

934001

RNB Trading Pty. Ltd.

E.L. 46/92 - Pioneer
Annual Report

Year 1 (16/4/93 - 16/4/94)

MICROFILMED
FICHE No 013050 -

MINES		
FILE REF. EL 46/92		
15 MAR 1994		
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SEE COVERING LETTER FOLIO 25		
RESUBMIT TO	DATE	

K.C. Morrison
4 March 1994

94-3548

INTRODUCTION AND TENEMENT DETAILS

E.L. 46/92 is a 5 km² tenement at Pioneer, N.E. Tasmania (Figs. 1&2), acquired primarily for the exploration of silica sand products in mine tailings.

The licence is owned 100% by RNB Trading Pty. Ltd. and this report covers the Year 1 exploration results.

EXPLORATION COMPLETED IN YEAR 1

A programme of mapping and auger sampling was conducted to delineate the sand resource available.

A 1:2500 scale orthophoto base was used to map the edges of the tailings sand stacks and volumes were calculated for the four bodies mapped (Plan 1), by the cartographic section of the Land Information Bureau, Hobart.

A total volume of 2,232,831 m³ was determined (Table 1).

Sixty hand auger samples were taken across the prospect (Plan 1) for bulk density, screen sizing and chemical assay determinations. Each sample was approximately one metre deep and weighed 3-5 kg. Bulk densities were calculated from splits of each sample (Appendix 1), showing a mean value of 1.54 t/m³ from a range of 1.41 to 1.62 t/m³.

CONCLUSIONS & FUTURE WORK

To date an in-place resource of 3.4 million tonnes of quartz sand/granule sediment with potential fine aggregate properties has been measured.

Evaluation of the resource is continuing and in Year 2 the variation in grain size distribution and sand chemistry across the deposit will be determined.

When the resource properties are sufficiently quantified, the market opportunities and processing and transport options will be studied.

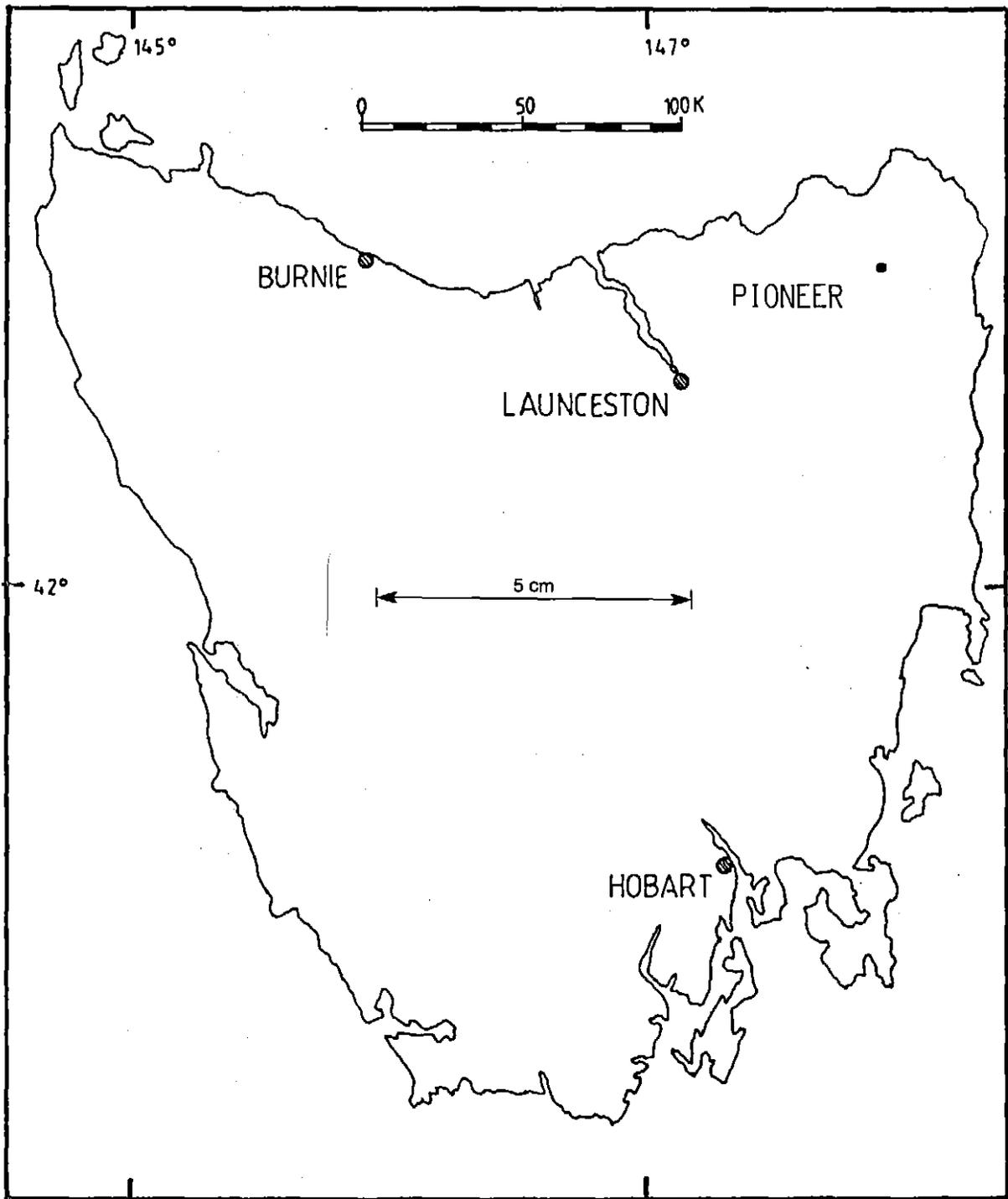
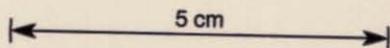


Fig. 1 Location Map

FORESTER

LAND TENURE INDEX SERIES

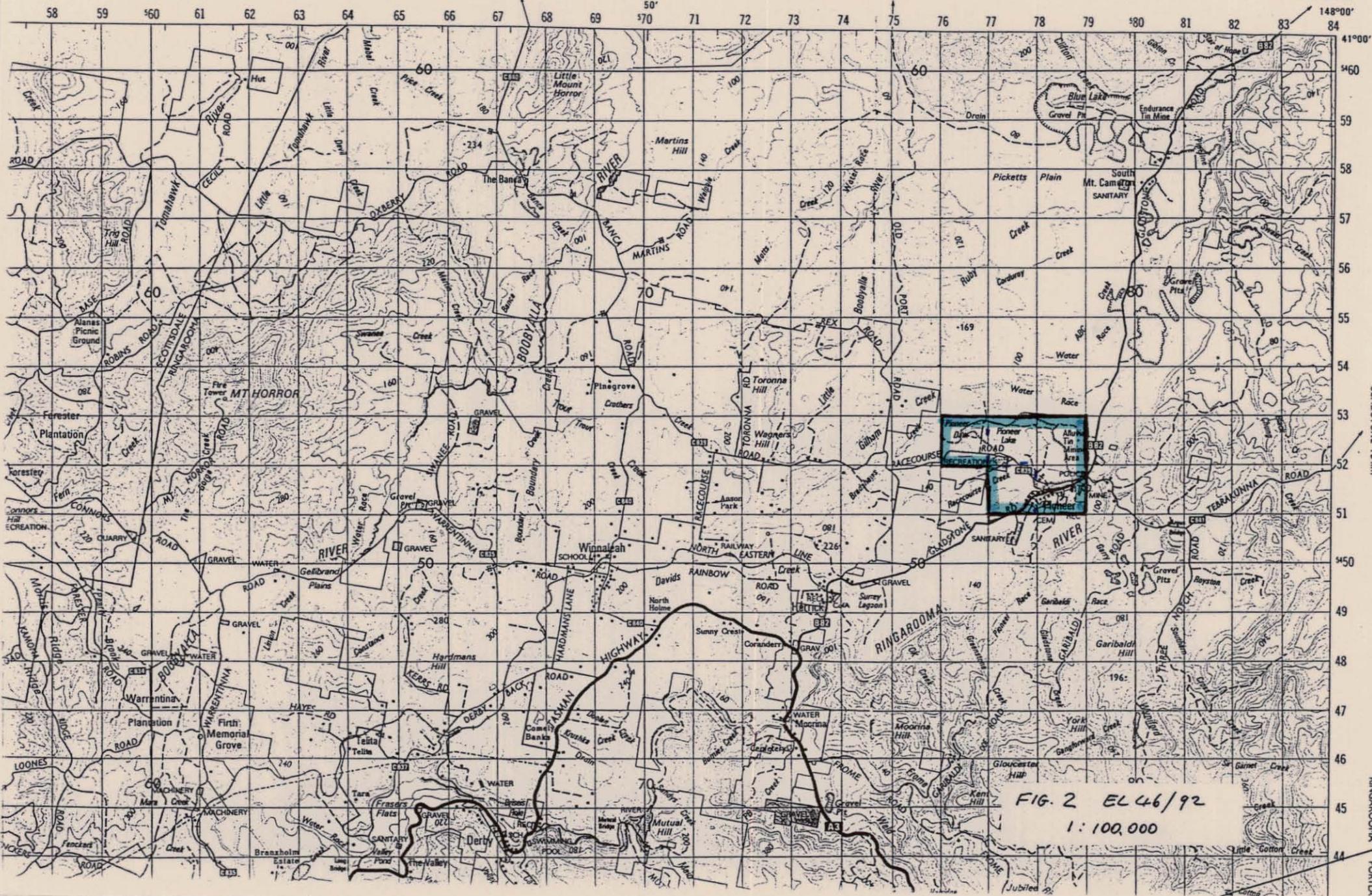


REFER TO THIS MAP AS: LTIS SHEET 8415 EDITION 2 1983

TOMAHAWK 20 km

ALLA 16 km

GLADSTONE 6 km



GLADSTONE 19 km

934004

RINGAROOMA PORTLAND

FIG. 2 EL 46/92
1:100,000

PIONEER LAKE

MGE Terrain Modeler --- Volume Calculations

Date : Thu Feb 4 13:09:36 EST 1994
Design File : /major/users/pgram/pioneer/dgn/pioneer.dgn
First Surface : pioneer2
Constant Surface : 78 metres.

	CUT	FILL	ABSOLUTE	NET	
Volume : Area 1	86167	0	86167	86167	Cubic m
Volume : Area 2	139994	0	139994	139994	Cubic m
Volume : Area 3	357570	0	357570	357570	Cubic m
Volume : Area 4	1650700	-1572.1	1652300	1649100	Cubic m

TABLE 1. AREA VOLUMES



PLAN 1.

934006

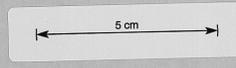
RNB TRADING PTY. LTD.

PIONEER SAND PROJECT.

94-3548 E.L. 46/92.

AUGER SAMPLE SITES AND RESERVE BOUNDARIES.

AUTHOR: KM. DRAFTING A.J.J. DATE: 10.2.94



LAND INFORMATION BUREAU
 DEPT. of ENVIRONMENT & LAND MANAGEMENT
 TASMANIA. CROWN COPYRIGHT RESERVED

DATUM - COOROS AUSTRALIAN MAP GRID (MGA) HEIGHT AUSTRALIAN HEIGHT DATUM (AHD)

NOTE: CHECKING OF THIS MAP IS NOT COMPLETE DATE: 10.2.94

DISTRIBUTION AUTHORISED: GENERAL MANAGER L.I.B. 2-183-1222

PROJECT: PIONEER LAKE OPA
 NUMBER: M98.16
 PHOTOGRAPHY PROJECT: M55
 SCALE: 1:2500

DATE: 9-12-97
 TIME FLOWN: 1030 hrs

W: 20 metres
 SHEET NUMBER: 1
 RUN: VES '96 - '98
 SUN: VES

DIGITIZED: ASK NOV99

Pioneer Sand Samples

934007

Sample No. RP 1

Volume 3070 mls

Weight 4879.3 gms
1.59

Sample No. RP 2

Volume 2900 mls

Weight 4465.7 gms
1.54

Sample No. RP 3

Volume 2420 mls

Weight 3854.7 gms
1.59

Sample No. RP 4

Volume 2950 mls

Weight 4702.6 gms
1.59

Sample No. RP 5

Volume 2000 mls

Weight 4048.4 gms
1.56

Sample No. RP 6

Volume 2480 mls

Weight 3920 gms
1.58

Sample No. RP 7

Volume 2610 mls

Weight 4046.3 gms
1.55

Sample No. RP 8

Volume 2310 mls

Weight 3687 gms
1.59

Sample No. RP 9

Volume 2280 mls

Weight 3702.2 gms
1.62

Sample No. RP 10

Volume 1480 mls

Weight 2291.8 gms
1.55

Pioneer Sand Samples

934008

Sample No. RP 11

Volume 3210 mls

Weight 4732.7 gms
1.47

Sample No. RP 12

Volume 3370 mls

Weight 5021.2 gms
1.49

Sample No. RP 13

Volume 3380 mls

Weight 5054 gms
1.49

Sample No. RP 14

Volume 2790 mls

Weight 4221.9 gms
1.51

Sample No. RP 15

Volume 2840 mls

Weight 4353.5 gms
1.53

Sample No. RP 16

Volume 2670 mls

Weight 4087.5 gms
1.53

Sample No. RP 17

Volume 3330 mls

Weight 5050.6 gms
1.52

Sample No. RP 18

Volume 2520 mls

Weight 3976 gms
1.58

Sample No. RP 19

Volume 2940 mls

Weight 4426.8 gms
1.51

Sample No. RP 20

Volume 3000 mls

Weight 4343.5 gms
1.45

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Pioneer Sand Samples

934009

Sample No. RP 21
 Volume 2910 mls
 Weight 4430.1 gms
 1.52

Sample No. RP 26
 Volume 2580 mls
 Weight 3966.8 gms
 1.54

Sample No. RP 22
 Volume 1980 mls
 Weight 2840.8 gms
 1.43

Sample No. RP 27
 Volume 2350 mls
 Weight 3648.4 gms
 1.55

Sample No. RP 23
 Volume 2520 mls
 Weight 3702.8 gms
 1.47

Sample No. RP 28
 Volume 2080 mls
 Weight 3044.7 gms
 1.46

Sample No. RP 24
 Volume 2660 mls
 Weight 4059.5 gms
 1.53

Sample No. RP 29
 Volume 2560 mls
 Weight 3767.2 gms
 1.47

Sample No. RP 25
 Volume 2020 mls
 Weight 2982.5 gms
 1.48

Sample No. RP 30
 Volume 2140 mls
 Weight 3210.9 gms
 1.50

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Pioneer Sand Samples

934010

Sample No. RP 31
 Volume 2490 mls
 Weight 3732.7 gms
 1.50

Sample No. RP 36
 Volume 2400 mls
 Weight 3668.8 gms
 1.53

Sample No. RP 32
 Volume 2440 mls
 Weight 3706 gms
 1.52

Sample No. RP 37
 Volume 2450 mls
 Weight 3914.3 gms
 1.60

Sample No. RP 33
 Volume 2950 mls
 Weight 4442 gms
 1.51

Sample No. RP 38
 Volume 2100 mls
 Weight 3193.4 gms
 1.52

Sample No. RP 34
 Volume 2410 mls
 Weight 3713.3 gms
 1.54

Sample No. RP 39
 Volume 2480 mls
 Weight 3696.9 gms
 1.49

Sample No. RP 35
 Volume 2660 mls
 Weight 4023.2 gms
 1.51

Sample No. RP 40
 Volume 2530 mls
 Weight 3792.7 gms
 1.50

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Pioneer Sand Samples

934011

Sample No. RP 41

Volume 2470 mls

Weight 3934.9 gms
1.59

Sample No. RP 42

Volume 2060 mls

Weight 3192.7 gms
1.55

Sample No. RP 43

Volume 2370 mls

Weight 3507.2 gms
1.48

Sample No. RP 44

Volume 1980 mls

Weight 3032.2 gms
1.53

Sample No. RP 45

Volume 2360 mls

Weight 3608.6 gms
1.53

Sample No. RP 46

Volume 2170 mls

Weight 3390.6 gms
1.56

Sample No. RP 47

Volume 2340 mls

Weight 3527.6 gms
1.51

Sample No. RP 48

Volume 1720 mls

Weight 2717.5 gms
1.58

Sample No. RP 49

Volume 2500 mls

Weight 3753.8 gms
1.50

Sample No. RP 50

Volume 1740 mls

Weight 2637.5 gms
1.52

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Pioneer Sand Samples

934012

Sample No. RP 51
 Volume 1670 mls
 Weight 2480.2 gms
 1.49

Sample No. RP 56
 Volume 1990 mls
 Weight 2796.5 gms
 1.41

Sample No. RP 52
 Volume 2060 mls
 Weight 2923.4 gms
 1.42

Sample No. RP 57
 Volume 1770 mls
 Weight 2629.2 gms
 1.49

Sample No. RP 53
 Volume 2000 mls
 Weight 2856 gms
 1.43

Sample No. RP 58
 Volume 1730 mls
 Weight 2632.6 gms
 1.52

Sample No. RP 54
 Volume 1930 mls
 Weight 2768.5 gms
 1.43

Sample No. RP 59
 Volume 2150 mls
 Weight 3197.6 gms
 1.49

Sample No. RP 55
 Volume 2230 mls
 Weight 3392.4 gms
 1.52

Sample No. RP 60
 Volume 2240 mls
 Weight 3393.7 gms
 1.52

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