

DEPARTMENT OF MINES, TASMANIA—DRILLING RECORD.

7825

Locality: Dorset Plains. Drill: Hand Plant Ref No: 1769
 Bore No: 7h Commenced: 11th Aug 1942 Completed: 11 Aug 1942
 Location of Bore: General A.M.C. Co-ords only Holes Not plotted.
 Co-ordinates of Collar: 580900 E 5451500 N. R.L. of Collar: _____
 Bearing: _____ Inclination: Vertical Final Depth: 29 (28')

0369

Date	Shotage	Total Depth	BORE LOG				Particulars of Core	Details of Ore Intersection
			From	To	Core	Thickness		
1942								
Aug 11	29	29	0	3	3	3	Tailing	
			3	17	14	14	black Mud.	
			17	28	11	11	wash	
			28	29	1	1	granite bottom	

36 287

TIN-BEARING ESTUARINE DEPOSITS:*Tin Res of TSS No 121**63-364.**Dec '63**Pages 57-58*

Shoreline terraces of shingle and wash were stranded during the emergence of the land in late Tertiary-Quaternary times. Numerous tin-bearing deposits of this type were worked on a small scale around the flanks of Mt. Cameron at the Great Northern Plain, Boobyalla Plains, and near Gladstone. The tin values usually proved to be limited and very patchy in these deposits. An extensive terrace deposit with an overall grade of about 2 oz. tin per yard was worked by the Dorset Dredge at Dorset Flats.

Great Northern Plain: Included among the terraced workings were the Canary, McGregor's, Aberfoyle, Taylor, Beltz, Roy, Richardson's, Vulcan and Boomerang claims (Fig. XXV). The Dorset Dredge which was previously owned by the Storeys Creek Tin Mining Co. N.L., but is now under the control of Aberfoyle T.P., is at present being dismantled and transferred to the banks of the Ringarooma River at Great Northern Plain where it will work these shingle terraces and recent river deposits.

A description of the area to be dredged is given in a brief report by Jack (1961a). "The area of river flats available for dredging is 485 acres, and if an average dredgable depth of 35 ft. is assumed, there would be approximately 23 million cu. yds. of material available". The results of preliminary drilling by Storeys Creek showed that the alluvium is up to 50 ft. thick but the distribution of tin is erratic and not all the ground would be worth working.

Boobyalla Plains: Four small mines occur in this area, mainly the Delta, Davis, Dugarde Creek and Dry Cut. All are less than 30 ft. deep. Tin occurs in coarse conglomerates and grits which are considered to be largely composed of marine and estuarine wash. At the Delta mine, about 40 tons of tin were obtained from about 2 acres of ground to depths of 25 ft., which indicates a grade of about 2 lb per yard. Some good values were also shown by boring ahead of the Delta mine.

Gladstone-South Mt. Cameron: Shingle terraces were worked on a small scale at Morrissey's Syndicate, Bridge, Mary and Ogilvie's claims, and above deep leads at the Tamar and Garfield (later the Star Hill properties).

Dorset Flats: (worked until recently by Storey's Creek Tin Mining Co. N.L., leases will presumably be abandoned).
Reference: Keid, 1952.

Location: Adjacent to the Ringarooma River near its junction with Corduroy Creek, three miles north of Pioneer township.

The ground was worked during 1906-12 by several different companies using a bucket dredge, yielding during this period 270 tons of tin oxide and 390 oz. of gold. The deposit was then idle until 1943, when it was taken up by the Commonwealth Government (Department of Supply and Shipping) and construction of the Dorset Dredge commenced. The dredge, with a reputed capacity of 150,000 cu. yds. per month, began operating in 1944.

In June, 1960, the Commonwealth Government sold the Dorset Dredge and property to Storey's Creek Tin Mining Co. N.L., but the deposit was worked out by early 1963.

Total production of the Dorset Dredge was 1,615 tons metallic tin. The average grade of the material treated during 1944-57 was 0.13 lb metallic tin per yard. The ground worked by the Storey's Creek Co. during 1959-62 also averaged 0.13 lb tin.

580900 E
GENERAL APP
5457 500 N
60-2755