

Upper Panel		U.G.		Pb		Zn		Ag		Tonnage		Pb		Zn		Ag	
#	Block	Pb	Zn	Ag	m ³	x	SG	Tonnage	Pb	Zn	Ag	Pb	Zn	Ag	Pb	Zn	Ag
7	14	4.73	9.42	87	51,087.5	X	4.33	221,209	1,046,310.5	2,083,789	19,245,183						
8	16	3.83	5.74	76	8692.5	x	4.14	35,987	137,830.2	206,565	2,735,012						
								257,196	1,184,148.7	2,290,354	21,980,195						
									4.60%	8.91%	85						

Ag.
6,414,000
4,770,876
10,689,985
1,874,061

75

Lower Panel		U.G.		Pb		Zn		Ag		Tonnage		Pb		Zn		Ag	
#	Block	Pb	Zn	Ag	m ³	x	SG	Tonnage	Pb	Zn	Ag	Pb	Zn	Ag	Pb	Zn	Ag
17		6.91	13.13	111	26,562.5	X	3.51	93,234	6.91%	13.13%	111						

6,562,459
11,869,585
1,778,676
9,210,720

74

T.J. Adamson Grum Deposit
Work Sheets 018355

- a) Upper & lower panels 70 → 84W and 70 → 86W respectively (yellow & Green reserves)
- b) 62W → 68W extension of upper and lower panels (orange reserves)
- c) 70W → 86W (orange reserves)
- d) 64W → 70W upright panel (orange strip reserves)
- e) initial year high grade tabulation

Site 74 W

Upper Panel

	Block	Pb	Zn	Ag	m ³	x	SG	=	tons	Pb	Zn	Ag
9		7.37	14.35	125	18,605	x	3.94		73,304	540,250	1,051,912	9,163,000
11		3.16	5.38	49	25,620	x	3.06		78,397	247,735	421,776	3,841,453
13		6.12	10.97	103	16,622.5	x	3.83		63,664	389,624	698,394	6,557,392
									215,365	1,177,609	2,172,082	19,561,845
									5.47%		10.09%	91

Lower Panel

40		3.88	6.62	72	114,218.15	x	4.10		468,297	1,816,992	3,100,126	33,717,384
41		4.50	7.84	72	43,125	x	3.90		168,188	756,846	1,318,594	12,109,536
42		3.44	5.51	62	36,406.25	x	3.68		133,975	460,874	738,202	8,306,450
									770,459	3,034,712	5,156,922	54,133,370
									3.94%		6.69%	70

Sect. 76 W

Upper Pool

	<u>Block</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	$\frac{3}{m}$	x	<u>SG</u>	=	<u>ton</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>
*	10	6.23	10.93	110	102,937.5	x	4.11		423,073	6.23 ^{0%}	10.93 ^{0%}	110

Lower Pool

	33	3.50	5.85	61	98,437.5	x	3.98		391,701	3.50 ^{0%}	5.85 ^{0%}	61
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Dec. 78
Upper Panel

	Block	Pb	Zn	Ag	m^3	x	S.G.	=	tons	Pb	Zn	Ag
*	26	5.68	11.73	98	63,592.5	x	3.81		242,287	1,376,190	2,842,027	23,744,126
*	27A	3.99	6.96	77	1,982.5	x	4.40		8,723	34,885	60,712	671,671
									251,010	1,410,995	2,902,739	24,415,797
										5.62%	11.56%	97

Lower Panel

	30	4.17	6.92	84	55,625	x	4.18		232,513	769,579	1,608,990	19,531,092
	33	3.65	5.19	63	58,281.25	x	3.56		207,481	757,306	1,076,826	13,071,303
	40	6.03	10.85	97	36,406.25	x	3.35		121,961	735,425	1,323,277	11,830,217
	41	2.68	5.60	53	4,375	x	3.64		15,925	42,679	89,180	844,625
									571,880	2,504,989	4,698,273	45,276,637
										4.33%	7.09%	78

sect. 80
Upper Panel

	Block	Pb	Zn	Ag	m ³	x	SG	=	tonnes	Pb	Zn	Ag
*	17	3.35	6.16	57	53,600	x	3.11		166,945	559,266	1,028,381	9,515,865
*	18	4.18	7.82	69	29,737.5	x	3.33		99,026	413,929	774,383	6,832,794
*	20	5.40	7.82	96	30,951.5	x	3.90		120,734	651,964	948,969	11,590,464
									386,705	1,625,158	2,751,734	27,939,123
										4.20%	7.12%	72

Lower Panel

	34	4.63	7.90	82	14,531.25	x	4.19		60,886	281,902	480,999	4,992,652
	35	3.07	5.90	60	5,818.75	x	4.36		22,754	69,855	134,225	1,365,240
	37	4.25	6.77	73	54,218.75	x	3.98		215,791	917,112	1,460,905	15,752,743
	39	5.45	10.12	89	54,062.5	x	3.99		215,709	1,175,614	2,182,975	19,198,101
									515,140	2,444,483	4,259,104	41,308,736
										4.75%	8.91%	80

4,720,075

6.5
67
50

Site 02 W UG

Upper Panel Block	Pb	Zn	Ag	$\frac{3}{m}$	x	SG	=	Tonnes	Pb	Zn	Ag
* 26	4.44	7.51	80	26840	x	3.50 (act)	=	88,572	4.44%	7.51%	80

Lower Panel	Pb	Zn	Ag	$\frac{3}{m}$	x	SG	=	Tonnes	Pb	Zn	Ag
32	4.78	8.05	84	65,727.5	x	4.15 (act)	=	272,769	3.03%	1,195,790	22,912,596
44	4.50	7.47	77	96,380	x	3.78 (act)	=	383,592	1.72%	2,873,104	29,536,504
40	4.13	6.99	72	71,655	x	3.80 (act)	=	82,289	3.39%	575,200	5,924,800
								138,650			
									3 367,853	5,644,094	58,375,988
									4.56%	7.64%	79

new feed steel ball 61 m

Dec 84w U.G.

Lower Panel (green)

Block	Pb	Zn	Ag	$\frac{3}{m}$	x	S.G.	=	turns	Pb	Zn	Ag
22	4.56	6.70	76	8235		4.0		32,940			
23	3.28	6.24	62	22,875		3.1		70,913			
24	5.45	9.76	96	21,562.5		3.6		77,409			
29	3.29	5.48	61	53,680		3.9		209,352			
30	3.43	6.24	63	3660		3.1		11,346			

401,960 3.81^{av.} 6.56^{av.} 69.

Section 86 U.G.

Lower Panel (green)

12	6.40	18.60	117	2440	x	4.5		10,980
13	3.03	6.94	78	19,672.5	x	3.4		66,887
15	3.35	6.32	66	21,807.5	x	3.4		74,146

152,012 3.43^{av.} 7.98^{av.} 75.

Doc	Pb	Zn	Ag	$\frac{m^2}{m}$	X	S.G.	=	tonnes	Pb	Zn	Ag
Dec 62 w	"Orange" Category	V.G. 10000									
1	6.36	13.29	103	27,145	X	3.63		99,894	6.36%	13.29%	103
Dec 64 w	"Orange"										
2	6.05	12.48	104	31,415	X	3.81		119,691	724,131	1,407,759	12,447,864
3	6.29	7.80	95	7,167.5	X	3.29		23,581	140,324	103,932	2,240,195
5	2.93	6.64	51	8,387.5	X	3.03		25,414	74,463	160,749	1,296,114
6	2.01	6.59	45	4,575	X	2.95		13,496	37,924	88,939	607,320
								182,103	904,842	1,929,370	16,591,493
									5.41%	10.59%	91
Dec 66 w	"Orange"										
4	5.73	9.71	94	65,117.5	X	3.84		250,051	1,432,792	2,427,995	23,504,794
6	4.02	5.73	63	14,335	X	3.32		47,592	192,272	272,702	2,998,294
								297,643	1,625,064	2,700,697	26,503,090
									5.46%	9.07%	89
Dec 68 w	"Orange"										
7	5.08	9.18	84	26,687.5	X	4.18		111,534	566,694	1,024,066	9,370,536
9	5.11	10.25	89	21,807.5	X	3.88		84,613	432,372	867,283	7,530,557
10	3.56	4.98	63	8,692.5	X	3.40		29,535	105,216	147,184	1,061,965
11	4.87	9.08	83	23,227.5	X	3.43		78,984	384,652	717,125	6,555,672
12	5.26	12.27	86	17,995	X	3.90		71,620	376,721	878,777	6,159,320
								376,326	1,865,656	3,634,485	31,478,050
									4.96%	9.66%	84
								956,046	5,335	10,03	13,93
									4.9	9.03	13,93

5.1
9.5
4.6

Block	Pb	Zn	Ag	$\frac{3}{m}$	x	S.G.	=	Turns	Pb	Zn	Ag
Dec. 70 w "Orange" (me 30 m strata due to geol interp uncertainty)											
8	6.61	13.15	111	34575	x	4.12		142449	6.61%	13.15%	111
Dec. 72 w "Orange"											
6	3.80	7.42	71	17232.5	x	3.52		60658			
8	4.50	8.46	78	7930	x	3.10		24583			
9	3.35	5.66	50	26840	x	3.07		82399			
33	3.38	5.98	77	10675	x	3.48		37149			
34	4.68	8.07	80	34007.5	x	3.94		133990			
								338779	6.27%	10.81%	202
									1369797	2427983	23723815
									4.04%	7.17%	71
Dec 74 w Orange											
22	3.91	6.06	64	24705	x	4.17		103020			
23	4.96	10.31	89	28975	x	3.38		97936			
28	8.75	5.80	51	69083	x	3.14		216919			
								418874	1485098	2892152	26372453
									3.55%	6.92%	63
Dec. 76 "Orange"											
7A	3.68	7.15	68	32025	x	3.10		99278			
60 ²	4.07	7.9	69	52918	x	3.31		175157	105094		
60 ³	4.80	7.38	74	26230	x	3.23		84723	42362		
22	5.66	9.78	93	15257	x	4.41		67253			
								426410	1865554	3252207	31360768
									4.38%	7.63%	74

Block	Pb	Zn	Ag	M	x	SG	=	Items	Pb	Zn	Ag
Dec 70 w Orange											
12	3.11	6.08	58	53,222.5	x	3.24		172,441	5,536,292	1,049,441	10,001,578
17	4.37	9.02	81	22,875	x	3.41		70,004	340,877	703,596	6,318,324
18	4.09	5.12	70	53,375	x	3.25		17,347	70,949	88,817	11,214,290
22	8.3	16.38	113	6,100	x	3.52		21,472	178,432	351,711	2,426,336
								289,264	1,126,551	2,192,565	19,960,528
									3.89%	7.58%	69

Block	Pb	Zn	Ag	M	x	SG	=	Items	Pb	Zn	Ag
Dec 80 w Orange											
26	3.15	7.24	68	67,252.5	x	3.44		231,349	867,559	1,674,967	15,731,732
46	4.86	8.48	92	12,657.5	x	3.54		44,808	217,767	379,972	4,122,536
								276,156	1,085,326	2,054,939	19,854,068
									3.93%	7.44%	72

Block	Pb	Zn	Ag	M	x	SG	=	Items	Pb	Zn	Ag
Dec 92 w Orange											
36	4.09	9.83	85	12,657.5	x	3.3		41,770	170,839	410,599	3,550,450
37	3.74	7.43	71	34,160	x	3.3		112,728	421,663	837,569	8,003,680
39	4.25	7.45	73	16,012.5	x	3.3		52,841	224,574	393,665	3,857,393
								207,339	817,016	1,641,834	15,411,531
									3.94%	7.92%	74

Block	Pb	Zn	Ag	M	x	SG	=	Items	Pb	Zn	Ag
Dec 94 w Orange											
15	3.23	5.11	53	25,925	x	3.3		85,553	276,336	437,176	4,534,309
16	4.37	7.60	78	15,250	x	3.5		53,375	233,849	405,650	4,163,250
17	3.15	4.88	55	20,893	x	3.3		68,945	217,178	336,452	3,791,975
								207,873	726,762	1,179,278	12,489,534
									3.50%	5.67%	60

3,262,140

Block

Pb

Zn

Ag

$\frac{3}{10}$

x

3.6

=

Amount

Pb

Zn

Ag

See B6 w "Orange"

18

4.37

7.57

72

52,307.5

3.34

174,207

4.37^{oz}

7.57^{oz}

72

Sec. 70 - 04 W "Orange Basin"

Section	Pb	Zn	Ag	x	tonnes	Pb	Zn	Ag
70	6.61	13.15	111		142 449	941 588	1 873 204	15 811 839
72	4.04	7.17	71		338 779	1 368 667	2 489 045	24 053 309
74	3.55	6.92	63		417 874	1 483 453	2 891 688	26 326 062
76	4.38	7.63	74		426 410	1 867 676	3 253 568	31 554 390
78	3.89	7.58	69		289 264	1 125 237	2 192 621	19 959 216
80	3.93	7.44	72		276 156	1 085 293	2 654 600	19 883 232
82	3.94	7.92	74		207 339	816 916	1 642 124	15 343 086
84	3.50	5.67	60		207 873	727 586	1 178 639	12 472 380
					2 306 144	9 916 384	17 515 430	165 903 964
						4.08%	7.60%	72.
86	4.37	7.57	72		174 707			
					2 480 851	4.10%	7.60%	72.

Upright Panel - U.G. (62 m stals length between sections, 8° mining cut-off)

Dec 64.

Block	Pb	Zn	Ag	m ²	x	S.G.	Tonnes	Pb	Zn	Ag
13	5.25	6.44	81	50,590	x	4.20	246,078	1 316 517	1 584 742	19 938 318
14	5.07	6.87	75	12,400	x	3.80	47,120	230 898	323 714	3 534 000
							293,198	1 555 416	1 908 457	23 466 318
								5.31%	6.51%	80

Dec 66.

16	3.62	5.06	50	26,505	x	3.10	82,166	297 441	415 760	4 765 628
17	5.57	6.33	83	59,365	x	3.82	226,774	1 263 131	1 435 479	10 822 242
18	3.98	5.23	64	24,645	x	3.34	82,314	327 610	430 502	5 268 096
19	4.07	4.97	67	43,865	x	4.10	179 847	731 977	893 040	12,049 749
							571 101	2 620 159	3 175 581	40 905 715
								4.59%	5.56%	72

Dec 68

20	5.79	7.19	82	34,410	x	4.06	139 705	800 892	1 004 479	11 458 910
24	6.08	10.10	101	30,690	x	3.74	114 781	697 869	1 159 288	11 592 801
							254 486	1 506 760	2 163 767	23 048 691
								5.92%	8.50%	91

Upright Panel - U.G. (page 2)

Sec. 70.

Block.	Pb	Zn	Ag	$\frac{3}{10}$	x	S.G.	=	Tonnes	Pb	Zn	Ag
31	5.77	8.19	96	27	280	3.96		108 029	/	884 758	10 370 794
33	4.99	5.28	74	23	250	3.89	90 443	623 327			
34	4.59	4.31	63	24	490	4.28	104 017	451 311			
								303 289	401 110	451 761	6 603 471
									1 555 748	1 814 058	23 667 037
									5.13%	5.98%	78.

Sec. 64 - 70 Upright Panel tonnage / grade.

Section	Pb	Zn	Ag	x	Tonnes	Pb	Zn	Ag
64	5.31	6.51	80		293 198	1 556 881	1 908 719	23 455 920
66	4.59	5.56	72		571 101	2 621 352	3 175 322	41 119 272
68	5.92	8.50	91		254 485	1 506 551	2 163 123	23 158 135
70	5.13	5.98	78		303 289	1 555 873	1 813 668	23 656 542
					1 422 073	7 240 657	9 060 831	111 389 789
						5.09%	6.37%	78.

Initial year high grade underground extraction.

Section	Block	Pb	Zn	Ag	tonnes
62 "orange"	1	6.36	13.27	103	99,894
64 "orange"	2,3	6.09	11.67	103	193,872
66 "orange"	4	5.73	9.71	94	250,051
68 "orange"	7,9,11,12	5.08	10.06	85	346,771
70 "orange"	8	6.61	13.15	111	142,449
70 "green"	17	6.91	13.13	111	93,234
70 "yellow"	14	4.73	9.42	87	221,209
72 "yellow"	10,14	5.43	9.64	94	164,938
74 "yellow"	9,11,13	5.47	10.09	91	215,365
76 "yellow"	10	6.23	10.93	110	423,073
78 "yellow"	26,27A	5.62	11.86	97	257,010
		5.72	10.80	98	2,351,266

939,988 5.60 10.61 93

70-84 range.

1,368,829

5.71 10.66 99.