

673570

SHAFT ZONE - TROJAN PROPERTY

October 10, 1969.

Tonnage & Grade Calculations:

Block	Height	Tons/V. ft.	Tons	DD Grade	Adjusted Grade	Grade X Tons
0 - 25	25'	1078	26950	0.82	1.64	44198
25 - 75	50'	1078	53900	0.82	1.64	88396
75 - 125	50'	1433	71650	0.55	1.10	78815
125 - 175	50'	1762	88100		2.07	182367
(includes level)						
175 - 225	50'	1765	88250	0.96	1.92	169440
225 - 275	50'	1763	88150	0.76	1.52	133988
275 - 300	25'	1652	41300	0.60	1.20	49560
			<u>Total Tons</u>		<u>Aver. Grade</u>	
			(1)		(2)/(1) =	(2)
			458300		1.63	746764

Below 300' :

300 - 325	25	1652	41300	0.60	1.20	49560
325 - 375	50			0.99	1.98	

Insufficient information to estimate tonnage below 325' or grade below 375'.

All measurements are from surface down.

General Notes:

Grade and tonnage were calculated from DDH using vertical lifts of 50'.

Grade was determined from DDH assays weighted according to length of intercept, and multiplied by 2.0, the factor determined on the 150 ft. level. Tonnage was determined from area measured by planimeter.

(BLOCKS 0 - 25 AND 25 - 75)

Level + 100 (from level + 75 to level + 125)

DDH 26	58 - 108	50'	1.02	51.0
D1	40 - 90	50'	0.68	34.0
D2	55 - 105	50'	0.12	6.0
D4	43 - 93	50'	0.80	40.0
D5	48 - 98	50'	0.58	29.0
64-1	40 - 90	50'	0.07	3.5
U9	75 - 125	50'	1.73	86.5
U10	80 - 135	55'	1.49	81.9
		<u>405'</u>	<u>0.82</u>	<u>331.9</u>
			X 2 =	<u>1.64</u>

(BLOCK 75' TO 125')

Level + 50' (from level + 25 to level +75)

	115 19'		<u>Sludge Aver.</u>	<u>ft. X Assay</u>
DDH 30	63 - 134	71'	1.11	78.7
26	108 - 128	20'	1.02	20.4
D1	90 - 140 (88 - 144.6)	50'	0.28	14.0
D2	105 - 155	50'	0.15	7.5
D4	93 - 143	50'	0.18	9.0
D5	98 - 148	50'	0.18	9.0
64-1	90 - 140	50'	0.43	21.5
U9	20 - 75	55'	0.70	38.5
U11	27 - 56	29'	0.76	22.0
U15	60 - 80	20'	1.25	25.0
				<u>245.6</u>
			Aver. -0.55	
			X2 = 1.10	

(BLOCK 125 TO 175')

For DDH Level Assay Plan

DDH 31	170 - 240	(Aver, 184 - 369 Sludge 1.44%)
11	112 - 170	(Aver, 105 - 165 Sludge 2.23%)
30	135 - 205	(Aver, 115 - 288 Sludge 1.11%)
20	Cuts Zone @ 100' below level.	
D1	140 - end (159.5)	0.10 (Ore 59.3 - 80 Aver. 1.13%) Remainder in fault ?
D2	155 - 205	0.12 (Ore 38.5 - 49, 283 - 303)
D4	143 - 193	0.46 (Aver, 174 - 264 1.12% , 64 - 84 1.34%)
D5	148 - 198	0.66
64-1	140 - 190	1.18

31 70 X 1.44 = 100.7

11 58 X 2.23 = 129.3

30 70 X 1.11 = 77.7

(Factor $\frac{2.07}{1.03} = 2$)

D1 19.5 X 0.10 = 2.0

D2 50 X 0.12 = 6.0

D4 50 X 0.46 = 23.0

D5 50 X 0.66 = 33.0

64-1 50 X 1.18 = 59.0

4175	43.07	Aver. 1.03
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Average of core - low and sludge - high. Dubious value of vert. holes where faults are steep. All "D" holes except D - 1 pass through good ore sections on level.

Inaccuracies - (1) Used average for mineralized sections as reported in Report No.1 - Hill - Jan/57. Detailed assays for level section not known here.

Note: In Report No.5 - Hill - Starck, July/61 Ore reserves calc. by dividing into 25' lifts and averaging DD assays. Shown on maps with this report - not available here. Proven ore to -500' 373,200 T plus indicated 346,300 @1.41 (Total 719,500)

(BLOCK 175 - 225)

Level -50'					Assay ft.
DDH	31	240' - 313	@1.44	73'	105.0
	11	170' - 233	@1.11	63'	70.0
	30	205 - 275	@1.11	70'	77.7
	D2	205 - 255	@0.19	50'	9.5
	D4	193 - 243	@1.17	50'	58.5
	D5	198 - 248	@0.03	50'	1.5
	64-1	190 - 240	@1.70	50'	85.0
	U3	63 - 95	@0.36	32'	11.5
	(Assays not available)				
				438'	41.87
					0.96

(BLOCK 225 - 275')

Level - 100' (-75 to -125)					
DDH	31	313 - 369(end)	@1.44	53	72.0
	11	233 - 303	@1.11	70	77.7
	30	275 - 288(end)	@1.11	13	14.4
	D2	255 - 305	@0.58	50	29.0
	D4	243 - 293	@0.58	50	29.0
	D5	248 - 298	@0.50	50	25.0
	64-1	240 - 290	@0.20	50	10.0
	U3	95 - 155	@0.62	60	37.2
	20	210 = 232	@1.00	22	22.0
				418	316.3
					(0.76)

(BLOCK 275 - 300)

(BLOCK 300 - 325)

Level - 150 (-125 to -175)

DDH 11	303 - 345 (end of bx)	@1.11	42	46.6
20	232 - 292	@1.00	60	60.0
D2	305 - 337 (end)	@0.31	32	9.9
D4	293 - 335 (end)	@0.80	42	33.6
D5	298 - 334 (end)	@0.08	36	2.9
64-1	290 - 340	@0.31	50	15.5
U3	155 - 218	@0.41	63	25.8
			<u>325</u>	<u>194.3</u>
				(0.60)

(BLOCK 325 - 375')

Level - 200' (-175 to -225)

DDH 20	292 - 352	60	@1.80	108.0
64-1	340 - 390	50	@0.52	26.0
U 3	218 - 283	65	@0.60	39.0
		<u>175</u>		<u>173.0</u>
			(0.99)	