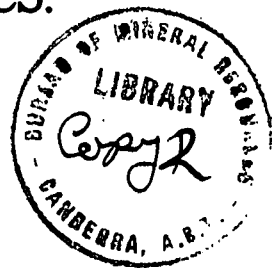


COMMONWEALTH OF AUSTRALIA.

DEPARTMENT OF SUPPLY AND SHIPPING.
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS.

REPORT No. 1949/40.
(Geol. Ser. 23)



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BAUXITE INVESTIGATION
NEW SOUTH WALES.

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SUMMARY OF RESULTS AT ELLSMORE, PARISH OF
MURRIMBA, COUNTY OF CAMDEN.

by

H. B. OWEN.

CANBERRA.

13th July, 1949.

*The Chief Geologist*1949/40
(9.5.23)**BAUXITE INVESTIGATION.****NEW SOUTH WALES.**Summary of Results at Ellamore, Parish of Murrumba,
County of Camden.**1. LOCALITY.**

The deposits at Ellamore are about 11 miles west-south-west from Moss Vale, and $3\frac{1}{2}$ miles westerly from the Cross Roads on Hume Highway. They are accessible from the Canyon Leigh road.

2. RESULTS AT DEPOSIT A.

Portions 28 and 52, Ph. Murrumba. Nine shafts sampled.

Long Tons.	SiO ₂ %	Al ₂ O ₃ %	Avail. Al ₂ O ₃ %	Na ₂ O Loss cwt.	Overburden. Cu. yards.
(a) 205,000	5.1	39.7	29.2	1.20	8,000
(b) { 25,500 ¹	3.9	41.0	30.5	0.62	5,000
{ 25,500 ²	4.9	40.5	32.0	1.04	3,000
(c) 51,000	4.4	40.7	31.2	0.83	8,000

(a) Includes all pisolitic laterite.

(b) Excludes samples which bring the average for any shaft below 30% Available Al₂O₃.

(c) Totals of (b).

¹ West end of deposit, Portion 52.

² East end of deposit, Portion 28.

3. RESULTS AT DEPOSIT B.

Portions 25, 29 and 33. Fourteen shafts sampled.

Long Tons.	SiO ₂ %	Al ₂ O ₃ %	Avail. Al ₂ O ₃ %	Na ₂ O Loss cwt.	Overburden. Cu. yards.
(a) 470,000	-	-	30.1	1.04	30,000
(b) 60,000	2.5	38.2	33.0	0.36	150,000
(c) 72,000	3.3	37.2	33.1	1.06	16,000
(d) 132,000	2.9	37.7	33.1	0.73	166,000

(a) All laterite excluding samples containing less than 25% Available Al₂O₃, and including (b) and (c).

(b) Pisolitic bauxite.

(c) Earthy bauxite at eastern end of deposit.

(d) Total of (b) and (c).

4. RESULTS AT DEPOSIT C.

Portion 33. Eight shafts sampled.

Long Tons.	Available Al ₂ O ₃ %	Na ₂ O Loss cwt.	Overburden. Cu. yards.
(a) 160,000	29.7	1.75	13,000
(b) 90,000	31.4	1.23	13,000

(a) Includes all pisolitic laterite, and includes (b).

(b) Excludes samples which bring the average for any shaft below 30% Available Al₂O₃.

5. TOTAL OF ECONOMIC BAUXITE PROVED AT ELLSMORE.

Deposit.	Long Tons.	SiO ₂ %	Al ₂ O ₃ %	Avail. Al ₂ O ₃ %	H ₂ O Loss ewt.	Overburden. Cu. yards.
A	51,000	4.4	40.7	31.2	0.83	8,000
B	132,000	2.9	37.7	33.1	0.73	166,000
C	90,000	6.6.5	35.	31.4	1.23	13,000
	273,000	4.4	37.4	32.2	0.92	187,000

Bureau of Mineral Resources,
Canberra.
13th July, 1949.

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