
Date	17th June, 1980	Ref	1.1.4
To	P. J. McGushin	From	I. W. Keyes
At	Rossarden	At	Rossarden
Copies to	PJR, RAH, AJT, JS (S/C)	Keep	

Subject - STOREYS CREEK MINE PRODUCTION HISTORY

The production history of the Storeys Creek Mine has been pieced together as well as possible. The data from 1923 to 1957 was taken from "The Geology of the Rossarden-Storeys Creek District" Geological Survey Bulletin No.46 by A.H. Blissett. He compiled his information from the annual reports of the Director of Mines. This information quoted tons concentrate. Recovered grade was calculated by assuming an average 73% WO_3 in wolfram concentrates and 74% Sn metal in tin concentrates.

Only patchy information is available up to 1930. The year 1958 lay between the two sources of information and the production data for that year could not be found.

The information for years 1959 to 1979 was taken from the Manager's Annual Reports.

Total milled tonnage for Storeys Creek is 1.1 million tonnes. The head grade from 1923 to 1971, the last year of separate milling, was 0.22% Sn and 1.13% WO_3 .

If the current ore reserve grade of 0.04% Sn and 0.93% WO_3 is assumed for the years 1972 to 1979 the overall head grade for Storeys Creek is reduced to 0.18% Sn and 1.09% WO_3 . Recovery has been assumed to be 80% for both metals.

The best estimate for the Storeys Creek Mine is 1.1 million tonnes at a head grade of 0.18% Sn and 1.09% WO_3 (1.27% CM.)

Ian W. Keyes

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Production Geologist.

Att.

STOREYS CREEK PRODUCTION HISTORY

Assumed) * 73% WO₃ in conc.
) + 74% Sn in conc.

Year	Milled		Tin conc. long tons	+ Tin metal long tons	WO ₃ conc. long tons	* WO ₃ in conc long tons	Recovered Grade			Head Grade (assuming 80% Rec.)		
	long tons	tonnes					Sn %	WO ₃ %	CM %	Sn %	WO ₃ %	CM %
1923	10360	10526	155.60	115.14	103.20	75.34	1.11	0.73	1.84	1.39	0.91	2.30
1924	?	?	?	?	54.00	39.42	?	?	?	?	?	?
1925	12066	12260	?	?	170.20	124.25	?	1.03	?	?	1.29	?
1926	8090	8220	?	?	83.00	60.59	?	0.75	?	?	0.94	?
1927	9968	10128	?	?	?	?	?	?	?	?	?	?
1928	.....	.....	?	?	176.00	128.48	?	?	?	?	?	?
1929	.....	.....	?	?	151.35	110.49	?	?	?	?	?	?
1930	.....	.....	?	?	112.50	82.13	?	?	?	?	?	?
1933	3933	3996	42.35	31.34	90.00	65.70	0.80	1.67	2.47	1.00	2.10	3.10
1934	9912	10071	71.82	53.14	170.93	124.78	0.54	1.26	1.80	0.68	1.58	2.26
1935	10262	10427	87.00	64.38	200.14	146.10	0.63	1.42	2.05	0.79	1.78	2.57
1936	9353	9503	67.55	49.99	177.70	129.72	0.53	1.39	1.92	0.66	1.74	2.40
1937	11736	11924	27.00	19.98	239.20	174.62	0.17	1.49	1.66	0.21	1.86	2.07
1938	12678	12881	32.50	24.05	250.00	182.50	0.19	1.44	1.63	0.24	1.80	2.04
1939	12271	12468	52.10	38.55	197.00	143.81	0.31	1.17	1.48	0.39	1.46	1.85
1940	12676	12879	?	?	209.60	153.01	?	1.21				
1941	13009	13218	67.10	49.65	205.00	149.65	0.38	1.15	1.53	0.48	1.44	1.92
1942	9022	9167	40.00	29.60	115.90	84.61	0.33	0.94	1.27	0.41	1.18	1.59
1943	10556	10725	55.45	41.03	143.00	104.39	0.39	0.99	1.38	0.49	1.24	1.73
1944	12936	13144	42.30	31.30	?	?	0.24	?	?	0.30	?	?
1945	11333	11515	21.50	15.91	148.30	108.26	0.14	0.96	1.10	0.18	1.20	1.38
1946	8637	8776	25.00	18.50	123.00	89.79	0.21	1.04	1.25	0.26	1.30	1.56
1947	8695	8834	47.50	35.15	126.00	91.98	0.40	1.06	1.46	0.50	1.33	1.83
1948	9915	10074	31.10	23.01	158.00	115.34	0.23	1.16	1.39	0.29	1.45	1.74
1949	10477	10645	14.50	10.73	166.00	121.18	0.10	1.16	1.26	0.13	1.45	1.58
1950	7620	7742	11.85	8.77	113.85	83.11	0.12	1.09	1.21	0.15	1.36	1.51
1951	6843	6953	12.75	9.44	93.15	68.00	0.14	0.99	1.13	0.18	1.24	1.42
1952	8130	8260	14.50	10.73	121.05	88.37	0.13	1.09	1.22	0.16	1.36	1.52
1953	10598	10768	15.24	11.28	147.70	107.82	0.11	1.02	1.13	0.14	1.28	1.42
1954	12551	12752	24.08	17.82	215.45	157.28	0.14	1.25	1.39	0.18	1.56	1.74
1955	12862	13068	30.35	22.46	216.75	158.23	0.17	1.23	1.40	0.21	1.54	1.75
1956	15358	15604	20.88	15.45	239.50	174.84	0.10	1.14	1.24	0.13	1.43	1.56
1957	17395	17674	29.29	21.67	280.00	204.40	0.12	1.18	1.30	0.15	1.63	1.78
1958	?	?	?	?	?	?	?	?	?	?	?	?
1959	18024	18313	55.50	41.07	313.80	229.07	0.23	1.27	1.50	0.29	1.59	1.88
1960	40311	40958	42.95	31.78	669.73	488.90	0.08	1.21	1.29	0.10	1.51	1.61
1961	48107	48879	26.25	19.43	899.65	658.74	0.04	1.37	1.41	0.05	1.71	1.76
1962	37376	37976		17.51		393.12	0.05	1.05	1.10	0.06	1.31	1.37
1963	25333	25740		82.20		169.84	0.32	0.68	1.00	0.40	0.85	1.25
1964	27919	28367		103.53		207.01	0.37	0.75	1.12	0.46	0.94	1.40
1965	28861	29324		78.15		214.11	0.27	0.74	1.01	0.34	0.93	1.27
1966	35153	35717		62.29		241.13	0.18	0.68	0.86	0.23	0.85	1.08
1967	36893	37485		70.32		229.38	0.19	0.62	0.81	0.24	0.78	1.02
1968	37463	38064		51.42		240.13	0.14	0.64	0.78	0.18	0.80	0.98
1969	45243	45969		42.59		258.17	0.09	0.57	0.66	0.11	0.71	0.82
1970	68120	69213		37.64		433.81	0.06	0.63	0.69	0.08	0.79	0.87
1971	86861	88254		20.98		471.39	0.02	0.55	0.57	0.03	0.69	0.72
1972		58003	Combined milling									
1973		49604										
1974		14399										
1975		24037										
1976		17416										
1977		16848										
1978		14150										
1979		12844										