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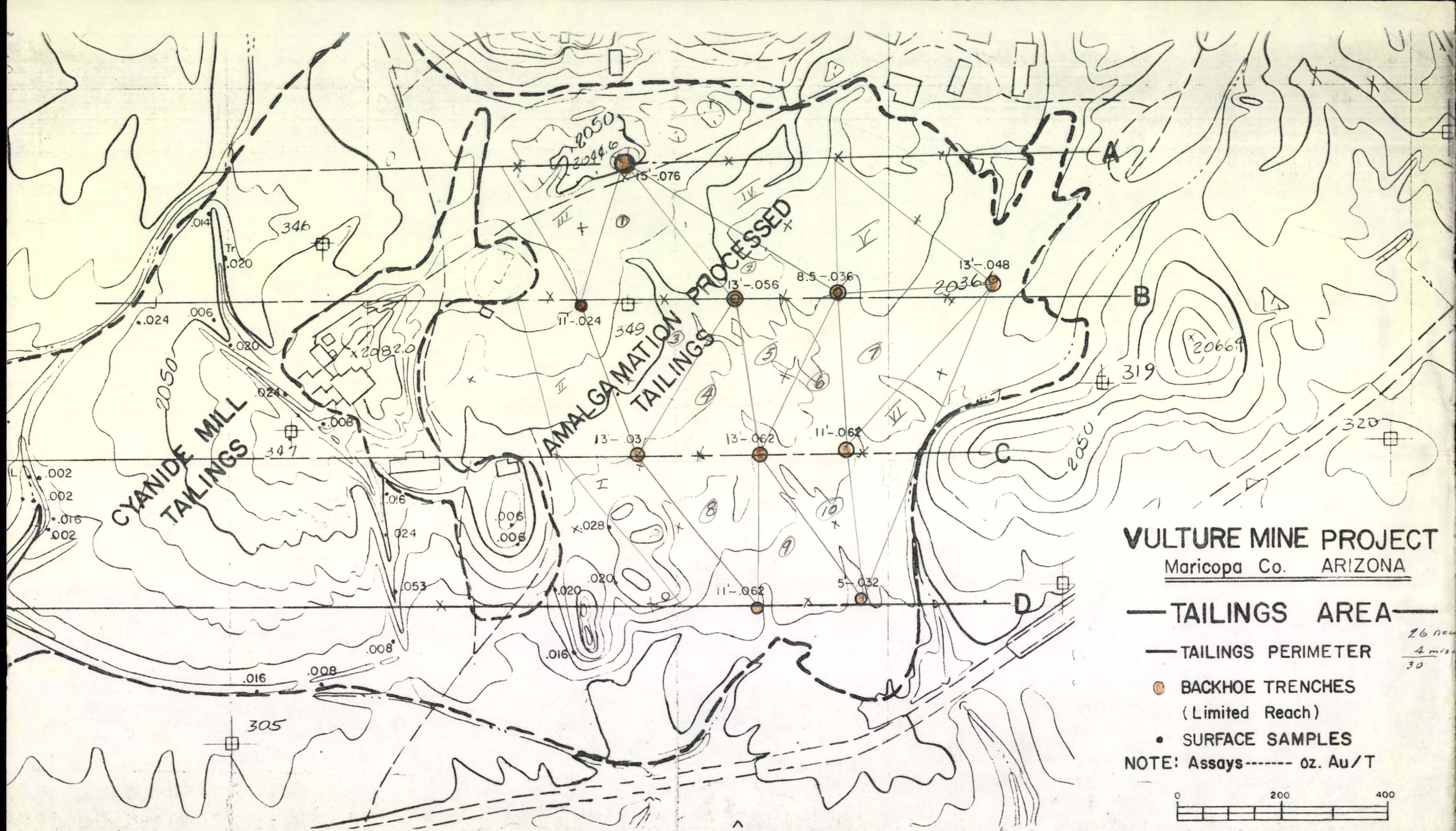
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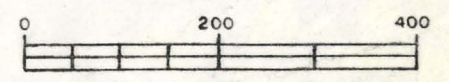
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VULTURE MINE PROJECT
 Maricopa Co. ARIZONA

- TAILINGS AREA —
 - TAILINGS PERIMETER —
 - BACKHOE TRENCHES
(Limited Reach)
 - SURFACE SAMPLES
- NOTE: Assays ----- oz. Au/T



backhoe
 10 holes = 0.048 oz
 11/9'

Scale: 1"=200' OCT.1982 By G.D.H

Backhoe?

1/25/94
BFD

Vulture Tailings calculation

Triangle

Backhoe Trenches

①

$$\frac{1}{2} \times 300 \times 260 = 39,000 \text{ft}^2 \times 13'$$

$$15 \times 0.076 = 1.140$$

$$11 \times 0.024 = 0.264$$

$$\underline{13 \times 0.056 = 0.728}$$

$$39 \qquad 2.132$$

$$13' \quad 0.0547$$

$$\text{Tons} = \frac{39,000 \cdot 13}{23} = 22,043, 0.0547$$

②

$$\frac{1}{2} 580 \times 120 = 34,800 \text{ft}^2$$

$$15 \times 0.076 = 1.140$$

$$13 \quad 0.056 = 0.728$$

$$\underline{8.5 \quad 0.036 = 0.306}$$

$$36.5' \qquad 2.174$$

$$12.2' \quad 0.0595$$

$$\text{Tons} = \frac{34,800 \cdot 12.2}{23} = 18,459, 0.0545$$

③

$$\frac{1}{2} \times 300' \times 300' = 45,000 \text{ft}^2$$

$$11 \times 0.024 = 0.264$$

$$13 \times 0.056 = 0.728$$

$$\underline{13 \times 0.030 = 0.390}$$

$$37 \qquad 1.382$$

$$12.3' \quad 0.0374$$

$$\text{Tons} = \frac{45,000 \cdot 12.3}{23} = 24,065 \quad 0.0374$$

④

$$\frac{1}{2} \times 350' \times 200' = 35,000 \text{ ft}^2$$

$$13' \quad 0.030 = 0.390$$

$$13' \quad 0.056 = 0.728$$

$$13' \quad 0.062 = \underline{0.806}$$

$$39 \qquad \qquad \qquad 1.924$$

13' of 0.0493

$$T_{0.02} = \frac{35,000 \cdot 13}{23} = 19,780 \quad 0.049302$$

⑤

$$\frac{1}{2} \times 350' \times 180' = 31,500 \text{ ft}^2$$

$$13 \quad 0.062 = 0.806$$

$$13 \quad 0.056 = 0.728$$

$$8.5 \quad 0.036 = \underline{0.306}$$

$$34.5 \qquad \qquad \qquad 1.840$$

11.5' of 0.0533

$$T_{0.02} = \frac{31,500 \cdot 11.5}{23} = 15,750 \quad 0.053302$$

⑥

$$\frac{1}{2} \times 170' \times 300 = 25,500 \text{ ft}^2$$

$$13' \quad 0.062 = 0.806$$

$$11' \quad 0.062 = 0.682$$

$$8.5 \quad 0.036 = \underline{0.306}$$

$$32.5 \qquad \qquad \qquad 1.794$$

10.8' of 0.0552

$$T_{0.05} = \frac{25,500 \cdot 10.8}{23} = 11,974 \quad 0.0552$$

⑦

$$\begin{aligned}\frac{1}{2} \times 440' \times 220' &= 48,400 \text{ ft}^2 \\ 8.5 \times 0.036 &= 0.306 \\ 13 \times 0.048 &= 0.624 \\ \underline{11 \times 0.062} &= \underline{0.682} \\ 32.5' & \qquad 1.612 \\ 10.8' \text{ of} & \qquad 0.0496\end{aligned}$$

$$T_{on2} = \frac{48,400 \times 10.8'}{23} = 22,727 \text{ of } 0.0496$$

⑧

$$\begin{aligned}\frac{1}{2} \times 240 \times 290 &= 34,800 \text{ ft}^2 \\ 13 \times 0.03 &= 0.390 \text{ —} \\ 13 \times 0.062 &= 0.806 \\ \underline{11 \times 0.062} &= \underline{0.682} \\ 37 & \qquad 1.878 \\ 12.3' \text{ of} & \qquad 0.0507\end{aligned}$$

$$T_{on1} = \frac{34,800 \times 12.3}{23} = 18,610 \text{ of } 0.0507$$

⑨

$$\begin{aligned}\frac{1}{2} \times 200 \times 290 &= 29,000 \text{ ft}^2 \\ 13 \times 0.062 &= 0.806 \\ 11 \times 0.062 &= 0.682 \\ \underline{5 \times 0.032} &= \underline{0.160} \\ 29 & \qquad 1.648 \\ 9.6' \text{ of} & \qquad 0.0568\end{aligned}$$

$$T_{on2} = \frac{29,000 \times 9.6}{23} = 12,100 \text{ of } 0.0568$$

10

1/2 x 330' x 150' = 24,750 ft²

11' 0.062 = 0.682

13' 0.062 = 0.806

5' 0.032 = 0.160

29 1.648

9.6' of 0.0568

Tons = (24,750 x 9.6) / 23 = 10,330 of 0.0568

Total (Triangles)



Tons (23 ft³)

Grade

T x G (oz)

1 22,043 0.0547 1205.75

2 18,549 0.0595 1103.66

3 24,065 0.0374 900.03

4 19,780 0.0493 975.15

5 15,750 0.0533 839.48

6 11,974 0.0552 660.96

7 22,727 0.0496 1127.26

8 18,610 0.0507 943.53

9 12,100 0.0568 687.28

10 10,330 0.0568 586.74

Total 175,928 9029.84

0.051

Summary

Tons

Grade

grade prob ± 5%
dilution?

"Semi Proven" 175,000

0.051

? Possible (?) 100,000

0.044 ?

P. Total 275,000

0.048 (w/1)

"Maybe" another 75,000 to see grade

say 35,000 to 0.045 after ± 5%

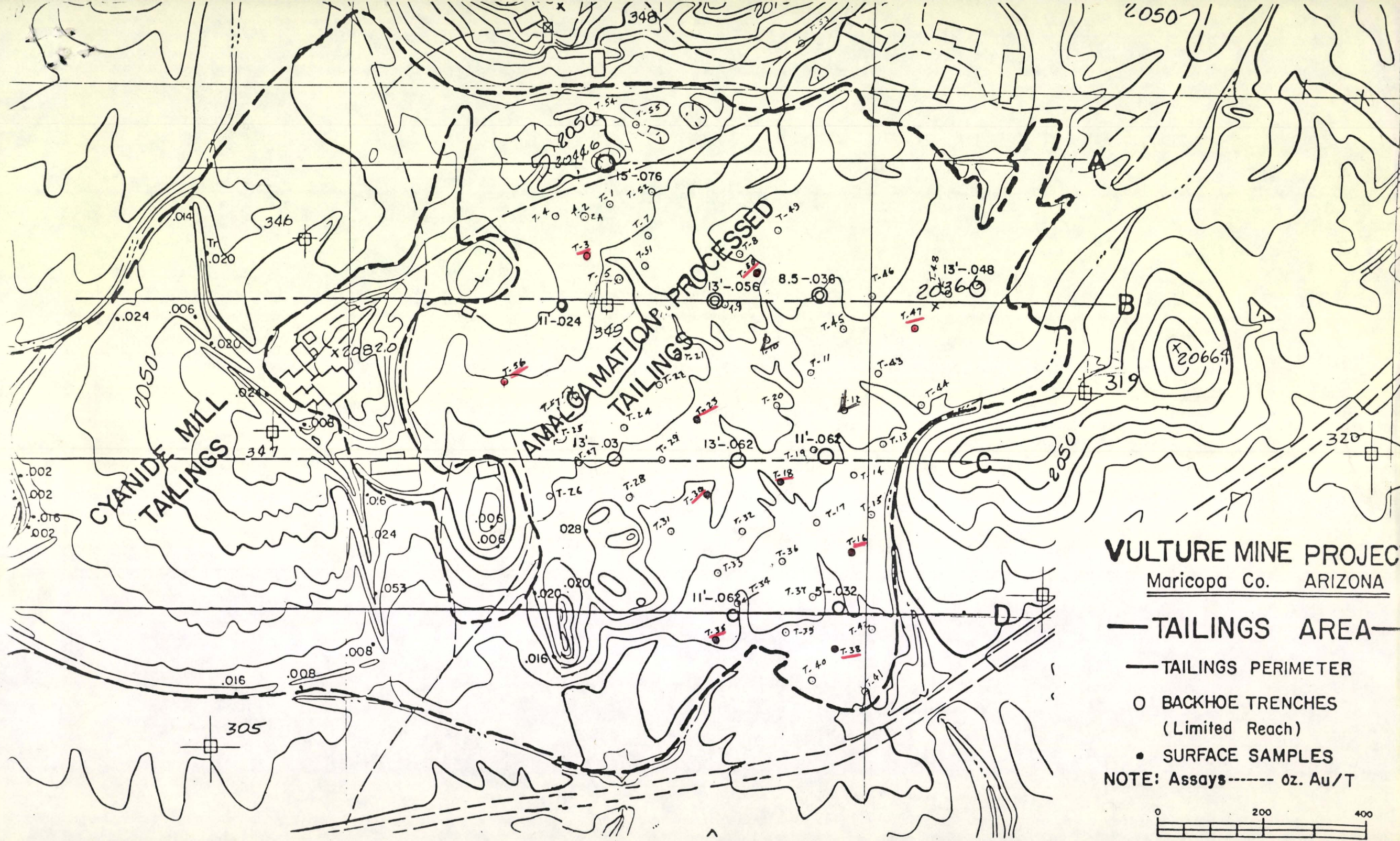
	Possible? (maybe)	T	oz	Txoz
I	$370 \times 120 \times 12 \div 23 = 23,200$		0.046	1067
II	$310 \times 150 \times 12 \div 23 = 24,200$		0.027	653
✓ III	$\frac{1}{2} \times 300 \times 200 \times 13 \div 23 = 17,000$		0.050	850
✓ IV	$\frac{1}{2} \times 270 \times 400 \times 10 \div 23 = 23,400$		0.056	1310
✓ V	$\frac{1}{2} \times 400 \times 200 \times 10 \div 23 = 17,300$		0.042	726
VI	$\frac{1}{2} \times 670 \times 150 \times 7 \div 23 = 15,300$		0.047	743
	120,400			5349
			0.0444	

If factor $18ft^3$ instead $23ft^3$, tons increase by 25% to 150,000. Use 110,000 for safety; irregular top, bottom and unextractable at good cost.

Note: 0.5' in thickness

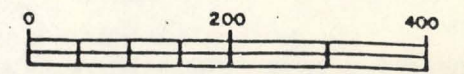
III, IV, V	= 57,900t	0.0502	288602
1-10	= 175,900	0.051	897102
	233,600		11,857
		0.0507	

$$\text{@ } \# 325 = 2.89 \text{ mm recoverable}$$



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 Maricopa Co. ARIZONA

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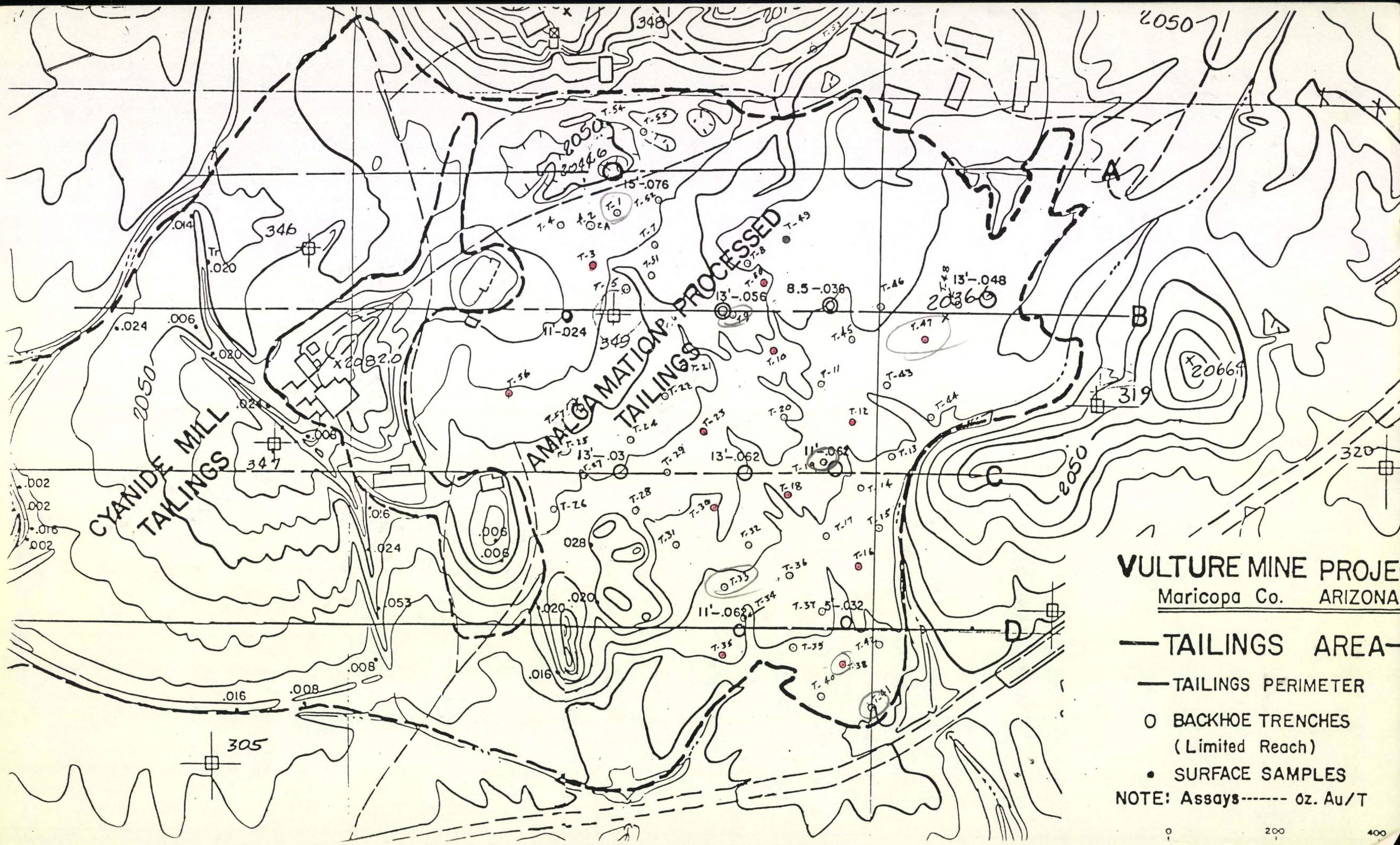
Vulture Mine Samples

Tailings

3/14/84

Hole No & Depth

T-1	-	25'	T-28	-	17'	T-55	-	20'
T-2	-	23 1/2	T-29	-	20	T-56	-	20
T-3	-	19	T-30	-	10	T-57	-	18
T-4	-	17 1/2	T-31	-	15			
T-5	-	20	T-32	-	5			
T-6	-	20	T-33	-	5			
T-7	-	20	T-34	-	5			
T-8	-	15	T-35	-	5			
T-9	-	13 1/2	T-36	-	5			
T-10	-	10	T-37	-	10			
T-11	-	5	T-38	-	10			
T-12	-	5	T-39	-	5			
T-13	-	12	T-40	-	10			
T-14	-	10	T-41	-	10			
T-15	-	9	T-42	-	5			
T-16	-	15	T-43	-	5			
T-17	-	5	T-44	-	8			
T-18	-	5	T-45	-	5			
T-19	-	10	T-46	-	5			
T-20	-	10	T-47	-	8			
T-21	-	17	T-48	-	5			
T-22	-	20	T-49	-	7 1/2			
T-23	-	17	T-50	-	10			
T-24	-	20	T-51	-	20			
T-25	-	19	T-52	-	18			
T-26	-	10	T-53	-	14			
T-27	-	20	T-54	-	10			



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— TAILINGS AREA —

— TAILINGS PERIMETER

○ BACKHOE TRENCHES
 (Limited Reach)

• SURFACE SAMPLES

NOTE: Assays----- oz. Au/T

T-1 0-5
5-10
10-15
15-19
19-25
Avg .053 OPT

T-9 0-5
5-10
10-13.5
Avg .038 OPT

T-19 0-5
5-10
Avg .048 OPT

T-47 0-5
5-8
Avg .047 OPT

T-33 0-5
Avg .035 OPT

T-38 0-5
5-10
Avg .037 OPT

T-41 0-5
5-10
Avg .064 OPT

Tails Samples for Hg Assay

1	T-38 ✓	0-5	"	T-56 ✓	0-5
		5-10			5-10
					10-15
2	T-16 ✓	0-5			15-20
		5-10			
		10-15	12	T-47 ✓	0-5
					5-8
3	T-12	0-5	Lot		
4	T-50 ✓	0-5		T-49	
		5-10			
5	T-10	0-5	LOST		
		5-10			
6	T-18 ✓	0-5			
7	T-35 ✓	0-5			
8	T-30 ✓	0-5			
		5-10			
9	T-23 ✓	0-5			
		5-10			
		10-15			
		15-17			
10	T-3	0-5 ✓			
		5-10			
		10-15			
		15-19			