Carey & Denison
1000' E - of Hole PF-106Y N. Road

Panner: Day Night

Drill Runner: Day Night

Date Shift Line No.

Hole No. Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S SAND
G GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD MEDIUM
M. MUCH
L LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING

FIELD LOG

Page 1 of (~~1708~~) P-105)

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZR O LBS YD³	FORMATION	REMARKS
1								[illegible]	
2								" "	
3								Blue Sand	
4		Less Gravel						Red Sand & Gravel	Less cons
5		2		1	2	2	2	" " "	Md " " Inc
6		1		1	2		1	" " "	" (illegible)
7		2		1	20	2	1	" " "	" "
8				1			2	" " "	Inc Mz
9		3		20	20	2	3	" " "	" "
10		2		20	20	2	2	Clay & Sand	
							3	Sandd & Inc Gravel	Less cons
					20	2	3	" " "	
								" " "	Inc Mz
		1		30	30	2	2	" " "	
		3		30	30	3	1	" " "	
		3		20	20	2	2	" " "	
		3		20	20		3	Red sand Md Gravel	
				20	20	2	3	" " " "	Inc Mz
				20	20	2	3	" " " "	
				20	20	3	1	Gray Clay	Less cons
21		1		20	30	2	2	Gray sand Md. Gravel	Inc cons
22		1		2	2	2	1	" " "	
23		3		20	20	2	4	Gray Clay some sand	Less cons
24		11		30	30	2	3	Medium Gravel sandy	Inc cons
25		4		35	35	2	5	Clay Gray Tight & Sticky	
26		5		40	40	2	5	Medium Gravel sand	Inc cons
27		Very little cons						Brk Gray Granite Tight & Sticky	

½ of Hole Taken to sand plant on 24 & 25th of July

Date Commenced 7/23/52 / 11:15 AM Date Finished 7/25/52

Tract Georg + Dunisan Paddy Flat Panner: Day ..... Night .....

Drill Runner: Day P. Patten Night .....

Date 7/23/52 Shift 1 Line No. ..... Hole No. ~~P-105~~ P-105 Drill No. 1

Total Depth 27 Bedrock 26 Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGIN

FIELD L

Page 1 of P/108Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1			1½	1	1½	Sandy top soil	
2		1			1½		1½	Large gravel some sand	
3		1			1½		1½	" " "	(Granit Boulders)
4		1			1½	½	1½	" " " "	" "
5		1			1½	½	½	Medium Gravel clear sand	(Granit & Quartz)
6		1			1½	½	1½	" " " "	" Gravel
7		1			1½	½	½	" " " "	
8		2			8	2	½	" " " "	(Water)
9		2			8	2	½	" " " "	Ine in Cons
10		2			8	2	½	Gray clay	
11		2			8	2	½	" "	
12		2			8	2	½	Medium Gravel	
13		2			8	2	½	" "	
14		2			8	2	½	" "	
15		2½			8	2	½	Gray clay	
16		2½			10	2	½	" " Sand with clay	
17		2½			10	2	½	" " " "	"
18		2½			10	2	½	Gray sand Medium Gravel	
19		2½			10	2	½	" " " "	"
20		2½			10	2	½	" " " "	"
								No Bed	
								Half hole for sample	
								taken to sand plant	
								on 7/19/52.	

Date Commenced Thy 19/52 12.30 Date Finished Thy 19/52 12.30 PM.

Tract Gray & Parsons Bdy Hay Panner: Day ..... Night .....

Drill Runner: Day P. Park Night .....

Date ..... Shift Line No. ..... Hole No. 108Y Drill No. .....

Total Depth 20 Bedrock No Water Level .....

T. TAILINGS
F. FINE
C. COARSE
V. VERY

ABBREVIATIONS

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Brown Pebbles	
2		1		10	10	1/2	1/2	Gray Sand	
3		1		10	10	1/2	1/2	" " Some Gravel	
4		1		10	10	1/2	1/2	Medium Clean Gravel	
5		1 1/2		10	10	1	1/2	" " "	
6		1 1/2		10	10	1	1/2	Large [illegible] Gravel	Carries a little
7		2		25	25	2	1/2	" " " "	Indians
8		2		[illegible]	25	2	1/2	" " "	Standing Good
9		2		30	25	2	1/2	Clay Pocket Gray (Tight)	
10		2		30	25	2	1/2	" " "	"
11		2		30	25	2	1/2	" " "	"
12		2		30	25	2	1/2	" Sand	
13		2		30	25	2	1/2	" "	
14		1		15	15	1	Tr.	" "	
15		1/2		10	10	1/2	Tr.	Sand + M Gravel	
16		1/2		10	10	0	Tr.	Clay	Tight + Sticky
17		1		10	10	1	Tr.	Medium Gravel	
18		1/4		5	5	[illegible]	Tr.	Clay [illegible]	Tight
19				[illegible]	[illegible]	[illegible]		Clay	"
20		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
22		2		[illegible]	[illegible]	[illegible]	[illegible]	" " "	" [illegible]
23		2		20	15	[illegible]	[illegible]	" "	"
24		2		20	10	[illegible]	[illegible]	" "	"
25		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " "	" (Water)
26		2		20	10	[illegible]	[illegible]	" " "	" "
27		2		15	10	1/2	1/2	[illegible]	Prop Casing Finished 7/26/52
28		"		"	"	"	"	Drop Casing	
29		"		"	"	"	"	" "	
30		"		"	"	"	"	" "	
31		1		"	"	"	"	" "	

Date Commenced [illegible] Date Finished [illegible]

Tract [illegible] Panner: Day [illegible] Night [illegible]

Drill Runner: Day [illegible] Night [illegible]

Date [illegible] Shift 1 Line No. [illegible] Hole No. 01 Drill No. 1

Total Depth 31 Bedrock 31 Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

COSUMNES GOLD DREDGING CO.
Cascade, Idaho.

Hole No. 107Y Depth of Hole 31' Wt. Cons/Cu. Yd. 61# Property P.F Date 7/27/52

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14 +20 %	-20+30 %	-30+50 %	-50+100 %	-100 %	Lbs. Cu. Yd.	Value. Cu. Yd.
Magnetite	18.98	2	20	34	11	6		
Ilmenite	30.19	30	40	26	36	25		
Garnet	5.42	30	12	3	3	Tr		
Zircon	.67	—	—	Tr	0.5	3		
Monazite	.43	—	—	0.5	0.5	0.5		
Quartz	40.60	35	22	33	45	60		
Others	4.26	3	6	3.5	4	5.5		
Wt. in Mgs.	100	4.2	9.7	35.4	34.1	16.6		

Remarks:

Sample: 6138 Lbs Dry Wt.
Total Cons: 124 Lbs — 2.02%
Au 10.7¢/yd³

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PFIORY

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/3		15	15	1/2	1/4	[illegible]	
2		1/3		15	15	1/2	1/4	[illegible]	
3		1		15	15	1/2	1/4	Coarse Gravel + Sand	[illegible]
4		1		15	15	1/2	1/4	" " "	" "
5		1		15	15	1/2	1/4	Clean Sand	
6		1/3		15	15	1/2	1/4	" "	
7		1/3		15	15	1/2	1/4	" "	
8		1/3		15	15	1/2	1/4	" "	
9		1/3		15	15	1/2	1/4	" "	
10		1/3		15	15	1/2	1/4	" "	
11		1/3		15	15	1/2	1/4	Fine Sand Large Gravel	
12		1/2		15	15	1/2	1/4	" " " "	
13		1/2		15	15	1/2	1/4	Large Gravel (Quartz) Tight	
14		1/2		15	15	1/2	1/4	" " " Tight	
15		3/4		15	15	1/2	1/2	" " "	
[illegible]		1		[illegible]	[illegible]	1		[illegible]	
[illegible]		1		[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]
[illegible]		1		[illegible]	[illegible]	1	[illegible]	Brown Sand	
[illegible]		1		[illegible]	[illegible]	1	[illegible]	" "	
[illegible]		1		[illegible]	[illegible]	1	[illegible]	" " [illegible]	
[illegible]		1		[illegible]	[illegible]		[illegible]	" " " "	
[illegible]		1		[illegible]	[illegible]	1	[illegible]	" " " "	
[illegible]		1		[illegible]	[illegible]		[illegible]	" " " "	
[illegible]		1 1/2		15	15	1	[illegible]	" " " "	
23		1 1/2		15	15	1	1/2	" " " "	
23								Blue Gray Gravel	
		Brk							
		Bedrock 10 Sand Pack							
								7/28/52	

Date Commenced [illegible] Date Finished [illegible]

Tract [illegible] Panner: Day [illegible] Night [illegible]

[illegible] Drill Runner: Day [illegible] Night [illegible]

Date [illegible] Shift 1 Line No. [illegible] Hole No. [illegible] Drill No. 1

Total Depth [illegible] Bedrock [illegible] Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

COSUMNES GOLD DREDGING CO.
Cascade, Idaho.

Hole No 108 Depth of Hole ~~[illegible]~~ 26' Wt. Cons/Cu. Yd. 30.6 Property P.F. Date 7/19/52

Screen Analysis and Microscopic Estimates

Mineral	Total Sample %	-14*20 %	-20*30 %	-30*50* %	-50*100	*100 Cu.Yd.	Value. Cu. Yd.
Magnetite	40.2	40.0	40.0	40.0	45.0	25.0	
Ilmenite	18.8	20.0	20.0	20.0	20.0	10	
Garnet	10.22	25.0	20.0	15.0	2.0	1.0	
Zircon	.95	—	—	—	1.0	5.0	
Monazite	.46	0.5	0.3	0.5	0.5	0.5	
Quartz	23.0	10.0	15.0	15.0	25.0	55.0	
Others	6.62	4.5	4.8	9.5	6.5	3.5	
Wt. in Mgs.	100	6.0	17.0	30.0	35.0	12	

Remarks: FAT .11 Mg Au. Cons
1¢/yd³ Au.

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of 109

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION		REMARKS
1		1/2		10	10	3	1/2	Sandy Loam		
2		1/2		"	"	3	1/2	" "	"	
3		1/2		10	10	3	1/2	Gravel		
4		1/2		10	10	3	1/2	"	Tight	Few Cobbles
5		1/2		10	10	3	1/2	"	"	
6		1/2		10	10	3	1/2	"	" Large	Boulders
7		1/2					1/2	"	" "	" "
8							1/2	"	" "	" "
9								"	" "	" "
10								"	" "	" "
11								"	" "	" "
12								"	" "	" "
13								"	" "	" (Cobbles)
14		1/2		20	20	20	2	"	" "	"
15		1/2		15	20	5	1	"	" "	Coarse
16		1/2		15	20	5	1	"	" "	" "
17		1/2		15	20	5	1	"	" "	" "
18		1/2		15	20	5	1	"	" "	" "
19		1/2		15	20	5	1	"	" "	" "
20				15	20	5	1	"	" "	" "

Date Commenced 7/25/ 1230 Date Finished [illegible]

Tract [illegible] Panner: Day Night

Drill Runner: Day [illegible] Night

Date [illegible] Shift Line No. Hole No. 109 Drill No. 1

Total Depth [illegible] Bedrock Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES [illegible]LD DREDGING CO.

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		10	10		1/2	Brown sand Md Coarse	Quartz
2		1		10	"		1/2	" " "	"
3		1		10	10		1/2	" " " "	"
4		1		10	10		1/2	" " " "	"
5		1		10	10	1/4	1/2	" " " "	
6		1		10	10	1/4	1/2	" " " "	"
7		1		10	10	1/4	1/2	" " " "	"
8		1		10	10	1/4	1/2	" " " "	"
9		1		10	10	1/4	1/2	" " " "	"
10		1 1/2		15	15	1/4	1/2	" " " "	"
11		1 1/2		15	15	1/4	1/2	" " " "	"
12		1 1/2		15	15	1/4	1/2	Sand Sme Sm Gravel	
13		1 1/2		15	15	1/4	1/4	" " "	"
14		1 1/2		15	15	1/4	1/4	" " "	"
15		1 1/2		15	15	1/4	1/4	" " "	"
16		1		10	10	1/4	1/4	" " "	"
17		1		10	10	1/4	1/4	Clean Gray Sand	
18		1		10	10	1/4	1/4	" " "	
19		1		10	10	1/4	1/4	" " "	
20		1		10	10	1/4	1/4	" " "	
21		1		15	15	1/4	1/2	Clean sand small Gravel (Inc Sess	
22		1		35	35	T	1/2	" " "	"
23		1		35	35	T	1/2	" " "	"
24		1		35	35	T	1/4	" " "	"
25		1 1/2		35	35	T	1	" " "	" Inc MZ
26		1 1/2		35	35	T	1	" " "	"
27		1 1/2		35	35	T	1	" " "	"
28		1 1/2		35	35	T	1	" " "	"
29		1		35	35	T	1/2	Yellow sand SM Gravel	
30		1		35	35	T	1/2		
31		1		35	35	T	1/2	Gray sand + Gravel	
32		1		35	35	T	1/2	" " "	
33									
34									

Date Commenced [illegible] Date Finished

Tract [illegible] Panner: Day Night

Drill Runner: Day Night

Date Shift Line No. Hole No. Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS	S SAND	ST STICKY
F. FINE	G GRAVEL	MD MEDIUM
C. COARSE	CL. CLAY	M MUCH
V. VERY	SM SOME	L LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page of

DEPTH FEET	IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
13		1		15	15	1	1½	Sand & Md Gravel	
16		1		15	15	1	1½	" " "	
17		1		15	15	1	1½	" " "	
19		1		15	15	1	1	" " "	
								" " "	
23		1		25	25	1	1	Gray Clay	
25		1		25	25	1	1	Coarse Gravel	
[illegible]		1		25	25	1	1	" " "	+Sand
33		1		25	25	1	1	Yellow sand + coarse Gravel	
[illegible]		1		25	25	1	1	" " "	" "
47		1		25	25	1	1	" " "	" "
45		1		25	25	1	1	" " "	" "
[illegible]		1		25	25	1	1	" " "	" "
6		1		25	25	1	1	" " "	" "

Drilled to 85 Ft. cons increased with depth.
M. Yorl.

Date Commenced ..... Date Finished .....

Tract ..... Panner: Day ..... Night .....

Drill Runner: Day ..... Night .....

Date ..... Shift Line No. ..... Hole No. ..... Drill No. .....

Total Depth ..... Bedrock ..... Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

CONSUMNES GOLD DREDGING CO.

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
41		1		[illegible]	[illegible]	1	1	Brown Sand Md Gravel	
42		1		25	30	1/2	1	" " "	
43		1		[illegible]	[illegible]	[illegible]	1	" " " Coarse Gravel	
44		1		[illegible]	[illegible]	1	1	" " " "	"
45		1		30	30	1/2	1	" " " "	"
46		1		30	30	1/2	1	" " " "	"
47		1		30	30	1/2	1	" " " "	"
48		1		30	30	1/2	1	" " " "	"
49		1 1/4		40	40	1/2	1	" " " "	" INC Coars
50		1 1/4		40	40	1/2	1	" " " "	"
51		1		40	40		1	Sand Brown	
52		1		40	40	1/2	1 1/2	" "	Damp Sticky
53		1		25	25	1/2	1 1/2	" "	
54		1		25	25	1/2	1 1/2	" "	
55		1		25	25	1/2	1 1/2	" "	[illegible]
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
75		1		75	75	3	3	" " "	[illegible] Cl.
76		2		60	60	3	2	" " "	light Cl.
77		2		60	60	3	2	" " "	
78		2		60	60	3	2	Clean Quartz Gravel	(water)
79		2		60	60	3	2	" " "	"
80		2		60	60	3	2	Sand Md Gravel	
81		2		60	60	3	2	" " "	
82		2		60	60	3	2	" " "	
83		2		60	60	3	2	" " "	
84									

Date Commenced ..... Date Finished .....

Tract ..... Panner: Day ..... Night .....

Drill Runner: Day Bob Patton Night .....

Date ..... Shift Line No. ..... Hole No. ..... Drill No. .....

Total Depth ..... Bedrock ..... Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO

FIELD LOG

Page 1 of PF111Y

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2									
3									
4									
5									
6									
7									
8									
9								[illegible]	
10									
11									
12									
[illegible]				[illegible]	[illegible]				
[illegible]		1		[illegible]			1		
[illegible]								[illegible] sand	
[illegible]									
[illegible]									
[illegible]		1		30	30				
[illegible]		1		[illegible]	[illegible]			Sand & gravel	"
[illegible]		1					1		
[illegible]							1	" "	
[illegible]							1	" "	
[illegible]							1	" "	
[illegible]		3/4		25	25			" "	"
25		3/4		25	25		1	" " " "	"
26		3/4		25	25		1½	" " " "	"
27		3/4		25	25		1½	" " " "	"
28		1		25	25	2	2	" " " "	"
29		1		25	25	2	2	" " " "	"
30		1		25	25	2	2	" " " "	"
31		1		25	25	2	2	" " " "	"
32		1		25	25	2	2	" " " "	"
33		1		30	30	2	2	" " " "	"
34		1		30	30	2	2	" " " "	"

Date Commenced 8-4-52

Date Finished

Tract Coney & Yernison

Panner: Day C. Lewis Night

Drill Runner: Day W. Bick Night

Date 8-4-52 Shift Line No.

Hole No. 111Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of 11

DEPTH FEET	IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1½		30	40	3	3	Med gravel	Firm
36		1½		"	"	"	"	"	
37		1½		"	"	"	"	"	
38		1½		30	40	3	3	"	Increase M.3
39		1½		30	40	3	3	"	"
40		1½		30	40	3	3	"	Firm
41		2		30	40	4	3	Med. & Med. Gravel	Increase M.3
42		2		30	40	4	3	"	Firm
43		2		30	40	4	3		"
44		2		30	40	4	3		"
45		2		30	40	4	3	"	"
46		2		35	40	3	3	"	
47		2		60	40	3	3	"	Increase. Cons.
48								"	Firm.
49					40	3	3	"	"
50		2		60	40	3	5	"	Increase Zr.
51		2		60	40	3	5	"	Firm.
52		2		60	40	3	5	"	"
53		2		60	40	3	5	"	"
54		2		60	40	3	5	"	"
55		2		60	40	3	5	"	"
56		2		60	40	3	5	"	"
57		2		60	40	4	5	"	
58		2		60	40	4	5	"	
59		2		60	40	4	5	"	
60		2		70	50	4	5	"	Firm Increase. Cons.
61		2½		70	60	4	5	"	" " "
62		2½		70	60	4	5	"	
63		2½		70	60	4	5	"	" " " " Wet
64		3		100	100	5	7	"	Increase Cons.
65		3		100	100	5	7	"	Firm.
66		3		100	100	5	7	Clay & Sand	"
67		3		50	50	3	5	"	Decrease. Cons.
68		3		50	50	3	5	Granit & Sand	Firm.

Date Commenced ..... Date Finished .....

Tract Carey & Dennison

Panner: Day C. Lorenzi Night .....

Drill Runner: Day R. Patton Night .....

Date 8-4-22 Shift Line No. ..... Hole No. 111Y Drill No. .....

Total Depth ..... Bedrock ..... Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
69		3		50	50	3	5	Granit & gr sand	Fine
70		3		50	50	3	5	" " " "	"
71		3		50	50	3	5	" " " "	"
72		3	12	50	50	3	5	" " " "	"
73		3		50	50	3	5	" " " "	"
74		2½		50	45	2	5	" " " "	"
75		2½		50	45	2	5	" " " "	"
		3		50	50	6	5	" " " "	"
		3		50	50	6	6	" " " "	"
		3		50	50	6	6	" " " "	"

½ sample
taken to plant 8/7/52

Hole about 200 ft west from sign board on Sloan Point Trail.

Date Commenced 8-4-52

Date Finished 8-6-52

Tract Carey & Dennison

Panner: Day C. V. Loomis Night

Drill Runner: Day R. Patton Night

Date ..... Shift ..... Line No. .....

Hole No. 111 Y Drill No. .....

Total Depth 78 Bedrock No Bedrock

Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

COSUMNES GOLD DREDGING CO.
Cascade, Idaho.

Hole No. _____ Depth of Hole 101.0 Wt. of Cons. _____ Cu. Yd. Prop. _____ Date _____

Screen analysis and Estimates

Mineral	Total Sample	-14*20	-20*30	-30 *50	-50*100	-100	Value Cu. Yd.
Magnetite	46.0%	lbs. 46.					
Ilmenite	13.8%	13.8					
Garnet	5.7%	5.7					
Zircon	1.4%	1.4					
Monazite	1.4%	1.4					
Quartz	31.7%	31.7					
Others							
Gold							
Wt. in Mgms.							

Values calculated in cents per Lb. Magnetite 11½, Ilmenite 3.2, Garnet 15.0 Monazite 22.0 Zircon 3.5, Gold @35.00 dollars per Oz.

Remarks: 55.2 ¢ Cu. Yd.

Elev. ____ COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		5	5	TR	1	GRANIT SAND	TIGHT.
2		1/2		5	5	"	1	" "	"
3		1/2		5	5	"	1	" "	"
4		1/2		5	5	"	1	" "	"
5		1/2		3	2	"	1/4	" "	"
6		1/2		3	2	"	1/4	" "	"
7		1/2		3	2	"	1/4	" "	"
8		1/2		3	2	"	1/4	" "	"
9		1/2		3	2	"	1/4	" "	"
10		1/2		3	2	"	1/4	" "	"
11		1/2		3	2	"	1/4	" "	"
12		1/2		3	2	"	1/4	" "	"
13		1/2		3	2	"	1/4	" "	"
14		1/2		3	2	"	1/4	" "	"
15		1/2		3	2	"	1/4	" "	"
16		1/2		3	2	"	1/4	" "	"
17		1/2		3	2	"	1/4	" "	"
18		1/2		3	2	"	1/4	" "	"
19		3/4		4	3	"	1/2	" "	"
20		3/4		4	3	"	1/2	" "	"
21		3/4		4	3	"	1/2	" "	Gravel Large (Med)
22		3/4		4	3	"	1/2	GRANIT SAND G	" " Coarse
23		3/4		4	3	"	1/2	" " "	" " "
24		3/4		4	3	"	1/2	" " "	" " "
25		1 3/4		5	5	"	1/2	" " "	" " "
26		1		5	5	"	3/4	" " "	" " "
27		1		5	5	"	3/4	" " "	" " "
28		1		5	5	"	3/4	" " "	" " "
29		1		15	10	2	1/2	" " "	" " "
30		1		15	10	2	1/2	" " "	" " "
31		1		5	5	2	1/4	" " "	" " "

This Hole is located about 50# East of Mark on Tree (Dated 10/27/51. This Tree is marked Z.1Y. Sample Taken From CUT By Tree 11/27/51

Date Commenced 8-6-52 Date Finished 8-6-52

Tract CARRY & DENNISON Panner: Day C. V. Loomis Night

Drill Runner: Day B Payton Night

Date Shift Line No. Hole No. 112Y Drill No.

Total Depth 31 Bedrock 31 Water Level no water

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Eley.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF113Y

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		2	4	1	1/4	GRAVEL SANDY	TIGHT
2		1/4		1		1/4	1/4	" " "	" "
3		1/4		1/4	1/4	1/4	1/4	" " "	" "
4		1		2	3		1/4	" " "	"
5		1		1	1		1	" " "	"
6		1		2	2		1/4	" " "	"
7		1			3			" " "	"
8		1			3			" " "	"
9		1				1/4		" " "	"
10		1				1/4		" " "	"
11								" " "	"
12								GRAVEL SANDY CLAY	"
12		1		2	4	TR.	1/2	" " "	LOOSE
13				3	4	TR	1/2	GRAVEL SAND	"
14				3	4	TR	1/2	" "	"
15				3	4	TR	1/2	" " "	"
16				3	4	TR	1/2	" "	"
17				4	3	TR	1/2	" " SM. GT. G.	DECREAS. CONS.
18		1		4	3	"	1/2	" " " "	LOOSE.
19		1		4	3	"	1/2	" " " "	"
20		1		4	3	"	1/2	" " " "	"
21		1		4	3	"	1/2	" " " "	"
22		1		4	3	"	1/2	" " " "	"
23		1		4	3	"	1/2	" " " "	"
24		1/2		3	3	"	1/2	" " " "	DECREASE CONS
25		1/2		3	3	"	1/2	" " " "	" "
26		1		6	5	1	1/2	BROWN GRAVEL S. G.	INCREASE CONS.
27		1/2		3	3	1/2	1/2	" " S	DECREASE " LOOSE.
28		1/2		3	3	1/2	1/2	" " "	" " "
29		1/2		3	3	1	1/2	GRAY GRAV SAND	" " "
30		1/2		3	3	1	1/2	"	" " "
31		1		1	5	1	1	GRAVEL MED. COARSE	INCREASE CONS
32		1		3	3	1	1	" " "	DECREASE "
33		1		3	3	1	1	" " "	" "
34		1/2		6	6	1	1/2	" " "	INCREASE "

CONTINUED ON PAGE-2

Date Commenced 8-7-22

Tract CARREY & DENNISON

Date Finished

Panner: Day C. V. LOOMIS Night

Drill Runner: Day B. PATTON Night

Date Shift Line No.

Hole No. PF113Y Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Continued From Page 2 of PF113Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1		5	5	1	1	Gravel Med Coarse	Loose
36		1		5	5	1	1	" " "	"
37		1		5	5	1	1	" " "	"
38		1		5	5	1	1	" " "	"
39		1½		7	5	1	1½	Brow Sand & Gravel	"
40		1½		7	5	1	1½	" " "	"
41		1½		7	5	1	1½	" " "	"
42		1½		5	5	1	1½	" " "	"
43		1½		5	5	1	1½	" " "	"
44		1½		5	5	1	1½	" SM. CL.	STICKY
45		1½		5	5	1	1½	Brown Sand " "	Water.
46		1½		2½	2½	TR.	1½	" " "	STICKY
47		1½		2½	2½	"	1½	" " "	" No water
48		1½		3	3	"	1½	" " "	" "
49		1½		4	3	"	1½	Increase CONST	" "
50		1½		4	3	"	1½	" "	" "
51		1½		4	3	"	1½	" "	" "
52		1½		4	3	"	1½	" "	" "
53		1½		4	3	"	1½	" "	" "
54		1½		4	3	"		Med. Gravel	Loose "
55		1½		50	50	"	1½	" "	" "
56		1½		50	50	"	1½	" "	" "
57		1½		50	50	"	1½	" "	" "
58		1½		50	50	"	1½	" "	" "
59		1		45	35	"	1½	Decrease Cons.	" Some water
60		1		45	35	"	1½	"	" "
61		1		45	35	"	1½	Granite Sand	
62		1		45	35	"	1½	"	"
63		3/4		45	35	1	2	" " Some Clay	"
64		3/4		25	25	1	4	" " "	Decrease Cons
65		3/4		25	25	1	4	Med Gravel	Loose.
66		3/4		25	25	1	4	" "	"
67		3/4		25	25	1	4	" "	"
68		3/4		25	25	1	4	" "	"

Date Commenced 8-7-52

Date Finished Continued on Page 3

Tract Carey & Dennison.

Panner: Day C. V. Loomis Night

Drill Runner: Day B. Patton Night

Date ..... Shift ..... Line No. .....

Hole No. PF 113Y Drill No. .....

Total Depth [redacted] Bedrock none

Water Level 45 FT

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO. Continued From Page 2

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
69		½		25	25	1	4	Med Gravel	Loose.
70		½		25	25	1	4	" "	"

Date Commenced 8-7-52

Date Finished 8-8-52

Tract Carvey & Dennison

Panner: Day C. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. PF 113Y Drill No.

Total Depth 70 Bedrock None

Water Level 45 FT

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 114Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
		1		8	7	1	1	[illegible]	[illegible]
		1		8	7	1	1	" " "	" "
		1		8	7	1	1	" " "	" "
		1		8	7	1	1	" " "	" "
		1		8	7	1	1	" " "	" "
		1		8	7	1	1	" " "	" "
		3/4		8	4	1	1	" " "	" "
		3/4		8	4	1	1	Fine Gravel Clay	
9		3/4		8	4	1	1	" "	"
10		3/4		8	4	1	1	Sand	"
11		3/4		5	4	1	1	Fine Gravel	Brown
12		3/4		8	7	1	1	Grey "	Grey
13		3/4		8	7	1	1	" "	"
14		3/4		8	7	1	1	" "	"
15		3/4		8	7	1	1	" "	"
16		3/4		5	5	3/4	1	Brown Gravel Clay	Brown.
17		3/4		5	5	3/4	1	" " "	"
18		1		5	5	1	1	Med. Brown Gravel	"
19		1		5	5	1	1	" " "	
20		1		30	30	10	1	" " "	Increase Cons
21		1		30	30	10	1	" " "	Loose, Water.
22		1		30	30	10	1	" " "	"
23		1		15	15	5	1	Grey Gravel & Clay	~~Light Brown~~
24		1		15	15	5	1	" " " "	" "
25		1		15	15	5	1	" " " "	" "
26		1		15	15	5	1	" " " "	" "
27		1/2		5	5	3	1/2	Quartz Gravel	Loose Decreased
28		1/2		5	5	3	1/2	" "	"
29		1/2		5	5	3	1/2	" "	"
30		1/2		5	5	2	1/2	Quartz Gravel & Clay	"
31		1/2		5	5	2	1/2	" " "	"
32		1/2		10	10	1	1/2	Quartz Gravel Fine	Increase Con.
33		1/2		10	10	1	1/2	" "	Loose
34		1/2		10	10	1	1/2	" "	"

CONTINUED ON PAGE 2

Date Commenced 8-8-52 Date Finished

Tract Carey & Dennison Panner: Day S. Vlodnis Night

Drill Runner: Day B. Patton Night

Date Shift Line No. Hole No. P.F. 114Y Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING C

FIELD LOG

Page 2 of PF-114Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
29		1/4		10	10	1	1	Quarts Gravel Fine	Loose
36		3/4		10	10	1	2	" " Some Clay	"
37		3/4		10	10	1	2	" " " "	"
38		3/4		10	10	1	2	" " " "	"
39		1		15	15	1	2	" " " Brown	Increase Cons
40		3/4		5	5	1/4	2	Quarts Gravel Clay	Decrease "
41		3/4		5	5	1/4	2	" " "	Tight Clay
42		3/4		5	5	1/4	2	" " "	" "
43		1		25	25	15	1	Granite-Quarts Med.	Brown Loose Increase Cons
44		1		25	25	15	1	Quarts Gravel Med.	Clean
45		1		25	25	15	1	" " "	Clean-Loose
46		1		25	25	15	1	" " "	" "
47		3/4		5	5	5	1/4	Light Grey Sand Clean	Decrease Cons.
48		3/4		5	5	5	1/4	" " " "	Clean-Loose.
49		3/4		8	7	8	3/4	Med. Grey Gravel	" " "
50		3/4		8	7	8	3/4	" " "	" " "
51		1/2		5	5	5	3/4	Med. Gravel & Clay	Decrease Cons.
52		1/2		10	10	10	3/4	Med Gravel Grey	Loose. Increased
53		1/2		10	10	10	3/4	" " "	" "
54		1/2		15	15	10	3/4	" " "	Increase Con.
55		3/4		15	15	10	3/4	" " "	Loose
56		3/4		15	15	10	3/4	" " "	"
57		3/4		15	15	10	3/4	" " "	"
58		3/4		15	15	10	3/4	" " "	"
59		3/4		10	10	5	1/4	" " "	Decrease Cons.
60		3/4		10	10	5	1/4	" " "	Clean-Loose.
61		3/4		10	10	5	1/4	" " "	" "
62		3/4		15	15	8	3/4	" " "	Increase Cons
63		1		20	20	8	3/4	" " "	" "
64		1		20	20	8	3/4	" " "	Loose
65		1		20	20	8	3/4	" " "	"
66		1		20	20	8	3/4	" " "	"
67									
68									

Date Commenced 8-8-52

Tract Carrey + Dennison

Date ..... Shift ..... Line No. .....

Total Depth 68 Bedrock none

Date Finished .....

Panner: Day C.V. Loomis Night .....

Drill Runner: Day B. Parton Night .....

Hole No. PF 114 Y Drill No. .....

Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page I of PF115Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		5	5	1/2	1/2	Soil + Small Gravel	Loose
2		1/2		5	5	1/2	1/2	" "	"
3		1/2		5	5	1/2	1/2	" " "	"
4		1/2		5	5	1/2	1/2	" " "	"
5		1/2		5	5	1/2	1/2	Granit Gravel	Firm
6		1/2		5	5	1/2	1/2	" "	"
7		1/2		5	5	1/2	1/2	" "	Tight
8		1/2		5	5	1/2	1/2	" "	"
9		1/2		5	5	1/2	1/2	" "	"
10		1/2		5	5	1/2	1/2	" "	"
11		3/4		10	10	1	1/2	Med Grayish Gravel	Firm. Increase Cons
12		3/4		10	10	1	1/2	" "	"
13		3/4		10	10	1	1/2	" "	"
14		3/4		15	15	1	3/4	Grey Granit Sand	Loose. Increase Cons
15		3/4		15	15	1	3/4	" " "	"
16		3/4		15	15	1	3/4	" " "	
17		3/4		15	15	1	3/4	" " "	
18		3/4		25	25	1	1	Med Grey Gravel	Firm, Increase Cons
19		3/4		25	25	1	1	" " "	"
19		3/4		25	25	2	2	" " "	"
20		3/4		25	25	2	2	" " "	Loose Gravel
21		1/2		20	20	2	1	" " "	" "
22		1/2		20	20	2	1	" " "	Decrease Cons.
23		1/2		20	20	2	1	" " "	Loose Med Gravel
24		1/2		20	20	2	1	Med Brown Gravel	Tight
25		1/2		20	20	2	1	" " "	"
26		1/2		20	20	2	1	" " "	"
27		1/2		20	20	2	1	" " "	"
28		1/2		15	10	1	1/2	" " "	Decrease Cons
29		1/4		15	10	3/4	1/4	" " "	" "
30		1/4		15	10	3/4	1/4	Med. Gravel + Clay	Fr Tight.
31		1/4		15	10	3/4	1/4	" " "	"
32		1/4		15	10	3/4	1/4	" " "	"
34		1/4		15	10	3/4	1/4	" " "	"

Date Commenced 8/11/52

Date Finished Continued on Page 2

Tract Carey + Dennison

Panner: Day C. Loomis Night

Drill Runner: Day B. Patton Night

Date ..... Shift Line No. .....

Hole No. PF 115Y Drill No. .....

Total Depth ..... Bedrock .....

Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM Page 1

FIELD LOG

Page 2 of PF 115-Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1/4	0	5	5	TR	1	Grey SAND	Loose
36		1/4		20	20	1	1/2	" " + GRAVEL	INCREASE CONS.
37		1/4		20	20	10	3	" " "	Loose.
38		3/4		20	20	10	3	" " "	"
39		3/4		25	25	10	3	" " "	INCREASE CONS
40		3/4		25	25	10	3	" " "	Loose
41		3/4		25	25	10	3	" " "	"
42		3/4		15	15	5	2	" " "	DECREASE CONS.
43		3/4		10	10	3	1	" " "	Loose.
44		3/4		10	10	3	1	" " "	"
45		1/2		8	7	2	1	" " "	DECREASE CONS
46		1/2		8	7	3	1	" " "	Loose Med. G.
47		1/2		8	7	3	1	" " "	" " "
48		1/2		8	7	3	1	" " "	" " "
49		1/2		8	7	3	1	" " "	" " "
50		1/2		15	15	5	1	Yellow & Grays Gravel	INCREASE CONS
51		1/2		15	15	5	1	" " "	"
52		1/2		15	15	5	1	" " "	TIGHT
53		1/2		15	15	5	2	" " "	"
54		1		15	15	5	2	" " "	"
55		1		15	15	5	2	Large Sand Gravel	"
56		1		20	20	10	3	" " "	INCREASE CONS.
57		1/2		10	10	5	1	Med Gravel & White Sand	DECREASE SLUFF & RUNNING
58									
59									
60									

Date Commenced 8-11-52

Date Finished 8-12-52

Tract CARREY + DENNISON

Panner: Day CULLOMIS Night

Drill Runner: Day B PATTON Night

Date Shift Line No.

Hole No. PF 115-Y Drill No.

Total Depth 57 Bedrock None

Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PFIILY

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		3/4		10	10	1/2	1/2	Some Top Soil + Med G	Firm.
2		3/4		10	10	1/2	1/2	" " " " "	"
3		3/4		10	10	1/2	1/2	" " " " "	"
4		3/4		10	10	1/2	1/2	" " " " "	"
5		3/4		10	10	1/2	1/2	" " " " "	"
6		1/2		5	5	1/2	1/2	Clay	Decrease Cons
7		1/4		5	5	1/4	1/4	Clay	
8		1		10	10	1/2	1/2	Med G	Increase Cons.
9		1		10	10	1/2	1/2	" "	Firm
10		1/2		5	5	1/4	1/4	Granit Sand.	Decrease Cons.
11		1/2		5	5	1/4	1/4	"	Loose Sand
12		1/2		5	5	1/4	1/4	"	" "
13		1		20	20	1	1	Med Gravel	Firm Increase
14		1		20	20	1	1	" "	" Cons
15		1		20	20	1	1	" "	"
16		1		20	20	1	1	" "	"
17		1		20	20	1	1	" "	"
18		3/4		15	15	3/4	3/4	" " Muddy	Less Decrease
19		3/4		15	15	3/4	1	" Loose " " "	Loose.
20		3/4		15	15	3/4	1	" " " " "	"
21		3/4		15	15	3/4	1	" " " " "	"
22		3/4		15	15	3/4	1	" " " " "	"
23		3/4		15	15	3/4	1	" " " " "	"
24		3/4		15	15	3/4	1	" " " " "	"
25		1/2		10	10	1/2	3/4	Small G + Sand + Clay	Water Loose.
26		1/2		10	10	1/2	3/4	Clay + Some Sand	Tight
27		1/2		10	10	1/2	3/4	" " " "	"
28		1/2		10	10	1/2	3/4	" " " "	"
29		3/4		15	15	3/4	1	Increase Cons.	"
30		3/4		15	15	3/4	1	Med Gravel	"
31		3/4		15	15	3/4	3/4	" "	"
32		1/2		10	10	1/2	1/2	" "	Decrease Cons
33		1/2		10	10	1/2	1/2	" "	Tight
34		1/2		10	10	1/2	1/2	" "	Sluffing In.

Date Commenced 8/12/52 Run 1/4 Hole Date Finished 8/13/52

Tract Carvey - Dennison. Panner: Day Lomis Night

Drill Runner: Day Night

1/4 Hole toward plant

Date Shift Line No. Hole No. PFIILY Drill No.

Total Depth 34 Bedrock None Water Level 25 ft.

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF117Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		4		2	3	TR.	0	Soil	STICKY
2		4		2	3	TR	0	"	"
3		1/2		2	3	TR	0	"	"
4		1/2		2	3	TR	0	"	"
5		1/2		2	3	TR	0	"	"
6		1/2		2	3	TR	0	"	"
7		1/2		2	3	TR	0	"	"
8		1/2		2	3	TR	0	"	"
9		1/2		2	3	TR	0	"	"
10		1/2		2	3	TR	0	Water & Gravel Mud.	"
11		3 1/2		10	10	1	TR	" " "	FIRM
12		3		5	5	2	"	Bed Rock - Granite	"

Date Commenced 8/13/52

Date Finished 8/13/52

Tract Cayey + Dennison

Panner: Day C. Loomis Night

Drill Runner: Day B. Ritch Night

Date Shift Line No.

Hole No. PF 117Y Drill No.

Total Depth 13 FT Bedrock 12 FT

Water Level 10 FT

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		4		15	15	TR	1	[illegible]	[illegible]
2		4		15	15	TR	1	" " " "	" "
3		4		15	15	TR	1	" " " "	" "
4		4		15	15	TR	1	" " " "	[illegible]
5		4		15	15	TR	1	" " " "	" "
6		4		15	15	TR	1	" " " "	" "

Date Commenced [illegible]

Date Finished [illegible]

Tract [illegible]

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date [illegible] Shift Line No.

Hole No. [illegible] Drill No. 1

Total Depth [illegible] Bedrock [illegible]

Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF 119 J

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		4		25	25	1	1	Sandy Loam	
2		4		25	25	1	1	" " "	Loose
3		4		25	25	1	1	Med Coarse Sand	"
4		4		25	25	1	1	" " "	"
5		4		25	25	1	1	" " "	"
6		2		15	10	1½	1½	" " "	"
7		2		15	10	1½	1½	" " "	"
8		2		15	10	1½	1½	" " "	
9		2		15	10	1½	1½	" " "	
10		2		15	10	1½	1½	" " "	
11		1		10	10	¼	¼	Fine Sand	Loose
12		1		10	10	¼	¼	" "	
13		1		10	10	¼	¼	" "	
14		1		10	10	¼	¼	" "	
15				10	10	¼	¼	" "	
16		1		10	10	¼	¼	" "	
17		1		10	10	¼	¼	Coarse Sand	
18		1		10	10	¼	¼	" "	
19		1		10	10	¼	¼	" "	
20		1		10	10	¼	¼	" "	
21		1		10	10	¼	¼	" "	
22		1½		10	10	1	1	" "	
23		1½		10	10	1	1	Med Sand	Loose
24		1½		10	10	1	1	" "	
25		1½		10	10	1	1	" "	
26		1½		10	10	1	1	" "	
27		1½		10	10	1	1	" "	
28		1½		10	10	1	1	" "	
29		1½		10	10	1	1	" "	
30		1½		15	15	5	2	" "	Water Gravel
31		1½		15	15	5	2	" "	
32		1½		15	15	5	2	" "	Water
33		1½		15	15	5	2	" "	
34		1½		15	15	5	2	" "	
35		1½		15	15	5	2	" "	

Date Commenced [illegible]

Date Finished

Tract [illegible]

Panner: Day Night

Drill Runner: Day Night

Date Shift Line No.

Hole No. PF 119 J Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

CONTINUED on Page 2.

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of 4

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1		15	10	4	2	Med Grey Granite	Loose.
36		1		15	10	4	2	" " "	"
37									
38									
39									
40									

Date Commenced 8/14/52

Date Finished 8/16/52

Tract Carey-Denison

Panner: Day Cosumnes Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. [illegible] Drill No.

Total Depth 36 Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		12	[illegible]	10	10	TR	1	Sandy Loam	Firm
2		12		10	10	TR	1	"	"
3		12		10	10	TR	1	"	"
4		11		5	2	TR	½	Med [illegible] Gravel	"
5		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
6		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
7		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
8		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
9		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
10		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
11		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] sandy clay	"
12		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	"
13		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
14		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
15		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
16		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
17		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
18		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
19		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
20		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
21		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
22		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
23		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
24		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
25		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
26		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
27		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
28		[illegible]		5	[illegible]	[illegible]	[illegible]	Grey [illegible] sand [illegible]	[illegible]
29		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
30		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
31		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
32		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
33		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
34		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"

Date Commenced [illegible]

Date Finished 8/18/52

Tract [illegible]

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. [illegible] Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

Continued ~~From~~ on page 2

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]				[illegible]		[illegible]		[illegible]	[illegible]

Date Commenced [illegible]

Date Finished [illegible]

Tract [illegible]

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. [illegible] Drill No.

Total Depth [illegible] Bedrock [illegible]

Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		5-	5-	1	1	Silt & Gravel Sand	Fine
2		1		5-	5-	1	1	" " " "	"
3		1		5-	5-	1	1	" " " "	"
4		2		5-	5-	3	1½	Med Gravel	Tight
5		2		5-	5-	3	1½	" "	"
6		3		5-	5-	3	1½	" "	"
7		3		5-	5-	5-	1	" "	"
8		3		5-	5-	5-	1	Clay	"
9		2-		10	10	5-	1	Med Gravel	"
10		2		10	10	5	1	" "	"
11		2		10	10	5	1	" "	
12		2-		10	10	5	1	" "	"
13		2-		10	10	5	1	" "	"
14		2-		10	10	5	1	" "	"
15		2-		10	10	5	1	Med Gravel Sand	"
16		2		10	10	5	1	" " "	"
17		2		10	10	5	1	" " "	"
18		2		10	10	5	1	" " "	"
19		2		10	10	5	1	" " "	"
20		2		10	10	5	1	" " "	"
21		2		10	10	5	1	" " "	"
22		2-		10	10	5	1	" " "	Loose
23		2-		10	10	5	1	"	"
24		2-		10	10	5	1	Granite Sand	"

Date Commenced [illegible] Date Finished [illegible]

Tract [illegible] Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date [illegible] Shift Line No. Hole No. Drill No.

Total Depth [illegible] Bedrock Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev. [illegible]

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION		REMARKS
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
1		TR		T.	T.	[illegible]	[illegible]	Soil		[illegible]
2		TR		TR		TR	TR			LOSE
3		TR		TR		TR	TR			"
4		TR		TR		T.	T.			[illegible]
5		T.		T	T	[illegible]	T.	TALYWASE [illegible]		"
6		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"	"
7		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"	"
8		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"	"
9		[illegible]		[illegible]	10	10	[illegible]	TALYWASE GRAVEL		"
10		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	COARSE GRAVEL		[illegible]
11		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"		
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"		
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"		
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"	

Date Commenced [illegible]

Date Finished [illegible]

Tract [illegible]

Panner: Day [illegible] Night [illegible]

Drill Runner: Day [illegible] Night [illegible]

Date Shift Line No. [illegible]

Hole No. [illegible] Drill No.

Total Depth [illegible] Bedrock [illegible]

Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev. [illegible]

Coo[illegible]es

COSUMNES GOLD DREDGING CO[illegible]

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		[illegible]		2	[illegible]	10	1	Soil	Firm
[illegible]		[illegible]		[illegible]	2	10	1	"	"
3		[illegible]		3	5	10	1	"	"
4		[illegible]		4	5	10	1	Coarse Gravel	Tight
5		[illegible]		5	5	10	1	"	"
6		[illegible]		10	10	15	1	Increase Cons	"
7		[illegible]		10	10	10	1	Coarse Gravel	Water
8		[illegible]		10	10	10	1	" "	Tight
9		[illegible]		11	10	10	1	" "	"
10		[illegible]		11	10	10	1	" "	"
11		[illegible]		10	10	10	1	" "	"
12		1	TR	10	10	25	1	" "	"
13		1	TR	10	10	20	1	" "	"
14		1	TR	10	10	20	1	" "	"
15		1	TR	10	10	20	1	Med Coarse Gravel	"
16		1		10	10	15	1	" "	"
17		1		10	10	15	1	" "	"
18		1		10	10	15	1	" "	"
19		1		10	10	15	1	Med Gravel + Some Clay	
20		1		8	7	10	1	Decrease Cons.	Tight
21		1		5	7	10	1	Sand + Med. Gravel	" "
22		1		10	10	10	1	" " "	" "
23		1		10	10	10	1	" " "	" "
24		3		15	15	10	1	Increase Cons.	Yellow Sand + Gravel
25		3		15	15	10	1	Med Gravel	Loose
26		3		15	15	10	1	" "	"
27		3		15	15	10	1	" "	"
28		1		10	10	5	1	" "	"
[illegible]		[illegible]		8	7	3	[illegible]	Sand + Some Gravel, Decrease Cons	
[illegible]		[illegible]		8	7	3	[illegible]	" "	
31		[illegible]		8	7	3	[illegible]	Clay + Sand	Tight
32		[illegible]		8	7	3	[illegible]	Med Gravel + Sand	Firm.
33		[illegible]		10	10	4	[illegible]	" " "	Increase Cons.
34		[illegible]		10	10	4	[illegible]	" " "	

CONTINUED ON PAGE 2

Date Commenced [illegible] Date Finished

Tract [illegible]

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. [illegible] Drill No.

Total Depth Bedrock

Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Date Commenced [illegible] Date Finished [illegible]

Tract [illegible] Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date ..... Shift Line No. ..... Hole No. [illegible] Drill No. .....

Total Depth [illegible] Bedrock [illegible] Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	Sandy loam	Fine
2		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" "	"
3		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	Med Gravel	"
4		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" "	"
5		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	Med. Gravel	"
6		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	"	"
7		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	Large Boulders	1½" Boulders
8		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" "	" Water
9		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" "	"
10		[illegible]		[illegible]	[illegible]	3	1	Brown Sand + Med Gravel	Fine
11		[illegible]		[illegible]	[illegible]	3	1	Increase Cons "	" Tight
12		[illegible]		[illegible]	[illegible]	3	1	Med Gravel	
13		[illegible]		[illegible]	[illegible]	[illegible]	1	Tight Sand	Fine, Decrease
14		[illegible]		[illegible]	[illegible]	[illegible]	1	Loose "	Loose " Cons
15		[illegible]		[illegible]	[illegible]	[illegible]	1	Sand + Small Gravel	Loose
16		[illegible]		[illegible]	[illegible]	[illegible]	1	" "	"
17		[illegible]		[illegible]	[illegible]	[illegible]	1	" "	"
18		[illegible]		[illegible]	[illegible]	[illegible]	1	" "	"
19		[illegible]		[illegible]	[illegible]	[illegible]	1	" "	"
20		[illegible]		[illegible]	[illegible]	[illegible]	1	" "	"
[illegible]				[illegible]	[illegible]		[illegible]	Sandy Gravel	[illegible]
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" "	"
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	Sand + Small Gr	Loose
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	"
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	"
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	"
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	"
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	"
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	Increase Cons.
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	1	" " " "	" "
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	1	" " " "	" "
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	Increase Cons.
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	"
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " " "	Loose

Date Commenced [illegible] Date Finished

Tract [illegible] Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No. Hole No. [illegible] Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 1

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
20		.3	[illegible]	.25	.25	1	2	CLAY + SMALL	LOOSE
21		.4		.25	.25	1	2	CLAY + SAND	FIRM
22		.34		.20	.20	1	2	SAND + SOME CLAY	LOOSE DECREASE
23		.44		.20	.20	1	2	" " " "	"
24		.44		.20	.20	1	2	" "	"
25		.4		.25	.25	1	2	SAND + SMALL G	INCREASE CLAY
26		.34		.25	.25	1	2	" " "	" "

Date Commenced [illegible]

Date Finished [illegible]

Tract [illegible]

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. [illegible] Drill No.

Total Depth 46 ft. Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 2 of [illegible]

DEPTH FEET	DEPTH IN	Mz LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	Coarse Gravel	Firm
[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	Medium Fine Gravel	"
[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	" " "	"
[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	" " "	"
[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	" " "	"
[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	Rounded Gravel w.	Large Boulders
[illegible]		[illegible]		[illegible]	[illegible]	3	[illegible]	" " "	" Water
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" " "	Increase Cons.
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	Med Gravel	Firm
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	" "	"
12		1		00	50	5	1	" "	"
13		1		50	50	5	1	" "	"
14		1		55	50	5	1	" "	"
[illegible]		1		50	50	5	1	"	
				Excellent	Large Boulders of 15"				to large
				To take from Hole					
				Low a clay large amount cons.					
				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Date Commenced 8/13/52

Date Finished 8/20/52

Tract [illegible]

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. [illegible] Drill No.

Total Depth 15 Bedrock None

Water Level 8

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		[illegible]		15	15	4	1	Sandy loam	Firm.
2		[illegible]		15	15	4	1	" "	"
3		[illegible]		15	15	4	1	" "	"
4		[illegible]		15	15	4	1	Med quartz gravel	"
5		[illegible]		15	15	4	1	" " "	"
6		[illegible]		15	15	4	1	" " "	"
7		[illegible]		15	15	4	1	Sandy clay	Tight
8		[illegible]		15	15	4	1	" "	"
9		[illegible]		15	15	4	1	" "	"
10		[illegible]		15	15	4	1	" "	"
11		[illegible]		15	15	4	1	" "	"
12		[illegible]		15	15	4	1	" "	"
13		[illegible]		15	15	4	1	Red sandy clay	"
		[illegible]		15	15	4	1	Red sandy clay	"
[illegible]		[illegible]		15	15	4	1	" " "	"
16		[illegible]		15	15	4	1	" " Some med gravel	
17		[illegible]		15	15	3	1	" " " "	
18		[illegible]		15	15	3	1	" " " "	"
19		[illegible]		15	15	3	1	" " " "	"
20		[illegible]		15	15	3	1	Water, sand + med gravel	
21		[illegible]		15	15	3	1	" clay + sand	Firm.
22		[illegible]		15	15	3	1	Sand + shale G	"
23		[illegible]		15	15	3	1	" " "	"
24				Sand very loose + running. Filled for two hours, making 30 feet of loose sand + water.					
25									
				Hole taken to sand plant					
				5/21/52					

Date Commenced 5/20/52

Date Finished 5/21/52

Tract Lovis.

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. PF 1[illegible]

Drill No.

Total Depth 43 ft

Bedrock none

Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF127Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		5	5	2	1/2	Sandy Loam	Firm.
2		1/4		5	5	2	1/2	Sand + Med G	"
3		1/4		5	5	2	1/2	" " "	Tight
4		1/4		5	5	2	1/2	" " "	"
5		1/4		5	5	2	1/2	" " "	"
6		1/2		10	10	3	1/2	" Increase cons.	"
7		1/2		10	10	3	1/2	" " "	"
8		1/2		10	10	3	1/2	Sandy Clay	"
9		1/4		5	5	2	1	" "	Decrease cons.
10		1/4		5	5	2	1	" "	Tight.
11		1/4		5	5	2	1	" "	
12		1/4		5	5	2	1	" "	
13		1/2		10	10	3	1	Sand + Small G	Loose Increase
14		1/2		10	10	3	1	" " " "	" Cond.
15		1/2		10	10	3	1	" " " "	"
16		1/2		15	15	3	1	" " " "	Increase cons.
17		1/2		15	15	3	1	" " " "	Loose. Water
18		1/2		15	15	3	1	" " " "	"
19		1/2		15	15	3	1	" " " "	"
20		1/2		15	15	3	1	" " " "	"
21		1/2		15	15	3	1	" " " "	"
22		1/2		15	15	3	1	Sand + Some Clay	Firm
23		1/2		15	15	3	1	" " Small Gravel	Loose
24		3/4		40	35	5	1 1/2	" " "	" Increase cons
25		3/4		40	35	5	1 1/2	" " "	"
26		1/4		10	10	2	1/4	Clay + Sand	Firm, Decrease cons
27		1/4		10	10	2	1/4	" "	"
28		1/4		5	5	1	1/4	Decrease cons. Clay	Tight.
29		1/4		5	5	1	1/4	Clay	"
30		1/4		5	5	1	1/4	"	"
31		1/4		5	5	1	1/4	"	"
32		1/4		5	5	1	1/4	"	"
33		1/4		5	5	1	1/4	"	"
34		1/4		5	5	1	1/4	"	"

Date Commenced 8/21/52

Date Finished 8/21/52

Tract Loomis

Panner: Day C.V. Loomis Night

Drill Runner: Day R. Parin Night

Date Shift Line No.

Hole No. PF127Y Drill No.

Total Depth 34' Bedrock None

Water Level 16.5

Continued on Page 2

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY
S. SAND
G. GRAVEL
CL. CLAY
SM. SOME
ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1/4		5	5	1	1/4	Gray Clay	
36		1/4		5	5	1	1/4	" " " "	
37		1/4		5	5	1	1/4	" "	
								Hole Abandoned	
								Caved	
								5-27-52	

Date Commenced 5-24-52

Date Finished

Tract Lewis

Panner: Day E. Lewis Night

Drill Runner: Day B. Hill Night

Date Shift Line No.

Hole No. PF 127Y Drill No.

Total Depth 37 Bedrock None

Water Level 16

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		2		45	50	2	1	Sandy Loam	Firm
2		2		45	50	2	1	" "	"
3		2		45	50	2	1	" "	"
4		2		45	50	2	1	Med. Gravel	Tight
5		2		45	50	2	1		
6		2		45	50	2	1		
7		2		45	50	2	1		
8		2		45	50	2	1	Grey Sand	Firm Clay
9		1		10	10	1	1		
10		1½		15	15	1	1	Clean Grey Sand	Firm
11		1½		15	15	1	1	" " "	"
12		1½		15	15	1	1	" " "	"
13		2		15	15	2	1½	" " "	"
14		2		15	15	2	1½	" " "	"
15		1		5	5	1½	1½	Clay + Sand	Increase Cons
16		1		5	5	1½	1½	Clay	"
17		1½		15	15	1½	1½	Brown Sand + Clay	Increase Cons.
18		1½		15	15	1½	1½	" " "	
19		1½		15	15	1½	1½	Brown Sand	
20		1½		15	15	2	1	Brown Sand + Silt	Firm.
21		1½		15	15	2	1	" " "	"
22		1½		15	15	2	1	Grey Sand	"
23		1½		35	45	8	2	Med Gravel + Sand.	Increase Cons
24		1		35	45	8	1½	" Brown Gravel	"
25		1		35	45	8	1½	" "	"
26		1		15	15	4	1	Clay — Water	Tight Clay
27		1		15	15	4	1	"	
28		1		15	15	4	1	Clay + Br. Sand	Firm.
29		1		15	15	4	1	" " " "	"
30		1		15	15	4	1	" " "	"
31		1		15	15	4	1	" " "	"
32		1		15	15	4	1	Small Med G + Clay	Firm.
33		1		15	15	4	1	" " " "	"
34		1		15	15	4	1	" " " "	"

Continued on page 2

Date Commenced [illegible] Date Finished

Tract [illegible] Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date ..... Shift Line No. ..... Hole No. [illegible] Drill No. .....

Total Depth ..... Bedrock ..... Water Level 26 ft

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

CONTINUED FROM PAGE 1

FIELD LOG

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
35		1		15	15	4	2	Med Gr. SAND + CLAY	FIRM
36		1		20	20	2	1	" " " " "	Increase Cons.
37		3/4		15	15	2	1	" " " " "	Decrease Cons.
38		3/4		15	15	2	1	" " " " "	Tight
39		1/2		40	40	1	1	BROWN SAND + SMALL G.	FIRM. INCR. CONS
40		1/2		75	75	1	2	" " " " "	Increase
41		1/2		75	75	1	2	" " " " "	" "
42								B. of Rock	
43								" "	
44								" "	

Date Commenced 8/21/52

Date Finished 8/22/52

Tract LOOMIS

Panner: Day C. VLIOMIS Night

Drill Runner: Day B. PATTON Night

Date ..... Shift ..... Line No. .....

Hole No. PF 148 V Drill No. .....

Total Depth 44 ft Bedrock 41 ft

Water Level 26 ft

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page I of PF129Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		2		30	30	1	4	SANDY LOAM	TIGHT
2		2		30	30	1	4		"
3		2		30	30	1	4		"
4		2		30	30	1	4	BROWN SAND + SMALL G	TIGHT
5		2		30	30	1	4		"
6		2		30	30	1	4		"
7		2		40	40	8	4	" " + MED G	FIRM, FINE CON
8		2		40	40	8	4		"
9		2		40	40	8	4	GREY SAND + MED G	"
10		2		40	40	8	4	" " COARSE G	" WATER
11		2		40	40	8	4	" " "	" "
12		2	TR	40	40	8	4	" " " "	" "
13		3		100	100	15	4	" " " "	INCREASE CONS.
14		3		100	100	15	4	" " " "	
15		3		100	100	15	4	" Bed Rock " "	

Unable Elev to Sand plant

at Aug 23 32

Date Commenced 8/22/32

Date Finished 8/22/32

Tract Loomis - Ruby.

Panner: Day C.V. Loomis Night

Drill Runner: Day B. Patton Night

Date Shift Line No.

Hole No. PF129Y Drill No.

Total Depth 15.1 Bedrock 15.1

Water Level 10.4

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1		15	15	8	1	Sandy Loam	Sandy Loam
2		1		15	15	8	1	" "	" "
3		1		15	15	8	1	Medum Gravel	"
4		1		15	15	8	1	" "	"
5		1		15	15	8	1	" "	"
6								G. Bank	
7								" "	

Date Commenced 1-22-52 Date Finished 1-22-52

Tract Meaners Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No. Hole No. Drill No.

Total Depth Bedrock Water Level

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD MEDIUM
M. MUCH
L LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of PF131Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		2		30	30	1	1	Coarse Gravel	Tight
2		2		30	30	1	1	"	"
3		2		30	30	1	1	"	"
4		1		20	20	1	1	Med Brown Gr S	Firm
5		1		20	20	1	1		
6		1/4		5	5	1/4	1/4	Grey Granit Sand & G	" Decrease Cons
7		1/4		5	5	1/4	1/4	"	
8		1/4		5	5	1/4	1/4	" " "	"
9								Clay Grey	Tight
10								Grey Sand	
11								Clay Gravel	Tight
									"
									"
12		1		30	30	1/4	1/2	Grey Sand Small Gravel	Increase
13		1		30	30	1/4	1/2	Brown Sand Gravel	
16		2		75	75	4	1	Grey Sand & Gravel	Increase Con
17		2		75	75	4	1	" "	"
18		2		75	75	4	1	" "	"
19		2		75	75	4	1	" "	
20		2		75	75	4	1	" "	
21		2		100	100	4	1	" "	Increase Cons
22		3/4		25	25	2	1/2	Brown Sand & Gravel	Decrease, Cons.
23		3/4		25	25	2	1/2	" " "	Loose.
24		3/4		25	25	2	1/2	Brown Sand	"
25		3/4		25	25	2	1/2	" " "	"
26		3/4		25	25	2	1/2	" "	"
27		3/4		25	25	2	1/2	Brown Sand & Small G	"
28		1/2		20	20	1	1/2	Redish Brown Sand	Loose Decrease
29		1/2		20	20	1	1/2	Light " "	" Water.
30		1/2		20	20	1	1/2	" " "	" "
31		1/2		20	20	1	1/2	" " "	"
32		1/2		20	20	1	1/2	" " "	"
33		1/2		20	20	1	1/2	" " "	"
34		1/2		20	20	1	1/2	" " "	"

Continued on Page 2.

Date Commenced 8/23/52

Date Finished

Tract Loom 15.

Panner: Day CY Loomis Night

Drill Runner: Day B Patten Night

Date Shift Line No.

Hole No. Drill No.

Total Depth Bedrock

Water Level

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page [illegible] of [illegible]

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]		15	15	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]		15	15	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]		20	20	1	1	BROWN SANDY [illegible]	[illegible]
[illegible]		[illegible]		[illegible]	[illegible]	1	1	[illegible]	[illegible]
[illegible]		[illegible]		25	25	1	1	" " " "	"
[illegible]		[illegible]		25	25	1	1	" " " "	
[illegible]		[illegible]		25	25	1	1	GREY SAND & GRAVEL SMALL [illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	1	1	" " " "	
[illegible]		[illegible]		35	35	1	1	" " " "	
[illegible]		[illegible]		35	35	1	1	" " " "	
[illegible]		2		100	100	3	2	" " TUNNEL OF	[illegible]
[illegible]		2		125	125	5	2	" " " "	" " [illegible]
[illegible]		2		125	125	5	2	" " " "	" "
[illegible]		2		100	100	5	2	" " " "	[illegible]
51		2		100	100	5	2	" " " "	LOOSE FOLDED.
52		2		75	75	5	2	" " " "	[illegible]
53		1½		50	50	5	1	" " " "	" "
54		1½		50	50	5	1	" " " "	Loose
55		1½		50	50	5	1	" " " "	"
56									
57									
58									
59					1/2	Hole	taper	to Start	5/25/53
60									

Date Commenced [illegible]

Date Finished 5/28/53

Tract [illegible]

Panner: Day [illegible] Night

Drill Runner: Day [illegible] Night

Date Shift Line No.

Hole No. [illegible] Drill No.

Total Depth 55½ Bedrock [illegible]

Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

Page 1 of PL 134 Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/4		75	140	X	1	SAND FIRM	FIRM
2		1/2		40	40	5	1		
3		1		40	40	5	1	FINE SAND MED G	FIRM
4		1/2		40	40	5	1	" " " "	"
5		2		40	40	5	1	" " " "	"
6		2		40	40	5	1	" " " "	"
7		2		15	15	4	1/2	FINE SAND & CLAY	FIRM INCREASE
8		2		15	15	4	1/2	" " "	"
9		2		15	15	4	1/2	" " "	"
10		2		15	15	4	1/2	" " "	"
11		2		15	15	4	1/2	" " "	"
12		2		15	15	4	1	REDISH BROWN SANDY CLAY	FIRM.
13		2		15	15	4	1	" " "	" "
14		2		75	75	2	1	GREY SAND & GRAVEL	FIRM. INCREASE G.
15		2		75	75	2	1	" " "	"
16		2		75	75	2	1	GREY SAND "	LOOSE.
17		1/4		15	15	1	1	GREY SAND	INCREASE. CONS.
18		1/4		15	15	1	1	" "	"
19		1/4		15	15	1	1	" "	"
20		1/4		15	15	1	1	" "	"
21		1/4		15	15	1	1	SAND & CLAY	WATER
22		1/4		15	15	1	1	RED SANDY CLAY	TIGHT
23		1/4		15	15	1	1	GREY SAND & SMALL G	"
24		1/4		15	15	1	1	BROWN SAND & CLAY	"
25		1/4		15	15	1	1	" " "	"
26		1/4		15	15	2	1	SAND & SMALL G	FIRM.
27		1/4		50	50	2	1	" " " "	"
28		1/4		50	50	2	1	" " " "	"
29		1/4		50	50	2	1	" " " "	"

Date Commenced [illegible]

Date Finished Aug. 26 - 52

Tract LOOMIS.

Panner: Day O. LOOMIS Night

Drill Runner: Day P. PATTON Night

Date Shift Line No.

Hole No. PL 134 Y Drill No.

Total Depth [illegible] Bedrock

Water Level [illegible]

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page I of PF133

DEPTH FEET	DEPTH IN	Mz LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1/2		15	15	5	1	Sandy loam	Firm.
2		"		"	"	8	"		
3		1/2		60	60	8	1	Sand & Med. Gr	Firm. Increase.
4		1/2		60	60	8	1	" " "	"
5		1/2		60	60	8	1	" " " "	"
6		1/2		60	60	8	1	" " " "	"
7		1/2		10	10	4	1	Sandy Clay Tight	" Increase Cons
8		1/2		10	10	4	1	" " " "	Tight.
9		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	" Increase Cons.
10		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
11		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
12		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
13		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
14		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
15		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
16		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
17		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
18		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
19		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
20		1/4		2 1/2	2 1/2	1/4	1/4	" " " "	"
21		1/4		15	15	1	1/4	Watery Brown Sand	Loose Lite.
22		1/4		15	15	1	1/4	" " "	"
		1/2	off	1 1/2	1 1/2	1/2	1/2	Gone to Sand	Bottom
								Stop	

Date Commenced Aug 26-52

Date Finished Aug 26/52

Tract Loomis.

Panner: Day C. V. Loomis Night

Drill Runner: Day Barton. Night

Date Shift Line No.

Hole No. PF 133

Drill No.

Total Depth 22 Bedrock 22

Water Level 21 ft

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev. ....

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 7 of PF134Y

RESIG HOLE # PF134Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		1½		10	10	2	1	Sandy Loam	FIRM.
2		1½		10	10	2	1	" "	"
3		1½		10	10	2	1	" "	"
4		1½		10	10	4	1	Med Gravel + Sand	"
5		1½		10	10	4	1	" " "	"
6		1½		10	10	4	1	" " "	"
7		1½		10	10	5	1	" " "	"
8		1½		10	10	5	1	" "	WATER
9		1½		10	10	5	1	Med coarse Gravel	FIRM
10		1½		10	10	5	1	" " "	"
11		1		40	40	5	1	Med Gravel	[illegible]
[illegible]		1		50	40	5	1	" "	[illegible]
[illegible]		3		75	75	5	2	" "	[illegible]
[illegible]		3		75	75	5	2	" "	[illegible]
[illegible]		3		75	75	5	2	" "	[illegible]
[illegible]		3		75	75	5	1	6" of Clay	TIGHT
[illegible]		2		40	40	6	1	Yellow Sand + Med Gravel	[illegible]
[illegible]		1		40	40	6	2	Grey Sand + Med Gravel	[illegible]
[illegible]		1		40	40	6	2	" " " " "	"
[illegible]		1		40	40	6	2	" " " " "	"

Running in up Bed.

End Hole in Sand bottom

S.R.F.R.

Date Commenced Aug 26-52

Date Finished Aug 27, 52

Tract LOOMIS

Panner: Day LOOMIS Night

Drill Runner: Day B. PATTON Night

Date ..... Shift ..... Line No. .....

Hole No. PF134Y Drill No. .....

Total Depth ..... Bedrock .....

Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 7 of PF 1357

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1		2		2	3	3	2	SANDY LOAM	FIRM.
2		1		1	3	3	1	"	"
3		1		1	3	3	1	"	"
4		1		1	3	3	1	"	"
5		2	2	20	20	20	1	med gravel	FIRM
6				20	20	20	1		"
7		2		20	20	20	1	GREY SAND	LOOSE
8		1		10	10	8	1	" " Decrease	" WOLF
9		1		10	10	8	1	" "	"
10									

Date Commenced Aug 27-52

Tract LOOMIS.

Date ..... Shift ..... Line No. .....

Total Depth ..... Bedrock .....

Date Finished .....

Panner: Day C.V. LOOMIS. Night .....

Drill Runner: Day B. PATTON. Night .....

Hole No. PF 1357 Drill No. .....

Water Level .....

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

YUBA MANUFACTURING COMPANY
ESTABLISHED 1905
ENGINEERS DESIGNERS
BUILDERS OF PLACER DREDGES
FILTER PLANT, CALIFORNIA
PHELAN BUILDING
351 CALIFORNIA ST.
SAN FRANCISCO 4, U.S.A.
CABLE ADDRESS
YUBA, SAN FRANCISCO

San Francisco 4, California
October 22, 1952

Mr. Guy Standifer
262 West Santa Ines Ave.
San Mateo, California

Subject: Cosumnes Gold Dredging Company
Drill Pipe Order - Yuba OIB-1987

Dear Mr. Standifer:

Our Invoice No. 51986 covering 22" drill pipe with accessories, etc., was billed to you in a lump sum of $3,151.50. A breakdown of the invoice is as follows:

10 - Steel Casings, 22" OD x 11/32" wall x 3' long - Pc. 5 Dwg. N-12632 10 - Steel Couplings, 1" x 6" x 5' 10-11/16", Bent - Pc. 1 Dwg. N-12632 Total	$1,685.13
1 - Drive Shoe - Pc. 2 Dwg. N-12632 1 - Drive Cap - Pc. 3 Dwg. N-12632 Total	465.55
1 - Fabricated Steel Pulling Head, Dwg. N-13063 Total	429.27
2 - #15 Vulcan Pipe Tongs Total	130.20
2 - 25-ton Hydraulic Jacks Total	160.60
1 - Rough Forging 890#, ordered from outside source to make the drive cap and shoe. This could not be delivered in time to complete the job. To improve delivery, Mr. Yost authorized making these parts by rolling forgings in our plant and welding them. The rough forging was received subsequent to shipment of your pipe and is held in our Benicia plant as your property, for use on some future order. Total	280.75
GRAND TOTAL	$3,151.50

YUBA

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-101-Y Property Carrey & Dennison

Date Start 7/19/52 Date Finish 7/19/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 18 Ft. Volume of Sample .86 Cu. Yds.

Displaced Volume of Hole 1.73 Cu. Yds.

Weight Data

Total Weight of Sample 2555 lbs. 100 %

Weight of minus 10 mesh 1348 lbs. 52 %

Weight of plus 10 mesh and -5/8" 410 lbs. 16 %

Weight of plus 5/8" 638 lbs. 25 %

Estimated moisture 5 % Weight of Sludge 159 lbs. 7 %

Dry weight of sample 2428 lbs. Weight per cu. yd. dry 2832 lbs.

Estimate of Concentrates

Good _____ Fair Fair to Poor Poor _____

Total dry weight of concentrates 8.25 lbs.

Pounds of concentrate per cu. yd. gravel 9.60 lbs.

Remarks

This hole on bench gravel to the east of upper Paddy Flat Creek proper. Medium gravel, no clay, easy digging and stood well. The gravel was damp and we allowed 5% for moisture. Soft granite bedrock.

The concentrates showed very little magnetite. Most of the blacks were ilmenite, monazite and garnet present in about 1/2 lb. monazite and about 1 lb. Others not determined. Panning estimate of concentrates by drill log 7½ lbs. Cu. Yd.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-102-Y Property Carrey & Dennison

Date Start 7/23/52 Date Finish 7/24/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 10 Ft. Volume of Sample .487 Cu. Yds.

Displaced Volume of Hole .975 Cu. Yds.

Weight Data

Total Weight of Sample 1690 lbs. 100 %

Weight of minus 10 mesh 680 lbs. 40.2 %

Weight of plus 10 mesh and -5/8" 383 lbs. 22.6 %

Weight of plus 5/8" 577 lbs. 34.9 %

Estimated moisture 50 % Weight of Sludge 3.0 lbs. _____ %

Dry weight of sample 8 lbs. Weight per cu. yd. dry 3120 lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor _____

Total dry weight of concentrates 28.5 lbs.

Pounds of concentrate per cu. yd. gravel 58.5 lbs.

Remarks

This hole is in the Paddy Flat creek bed at a point about 1/2 mi. above the present road crossing. Coarse clean gravel was encountered with heavy concentrates. Panning estimate was low. Estimated concentrates per cu. yd. 35 lbs.

This hole was not finished to bedrock due to the caving and the casing had not arrived.

The concentrates in this hole showed about 40% magnetite the balance Ilmenite, Garnet and Monazite and considerable zircon. Probably 30% Ilmenite about 1 lb. Monazite and 5 lbs. of Garnet to the Cu. Yd. Zircon probably 1/2 lb. to Cu. Yd.

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COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-103-Y Property Carrey & Dennison

Date Start 7/21/52 Date Finish 7/22/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 15 Ft. Volume of Sample .365 Cu. Yds.

Displaced Volume of Hole 1.46 Cu. Yds.

Weight Data

Total Weight of Sample 1170 lbs. 100 %

Weight of minus 10 mesh 417 lbs. 35.5 %

Weight of plus 10 mesh and -5/8" 161 lbs. 13.7 %

Weight of plus 5/8" 476 lbs. 40.4 %

Estimated moisture 5 % Weight of Sludge 116 lbs. 9.4 %

Dry weight of sample 1112 lbs. Weight per cu. yd. dry 2850 lbs.

Estimate of Concentrates

Good _____ Fair Fair to Poor Poor _____

Total dry weight of concentrates 8½ lbs.

Pounds of concentrate per cu. yd. gravel 23 lbs.

Remarks

This hole is located 2000 ft. east of Paddy Flat proper on the south side of the road about 50 ft. This was bench gravel and did not show very well in concentrates. The estimate by panning was 16 lbs. per cu. yd. Considerable monazite probably 1 lb. per cu. yd. Zircon 1/2 lb. about 50% Ilmenite and 5% Magnetite. Garnet about 2 lbs. per cu. yd. This ground is easy digging with medium coarse gravel. Soft granite bedrock.

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COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-104-Y Property Carrey & Dennison

Date Start 7/24/52 Date Finish 7/26/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 28 Ft. Volume of Sample 1.32 Cu. Yds.

Displaced Volume of Hole 2.64 Cu. Yds.

Weight Data

Total Weight of Sample 3990 lbs. 100 %

Weight of minus 10 mesh 1315 lbs. 33 %

Weight of plus 10 mesh and -5/8" 550 lbs. 15 %

Weight of plus 5/8" 1675 lbs. 43 %

Estimated moisture 5 % Weight of Sludge 390 lbs. 9 %

Dry weight of sample 3791 lbs. Weight per cu. yd. dry 3023 lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 19.1 lbs.

Pounds of concentrate per cu. yd. gravel 14.5 lbs.

Remarks

This hole is on the road from Paddy Flat to the Ranger Station. It is 1500 ft. east of Hole No. PF-103-Y about 100 ft. to the south of the road.

The gravel was somewhat heavier than 103. There was some coarse wash up to 15" in size. However, the concentrates did not show much. Probably 50% Ilmenite 1/4 lb. Monazite Tr. Zircon and 1 lb. Garnet. This is definitely an outwash of glacial gravel and has not concentrated. Excellent dredging gravel. Panning estimate 38 lbs. overestimated.

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COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-105-Y Property Carrey & Dennison

Date Start 7/27/52 Date Finish 7/30/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 27 Ft. Volume of Sample 1.31 Cu. Yds.

Displaced Volume of Hole 2.63 Cu. Yds.

Weight Data

Total Weight of Sample 6750 lbs. 100 %

Weight of minus 10 mesh 3290 lbs. 48.5 %

Weight of plus 10 mesh and -5/8" 1150 lbs. 17.0 %

Weight of plus 5/8" 2240 lbs. 33.0 %

Estimated moisture Very wet. / 15 % Weight of Sludge 100 lbs. 1.5 %

Dry weight of sample 5738 lbs. Weight per cu. yd. dry 4300 / (over-run) lbs.

Values taken by weight of 3300 lbs. cu. yd. Gravel extremely heavy with heavy concentrates. Values at 1.73 cu. yds. from 27 ft.

Estimate of Concentrates

Good X Fair _____ Poor _____

Total dry weight of concentrates 237 lbs.

Pounds of concentrate per cu. yd. gravel 137 lbs.

Remarks

This hole is located in Paddy Flat proper about 100 ft. south of bridge across stream. This hole tended to slough near the surface. Water was encountered at about 6 ft. The above values were calculated by weight. The gravel was excpptionally heavy and very wet when weighed. This is ideal dredging gravel. Heavy concentrates. Probably 50% magnetite 25% ilmenite 1½ Lbs. monazite 8 lbs. garnet 1 lb. zircon.

Panning estimate 67 lbs. Under estimate of concentrates.

This checks with hole put down by C. G. D. Co. in Nov. 1952. This hole to 16 ft. made 134 lbs. of concentrates.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-106-Y Property Carrey & Dennison

Date Start 7/21/52 Date Finish 7/27/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 20 Ft. Volume of Sample .487 Cu. Yds.

Displaced Volume of Hole 1.95 Cu. Yds.

Weight Data

Total Weight of Sample 2220 lbs. 100 %

Weight of minus 10 mesh 1260 lbs. 57 %

Weight of plus 10 mesh and -5/8" 515 lbs. 23 %

Weight of plus 5/8" 520 lbs. 23 %

Estimated moisture 10 % Weight of Sludge 75 lbs. 3 %

Dry weight of sample 1998 lbs. Weight per cu. yd. dry 3998 lbs.

Due to sloughing values figured at 3000 lbs. per cu. yd.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 28.75 lbs.

Pounds of concentrate per cu. yd. gravel 43.1 lbs.

Remarks

This hole is 1500 ft. east of hole No. PF-104-Y on the north side of the road from Paddy Flat to the Ranger station. This is in the bench gravel between Paddy Flat and Rapid Creek. No true bedrock was encountered but a granite sand which may have been bedrock. The panning of the concentrates did not show very well but when the sample was run it did much better than the panning showed.

The panning result showed only 10 lbs. per cu. yd. This hole should be rechecked from the remaining sample.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-107-Y Property Carrey & Dennison

Date Start 7/21/52 Date Finish 7/27/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 31 Ft. Volume of Sample 1.51 Cu. Yds.

Displaced Volume of Hole 3.02 Cu. Yds.

Weight Data

Total Weight of Sample 6820 lbs. 100 %

Weight of minus 10 mesh 3582 lbs. 52.6 %

Weight of plus 10 mesh and -5/8" 1233 lbs. 18 %

Weight of plus 5/8" 1955 lbs. 28.7 %

Estimated moisture 10 % Weight of Sludge 50 lbs. .7 %

Dry weight of sample 6232 lbs. Weight per cu. yd. dry 4154 lbs.

Due to sloughing gravel figured at 3300 lbs. per cu. yd. This gravel extremely heavy with heavy concentrates.

Estimate of Concentrates

Good X Fair Poor

Total dry weight of concentrates 124 lbs.

Pounds of concentrate per cu. yd. gravel 65.2 lbs.

Remarks

This hole is located about 800 ft. east of the bridge in Paddy Flat on the south side of the road about 50 ft. Medium coarse gravel with heavy concentrates. Easy digging, very little clay. Good dredging ground.

This showed about 45% magnetite and about 30% ilmenite. Probably 1 lb. of monazite, 10 lbs. of garnet, 1 lb. of zircon per cu. yd. Due to the sloughing at the water level the hole over run the actual displacement. Due to this ground being exceptionally heavy 3300 lbs. to the cu. yd. was allowed. 1/2 of the hole was concentrated.

40 lbs. of concentrates per cu. yd. estimated. This was under the actual.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-108-Y Property Carrey & Dennison

Date Start 7/28/52 Date Finish -----

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 26 Ft. Volume of Sample 1.26 Cu. Yds.

Displaced Volume of Hole 2.53 Cu. Yds.

Weight Data

Total Weight of Sample 4925 lbs. 100 %

Weight of minus 10 mesh 2896 lbs. 58.8 %

Weight of plus 10 mesh and -5/8" 655 lbs. 13.8 %

Weight of plus 5/8" 1324 lbs. 26.4 %

Estimated moisture 10 % Weight of Sludge 50 lbs. 1.0 %

Dry weight of sample 4437 lbs. Weight per cu. yd. dry 3680 lbs.
Due to sloughing at water line 3000 lbs. was allowed as wt. of gravel.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 45.25 lbs.

Pounds of concentrate per cu. yd. gravel 30.5 lbs.

Remarks

This hole is located about 2000 ft. east of the ranger station on the bench near Rapid Creek. Due to sloughing all values were calculated by weight. Good dredging section of gravel. This showed 40% magnetite and about 20% ilmenite. The monazite garnet and zircon did not show up very well.

Panning estimate 32 lbs. of concentrates per cu. yd.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF 109 Y Property Carrey & Dennison

Date Start 7/28/52 Date Finish 7/30/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 20 Ft. Volume of Sample .975 Cu. Yds.

Displaced Volume of Hole 1.95 Cu. Yds.

Weight Data

Total Weight of Sample 3920 lbs. 100 %

Weight of minus 10 mesh 1575 lbs. 40 %

Weight of plus 10 mesh and -5/8" 1115 lbs. 29 %

Weight of plus 5/8" 1230 lbs. 31 %

Estimated moisture 10 % Weight of Sludge 15 lbs. 0 %

Dry weight of sample 3528 lbs. Weight per cu. yd. dry 3439 lbs.

Due to slough from surface 3300 lbs. per cu. yd. used in calculations as this gravel is exceptionally heavy and clean.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 55 lbs.

Pounds of concentrate per cu. yd. gravel 52.1 lbs.

Remarks

This hole is located to the East of Rapid Creek about 800 ft. and to the south of the road to Kennally Creek about 1000 ft. This gravel was very coarse and heavy. The concentrates were 40% garnet. The balance magnetite and ilmenite. There was very little monazite and zircon. Probably 1/2 to 1/4 lb. to the yard.

There were many cobbles 15" in diameter.

There was a slight overrun on the gravel due to the large cobbles.

Panning estimate of concentrates 41 lbs. to cu. yd.

This gravel is distinctly different than Paddy Flat Creek and the bench between the two. This is clean, coarse hard granite gravel and tight throughout.

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Concentrating and Weight Data

District Paddy Flat Hole No. PF-110-Y Property Loomis

Date Start 7/30/52 Date Finish 8/6/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 84 Ft. Volume of Sample 4.09 Cu. Yds.

Displaced Volume of Hole 8.19 Cu. Yds.

Weight Data

Total Weight of Sample 17,000 lbs. 100 %

Weight of minus 10 mesh 10,100 lbs. 60 %

Weight of plus 10 mesh and -5/8" 2010 lbs. 11 %

Weight of plus 5/8" 4890 lbs. 28 %

Estimated moisture 15 % Weight of Sludge ? lbs. 1.0 %
(Very wet when weighed)

Dry weight of sample 14,450 lbs. Weight per cu. yd. dry 3,536 lbs.
Sample figured at 3200 lbs. to cu. yd. gravel very heavy with heavy concentrates.

Estimate of Concentrates

Good X Fair Poor

Total dry weight of concentrates 235 lbs.

Pounds of concentrate per cu. yd. gravel 52.2 lbs.

Remarks

This hole is located about 3000 ft. south of the Rapid Creek bridge on the left side of the Sloans Point trail about 200 ft. east of the Sloan's point trail sign. This gravel is entirely different from any in the vicinity. Apparently it is a very old channel and does not conform to the topography of the area. Bedrock was not reached in this hole as 85 ft. was the length of the line on the drill. The concentrates were increasing with depth. About 54% magnetite and 25% ilmenite. Probably 1 lb. of monazite, 4 lbs. of garnet, 1 lb. of zircon to the cu. yd. This hole gives distinct evidence of a big uardage of this gravel. It is easily dug and free of excessive clay. Very good dredging ground.

This area warrants further investigation by drilling to delimit the gravel area. The panning estimate is 62 lbs. of concentrates to cu. yd.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-111-Y Property Loomis

Date Start 8/4/52 Date Finish 8/16/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 78 Ft. Volume of Sample 3.80 Cu. Yds.

Displaced Volume of Hole 7.60 Cu. Yds.

Weight Data

Total Weight of Sample 13,725 lbs. 100 %

Weight of minus 10 mesh 8,240 lbs. 62.7 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 4,699 lbs. 36.8 %

Estimated moisture 10 % Weight of Sludge 786 lbs. 5.0 %

Dry weight of sample 12,353 lbs. Weight per cu. yd. dry 3,260 lbs.

Estimate of Concentrates

Good X Fair _____ Poor _____

Total dry weight of concentrates 384 lbs.

Pounds of concentrate per cu. yd. gravel 101.0 lbs.

Remarks

This hole is located 250 ft. west of the sign (Sloan's Point Trail) and 500 ft. west of hole No. PF-100-Y. Clean gravel. Exceptionally heavy with heavy concentrates. Hole not bottomed. 45% magnetite and 25% ilmenite. Probably 1 to 1½ lbs. monazite, 4 lbs. garnet, 1 lb. zircon. This hole is probably near center of deep channel. Water from 30 ft. down.

Panning estimate 58 lbs. underestimated.

1/2 of hole run.

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Concentrating and Weight Data

District Paddy Flat Hole No. PF-112-Y Property Carrey & Dennison

Date Start 8/6/52 Date Finish 8/7/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 31 Ft. Volume of Sample 1.50 Cu. Yds.

Displaced Volume of Hole 3.0 Cu. Yds.

Weight Data

Total Weight of Sample 4450 lbs. 100 %

Weight of minus 10 mesh 1956 lbs. 44 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 2494 lbs. 56 %

Estimated moisture 6 %

Dry weight of sample 4183 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 15.0 lbs.

Pounds of concentrate per cu. yd. gravel 10.0 lbs.

Remarks

This hole is out of main channel.
Did not calculate in results.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PP-113-Y Property Carrey & Dennison

Date Start 8/7/52 Date Finish 8/8/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 70 Ft. Volume of Sample 3.41 Cu. Yds.

Displaced Volume of Hole 6.82 Cu. Yds.

Weight Data

Total Weight of Sample 12740 lbs. 100 %

Weight of minus 10 mesh 6834 lbs. 51 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 5906 lbs. 49 %

Estimated moisture 13 %

Dry weight of sample 11084 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor _____

Total dry weight of concentrates 100.0 lbs.

Pounds of concentrate per cu. yd. gravel 30.3 lbs.

Remarks

This hole in channel not bottomed due to caving at depth.

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Concentrating and Weight Data

District Paddy Flat Hole No. PF-114-Y Property Carrey & Dennison

Date Start 8/8/52 Date Finish 8/10/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 66 Ft. Volume of Sample 3.21 Cu. Yds.

Displaced Volume of Hole 6.43 Cu. Yds.

Weight Data

Total Weight of Sample 12080 lbs. 100 %

Weight of minus 10 mesh 6037 lbs. 50 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 6043 lbs. 50 %

Estimated moisture 10 %

Dry weight of sample 10,800 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 179 lbs.

Pounds of concentrate per cu. yd. gravel 55.7 lbs.

Remarks

This hole in channel gravel.
Not bottomed due to caving.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-115-X Property Carrey & Dennison

Date Start 8/11/52 Date Finish 8/12/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 57 Ft. Volume of Sample 2.77 Cu. Yds.

Displaced Volume of Hole 5.55 Cu. Yds.

Weight Data

Total Weight of Sample 5580 lbs. 100 %

Weight of minus 10 mesh 2692 lbs. 48 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 2888 lbs. 52 %

Estimated moisture 10 %

Dry weight of sample 5022 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 97 lbs.

Pounds of concentrate per cu. yd. gravel 36.0 lbs.

Remarks

This hole is in channel gravel.
Not bottomed due to caving.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-116-Y Property Carrey & Dennison

Date Start 8/16/52 Date Finish 8/17/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 34 Ft. Volume of Sample .823 Cu. Yds.

Displaced Volume of Hole 3.31 Cu. Yds.

Weight Data

Total Weight of Sample 3480 lbs. 100 %

Weight of minus 10 mesh 1690 lbs. 47 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 1705 lbs. 48 %

Estimated moisture 15 % Weight of Sludge 85 lbs. 5 %

Dry weight of sample 2958 lbs. Weight per cu. yd. dry 3560 / (over-run) lbs.

Estimate of Concentrates

Good X Fair _____ Poor _____

Total dry weight of concentrates 71 lbs.

Pounds of concentrate per cu. yd. gravel 75.9 by Wr. lbs. (3200 Lbs. Cu. Yd.)

Remarks

This hole is located about 1200 ft. south of Holes PF-100 and PF-111 and is the hole to the east of the road about 900 ft. Due to not having casing this hole began to slough at 34 ft. and caused the over-run in the weight of the gravel. The panning estimate was 30 lbs. to the Cu. Yd. (underestimated). This hole was definitely in the deep channel and should be put on down to bedrock as all holes in this area improved in concentrates with depth. Typical dredging gravel. 45% Magnetite, 25% Ilmenite, probably about 1/2 lb. monazite, 3 lbs. garnet and 1 lb. zircon. 1/4 of hole run.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-117 Property Loomis

Date Start _____ Date Finish _____

Hole Data

Hole Size 22 Ins. Size of Sample _____ Hole

Depth of Hole _____ Ft. Volume of Sample _____ Cu. Yds.

Displaced Volume of Hole _____ Cu. Yds.

Weight Data

Total Weight of Sample _____ lbs. _____ %

Weight of minus 10 mesh _____ lbs. _____ %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" _____ lbs. _____ %

Estimated moisture _____ %

Dry weight of sample _____ lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor _____

Total dry weight of concentrates _____ lbs.

Pounds of concentrate per cu. yd. gravel _____ lbs.

Remarks

Bedrock came to surface. Hole not concentrated.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-118-Y Property Carrey & Dennison

Date Start _____ Date Finish _____

Hole Data

Hole Size 22 Ins. Size of Sample _____ Hole

Depth of Hole 6 Ft. Volume of Sample _____ Cu. Yds.

Displaced Volume of Hole _____ Cu. Yds.

Weight Data

Total Weight of Sample _____ lbs. _____ %

Weight of minus 10 mesh _____ lbs. _____ %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" _____ lbs. _____ %

Estimated moisture _____ %

Dry weight of sample _____ lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor _____

Total dry weight of concentrates _____ lbs.

Pounds of concentrate per cu. yd. gravel _____ lbs.

Remarks

Hole not sampled as bedrock came to 5 ft. of surface.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-119-Y Property Carrey & Dennison

Date Start 8/14/52 Date Finish 8/16/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 36 Ft. Volume of Sample 1.75 Cu. Yds.

Displaced Volume of Hole 3.51 Cu. Yds.

Weight Data

Total Weight of Sample 5750 lbs. 100 %

Weight of minus 10 mesh 2620 lbs. 47 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 2843 lbs. 48 %

Estimated moisture No moisture check % Weight of Sludge 287 lbs. 5 %

Dry weight of sample _____ lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 99 lbs.

Pounds of concentrate per cu. yd. gravel 56.5 lbs.

Remarks

This hole in channel. Not bottomed due to caving.

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Concentrating and Weight Data

District Paddy Flat Hole No. PF-120-Y Property Carrey & Dennison

Date Start 8/14/52 Date Finish 8/18/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 39 Ft. Volume of Sample .95 Cu. Yds.

Displaced Volume of Hole 3.8 Cu. Yds.

Weight Data

Total Weight of Sample 3440 lbs. 100 %

Weight of minus 10 mesh 1986 lbs. 55.7 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 1282 lbs. 38.8 %

Estimated moisture 8 % Weight of Sludge 172 lbs. 5.5 %

Dry weight of sample 3165 lbs. Weight per cu. yd. dry 3330 lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 29 lbs.

Pounds of concentrate per cu. yd. gravel 30.5 lbs.

Remarks

This hole is located on the ridge between rapid creek and Kennally Fork about 1500 ft. north of hole PF-113-Y. This hole is definitely on the high east rim of the deep channel. This hole should not be included in the ultimate calculations of yardages and depths as it is on the rim and is inaccessible for dredging purposes.

This hole was dry. The gravel was small and sandy.

Due to the position of this hole no estimates were made and sample was retained. Not sent to Dings for separation.

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Concentrating and Weight Data

District Paddy Falt Hole No. PF-121-Y Property Carrey & Dennison

Date Start _____ Date Finish _____

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 24 Ft. Volume of Sample 1.1 Cu. Yds.

Displaced Volume of Hole 2.3 Cu. Yds.

Weight Data

Total Weight of Sample 3710 lbs. _____ %

Weight of minus 10 mesh _____ lbs. _____ %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" _____ lbs. _____ %

Estimated moisture 10 %

Dry weight of sample 3339 lbs. Weight per cu. yd. dry 3300 lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 5.1 lbs.

Pounds of concentrate per cu. yd. gravel 5.0 lbs.

Remarks

This hole not in channel gravel. Should not be used in calculating.

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-122-Y Property Loomis

Date Start _____ Date Finish _____

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 15 Ft. Volume of Sample .74 Cu. Yds.

Displaced Volume of Hole 1.48 Cu. Yds.

Weight Data

Total Weight of Sample 2620 lbs. _____ %

Weight of minus 10 mesh _____ lbs. _____ %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" _____ lbs. _____ %

Estimated moisture 10 %

Dry weight of sample 2468 lbs. Weight per cu. yd. dry 3215 lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 7.0 lbs.

Pounds of concentrate per cu. yd. gravel 9.1 lbs.

Remarks

This hole not on channel gravel. Should not be considered in evaluation.

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COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-123-Y Property Carrey & Dennison

Date Start 8/16/52 Date Finish 8/20/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 40 Ft. Volume of Sample .975 Cu. Yds.

Displaced Volume of Hole 3.9 Cu. Yds.

Weight Data

Total Weight of Sample 4580 lbs. 100 %

Weight of minus 10 mesh 2246 lbs. 48.9 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 2017 lbs. 45.6 %

Estimated moisture 15 % Weight of Sludge 229 lbs. 5.5 %

Dry weight of sample 3693 lbs. Weight per cu. yd. dry 3720 lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 48 lbs.

Pounds of concentrate per cu. yd. gravel 50.0 lbs.

Remarks

This hole is about 1000 ft. south of the Ranger Station. This gravel was very coarse and had considerable glacial cobbles. This hole was not bottomed due to lace of casing. It is believed that the deep channel runs under this glacial outwash. This hole should be bottomed to determine this.

The same proportion holds in this hole as others except there was considerable more garnet. Probably 45% magnetite, 30% ilmenite, 6 lbs. of garnet, ½ lb. monazite and 1 lb. zircon. Typical dredging ground. Panning estimate 23.4 lbs. cons. cu. yd. (underestimated).

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Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-124-T Property Loomis

Date Start 8/18/52 Date Finish 8/19/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 41 Ft. Volume of Sample 1 Cu. Yds.

Displaced Volume of Hole 4.0 Cu. Yds.

Weight Data

Total Weight of Sample 3690 lbs. 100 %

Weight of minus 10 mesh 2126 lbs. 58 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 1422 lbs. 38 %

Estimated moisture 12 % Weight of Sludge 142 lbs. 4 %

Dry weight of sample 3247 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 40 lbs.

Pounds of concentrate per cu. yd. gravel 40 lbs.

Remarks

This hole is in channel. Not bottomed due to caving.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-125-Y Property Loomis

Date Start 8/19/52 Date Finish 8/20/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 plus Hole

Depth of Hole 15 Ft. Volume of Sample .325 Cu. Yds.

Displaced Volume of Hole 1.3 Cu. Yds.

Weight Data

Total Weight of Sample 2800 lbs. 100 %

Weight of minus 10 mesh 1285 lbs. 48.9 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 1341 lbs. 49.6 %

Estimated moisture 20 % Weight of Sludge 56 lbs. 1.5 % (See Remarks)

Dry weight of sample 2240 lbs. Weight per cu. yd. dry 6600 lbs.

Estimate of Concentrates

Good X Fair _____ Poor _____

Total dry weight of concentrates 49 lbs.

Pounds of concentrate per cu. yd. gravel 74.3 lbs.

Remarks

This hole is located about 1000 ft. west of hole 124 and near camp creek. There was a glacial outwash of about the first 10 ft. of this hole and large cobbles. Due to a 20" cobble in the side of the hole at about 10 ft. in depth that fell into the bottom of the hole it was abandoned. This also accounts for the excessive weight of gravel for the volume. At about 14 ft. a clean pegmatite gravel was encountered and was very high in concentrates. Probably 200 lbs. per cu. yd. at 16 ft. wh en a rock about the size of the hole dropped in and the driller was unable to get it out. This hole will probably be redrilled. The calculations on this sample was by weight using 3,200 lbs. per cu. yd.

HOLE

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-126-Y Property Loomis

Date Start 8/20/52 Date Finish 8/22/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 23 Ft. Volume of Sample .55 Cu. Yds.

Displaced Volume of Hole 2.24 Cu. Yds.

Weight Data

Total Weight of Sample 1930 lbs. 100 %

Weight of minus 10 mesh 875 lbs. 45 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 991 lbs. 51 %

Estimated moisture 20 % Weight of Sludge 64 lbs. 4 %

Dry weight of sample 1544 lbs. Weight per cu. yd. dry 2800 lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 15 lbs.

Pounds of concentrate per cu. yd. gravel 27.7 lbs.

Remarks

This hole was mostly clay and hence the light weight per cu. yd. dry.

This area definitely has too much clay and too low grade in concentrates. This area will have to be delimited. This hole is about 1700 ft. north of the lower bridge on Camp Creek. This hole contains the usual minerals in about the same proportion as others. However, the monazite and zircon are almost negligible.

In my estimation this hole should not be considered in values or yardage calculations.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-127-Y Property Loomis

Date Start 8/21/52 Date Finish 8/23/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 37 Ft. Volume of Sample .90 Cu. Yds.

Displaced Volume of Hole 3.6 Cu. Yds.

Weight Data

Total Weight of Sample 2400 lbs. 100 %

Weight of minus 10 mesh 822 lbs. 35 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 1434 lbs. 59 %

Estimated moisture 17 % Weight of Sludge 144 lbs. 6 %

Dry weight of sample 1992 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 20.0 lbs.

Pounds of concentrate per cu. yd. gravel 22.2 lbs.

Remarks

This hole out of channel. Do not figure in estimates.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-128-Y Property Loomis

Date Start 8/21/52 Date Finish

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 41 Ft. Volume of Sample 2 Cu. Yds.

Displaced Volume of Hole 4 Cu. Yds.

Weight Data

Total Weight of Sample 7050 lbs. 100 %

Weight of minus 10 mesh 2700 lbs. 27 %

Weight of plus 10 mesh and -5/8" lbs. %

Weight of plus 5/8" 4998 lbs. 68 %

Estimated moisture 14 % Weight of Sludge 352 lbs. 5 %

Dry weight of sample 6063 lbs. Weight per cu. yd. dry lbs.

Estimate of Concentrates

Good Fair x Poor

Total dry weight of concentrates 67 lbs.

Pounds of concentrate per cu. yd. gravel 33.5 lbs.

Remarks

This hole in channel. Not bottomed due to caving.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-129-Y Property Loomis

Date Start 8/22/52 Date Finish 8/23/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/4 Hole

Depth of Hole 15 Ft. Volume of Sample .38 Cu. Yds.

Displaced Volume of Hole 1.46 Cu. Yds.

Weight Data

Total Weight of Sample 1340 lbs. 100 %

Weight of minus 10 mesh 710 lbs. 53 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 577 lbs. 43 %

Estimated moisture 18 % Weight of Sludge 63 lbs. 4 %

Dry weight of sample 1099 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good X Fair _____ Poor _____

Total dry weight of concentrates 28 lbs.

Pounds of concentrate per cu. yd. gravel 75.0 lbs.

Remarks

Heavy clay. Hole in channel not to bedrock due to caving. No casing.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-130 Property Loomis

Date Start _____ Date Finish _____

Hole Data

Hole Size 22 Ins. Size of Sample _____ Hole

Depth of Hole 5 Ft. Volume of Sample _____ Cu. Yds.

Displaced Volume of Hole _____ Cu. Yds.

Weight Data

Total Weight of Sample _____ lbs. _____ %

Weight of minus 10 mesh _____ lbs. _____ %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" _____ lbs. _____ %

Estimated moisture _____ %

Dry weight of sample _____ lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor _____

Total dry weight of concentrates _____ lbs.

Pounds of concentrate per cu. yd. gravel _____ lbs.

Remarks

Hole not concentrated as bedrock came to within 5 ft. of surface.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PP-131-Y Property Loomis

Date Start 8/23/52 Date Finish 8/25/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 55 Ft. Volume of Sample 2.68 Cu. Yds.

Displaced Volume of Hole 5.36 Cu. Yds.

Weight Data

Total Weight of Sample 9200 lbs. 100 %

Weight of minus 10 mesh 5160 lbs. 56 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 3580 lbs. 39 %

Estimated moisture 10 % Weight of Sludge 460 lbs. 5 %

Dry weight of sample 8280 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor _____

Total dry weight of concentrates 137 lbs.

Pounds of concentrate per cu. yd. gravel 51.2 lbs.

Remarks

Hole not to bedrock due to caving. Hole on channel gravel.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-132-Y Property Loomis

Date Start 8/26/52 Date Finish 8/27/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 29 Ft. Volume of Sample 1.41 Cu. Yds.

Displaced Volume of Hole 2.83 Cu. Yds.

Weight Data

Total Weight of Sample 4660 lbs. 100 %

Weight of minus 10 mesh 1846 lbs. 34 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 2814 lbs. 66 %

Estimated moisture 11 %

Dry weight of sample 4150 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 58 lbs.

Pounds of concentrate per cu. yd. gravel 41.1 lbs.

Remarks

Hole not in channel. Not used in calculations.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-133-Y Property Loomis

Date Start 8/26/52 Date Finish 8/30/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 22 Ft. Volume of Sample 1 Cu. Yds.

Displaced Volume of Hole 2.0 Cu. Yds.

Weight Data

Total Weight of Sample 2940 lbs. 100 %

Weight of minus 10 mesh 862 lbs. 29 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 2019 lbs. 69 %

Estimated moisture 5 % Weight of Sludge 59 lbs. 2 %

Dry weight of sample 2793 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair _____ Poor X

Total dry weight of concentrates 8.0 lbs.

Pounds of concentrate per cu. yd. gravel 8.0 lbs.

Remarks

This hole not in channel. Should not figure in calcuations.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. PF-134-Y Property Loomis

Date Start 8/26/52 Date Finish 8/27/52

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 20 Ft. Volume of Sample .98 Cu. Yds.

Displaced Volume of Hole 1.95 Cu. Yds.

Weight Data

Total Weight of Sample 2370 lbs. 100 %

Weight of minus 10 mesh 1623 lbs. 69 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 629 lbs. 26 %

Estimated moisture 14 % Weight of Sludge 118 lbs. 5 %

Dry weight of sample 2038 lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 47.0 lbs.

Pounds of concentrate per cu. yd. gravel 48.0 lbs.

Remarks

This hole in channel gravel. Not to bedrock due to caving and casing not arrived.

COPY

COSUMNES GOLD DREDGING CO.
Cascade, Idaho

Concentrating and Weight Data

District Paddy Flat Hole No. P.F.-135-Y Property Loomis

Date Start _____ Date Finish _____

Hole Data

Hole Size 22 Ins. Size of Sample 1/2 Hole

Depth of Hole 10 Ft. Volume of Sample .48 Cu. Yds.

Displaced Volume of Hole .975 Cu. Yds.

Weight Data

Total Weight of Sample 1501 lbs. 100 %

Weight of minus 10 mesh 838 lbs. 58 %

Weight of plus 10 mesh and -5/8" _____ lbs. _____ %

Weight of plus 5/8" 663 lbs. 42 %

Estimated moisture _____ %

Dry weight of sample _____ lbs. Weight per cu. yd. dry _____ lbs.

Estimate of Concentrates

Good _____ Fair X Poor _____

Total dry weight of concentrates 32.1 lbs.

Pounds of concentrate per cu. yd. gravel 77.0 lbs.

Remarks

Hole not bottomed due to loose sandy streak at 10 ft. No casing as yet. Hole on channel gravel.

BAUSCH & LOMB OPTICAL CO.

SAN FRANCISCO, CALIFORNIA

BRAUN-KNECHT-HEIMANN-CO.

1400 - 16TH STREET

SAN FRANCISCO 19 CALIFORNIA

ORDERED 3242
6-30-52

DATE 6 / 30 / 52

COSUMNES GOLD DREDGING COMPANY
SLUICE HOUSE
SACRAMENTO COUNTY, CALIFORNIA

31-26-24-36	1	BKW-5 MICROSCOPE SERIAL AND 6L8	127.50
31-33-51-02	1	NICHOLAS ILLUMINATOR WITH PEDESTAL BASE	40.00
31-36-45	1	ADJUSTABLE TRANSFORMER	16.00
31-31-79	1	EXTRA LAMP BULB 6.5 VOLT	
			473.50
		3% California Sales Tax	14.20
			489.69

3677

PADDY FLAT

SAMPLE NO. 1

Description:

Robinson Property
Gold Fork
Magnetite Fraction
16% of Total Cons.

Cons. about 100#/Yd.^{3}

Analysis: Fe - 70.8%

SAMPLE NO. 2

Description:

Robinson Property
Gold Fork
Magnetite Removed
84% of Total Cons.

Cons. about 100#/Yd.^{3}

Analysis: Fe - 36.8%

SAMPLE NO. 3

Description:

Composite

Hole No.

#116	-	75.9	Lbs./Yd.^{3}	
#123	-	50.0	"	"
#111	-	101	"	"
#102	-	58.5	"	"
#105	-	137	"	"
#107	-	62.5	"	"

81#/Yd.^{3} Ave.
Concentrates
Nothing Removed

Analysis: Fe - 24.1%

SAMPLE NO. 4

Description:

Composite

Hole No.

#116
#123
#111
#102
#105
#107

Magnetite Fraction
1/2 Split
Light Grind & Magnetic Separation
3.45% Lost in Process

Analysis: Fe - 68.3%

SAMPLE NO. 5

Description:

Composite

Hole No.

#116
#123
#111
#102
#105
#107

Magnetics Removed
72.2% of Cons.

Analysis: Fe - 13.8%

SAMPLE NO. 6

Description:

Analysis: Fe - 66.7%

Composite

Hole No.

#116	#102
#123	#105
#111	#107

Magnetite Fraction
27.8% of Cons.
22.5# Magnetite per Yd.^{3}

1/2 Split Sample

SAMPLE NO. 7

111

Run for P_2O_5

Description: Mag. Tailing
Table Tails

Run for Rare Earth Oxide

Analysis: Very Small Amount V_3O_8

SAMPLE NO. 8

PF111 Y

Description: Mag. Tails
Table Cons.

Present - Ce
Sn
Zr
Th
Tb
Ti
U(?)

More Sample Needed

Run for: Rare Earth Oxide V_3O_8

Analysis: 3.56%

SAMPLE NO. 9

PF 111 Y

Description: Magnetite Fraction

230g from 500

46%
Run Fe., Etc.

Analysis: Fe - 66.1%

SAMPLE NO. 10

111

Description: Ilmenite Fraction

13.8%

(TiO_2)

Analysis: Run for Fe = 38.9
TiO_2 - 35.0

SAMPLE NO. 11

PF 116 Y

Description: Magnetite Fraction

171 gr

Analysis: Fe - 66.2%

SAMPLE NO. 12

116

Description: Mag. Tails

Analysis: Fe - 1.2
P_2O_5 - .577

SAMPLE NO. 13

116

Description:

Ilmenite

Analysis: Fe - 40.2%
TiO_2 - 34.7%

FORM A-8

REPORT OF ASSAY

ABBOT A. HANKS, INC.

ASSAYERS, CHEMISTS, ENGINEERS
624 SACRAMENTO STREET
SAN FRANCISCO.

December 30, 1952

DEPOSITED BY Cosumnes Gold Dredging Co.
P. O. Box 7
Red Mountain, California

SAMPLE OF MAGNETICALLY SEPARATED SANDS

Labty. No.	Mark	GOLD, per ton of 2,000 lbs.		SILVER, per ton of 2,000 lbs.		Percentages
		Troy Ounces	Value @ $35.00 oz.	Troy Ounces	Value @ $	
						TITANIUM OXIDE
49738	9034-B					47.14 %
49742	9035-B					41.34
49746	9036-B					43.58
49750	9037-B					42.22

ABBOT A. HANKS, INC.

Morton P. Ernst

bob

FORM A-7

REPORT OF ASSAY

ABBOT A. HANKS, INC.

ASSAYERS, CHEMISTS, ENGINEERS
624 SACRAMENTO STREET
SAN FRANCISCO.

December 17, 1952

DEPOSITED BY Cosumnes Gold Dredging Co.
P. O. Box 7,
Red Mountain, California

SAMPLE OF MAGNETICALLY SEPARATED SANDS

Labty. No.	Mark	GOLD, per ton of 2,000 lbs. Troy Ounces	GOLD, per ton of 2,000 lbs. Value @ $35.00 oz.	SILVER, per ton of 2,000 lbs. Troy Ounces	SILVER, per ton of 2,000 lbs. Value @ $	Percentages TOTAL RARE EARTH OXID
49739	9034-D					2.96 %
49740	9034-E					10.81
49743	9035-D					0.75
49744	9035-E					2.46
49747	9036-D					0.72
49748	9036-E					3.20
49751	9037-E					5.90
49752	9037-F					0.89
49754	9038-D					1.41
49756	9039-C					5.89
49757	9039-D					1.69
49759	9040-C					2.01

ABBOT A. HANKS, INC.

Martin P. Olmstead

FORM A-7

REPORT OF ASSAY

ABBOT A. HANKS, INC.

ASSAYERS, CHEMISTS, ENGINEERS
624 SACRAMENTO STREET
SAN FRANCISCO.

December 17, 1952

DEPOSITED BY Cosumnes Gold Dredging Co.
P. O. Box 7
Red Mountain, California

SAMPLE OF MAGNETICALLY SEPARATED SANDS Page - 2 -

Labty. No.	Mark	GOLD, per ton of 2,000 lbs. Troy Ounces	GOLD, per ton of 2,000 lbs. Value @ $35.00 oz.	SILVER, per ton of 2,000 lbs. Troy Ounces	SILVER, per ton of 2,000 lbs. Value @ $	Percentages TOTAL RARE EARTH OXIDES
49760	9040-D					0.62 %
49762	9041-C					3.35
49763	9041-D					0.37
49764	9042-A					0.04
49765	9042-D					0.82
49766	9042-H					3.52

ABBOT A. HANKS, INC.

Martin P. Durst

FORM A-7

REPORT OF ASSAY

ABBOT A. HANKS, INC.

ASSAYERS, CHEMISTS, ENGINEERS
624 SACRAMENTO STREET
SAN FRANCISCO.

December 17, 1952

DEPOSITED BY Cosumnes Gold Dredging Co.
P. O. Box 7
Red Mountain, California

SAMPLE OF MAGNETICALLY SEPARATED SANDS

Labty. No.	Mark	GOLD, per ton of 2,000 lbs. Troy Ounces	GOLD, per ton of 2,000 lbs. Value @ $35.00 oz.	SILVER, per ton of 2,000 lbs. Troy Ounces	SILVER, per ton of 2,000 lbs. Value @ $	Percentages IRON
49737	9034-A					66.67 %
49741	9035-A					67.03
49745	9036-A					63.40
49749	9037-A					66.06
49753	9038-A					68.36
49755	9039-A					66.12
49758	9040-A					68.97
49761	9041-A					67.76

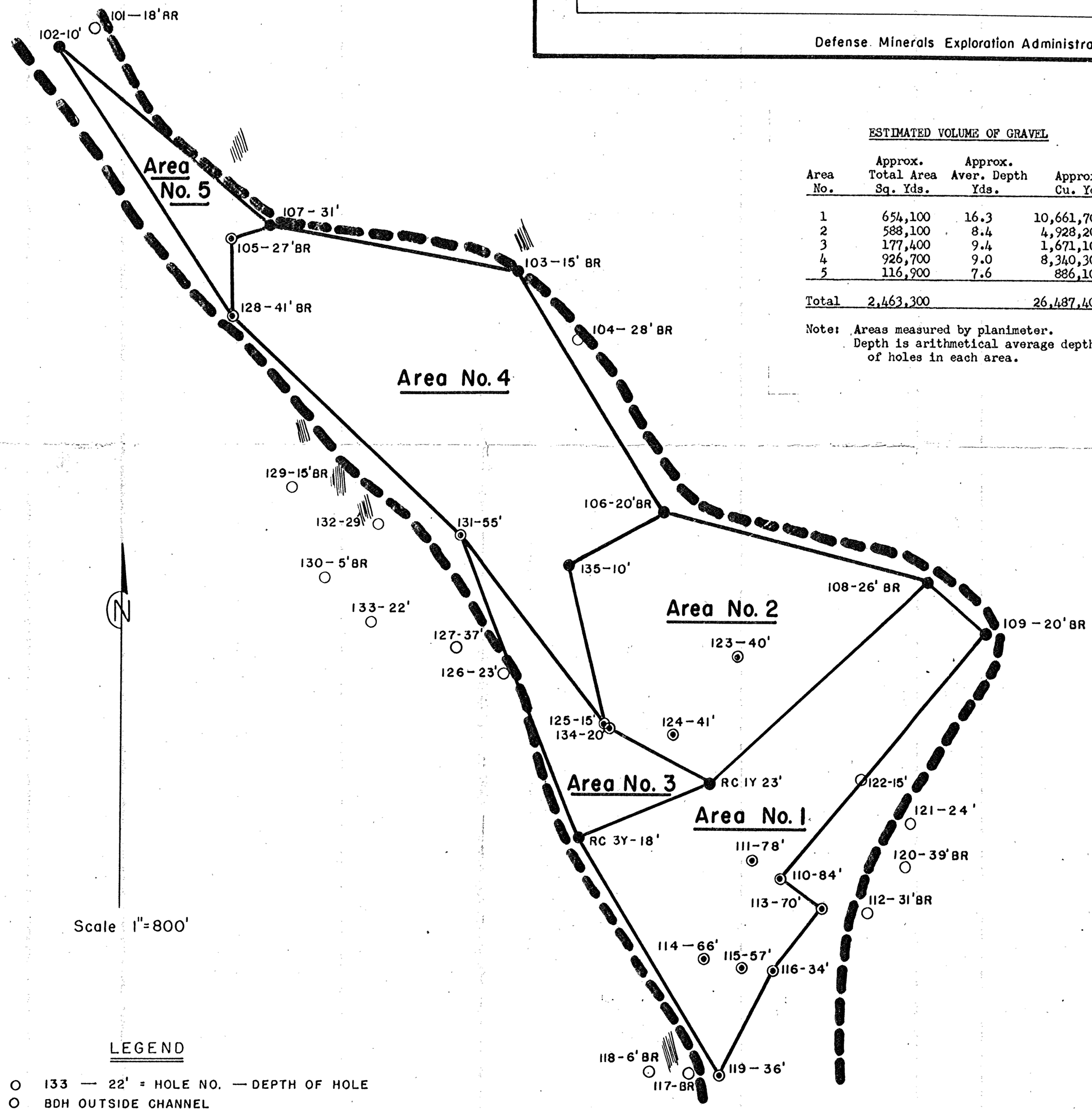
ABBOT A. HANKS, INC.

Martin P. Durst

bob

U. S Department of the Interior

Defense Minerals Exploration Administration



ESTIMATED VOLUME OF GRAVEL

Area No.	Approx. Total Area Sq. Yds.	Approx. Aver. Depth Yds.	Approx. Cu. Yds.
1	654,100	16.3	10,661,700
2	588,100	8.4	4,928,200
3	177,400	9.4	1,671,100
4	926,700	9.0	8,340,300
5	116,900	7.6	886,100
Total	2,463,300		26,487,400

Note: Areas measured by planimeter. Depth is arithmetical average depth of holes in each area.

Feb. 1954

Figure 3 — Location of drill holes in Paddy Flat placer area — Valley County, Idaho. Consumnes Gold Dredging Co. — Docket No. 2265 (monazite) Contract Idm. E - 351

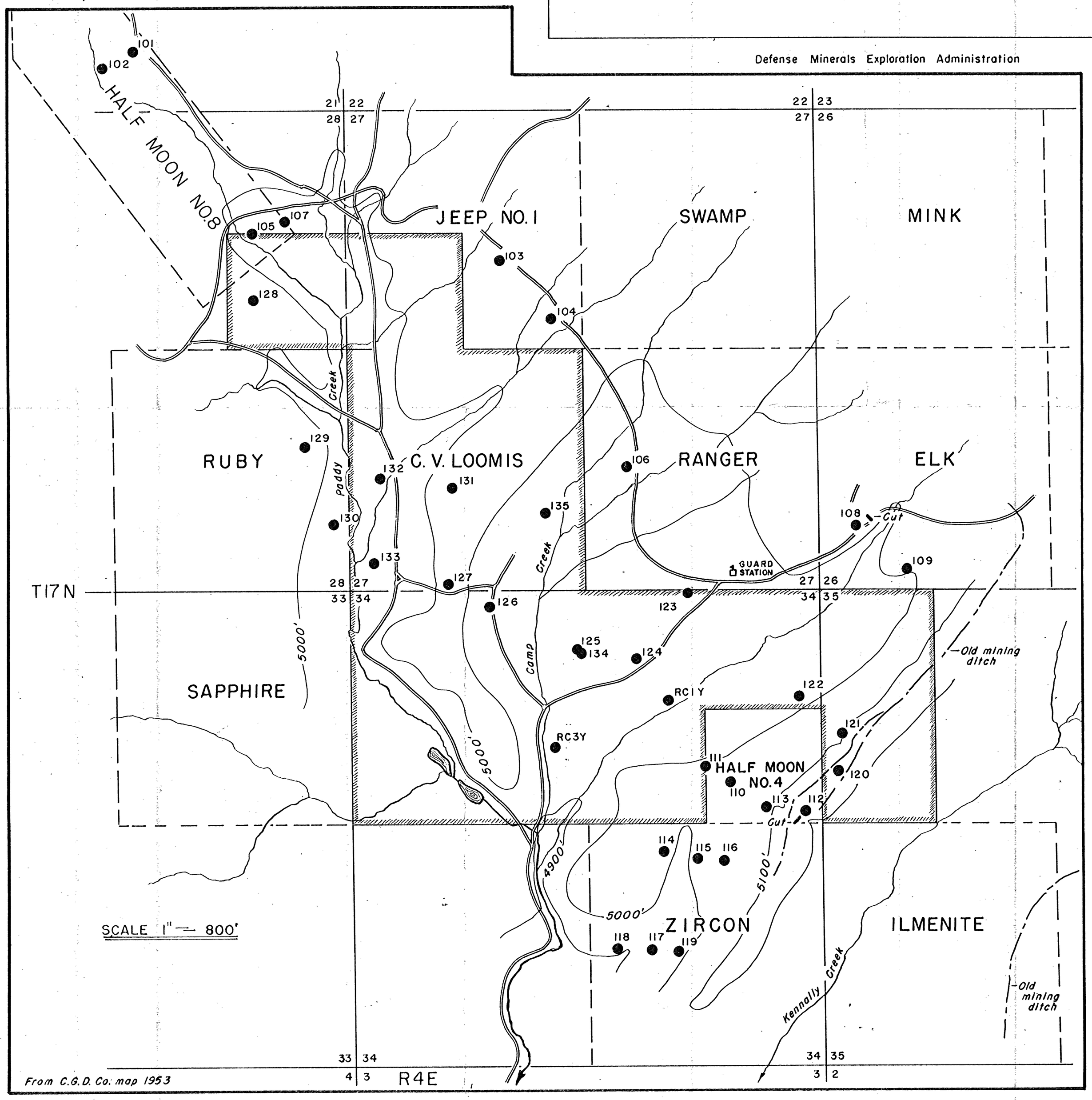
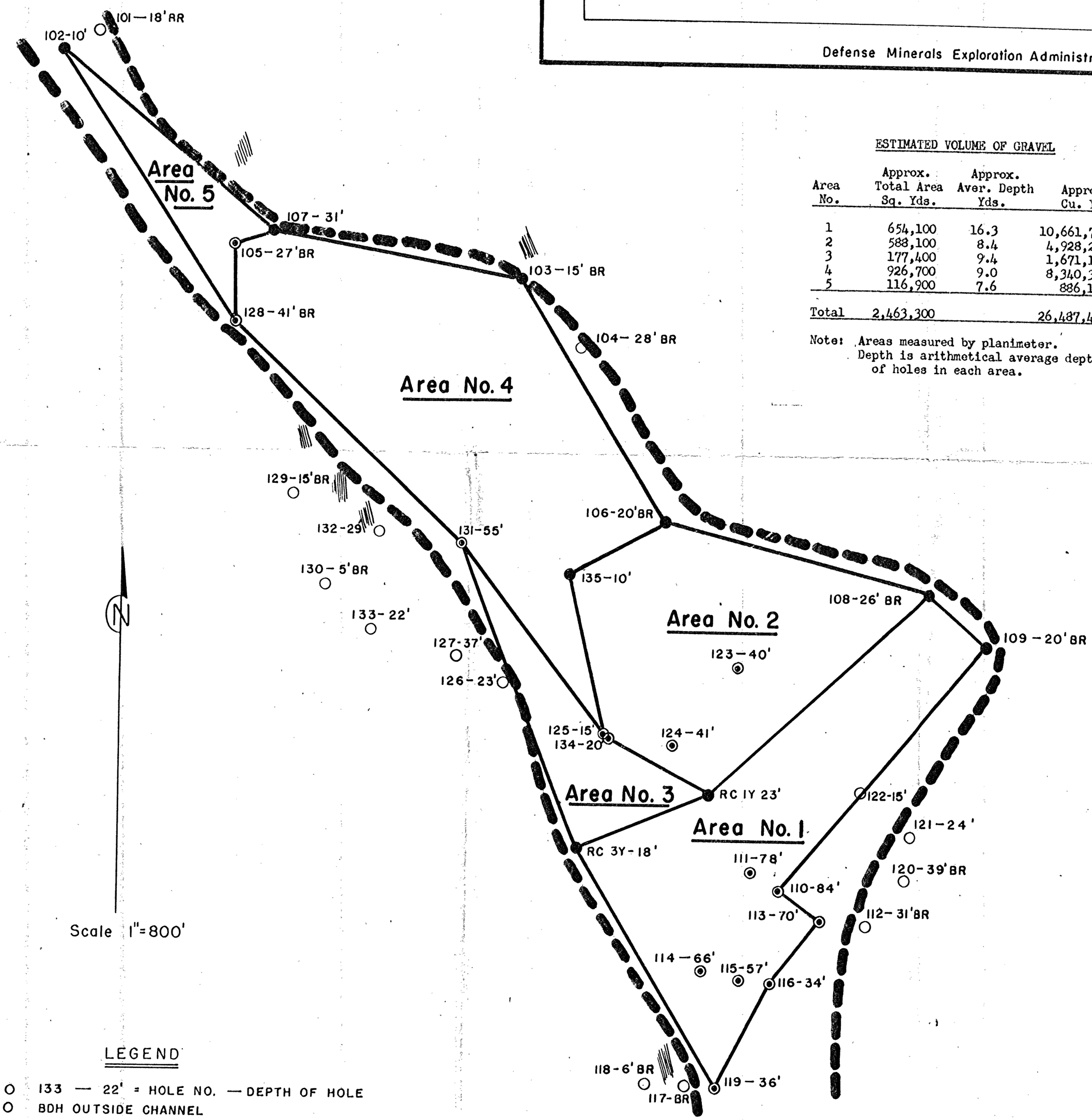


Figure 2.—Paddy Flat, Valley County, Idaho.

Consumnes Gold Dredging Co. – Docket No. 2265 (monazite) Contract Idm. E-351

U. S Department of the Interior

Defense Minerals Exploration Administration



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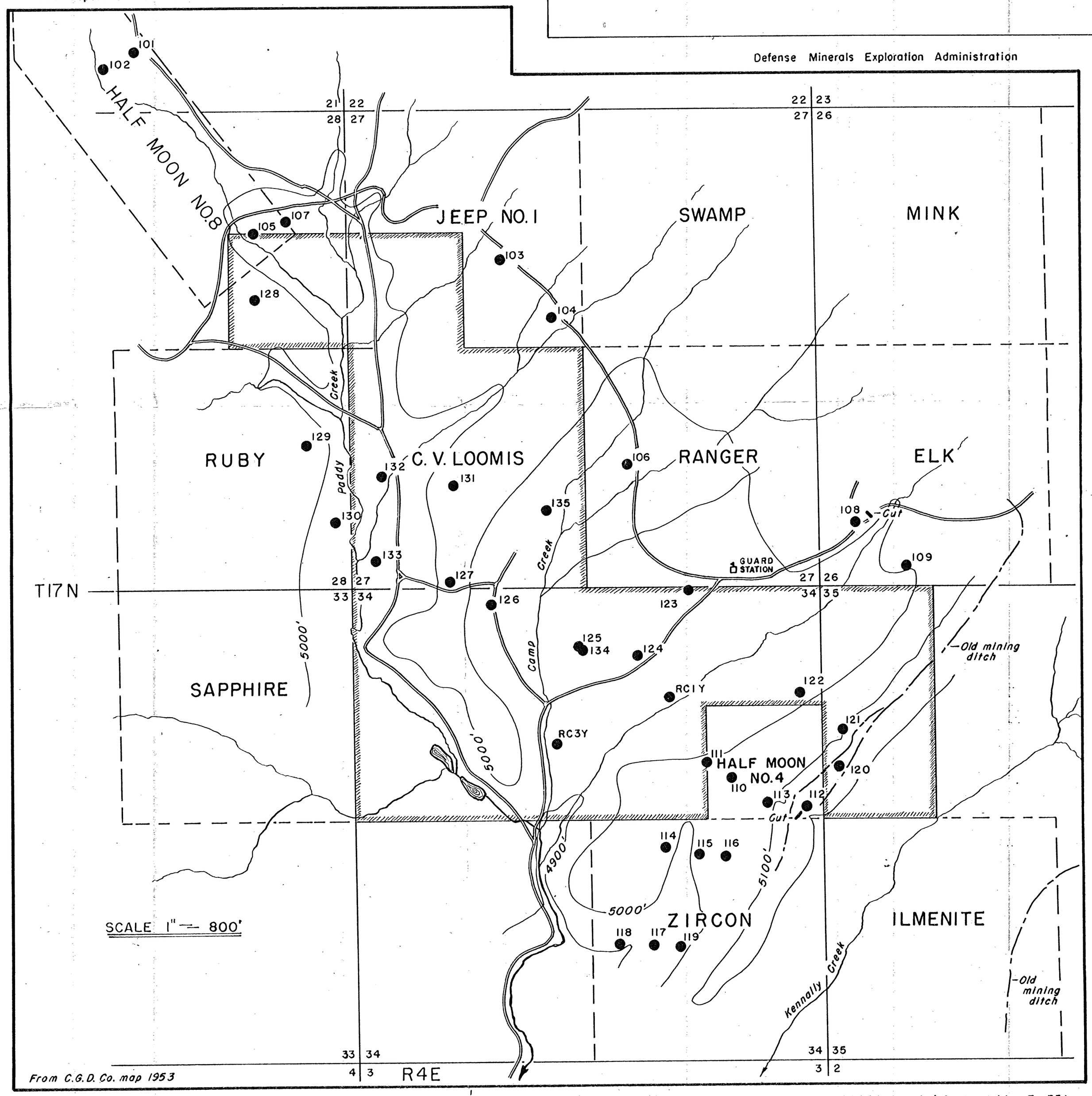
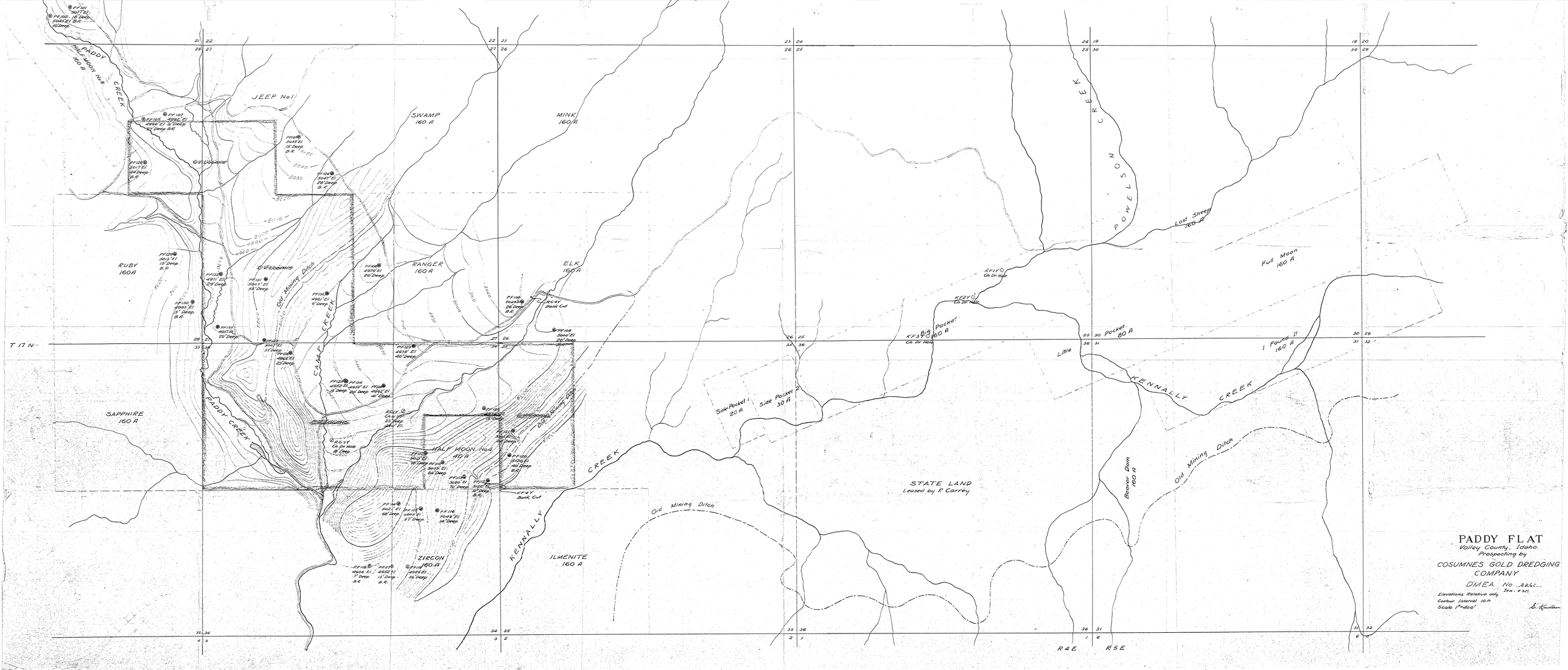
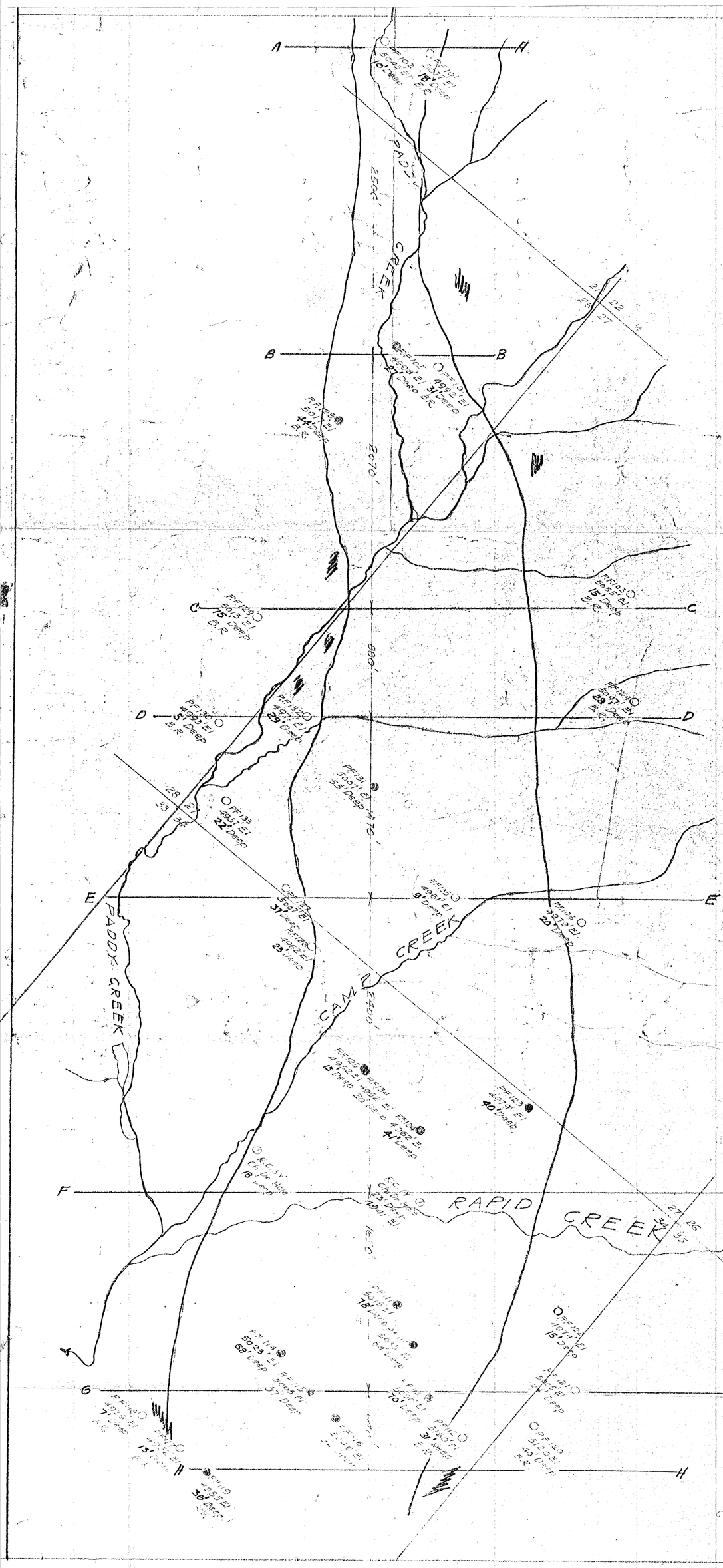


From C.G.D. Co. map 1953

Figure 2.—Paddy Flat, Valley County, Idaho.

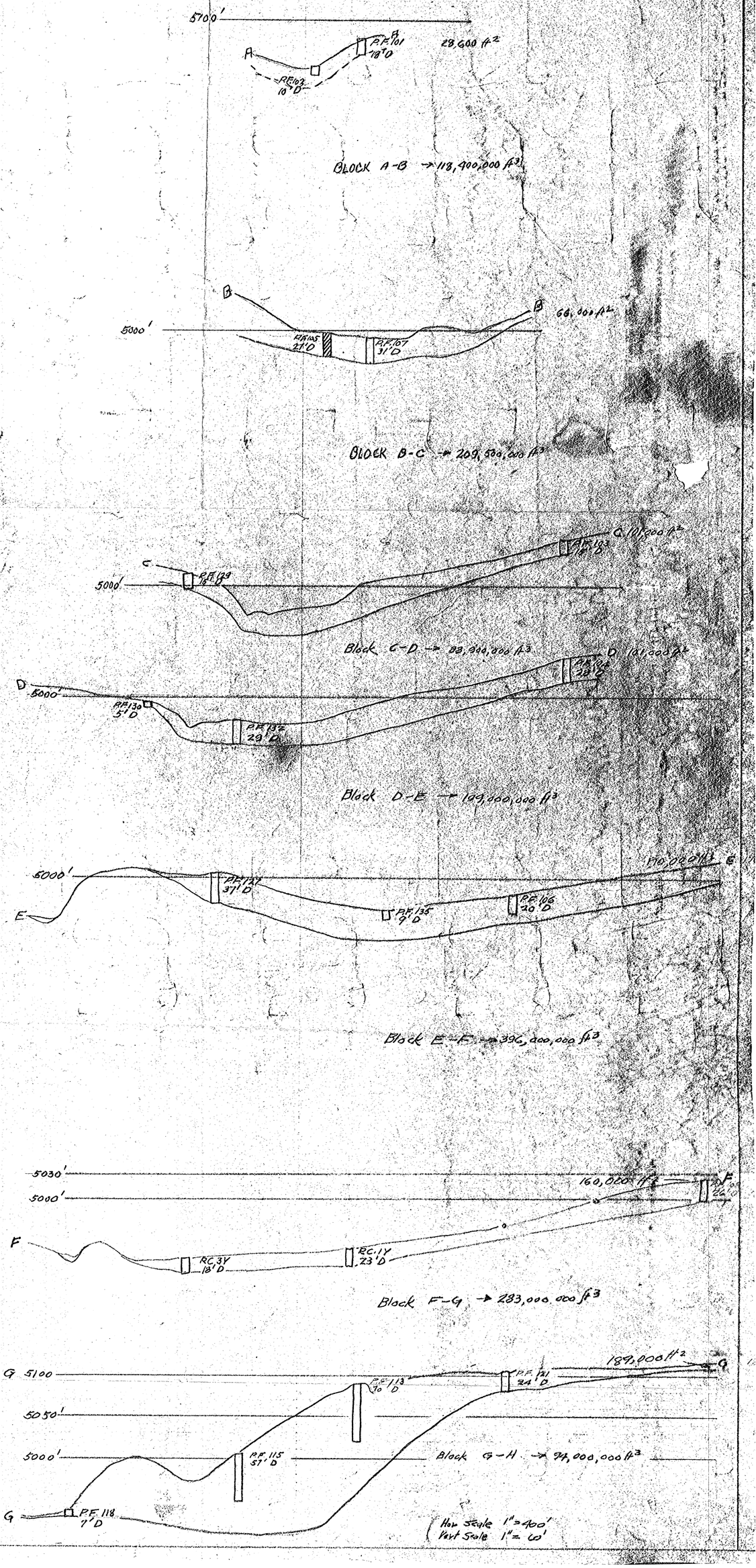
Consumnes Gold Dredging Co. — Docket No. 2265 (monazite) Contract Idm. E-351

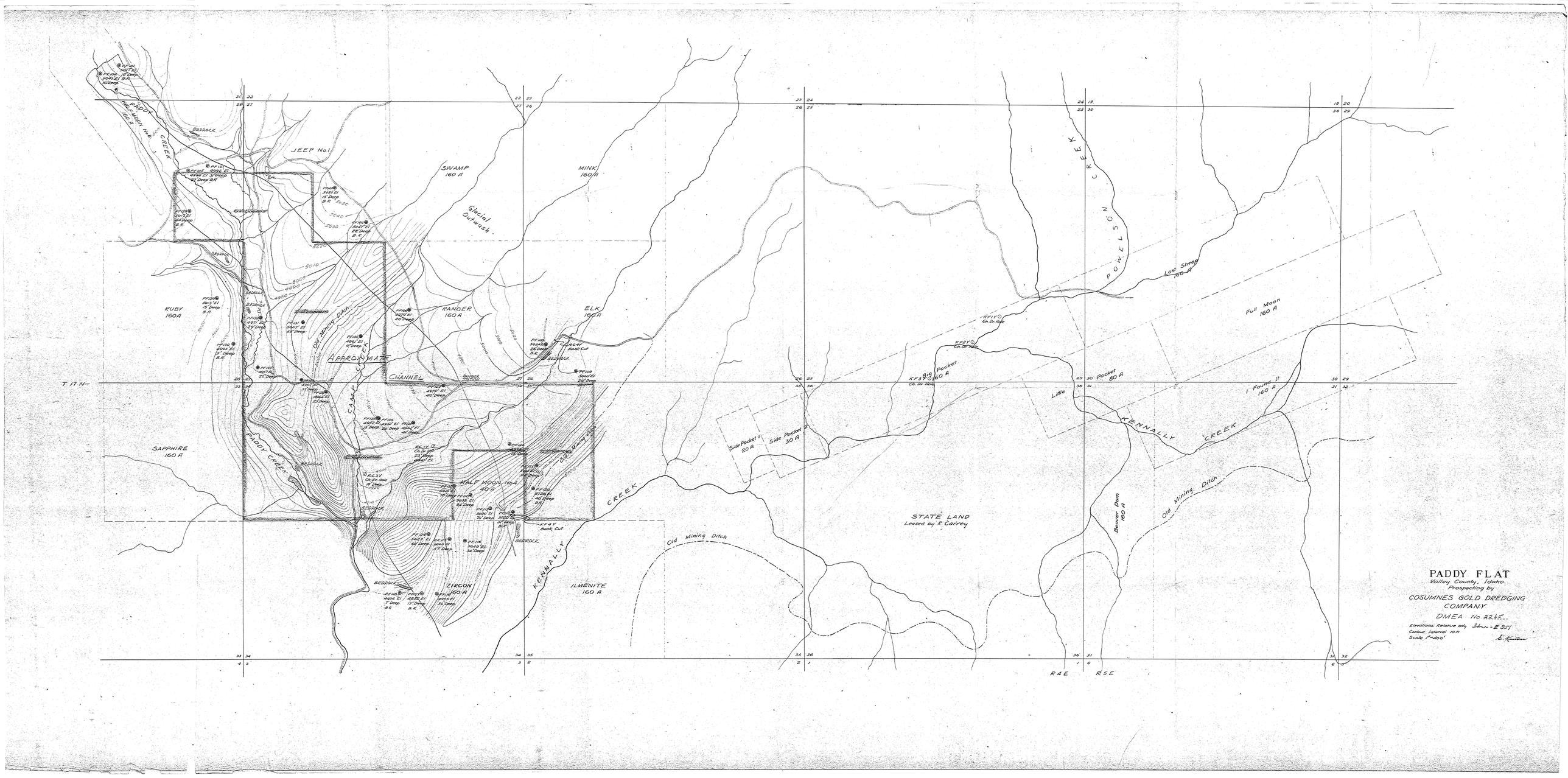

PADDY FLAT
Valley County, Idaho.
Prospecting by
COSUMNES GOLD DREDGING COMPANY
DMEA No. 3266
Elevations Relative only
Contour Interval 10 ft
Scale 1"=400'
T 17 N
R4E
R5E
PADDY CREEK
Half Moon No 1
160 A
JEEP No 1
SWAMP
160 A
MINK
160 A
RANGER
160 A
ELK
160 A
RUBY
160 A
SAPPHIRE
160 A
CAMP CREEK
Old Mining Ditch
HALF MOON No 4
40 A
ZIRCON
160 A
ILMENITE
160 A
KENNALLY CREEK
Old Mining Ditch
STATE LAND
Leased by R. Carney
Side Pocket 1
20 A
Side Pocket 2
30 A
KF3 Big Pocket
160 A
Pocket
80 A
Little
Beaver Dam
160 A
Old Mining Ditch
Lost Sheep
160 A
Full Moon
160 A
I Found It
160 A
POWELSON CREEK
Bank Cut
Ch. Dr. Hole



Total Volume 1,388,800,000 ^{3}
or 51,400,000 Yd^3

PADDY FLAT
CROSS SECTIONS
Idm - E 381




PADDY FLAT
Valley County, Idaho.
Prospecting by
COSUMNES GOLD DREDGING COMPANY
DMEA No 8265
Elevations Relative only Datum - E.B.M.
Contour Interval 10 ft
Scale 1" = 400'
JEEP No 1
SWAMP 160 A
MINK 160 A
Glacial Outwash
RUBY 160 A
RANGER 160 A
ELK 160 A
APPROXIMATE CHANNEL
Old Mining Ditch
CAMP CREEK
PADDY CREEK
SAPPHIRE 160 A
HALF MOON No 4 40 A
ZIRCON 160 A
ILMENITE 160 A
KENNALLY CREEK
Old Mining Ditch
STATE LAND
Leased by R. Carrey
Side Pocket 1 20 A
Side Pocket 2 30 A
Big Pocket 160 A
Little Pocket 80 A
Beaver Dam 160 A
POWELSON CREEK
Lost Sheep 160 A
Full Moon 160 A
I Found It 160 A
T 17 N
R4E
R5E
BEDROCK
Bank Cut