

Brandywine

REPORT
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860120

10-20-1989

Brandywine
~~COASTLINE~~

M588 MOWER PLACER OCT. 20/89 (7) [HEAVY MINERALS]

- 1 SAMPLE WEIGHT IN KG
- 2 %GRANULES IN +10 MESH (<4MM)
- 3 %PEBBLES IN +10 MESH (4-64MM)
- 4 %COBBLES IN +10 MESH (65-256MM)
- 5 +10 MESH WEIGHT IN KG
- 6 -10 MESH WEIGHT IN KG (TABLE FEED)
- 7 MATRIX %SAND ESTIMATE
- 8 MATRIX %SILT ESTIMATE
- 9 MATRIX %CLAY ESTIMATE

	S.WT	%GRAN	%PEB	%COB	+10	-10	%SAND	%SILT	%CLAY
4576	6.90	100			0.05	6.85			
4577	6.70	50	50		0.10	6.60			
4578	6.60	100			0.05	6.55			
4579	6.45	50	50		0.10	6.35			
4580	5.90	100			0.05	5.85			
4581	3.90	50	50		0.10	3.80			
4582	6.95	100			0.05	6.90			

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M588 MOWER PLACER OCT. 20/89 (7) [HEAVY MINERALS]

1 OVERBURDEN CLASSIFICATION TILL(T),GRAVEL(G),SAND(S),SILT(ST),CLAY(C)

2 HEAVY MINERALS MAGNETICS IN GRAMS

3 HEAVY MINERALS NONMAGNETICS IN GRAMS

4 HEAVY MINERALS TOTAL IN GRAMS (MAG+NONMAG)

5 TABLE CONCENTRATE LIGHT FRACTION IN GRAMS (TABLE CONCENTRATE LESS HM)

6 TABLE CONCENTRATE IN GRAMS

7 VISIBLE GOLD GRAIN COUNT

8 AU HNO3/HCL AA MICROGRAMS IN HEAVY MINERALS

9 AU HNO3/HCL AA ppb IN TABLE FEED

CLASS MAG NONMAG H.M. T.LITE T.CONC V.G.

4576	15.23	52.60	67.83	147.14	214.97	8
4577	228.00	69.57	297.57	279.70	577.27	3
4578	9.56	34.30	43.86	129.11	172.97	6
4579	31.84	39.68	71.52	83.16	154.68	1
4580	9.06	52.88	61.94	158.40	220.34	62
4581	7.65	26.54	34.19	89.38	123.57	4
4582	179.28	59.30	238.58	112.50	351.08	24

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160.79= ESTIMATED WEIGHT OF Au IN MICROGRAMS

M588 MOWER PLACER OCT. 20/89 (7) [GOLD GRAIN COUNT] (8) 4576

- 1 GOLD GRAIN WIDTH IN MICRONS
- 2 GOLD GRAIN LENGTH IN MICRONS
- 3 GOLD GRAIN DESCRIPTION
- 4 GOLD GRAIN WIDTH IN MICRONS
- 5 GOLD GRAIN LENGTH IN MICRONS
- 6 GOLD GRAIN DESCRIPTION
- 7 GOLD GRAIN WIDTH IN MICRONS
- 8 GOLD GRAIN LENGTH IN MICRONS
- 9 GOLD GRAIN DESCRIPTION

	W	L	D
	60	100	I
	100	100	A
	120	240	I
	140	160	I
	200	300	I
	240	320	I
	260	260	I/D
	320	440	I/D

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68.65= ESTIMATED WEIGHT OF Au IN MICROGRAMS

M588 MOWER PLACER OCT. 20/89 (7) [GOLD GRAIN COUNT] (3) 4577

- 1 GOLD GRAIN WIDTH IN MICRONS
- 2 GOLD GRAIN LENGTH IN MICRONS
- 3 GOLD GRAIN DESCRIPTION
- 4 GOLD GRAIN WIDTH IN MICRONS
- 5 GOLD GRAIN LENGTH IN MICRONS
- 6 GOLD GRAIN DESCRIPTION
- 7 GOLD GRAIN WIDTH IN MICRONS
- 8 GOLD GRAIN LENGTH IN MICRONS
- 9 GOLD GRAIN DESCRIPTION

W	L	D
60	80	I
220	240	A/I
240	440	A/I

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698.67= ESTIMATED WEIGHT OF Au IN MICROGRAMS

M588 MOWER PLACER OCT. 20/89 (7) [GOLD GRAIN COUNT] (6) 4578

- 1 GOLD GRAIN WIDTH IN MICRONS
- 2 GOLD GRAIN LENGTH IN MICRONS
- 3 GOLD GRAIN DESCRIPTION
- 4 GOLD GRAIN WIDTH IN MICRONS
- 5 GOLD GRAIN LENGTH IN MICRONS
- 6 GOLD GRAIN DESCRIPTION
- 7 GOLD GRAIN WIDTH IN MICRONS
- 8 GOLD GRAIN LENGTH IN MICRONS
- 9 GOLD GRAIN DESCRIPTION

	W	L	D
	120	160	I
	140	260	I
	320	620	I/A
	400	400	A/I
	420	760	A/I
	500	700	A/I

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47.08= ESTIMATED WEIGHT OF Au IN MICROGRAMS

M588 MOWER PLACER OCT. 20/89 (7) [GOLD GRAIN COUNT] (1) 4579

- 1 GOLD GRAIN WIDTH IN MICRONS
- 2 GOLD GRAIN LENGTH IN MICRONS
- 3 GOLD GRAIN DESCRIPTION
- 4 GOLD GRAIN WIDTH IN MICRONS
- 5 GOLD GRAIN LENGTH IN MICRONS
- 6 GOLD GRAIN DESCRIPTION
- 7 GOLD GRAIN WIDTH IN MICRONS
- 8 GOLD GRAIN LENGTH IN MICRONS
- 9 GOLD GRAIN DESCRIPTION

W L D

260 400 I

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902.24= ESTIMATED WEIGHT OF AU IN MICROGRAMS

M588 MOWER PLACER OCT. 20/89 (7) [GOLD GRAIN COUNT] (62) 4580

- 1 GOLD GRAIN WIDTH IN MICRONS
- 2 GOLD GRAIN LENGTH IN MICRONS
- 3 GOLD GRAIN DESCRIPTION
- 4 GOLD GRAIN WIDTH IN MICRONS
- 5 GOLD GRAIN LENGTH IN MICRONS
- 6 GOLD GRAIN DESCRIPTION
- 7 GOLD GRAIN WIDTH IN MICRONS
- 8 GOLD GRAIN LENGTH IN MICRONS
- 9 GOLD GRAIN DESCRIPTION

W	L	D	W	L	D
20	40	I	140	280	I
40	80	I	140	160	I
40	100	I	160	220	A
40	60	I	160	220	A/I
40	80	I	160	280	I
40	40	I	180	200	A/I
60	100	I	180	220	I
60	60	I	180	300	A/R
60	100	I	180	240	A
60	80	I/D	200	220	A/R
60	100	I	200	280	I/D
60	120	I	200	200	A/I
60	80	I	200	280	I
60	80	I	200	220	A/I
60	100	I	220	260	I/D
80	80	I	280	340	A
80	80	I/A	280	420	A
80	160	I	280	400	I
80	140	I/D	320	460	A
80	100	I	320	420	A
80	100	A	380	680	A
80	120	A	440	540	A
80	100	A			
80	100	A			
100	140	I/A			
100	120	A/R			
100	100	I			
100	140	A			
100	120	I/D			
100	120	I/A			
120	120	I/A			
120	140	A/I			
120	160	A			
120	120	I/A			
120	160	A			
140	140	A/I			
140	380	I			
140	180	A/I			
140	220	I			
140	200	I/A			

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158.94= ESTIMATED WEIGHT OF AU IN MICROGRAMS

M588 MOWER PLACER OCT. 20/89 (7) [GOLD GRAIN COUNT] (4) 4581

- 1 GOLD GRAIN WIDTH IN MICRONS
- 2 GOLD GRAIN LENGTH IN MICRONS
- 3 GOLD GRAIN DESCRIPTION
- 4 GOLD GRAIN WIDTH IN MICRONS
- 5 GOLD GRAIN LENGTH IN MICRONS
- 6 GOLD GRAIN DESCRIPTION
- 7 GOLD GRAIN WIDTH IN MICRONS
- 8 GOLD GRAIN LENGTH IN MICRONS
- 9 GOLD GRAIN DESCRIPTION

	W	L	D
	80	140	I
	80	120	A/I
	280	320	A/I
	400	520	A

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920.79= ESTIMATED WEIGHT OF Au IN MICROGRAMS

M588 MOWER PLACER OCT. 20/89 (7) [GOLD GRAIN COUNT] (24) 4582

- 1 GOLD GRAIN WIDTH IN MICRONS
- 2 GOLD GRAIN LENGTH IN MICRONS
- 3 GOLD GRAIN DESCRIPTION
- 4 GOLD GRAIN WIDTH IN MICRONS
- 5 GOLD GRAIN LENGTH IN MICRONS
- 6 GOLD GRAIN DESCRIPTION
- 7 GOLD GRAIN WIDTH IN MICRONS
- 8 GOLD GRAIN LENGTH IN MICRONS
- 9 GOLD GRAIN DESCRIPTION

W	L	D
80	100	A/I
80	100	I
80	140	I
100	200	I/D
100	140	I
100	200	I
100	160	A
120	140	A
140	220	D
140	160	I
160	200	A
160	240	I
180	180	I
200	320	A/I
220	280	A
240	360	A
260	300	A
260	420	I/A
280	540	A/I
280	480	I/A
300	340	I
360	600	I
400	480	A/I
520	700	I