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ANNUAL REPORT
 RETENTION LICENCE 8802 BOWRY CREEK
 SAVAGE RIVER, TASMANIA

for the period
 24 MAY 1991 to 31 August 1992.

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BY

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SUMMARY

Savage identified Australian and multi-national mining and research establishments with existing technologies appropriate and effective for the production of beneficiated goethite from in-ground material of diverse mineralogical composition.

Kriez Magnetics Limited identified a potential scalping method in which flocculated goethite in the waste underflow slurry was concentrated using spirals. Pure separation of the mineralogy by high intensity magnetic separators was insufficiently objective.

Mozley Limited provided a concentrate(s) of cyclone overflow material after a series of trials using a multi gravity separator. Separation achieved was not sufficient to provide a substantial improvement to the colour qualities of the goethite material.

In late April Savage established a technical tie up with Merz Australia Pty Limited to adapt existing Merz in-house technology to beneficiate Savage River goethite material. Merz accessed the facilities of the University of South Australia - Levels Campus and performed limited beneficiation work. No in-house technology relevant to Savage River goethite concentration was demonstrated by Merz. Savage declined to participate in substantial research activities.

Savage refined its already developed beneficiation process to improve the colour quality of its refined pigment by size classification and micronisation.

Limited chemical rinsing, bleaching and heating of refined pigment to remove possible contamination through organic material proved indeterminate.

In the field a number of sites were identified where a number of mining and raw material objectives were met. Near surface ochre and umber material from these preferred sites were used for all subsequent beneficiation work.

Pigment material samples continue to be despatched to a large number of end users and iron oxide traders both in Australia and overseas. Several opportunities exist to develop trade links.

Evaluation of the pigment is on-going. The Savage River laboratory has been upgraded to accommodate our requirement to provide ever larger quantities of sample material.

In-house research continues to improve the pigment qualities. Calcination of primary colours has extended the range of pigment colours available from the Savage River deposits.

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1.0 Introduction.

Retention Licence 8802 comprises some 9.5 square kilometres of the former Exploration Licence 4/61 (Fig. 1). The RL was granted on the 23 May 1988 and has subsequently been renewed on two occasions, both for a period of two years. Application for its renewal was made on the 13 April 1992.

Mining Leases 19 and 20M/90 were marked out within RL 8802 on 21 May 1990. Their application period has been extended to the 21 May 1993.

Mining leases 29 to 32M/90 inclusive were marked out within RL 8802 on the 10 July 1990. Their application period has been extended to the 11 July 1993.

Mining leases 19 and 20M/90 and 29 to 32M/90 inclusive have been surrendered conditional upon the grant of Consolidated Mining Lease 46M/90. Application for CML 46M/90 was made on the 7 September 1990 and an extension of its application period has been granted to 4 September 1992. A request for a further extension of the application period was made on the 6 July 1992.

The CML 46M/90 encompasses some 575 hectares of State Forest (formerly Unallocated Crown Land). The area is a designated Multiple Use Wood Production Zone under the managerial responsibility of the Forestry Commission.

The magnetite and magnesite resources were sufficiently defined in terms of their current minability prior to the grant of RL 8802. Work completed this reporting period on the magnetite potential within the licence has been confined to a reassessment of the Long Plains South old drilling data to determine its potential as a source of magnetite for the Savage River Iron Ore operations. Unfortunately the data quality was too poor to provide a revised tonnage and grade.

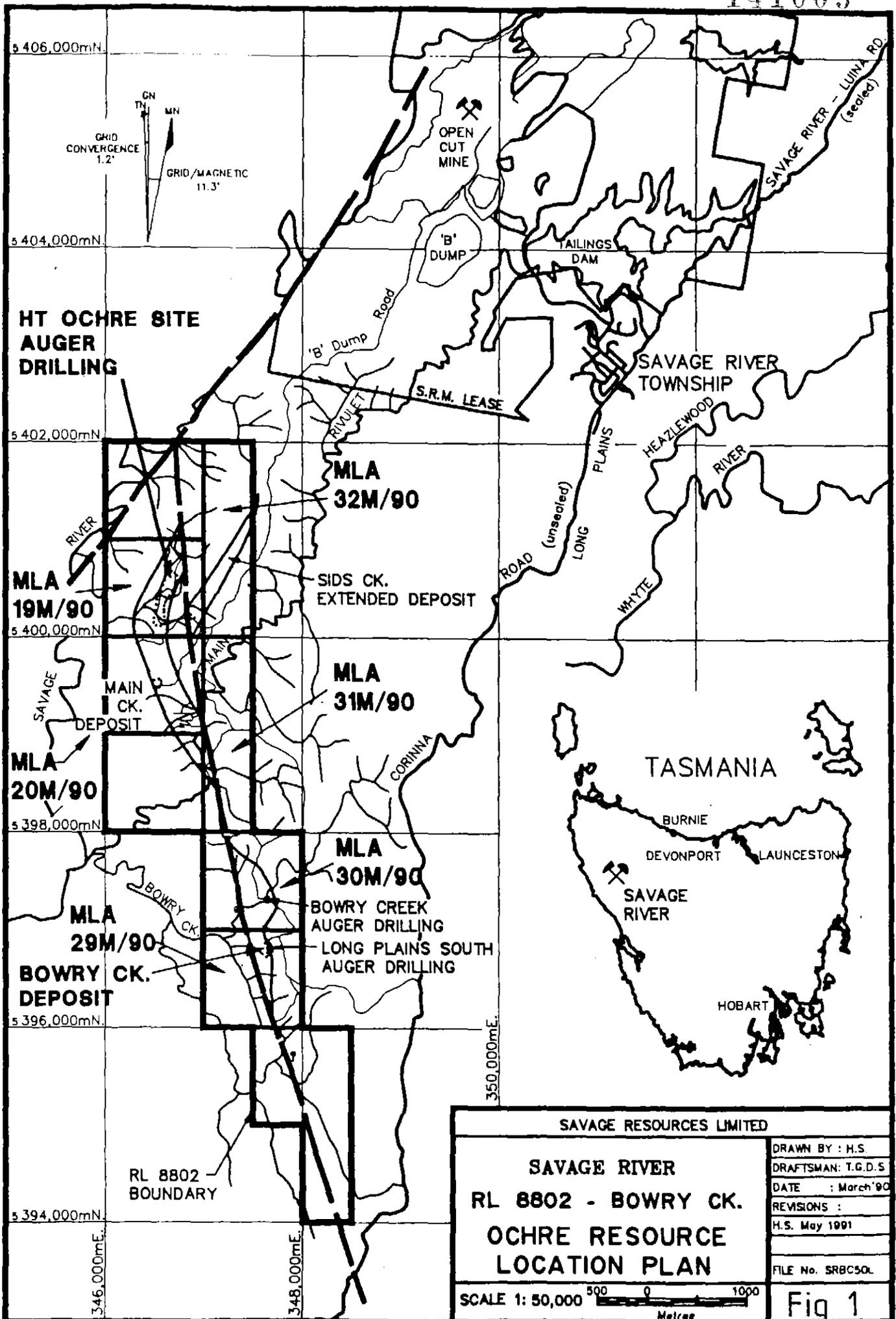
Work elsewhere has been all but exclusively on the ochre and umber resources. Considerable emphasis has been placed on the supply of raw goethite material from the field to the laboratory at Savage River for pigment production together with the development of trading links to end users and traders.

It is the intention of the company to fully realise the potential of the ochre and umber deposits and, subject to suitable market response, develop a viable mining operation.

2.0 Identification of Ochre and UMBER Areas for Pigment Production.

2.1 UMBER

The lateral extent of the umber resource was identified during last seasons exploration programme and, while it is probable that further deposits will occur elsewhere within the licence, it is believed that the bulk of the umber is contained within the Bowry Creek area.



5 cm

The majority of the sample material for beneficiation was collected from the reserve of unber material located adjacent to a costean and sondage point, immediately north of the Bowry Creek (347360mE 5397180mN) (Appendix 1 and 2).

Auger hole material from BTSG 1 to 6 was also used to provide approximately 6 kg of unber material for early sighter test work (refer 1991 annual report for collar information). *

The unber deposit at Bowry Creek is easily accessed all year round. The site is well drained and elevated and straddles the Bowry Creek. One sondage point identified unber material to depths in excess of 6 metres although the average depth of the deposit is not known at this stage.

2.2 Ochre

Raw ochre material was primarily sourced from a reserve of material collected during the auger drilling of the HT Site area (Fig. 2). Sondage and costean material was also used (Appendix 1 and 2).

Sample selection was restricted to six of the eleven ore reserve and mining block areas first identified in May 1990 ("A Mineral Reserve and Ore Estimate for the HT Drillsite Area"). Criteria for selection of these blocks were:

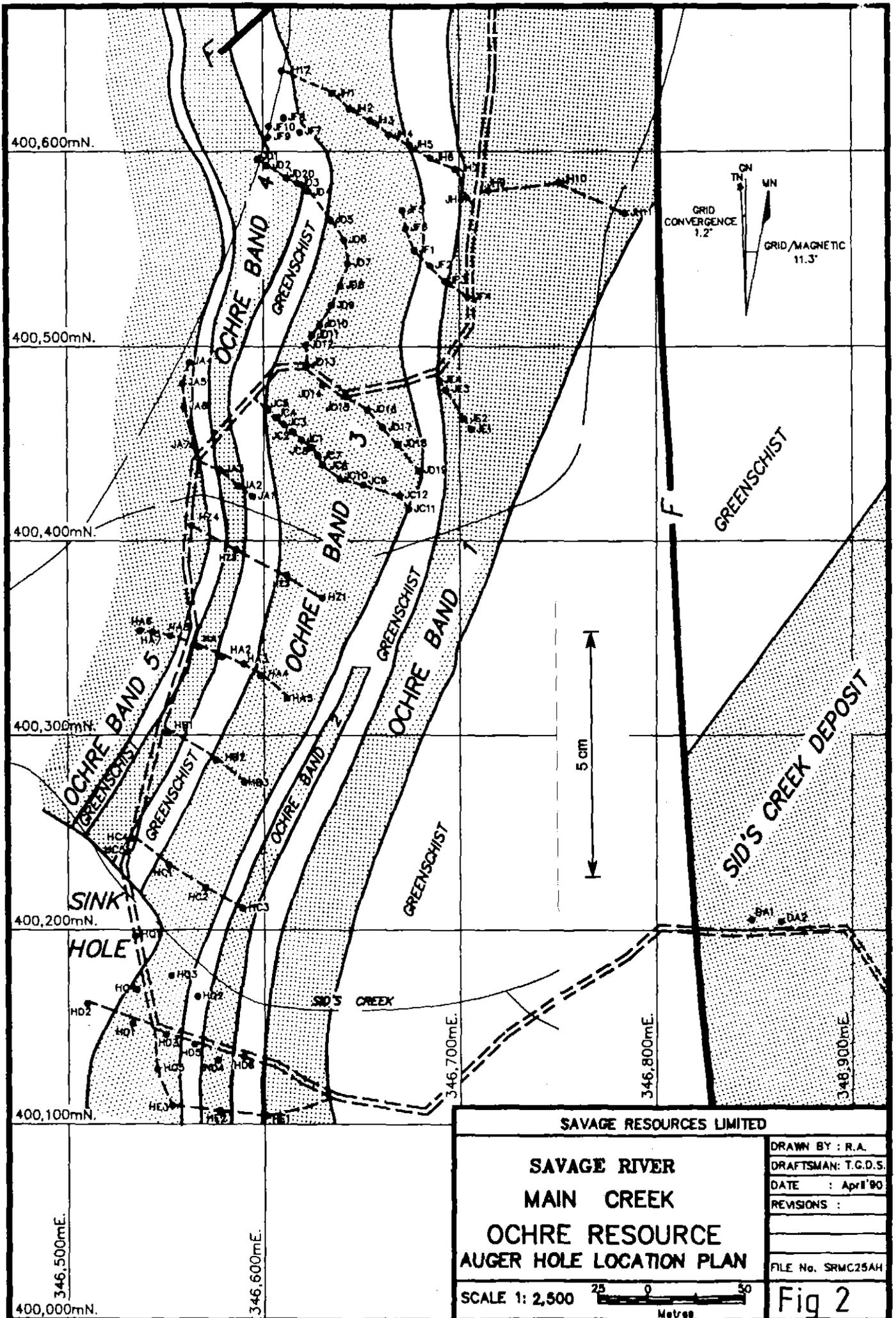
- access; (a) ease of access year round.
- mining; (a) safe extractive areas with good pit wall stability
(b) restrict extractive operations to the least number of areas.
- optimization; (a) location of pit relative to topographical features
(b) good near surface ochre material
(c) good depth and lateral extensions
(d) few colour variations

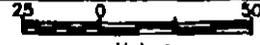
The five areas that met all (or most) of the above conditions are detailed below (Fig. 3):

Area 3/3 area of some 18 by 22 metres with one traverse of 7 auger holes. On higher ground between two creeks, although in a fairly steep area. Yellow-brown and red-brown colours. Good depth extensions.

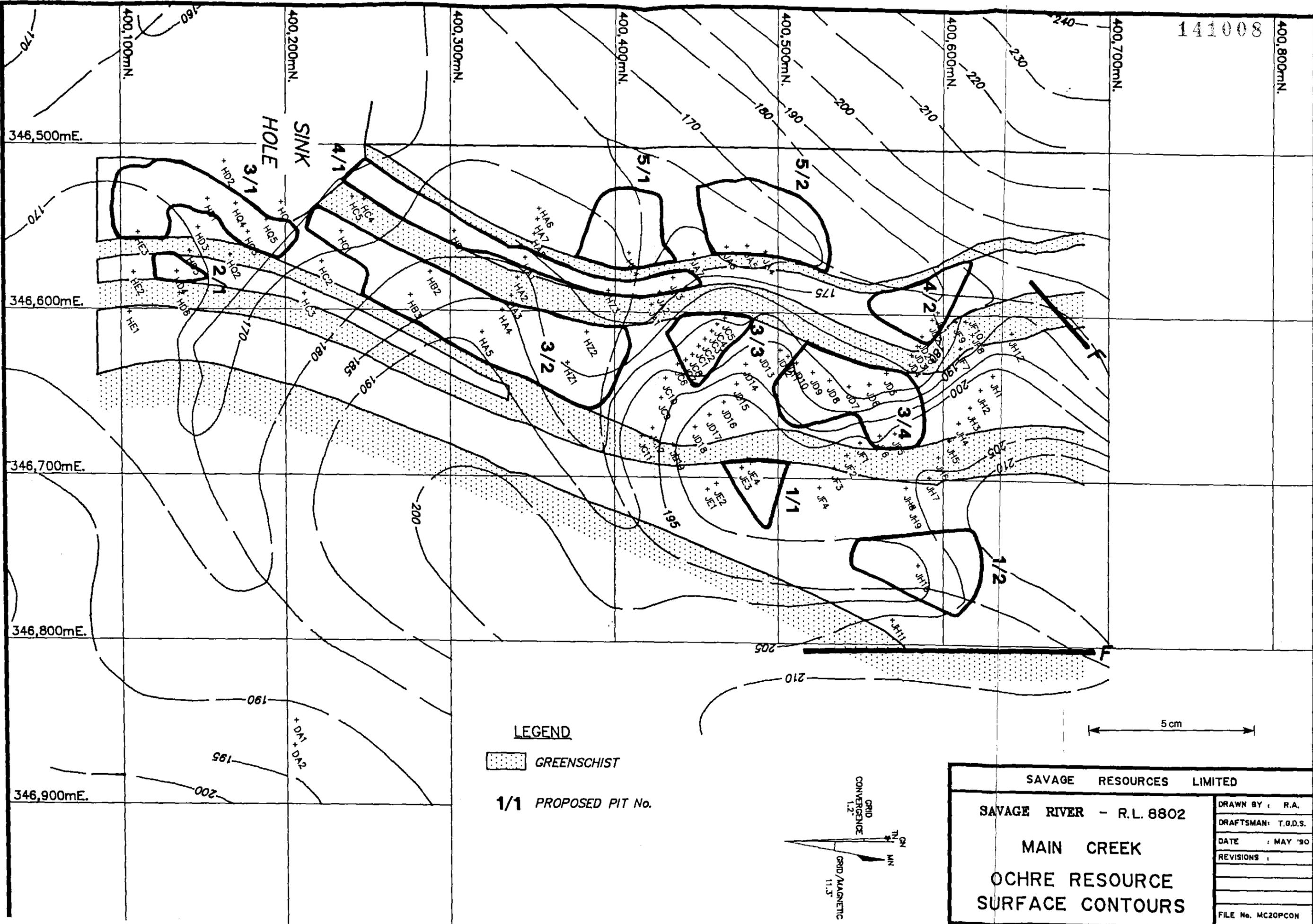
Area 3/4 area of some 20 by 40 metres with two traverses and 8 auger holes. On higher ground above creek, although relatively steep. North-east ground on plateau. Good near surface material with depth extensions. North-east area with some poor cover material but with good depth extensions (>4m). Yellow-brown colours.

Area 1/1 area of some 10 by 15 metres with one traverse containing two auger holes. On high plateau. Good near surface material and depth extensions. Red-brown and minor yellow-brown colours.



SAVAGE RESOURCES LIMITED	
SAVAGE RIVER MAIN CREEK OCHRE RESOURCE AUGER HOLE LOCATION PLAN	
DRAWN BY : R.A.	FILE No. SRMC25AH
DRAFTSMAN: T.G.D.S.	
DATE : Apr'90	
REVISIONS :	
SCALE 1: 2,500 	
Fig 2	

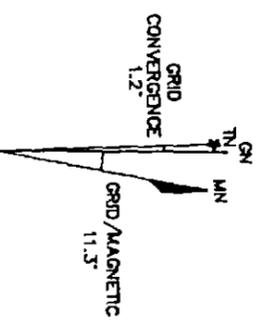
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LEGEND

GREENSCHIST

1/1 PROPOSED PIT No.



SAVAGE RESOURCES LIMITED	
SAVAGE RIVER - R.L. 8802	
MAIN CREEK	
OCHRE RESOURCE	
SURFACE CONTOURS	
DRAWN BY :	R.A.
DRAFTSMAN:	T.G.D.S.
DATE :	MAY '90
REVISIONS :	
FILE No.	MC20PCON

Area 3/2 area of some 40 by 200 metres with four traverses and some 7 auger holes. On high ground with relatively moderate slopes. Good near surface material. Good depth and lateral support. Yellow-brown colours.

Area 2/1 area of some 20 by 20 metres with one auger hole but with good lateral support. High ground area right on main track into HT Ochre site. Yellow-brown colours.

And included for excellence of colour properties:

Area 3/1 area of some 50 by 20 metres with two traverses and four auger holes. Relatively low-lying, boggy area adjacent to creek and sinkhole feature. Good near surface material and both lateral and depth extensions. Excellent yellow colours.

3.0 Research and Development - Pigments.

3.1 Kriez Magnetics Limited

Discrimination of the mineral assemblage, notably the goethite (pigment) from the gangue (kaolin, silica, sericite, etc), by exploiting the magnetic susceptibility of the individual mineral components was attempted by Kriez.

Size beneficiated ochre material was mixed with alkaline water to form a weak slurry. This material was passed through a rare earth high intensity magnetic separator at various magnetic field strengths. A number of flux enhancers were used (steel wool, etc).

The resultant magnetic and non-magnetic components were visually inspected for apparent colour changes/improvements. None were readily observed and this was later confirmed by limited mineralogical work.

Unfortunately at such fine particle sizing the susceptibility contrasts were unable to provide discrimination. Large particles of poor magnetic susceptibility behaved similarly to small particles of high magnetic susceptibility. Size classification of the particles prior to magnetic separation improved the discrimination although the resultant colour improvement was feeble.

3.2 Mozley Limited

A sample of the umber pigment was trialled in a Multi Gravity Separator (MGS) to ascertain the ability of density contrast to achieve mineral discrimination. A one-off pass through the MGS did not appear to provide any worthwhile colour beneficiation and, because of time constraints at the time of testing, no further work was attempted. Mozley has indicated that the MGS unit has now been replaced by the Enhanced Gravity Classifier (EGC) which is reputed to provide density discrimination at particle sizes of 5 micron.

3.3 Merz Australia Pty Limited and the University of South Australia - Levels Campus

The majority of the research was conducted by the University. Merz involvement was as a middle man between Savage and the University although they did attempt some minor beneficiation.

Merz attempted to provide final stage colour beneficiation through electro-polishing. The process was never fully explained. It was considered to consist of the chemical coating of the particles to develop a surface charge and the application of weak electric fields to create particle movement through electro-osmosis. The procedure did not provide any colour enhancement. Only one of three samples sent for electro-polishing was returned for draw down analysis, HB2/6-8 (SR05), (Appendix 5).

The first sample despatched to the University was HB2/12 & 13 (SR04). The exact procedure for its beneficiation was never revealed and sample material was returned as six dried powders marked W1 to W6 with corresponding iron assays.

HB2/12 & 13 (SR04)	Label	Fe Assay %
	W1	34.6
	W2	33.7
	W3	
	W4	32.5
	W5	31.6
	W6	28.7

Draw down tests were performed using a base of white gloss enamel to highlight the colour undertone (Appendix 5). The University strips provide a substantial improvement to sample SR04 with produced colours ranging between very pale brown-yellow to white, with one sample of pale reddish grey. However, yields were impractically low.

Two more samples were sent to the University on the strength of the improvement, HB3/2 & 3 (SR08) and Bowry Creek umber (SR50). After certain demands were made of the University the samples were accompanied by the following data (over page):

SR50 feed assay 41.7% Fe
8.3% Mn

Time (hr)	Sample SR50 Umber u/f after sedimentation			Solids%	Label
	Yield%	Fe%	Mn%		
0.25	28.0	41.0	9.2	2.5	B1
0.75	30.4	42.1	8.3	1.8	B2
3.0	23.6	45.0	7.5	1.0	B3
18.0	13.6	45.0	7.1	0.4	B4
25.0	1.8	41.7	7.5	0.1	B5
144.0	1.8	40.8	8.3	0.05	B6
overflow	0.7	30.0	10.0		B7

SR08 feed assay 23.0% Fe

Time (hr)	Sample SR08 HB3/2 & 3 u/f after sedimentation			Solids%	Label
	Yield%	Fe%	Mn%		
0.5	13.7	10.4		10.0	W1
2.0	14.9	14.6		3.0	W2
3.0	11.3	23.6		2.5	W3
15.0	17.6	27.5		2.0	W4

Selective Flocculation of overflow with a starch flocculant

first u/f	2.5	42.5			W5
second u/f	10.0	35.0			W6
third u/f	20.6	24.6			W7
overflow	12.2	24.0		2.0	W8

The University material from these tests, labeled W1 to W8 (HB3/2 & 3) and B1 to B7 (umber), was evaluated by draw down tests (Appendix 5). The samples were mixed in a base of white gloss enamel to highlight undertone.

The University samples W1 to W8 (ochre) provided a range of colours from white through pink to pale brown-yellow. The degree of improvement on the original material SR08 was slight. The flocculation of the ochre material using a corn starch did provide the sample with the highest

iron assay and best yellow-brown undertone but at considerable expense to the pigment recovery (2.5% recovery within a slurry of pulp density of 2%).

Samples B1 to B7 (umber) provided undertones of grey, grey-brown and white. Enhancement of the brown undertone in samples B4 to B6 when compared to the original sample SR50 is marked. Sedimentation of the umber pigment material failed to provide any significant improvement to the iron and manganese values although colour improvement was marked after sedimentation of 3 hours. The University failed to provide any data on the flocculation of the umber material although verbal indication was that it proved unsuccessful.

The University did not apply any state of the art mineral processing to achieve their beneficiation of the original pigment material.

The University proved that Savage's size classification required improvement. Goethite and gangue particles from 30 micron to around 10 micron (effectively that material termed underflow after sedimentation) were shown to have undertones of white and pink. This material must be removed to achieve yellow-brown pigment.

No further work was undertaken by the University and Savage declined to proceed with a comprehensive one year research programme.

3.4 Savage River Laboratory Work

Without recourse to flocculation and chemical doping techniques the pigment quality, measured as the ability of the pigment to stain and provide a yellow-brown mass colour, is determined by its particle sizing and shape.

Iron content is also important, although the assumption that the high iron pigments display the best colour qualities is not strictly correct. However it is correct that the tighter the particle size range the stronger the pigment chroma and the finer the particle sizing the better the pigment staining power.

Laboratory work focused on the need to improve the goethite material by size and particle shape and, while the laboratory process has scope for further refinement, discrimination was achieved through the use of hydrocyclones (sizing) and sedimentation (shape) under strictly controlled pH conditions.

There is no requirement to grind Savage River goethite material as the vast majority of the particles are essentially under 10 micron (and most below 4 micron). Most, if not all, other *natural* iron oxide pigment manufacturers require expensive grinding to achieve a fine particle sizing.

Dried pigment material is however lightly milled to de-agglomerate the particles after the filtering and drying process. Colour strips of samples HB2/6-8 and HB3/2 & 3 (Appendix 5) reveal the change in the colour mass tone and hiding power after ring milling. Final pigment

quality is only able to be evaluated after the removal of particle agglomerates. Note the non-slip and gritty finish to all of the colour strips where pigment has not been lightly milled.

Raw ochre material was sourced from six areas (3/3, 3/4, 1/1, 3/2, 2/1 and 3/1, see ch. 2.2). Individual samples from each of the block were composited to provide a run-of-mine sample designated SR68 to 76 (Appendix 1 to 3) and the resultant pigment evaluated by draw down study (Appendix 5). Three composite samples, SR73 to 75, of average pigment quality were composited and the resultant pigment material established as the "master batch" for refined Savage River ochre pigment. All ochre pigment produced by the laboratory is referenced to this material for mass tone, under tone and staining power.

Current "blended" Savage River ochre pigment is superior to any other pigment previously produced (note tone and staining power difference between SR80 and Ralph Shackelford bulk sample, Appendix 5).

Umber material is sourced exclusively from the Bowry Creek deposit. The umber is processed in the same manner as the ochre. The umber does behave differently at various stages during the beneficiation process but not sufficiently to warrant any change to the overall process route. Draw down analyses (SR77 and 79) confirm the strong colour and staining power of the umber pigment (Appendix 5). It is noted that substantial amounts of umber pigment is not recovered in the current laboratory process and further work is required to improve the umber recovery.

Limited calcination trials have been performed on the ochre and umber pigment. The mass tone of the umber when calcined in a reduced oxygen environment at temperatures of 300 degrees Celsius darkens considerably and its staining power increases (SR77, Appendix 5). The ochre pigment changes colour from yellow-brown to red (goethite to hematite) at around 300 degrees Celsius in an electric muffle furnace, various red tones are produced at higher temperatures (SR81/83 Appendix 5). Staining power is also affected, at 500 degrees the calcined material has nearly twice the staining power of the original ochre pigment.

The laboratory has recently made over 70 kg of umber and 90 kg of ochre pigment for market studies.

4.0 Market Studies - Pigments

Discussions with various end users and traders throughout Europe, USA and Asia continue although greater emphasis is now placed to market pigment in the Australian and SE Asian region. The pigment is currently being evaluated by the concrete industry.

Several local manufacturers of concrete products have expressed interest in both our ochre and umber material. A recent evaluation of our pigment was completed at the Pooraka operations of Boral-Holostone detail of which has been taken from an internal company report and is reproduced at the front of the Appendices.

5.0 Long Plains South Magnetite Deposit

A critical review of the drilling data has been completed and the text is reported for completeness (Appendix 4). Complete copy together with plans will be forwarded under separate cover.

REPORT ON THE USE OF SAVAGE RESOURCES PIGMENT
AT
POORAKA BRICK AND TILE PLANT
ADELAIDE
PART OF THE BORAL-HOLOSTONE OPERATIONS

SUMMARY

Micronised Savage River yellow-brown ochre and dark brown umber pigment material was used in the manufacture of coloured concrete blocks at the Pooraka operations of Boral-Holostone.

A standard Boral "block" mix of red and white sand, stone aggregate and grey cement was used.

Five hand made brickettes were shaped to determine the colour and staining power of our ochre and umber material. A further eleven brickettes were made using a combination of ochre and/or umber together with various amounts of synthetic pigment.

Three of the sixteen pigment combinations were trialled in the automated batch concrete process.

A straight umber mix and a combination of ochre, umber and synthetic red coloured the block mix a light grey-brown and pale red respectively.

A combination of ochre, umber and minor synthetic red and yellow pigment coloured the block a pale brown colour (with red undertone). This colour closely matched the "desert sand" brick produced by Boral.

BACKGROUND

In late April 1992 Savage River ochre and umber pigment was evaluated by Noel Reid of Boral-Holostone (Pooraka). It was concluded that the pigment had sufficient indicated pigment strength to warrant follow-up evaluation. A batch production run through Boral's automated concrete block process was recommended. A minimum requirement of 50 kg of both umber and ochre was required.

Savage commenced pigment production in early May and over a four week period the laboratory processed over 200 kg of raw ochre material and in excess of 250 kg of raw umber material.

Micronisation of the pigment was undertaken in Melbourne following the drying of the filter cake at a commercial analytical laboratory and after a long delay the refined pigment was available for testwork in early August.

After micronisation the recovered weight of material was some 90 kg of ochre and 70 kg of umber.

PROCEDURE

The batch mix for block production through the smaller (and older) of the two automated batch plants was as follows:

Material	weight	weight used in sighter work
white sand	500 (kg)	71.4 (g)
red sand	500 (kg)	71.4 (g)
1/8 inch stone	150 (kg)	21.4 (g)
1/4 inch stone	250 (kg)	35.7 (g)
grey cement	140 (kg)	20 (g)

At a cement to pigment ratio of 1:20 (5% loading) the mix required some 7 kg of pigment (or 1 g for the sighter work).

1. Sighter Test Work.

The ingredients were weighed to the accuracy of the scales (50 milligrams) and placed into a mixing vessel and dispersed using a palette knife. When the mix was homogenous 8 mL of distilled water was added and the mix vigorously stirred to ensure even dispersion and wettness. The material was then placed into a petri dish and pressed firmly in with the flat of the blade, excess material was discarded. The dishes were placed into the drying oven at 5.00 pm and subjected to a standard drying cycle for blocks (2 hours setting followed by 3 hours steaming time). The dishes were removed from the drying oven the following morning at 8.00 am. The following pigment mixes were made:

start colour	-- SAVAGE RIVER -		----- HAYER -----			loading	finished colour
	ochre (yellow)	umber (brown)	420 (yellow)	686 (brown)	130 (red)		
none	---- NO PIGMENT FOR TEST COMPARISON ----						grey
yellow-brown	1.0g					5.0%	lt br-grey
yellow-brown	2.0g					10.0%	pl yel-brown
yellow-brown		0.5g	0.5g			5.0%	pl yel-brown
yellow		0.5g	0.5g			5.0%	pl yel-brown
dark brown		1.0g				5.0%	pale br-grey
dark brown		1.5g				7.5%	ple gr-brown
dark brown		2.0g				10.0%	brown
dark brown		0.5g		0.5g		5.0%	dk-med brown
desert sand			0.8	0.05g	0.15g	5.0%	desert sand
desert sand	0.6g		0.4g		0.2g	6.0%	desert sand
desert sand	0.5g		0.4g		0.3g	6.0%	desert sand
desert sand	0.5g		0.5g		0.2g	6.0%	desert sand
desert sand	0.5g	0.3g			0.2g	5.0%	desert sand
desert sand	0.5g	0.5g			0.2g	6.0%	desert sand
desert sand	0.6g	0.1g	0.4		0.1g	6.0%	desert sand

The dried blocks were assessed for cleanness of colour and depth of colour. It was agreed that the colours displayed by the Boral desert sand mix and the non-pigmented brickette were darker and stronger than normal.

Never the less based on the strength of the displayed colours three pigment mixes were selected for follow-up evaluation. The criteria for selection was as follows:

- a straight umber mix at a loading of 7.5%. The brickette displayed medium brown colours of sufficient depth to be classed as a good single colour.
- a mix of Savage River ochre and umber together with synthetic yellow and red at a combined pigment loading of 6%. The brickette closely matched the colour of the Boral "desert sand".
- a mix of Savage River ochre and umber together with synthetic red at a loading of 5%. The brickette displayed a good depth of red colour and was classed as a good single colour.

2. Batch Plant

The batch plant mix required 140 kg of grey cement for block production and this in turn set the pigment weight of:

Batch One - "Desert Sand" 6% Loading

4.2 kg (9 lb 4 oz)	ochre
2.8 kg (6 lb 2.7 oz)	Bayer 420 yellow
0.7 kg (1 lb 8.6 oz)	Bayer 130 red
0.7 kg (1 lb 8.6 oz)	umber

Batch Two - "Red" 5% Loading

3.5 kg (7 lb 11.4 oz)	ochre
2.1 kg (4 lb 10 oz)	umber
1.4 kg (3 lb 1.3 oz)	Bayer 130 red

Batch Three - "Brown" 7.5% Loading

10.5 kg (23 lb 3.8 oz)	umber
------------------------	-------

All pigment colours other than synthetic red were weighed in the pigment shed on scales marked in pounds and ounces. Synthetic red was weighed at the tile plant on metric scales. Pigments were placed into suitable paper bags and were not blended to an homogenous mix prior to their addition to the concrete mix.

Batches were sequential with our batch one following on from the production of a white block. Batch three was followed by a standard Boral "desert sand" mix.

The three batch runs were completed shortly before midday and the blocks were placed into a drying oven for overnight curing. Batch one, two and three were placed at the rear of the oven. The blocks were removed at 8.30 am the following morning and inspected by the Production Manager.

3. Boral Pigment.

The Boral "desert sand" mix is a blend of the following synthetic pigments:

17	Bayer 420 yellow
1	Bayer 686 brown
3	Bayer 130 red

Most of Boral's pigment requirement is supplied by Bayer in powder form, either in 25 kg paper bags or as large bulk-bags. Bayer supplies material from either Germany or the USA (Mobay Corporation). Certain batch plant operators prefer the German material as its flow characteristics are superior.

Boral "desert sand" is sourced from Emdon Chemicals (Gary Booth) or Hodgsons Dyes Agencies (Sean Morrison) in Melbourne.

DISCUSSION

All three batches produced a clean well-moulded block with little evidence of fretting or structural weakness. Blocks require a minimum strength of 12 mpa at 28 days (35 mpa for 60 mm paving and 45 mpa for 80 mm paving).

The Savage River desert sand mix closely matched the Boral "desert sand" both in shade and depth of colour (staining power). Indeed at one point when the bricks were racked it was difficult to distinguish between the two. On close inspection Savage River desert sand has a red undertone whereas the Boral "desert sand" has a brown undertone. This slight tonal variation is expected to be eliminated by the addition of more umber material and the removal of the synthetic red component.

Inspection of batches two and three, red and brown respectively, revealed a lightly coloured red and brown brick. It was thought that both bricks lacked depth of colour when placed against a Boral red and brown (with blue undertone) brick. It was concluded that further blending by way of a different synthetic mix would be required to evaluate the potential of the Savage River umber.

In assessing a pigment the Production Manager indicated that Quality Assurance was critical and while colour strength is important thought must be given to other physical properties such as:

- stability
- flow
- strength retention.

It was concluded that Savage Resources would implement a strength test on the blocks from all three batches.

APPENDIX ONE

A 1. Collar Information for Drill Hole Sample Material

Depth of Sample

COLLAR INFORMATION FOR DRILL HOLE SAMPLE MATERIAL

Hole ID	AMG Easting	AMG Northing	AHD
HA1	346567.48	5400345.96	177.61
HA4	346599.28	5400331.55	186.08
HA5	346612.72	5400319.52	189.30
HB1	346551.80	5400302.31	176.67
HB2	346576.44	5400287.67	181.89
HB3	346590.71	5400276.15	183.04
HC1	346552.38	5400233.91	167.87
HD1	346533.38	5400152.42	168.66
HD4	346577.02	5400133.51	172.42
HR3	346553.61	5400110.12	170.76
HQ1	346534.86	5400197.33	164.23
HQ3	346553.16	5400177.04	165.96
HQ4	346535.93	5400169.72	165.49
HQ5	346545.66	5400188.50	164.78
HZ1	346630.90	5400371.04	179.94
HZ2	346612.55	5400382.83	177.20
HZ3	346586.96	5400396.04	173.54
JC1	346620.33	5400452.26	186.99
JC2	346616.00	5400456.21	187.04
JC3	346611.24	5400460.25	186.65
JC5	346603.25	5400468.12	184.35
JC7	346628.83	5400444.35	187.36
JC8	346625.42	5400448.44	187.05
JD5	346635.33	5400565.14	181.71
JD6	346642.41	5400555.07	182.54
JD7	346644.11	5400543.09	184.18
JD8	346640.56	5400531.52	185.61
JD9	346635.87	5400521.33	187.11
JD10	346629.94	5400511.23	189.82
JK3	346693.90	5400477.98	203.84
JK4	346690.64	5400482.97	204.07
Bowry UMBER	397175	5397350	

DEPTH OF SAMPLE MATERIAL

HA 1/1	0	1.5
/2	1.5	3.0
/3	3.0	4.0
/4	4.0	4.5
/5	4.0	6.0
HA 4/1	0	1.5
/2	1.5	3.0
/3	3.0	4.5
/4	4.5	6.0
/5	6.0	7.5
/6	7.5	8.5
/7	8.5	10.5
/8	10.5	12.0
/9	12.0	12.5
/10	12.5	13.0
/11	13.0	13.5
HA 5/1	0.0	1.5
/2	1.5	2.0
/3	2.0	2.5
/4	2.5	3.5
/5	3.5	4.5
/6	4.5	6.0
/7	6.0	8.5
/8	8.5	9.0
/9	9.0	10.5
/10	10.5	12.0
/11	12.0	13.5
/12	13.5	15.0
/13	15.0	16.0
/14	16.0	17.0
/15	17.0	18.5
/16	18.5	19.5
/17	19.5	21.0
HB 1/1	0.0	0.5
/3	1.5	2.5
HB 2/1	0.0	1.5
/2	1.5	3.0
/3	3.0	4.5
/4	4.5	5.5
/5	5.5	6.0
/6	6.0	6.5
/7	6.5	8.0
/8	8.0	10.0
HB 3/1	0.0	2.0
/2	2.0	3.0
/3	3.0	5.0
/4	5.0	6.0
/5	6.0	7.5

HB 3/6	7.5	9.0
HC 1/1	0.0	1.5
/2	1.5	2.5
/4	3.0	5.0
HD 1/2	1.5	3.0
/3	3.0	6.0
/4	6.0	11.5
HD 4/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5
/5	5.5	7.0
/6	7.0	8.3
/7	8.3	10.0
/8	10.0	11.0
/9	11.0	12.0
/10	12.0	13.0
/11	13.0	14.0
/12	14.0	15.0
/13	15.0	16.0
/14	16.0	17.0
/15	17.0	18.0
/16	18.0	19.0
/17	19.0	20.0
/18	20.0	21.0
/19	21.0	22.0
/20	22.0	23.0
HK 3/3	3.5	5.0
/5	6.0	9.0
HQ 1/2	1.0	2.5
/3	2.5	4.0
HQ 3/1	0.0	1.0
/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5
HQ 4/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5
HQ 5/5	5.5	7.0
/6	7.0	8.5
HZ 1/1	0.0	1.5
/2	1.5	2.0
/3	2.0	3.0
/4	3.0	4.5
/5	4.5	6.0
HZ 2/1	0.0	1.5
/2	1.5	3.0

HZ 2/3	3.0	4.5
/4	4.5	6.0
HZ 3/1	0.0	1.5
/2	1.5	2.5
/3	2.5	3.5
/4	3.5	4.5
/5	4.5	5.5
/6	5.5	6.0
/7	6.0	8.0
/8	8.0	8.5
/9	8.5	9.0
JC 1/1	0.0	1.5
/2	1.5	2.7
/3	2.7	3.2
/4	3.2	4.0
/5	4.0	4.5
JC 2/1	0.0	1.0
/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5
JC 3/2	1.0	2.5
/3	2.5	3.5
/4	3.5	4.0
JC 5/1	0.0	1.0
/2	1.0	2.5
JC 7/1	1.0	2.5
/2	2.5	4.0
/3	4.0	5.5
JC 8/2	2.5	4.0
/3	4.0	5.5
JD 5/1	0.0	1.0
/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5
JD 6/1	0.0	1.0
/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5
JD 7/2	1.0	2.5
/3	2.5	3.8
/4	3.8	4.0
JD 8/1	0.0	1.0
/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5

JD 9/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5
JD10/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.3
JE 3/1	1.2	2.5
/2	2.5	4.0
JE 4/2	1.0	2.5
/3	2.5	4.0
/4	4.0	5.5

APPENDIX TWO

A 2. Laboratory Sheets

SAVAGE RESOURCES LIMITED

Date Started: 19-11-91 Laboratory #: SR 66

Bore Core(s) #: HZ 3/4 - 6

Moisture Sample Mass 150 g

Moisture Sample Mass (Dried @ 105 C) ... 144 g

Moisture Loss on Drying 6 g

Moisture Loss 4 g

Process Sample mass (as rec.) 3000 g

Process Sample Mass Estimated Dry 2880 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$.. 3500 mL B Ch. $\frac{A}{A+B} * 100 = 45$

-12mm +0.5mm (Est. Dried) g C (Err on light side)

(Dried) 592 g ~~****~~

Process Sample -0.5mm (Est) = A - C 2288 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$ 22812 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 764 g ~~****~~Cyclone Overflow-sediment (Dry) 831 g ~~****~~

SAVAGE RESOURCES LIMITED

Date Started: 19-11-91 Laboratory #: SR 67

Bore Core(s) #: HZ 3/7 - 9

Moisture Sample Mass 150 g
 Moisture Sample Mass (Dried @ 105 C) ... 134 g
 Moisture Loss on Drying 16 g
 Moisture Loss 11 g

Process Sample mass (as rec.) 3000 g
 Process Sample Mass Estimated Dry 2679 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)... mL B Ch. $\frac{A}{A+B} * 100 = 45$

-12mm +0.5mm (Est. Dried) g C (Err on light side)

(Dried) 651 g ****

Process Sample -0.5mm (Est) = A - C g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1162 g ****

Cyclone Overflow-sediment (Dry) 699 g ****

SAVAGE RESOURCES LIMITED

Date Started: 05-07-91 Laboratory #: SR 68

Bore Core(s) #: JC Composite (JC 1/1-5, JC 2/1-4, JC 3/2-4, JC 5/1&2
JC 7/1-3, JC 8/2&3)

Moisture Sample Mass	50 g
Moisture Sample Mass (Dried @ 105 C) ...	45 g
Moisture Loss on Drying	5 g
Moisture Loss	10 g

Process Sample mass (as rec.)	3000 g
Process Sample Mass Estimated Dry	2700 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)...	mL B	Ch. $\frac{A}{A+B} * 100 = 45$
---------------------------------	------	--------------------------------

-12mm +0.5mm (Est. Dried)	g C	(Err on light side)
(Dried)	377 g ****	

Process Sample -0.5mm (Est) = A - C	g D
---	-----

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B)	mL E	Ch. $\frac{D}{(B+D+E)} * 100 = 8$
---------------------------------------	------	-----------------------------------

Cyclone Underflow Mass (Dry)	1290 g ****
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Cyclone Overflow-Sediment (Dry)	284 g ****
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Cyclone Overflow-Overflow (Dry)	545 g ****
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SAVAGE RESOURCES LIMITED

Date Started: 05-07-91 Laboratory #: SR 69

Bore Core(s) #: JD Composite (JD 5/1-4, JD 6/1-4, JD 7/2-4, JD 8/1-4
JD 9/2-4, JD 10/2-4)

Moisture Sample Mass 50 g

Moisture Sample Mass (Dried @ 105 C) ... 44 g

Moisture Loss on Drying 6 g

Moisture Loss 12 g

Process Sample mass (as rec.) 3000 g

Process Sample Mass Estimated Dry 2640 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) .. mL B Ch. A * 100 = 45
A+B

-12mm +0.5mm (Est. Dried) g C (Err on light side)

(Dried) 585 g ****

Process Sample -0.5mm (Est) = A - C g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) mL E Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry) 1228 g ****

Cyclone Overflow-Sediment (Dry) 124 g ****

Cyclone Overflow-Overflow (Dry) 558 g ****

SAVAGE RESOURCES LIMITED

Date Started: 05-07-91 Laboratory #: SR 70

Bore Core(s) #: JK Composite (JK 3/1, JK3/2)

Moisture Sample Mass 50 g

Moisture Sample Mass (Dried @ 105 C) ... 39 g

Moisture Loss on Drying 11 g

Moisture Loss 22 g

Process Sample mass (as rec.) 2500 g

Process Sample Mass Estimated Dry 1950 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$... mL B Ch. $\frac{A}{A+B} * 100 = 45$

-12mm +0.5mm (Est. Dried) g C (Err on light side)

(Dried) 15 g ~~xxxx~~

Process Sample -0.5mm (Est) = A - C g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$ mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 866 g ~~xxxx~~Cyclone Overflow-Sediment (Dry) 301 g ~~xxxx~~Cyclone Overflow-Overflow (Dry) 687 g ~~xxxx~~

SAVAGE RESOURCES LIMITED

141031

Date Started: 05-07-91 Laboratory #: SR 71

Bore Core(s) #: JK Composite (JK 4/2-4)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) ... 40 g
 Moisture Loss on Drying 10 g
 Moisture Loss 20 %

Process Sample mass (as rec.) 3000 g
 Process Sample Mass Estimated Dry 2400 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)... mL B Ch. A * 100 = 45
 A+B

-12mm +0.5mm (Est. Dried) g C (Err on light side)
 (Dried) 106 g ~~stick~~

Process Sample -0.5mm (Est) = A - C g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1075 g ~~stick~~

Cyclone Overflow-Sediment (Dry) 379 g ~~stick~~

Cyclone Overflow-Overflow (Dry) 979 g ~~stick~~

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Main Creek Pigment Laboratory Report

Bore-core # (s) .. HZ / COMP. / / /
Laboratory # SR72

Date Started 15/07/91
Date Finished 1/190

Geologists Description :-
* HZ 1 | 1-5
* HZ 2 | 1-3
*

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
HZ 1 COMP.	2600 g	NIL g	NIL
/	g	g	
/	g	g	
<u>Total Mass</u>	<u>g</u>	<u>g</u>	<u>%</u>

Moisture Sample Mass.....	50	g	
Moisture Sample Mass (Dried @ 105 C).....	47	g	
Moisture Loss on Drying.....	3	g	
Moisture Loss %.....	6	%	
Reserve Sample Mass(es) ..	g,	g,	g
Process Sample Mass (as rec.).....	2442	g	
Process Sample Mass (Est. Dried).....			2295 g
-12 mm +0.5 mm Mass (Dry).....	g..	407	g
Pump Tank Sediment (if any).....	248	g	
Blunge #1 Cyclone Underflow Mass.....	790	g	
Total -0.5 mm +0.01 mm Mass (Dry)...	g..	1038	g
Blunge #1 Cyclone Overflow Mass.....	g..	683	g
Reclaimed Process Sample Mass (Dry).....			2128 g
Process Sample Losses (Dry).....			167 g

Colour of B #1 Product - Munsell
- L, a, b.

Colour Comment

Hue :-
Greyness :-
Chroma :-
Attractiveness :-
Other Comment :-

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Main Creek Pigment Laboratory Report

Page # 1

Bore-core #(s).. HA / COMP 1 / 1
Laboratory # SR 73

Date Started 05/07/90

Date Finished 1 / 190

Geologists Description :- HA 4 | 1-4
* HA 5 | 1-6
*
*
*

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
IT 2 / COMP	1940 g	69 g	3.6
1	g	g	
1	g	g	
<u>Total Mass</u>	g	g	%

Moisture Sample Mass.....	50	g	
Moisture Sample Mass (Dried @ 105 C).....	49	g	
Moisture Loss on Drying.....	1	g	
Moisture Loss %.....	2	%	
Reserve Sample Mass(es).....	-	g	
Process Sample Mass (as rec.).....	1716	g	
Process Sample Mass (Est. Dried).....			1682 g
-12 mm +0.5 mm Mass (Dry).....		g	181 g
Pump Tank Sediment (if any).....	184	g	
Blunge #1 Cyclone Underflow Mass....	755	g	
Total -0.5 mm +0.01 mm Mass (Dry)...		g	939 g
Blunge #1 Cyclone Overflow Mass.....	g	445	g
Reclaimed Process Sample Mass (Dry).....			1639 g
Process Sample Losses (Dry).....			48 g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LIMITED

Date Started: 05-07-91 Laboratory #: SR 74

Bore Core(s) #: HB Composite (HB 2/1-4, HB 3/1-3)

Moisture Sample Mass	50 g
Moisture Sample Mass (Dried @ 105 C) ...	47 g
Moisture Loss on Drying	3 g
Moisture Loss	6 %

Process Sample mass (as rec.)	1084 g
Process Sample Mass Estimated Dry	1019 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)...	mL B	Ch. <u>A</u> * 100 = 45
		A+B

-12mm +0.5mm (Est. Dried)	g C	(Err on light side)
(Dried)	104 g ****	

Process Sample -0.5mm (Est) = A - C	g D
---	-----

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B)	mL E	Ch. <u>D</u> * 100 = 8
		(B+D+E)

Cyclone Underflow Mass (Dry)	333 g ****
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Cyclone Overflow-Sediment (Dry)	129 g ****
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Cyclone Overflow-Overflow (Dry)	372 g ****
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141035

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Page # 1

Bore-core #(s).. HO91 COMP 1
 Laboratory # SR75

Date Started / / 1988
 Date Finished / / 1988

Geologists Description :- HO 4/2-4

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 *

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
<u>HO91 COMP</u>	<u>2530</u> g	<u>22</u> g	<u>0.9</u>
/	g	g	
/	g	g	
<u>Total Mass</u>	<u> </u> g	<u> </u> g	<u> </u> %

Moisture Sample Mass..... 50 g
 Moisture Sample Mass (Dried @ 105 C)..... 41 g
 Moisture Loss on Drying..... 9 g
 Moisture Loss %..... 18 %

Reserve Sample Mass(es)..... — g, g, g
 Process Sample Mass (as rec.)..... 2325 g
 Process Sample Mass (Est. Dried)..... 1987 g

-12 mm +0.5 mm Mass (Dry)..... 674 g

Pump Tank Sediment (if any)..... 155 g
 Blunge #1 Cyclone Underflow Mass.... 677 g
 Total -0.5 mm +0.01 mm Mass (Dry)... 832 g

Blunge #1 Cyclone Overflow Mass..... 486 g
 Reclaimed Process Sample Mass (Dry)..... 2014 g
 Process Sample Losses (Dry)..... 311 g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

141036

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Page # 1

Bore-core #(s) .. HQ / COMP. / / /
 Laboratory # SR 76

Date Started / / 190
 Date Finished / / 190
 Geologists Description :-

HQ 1 / 2 & 3
 HQ 3 / 1-4
 HQ 4 / 2-4
 HQ 5 / 5 & 6

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
HQ / COMP	2100 g	267 g	12.7
/	g	g	
/	g	g	
Total Mass	g	g	%

Moisture Sample Mass.....
 Moisture Sample Mass (Dried @ 105 C).....
 Moisture Loss on Drying.....
 Moisture Loss %.....

50 g
 45 g
 5 g
 10 %

Reserve Sample Mass(es) .. g.
 Process Sample Mass (as rec.).....
 Process Sample Mass (Est. Dried).....

g.
 1662 g
 1496 g

-12 mm +0.5 mm Mass (Dry).....

g.. 201 g

Pump Tank Sediment (if any).....
 Blunge #1 Cyclone Underflow Mass....
 Total -0.5 mm +0.01 mm Mass (Dry)...

171 g
 624 g
 g.. 795 g

Blunge #1 Cyclone Overflow Mass.....
 Reclaimed Process Sample Mass (Dry).....
 Process Sample Losses (Dry).....

g.. 427 g
 g 1690 g
 +28 g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

141037

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Page # 1

Bore-core #(s).. / / /

Laboratory # SR 77

Date Started 24 / 7 / 91

Date Finished 25 / 7 / 91

Geologists Description :-

* BOWRY UMBER - SPUDGE MATERIAL
 *
 *

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
/	g	g	
/	g	g	
/	g	g	
<u>Total Mass</u>	<u>g</u>	<u>g</u>	<u>%</u>

Moisture Sample Mass..... 100 g
 Moisture Sample Mass (Dried @ 105 C)..... 76 g
 Moisture Loss on Drying..... 24 g
 Moisture Loss %..... 24 %

Reserve Sample Mass(es)..... g
 Process Sample Mass (as rec.)..... 3000 g
 Process Sample Mass (Est. Dried)..... 2280 g
 -12 mm +0.5 mm Mass (Dry)..... g.. 100 g
 Pump Tank Sediment (if any)..... 879 g
 Blunge #1 Cyclone Underflow Mass..... 1156 g
 Total -0.5 mm +0.01 mm Mass (Dry).... g.. 2030 g

Blunge #1 Cyclone Overflow Mass..... g.. 391 g
 Reclaimed Process Sample Mass (Dry)..... 2521 g
 Process Sample Losses (Dry)..... + 241 g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment 1:-

141038

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Main Creek Pigment Laboratory Report

Bore-core #(s) .. TC / Comp / RPT /
 Laboratory # SR78

Date Started 25/7/91
 Date Finished 1/91
 Geologists Description :- Rpt SR 60
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 *
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Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
<u>TC / Comp RPT</u>	g	g	
<u>/</u>	g	g	
<u>/</u>	g	g	
<u>Total Mass</u>	g	g	%

Moisture Sample Mass..... g
 Moisture Sample Mass (Dried @ 105 C)..... g
 Moisture Loss on Drying..... g
 Moisture Loss %..... 10 %

Reserve Sample Mass(es)..... g
 Process Sample Mass (as rec.)..... 1177 g
 Process Sample Mass (Est. Dried)..... 1059 g

-12 mm +0.5 mm Mass (Dry)..... g.. 102 g

Pump Tank Sediment (if any)..... 130 g
 Blunge #1 Cyclone Underflow Mass..... 559 g
 Total -0.5 mm +0.01 mm Mass (Dry)..... g

Blunge #1 Cyclone Overflow Mass..... g
 Reclaimed Process Sample Mass (Dry)..... g
 Process Sample Losses (Dry)..... g

Colour of B #1 Product - Munsell
 - L, a, b.

Colour Comment
 Hue :-
 Greyness :-
 Chroma :-
 Attractiveness :-
Other Comment i:-

vacuum dried

141039

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Page # 1

Bore-core #(s)... / Laboratory # SR79

Date Started 9/18/98
 Date Finished 15/18/98
 Geologists Description :-

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Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
BOWRY UMBER	g	g	
/	See SR50	g	
/	Repeat	g	
<u>Total Mass</u>	g	NIL	NIL %

Moisture Sample Mass..... 90 g
 Moisture Sample Mass (Dried @ 105 C)... 73 g
 Moisture Loss on Drying..... 17 g
 Moisture Loss %..... 18.8 %

Reserve Sample Mass(es)... — g
 Process Sample Mass (as rec.)..... 3000 g
 Process Sample Mass (Est. Dried)..... 2436 g

4.7% -12 mm +0.5 mm Mass (Dry)..... 9.115 g

17.3% Pump Tank Sediment (if any)..... 421 g

25.0% Blunge #1 Cyclone Underflow Mass.... 608 g

Total -0.5 mm +0.01 mm Mass (Dry)... 9.1029 g

85%, 20.7%, 17.7% Blunge #1 Cyclone Overflow Mass.... 208 g ① 505 g ② 480 g ③
 Reclaimed Process Sample Mass (Dry)..... g 2337 g
 Process Sample Losses (Dry)..... 99 g

4.1% Colour of B #1 Product - Munsell
 - L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

Floating ~~black~~ umber

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Page # 1

Bore-core #(s)...

OCHRE

Laboratory # SR80

Date Started 13/8/98
 Date Finished 15/8/98
 Geologists Description :-

repeat of Ralph's bulk sample less one sample.

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
OCHRE 1	8000 g	NIL g	NIL
1	g	g	
1	g	g	
Total Mass	8000 g	NIL g	NIL %

Moisture Sample Mass..... 100 g
 Moisture Sample Mass (Dried @ 105 C)..... 93 g
 Moisture Loss on Drying..... 7 g
 Moisture Loss %..... 7.0 %

Reserve Sample Mass (as)..... 5000 g
 Process Sample Mass (as rec.)..... 3000 g
 Process Sample Mass (Est. Dried)..... 2790 g 100%
 -12 mm +0.5 mm Mass (Dry)..... 418 g 15%
^{Overflow}
~~Underflow~~ Sediment (if any)..... 196 g 7%
 Blunge #1 Cyclone Underflow Mass..... 1055 g 37.0%
 Total -0.5 mm +0.01 mm Mass (Dry)..... 1251 g
 Blunge #1 Cyclone ^{overflow} Overflow Mass..... 1008 g 36.1%
 Reclaimed Process Sample Mass (Dry)..... 2677 g
 Process sample Losses (Dry)..... 113 g 4.05%

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

Floating Ocher

HZ 2 1-4
 HZ 1 1&2, 4&5
 HA 4 1&2, 4-6
 HB 2 1-3
 HD 1 2-4
 HE 3 3&5
 HC 1 1&2 & 4

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Main Creek Pigment Laboratory Report

Page # 1

Bore-core #(a) .. HB2/1-9 / HB3/1-3

Laboratory # SR81

Date Started 3 / 10 / 91

Date Finished 1 / 191

(repeats SR 79)

Geologists Description :-

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*
*

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
/	SEE SR 79 g	g	
/	g	g	
/	g	g	
<u>Total Mass</u>	<u>g</u>	<u>g</u>	<u>%</u>

Moisture Sample Mass.....
 Moisture Sample Mass (Dried @ 105 C).
 Moisture Loss on Drying.....
 Moisture Loss %.....

50 g
 47 g
 3 g
 6 %

Reserve Sample Mass(es) .. NIL g.
 Process Sample Mass (as rec.)..... 3221 g
 Process Sample Mass (Est. Dried)..... 3028 g

-12 mm +0.5 mm Mass (Dry)..... g.. 363 g

Pump Tank Sediment (if any)..... 276 g
 Blunge #1 Cyclone Underflow Mass..... 903 g
 Total -0.5 mm +0.01 mm Mass (Dry)... g.. 1179 g

Blunge #1 Cyclone Overflow Mass..... g.. 1175 g
 Reclaimed Process Sample Mass (Dry)..... g 2717 g
 Process Sample Losses (Dry)..... 311 g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Bore-core # (a) .. HO 4/2-9 /

Laboratory # SR 82

Date Started 3 / 10 / 91

Date Finished 1 / 191

(repeat SR 75)

Geologists Description :-

*
*
*
*

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
HO 4/2-9	3204 g	N/A g	
/	g	g	
/	g	g	
Total Mass	g	g	%

Moisture Sample Mass.....	50	g
Moisture Sample Mass (Dried @ 105 C).....	41	g
Moisture Loss on Drying.....	9	g
Moisture Loss %.....	18	%

Reserve Sample Mass(es) .. N/A g.	g.	g
Process Sample Mass (as rec.).....	3204	g
Process Sample Mass (Est. Dried).....		2627 g
-12 mm +0.5 mm Mass (Dry).....	g..	917 g
Pump Tank Sediment (if any).....	159	g
Blunge #1 Cyclone Underflow Mass.....	805	g
Total -0.5 mm +0.01 mm Mass (Dry)...	g..	g

Blunge #1 Cyclone Overflow Mass.....	g..	598 g
Reclaimed Process Sample Mass (Dry).....	g	247
Process Sample Losses (Dry).....		149

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

141043

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Page # 1

Bore-core #(s) .. SEE SR 73
 Laboratory # SR 83

Date Started 4 / 10 / 90
 Date Finished 1 / 190 (Repeat SR 73)

Geologists Description :-

*
 *
 *
 *

<u>Bore-core #</u>	<u>As Rec. Mass</u>	<u>+ 12 mm Oversize Mass</u>	<u>%</u>
/	4128 g	N/A g	
/	g	g	
/	g	g	
<u>Total Mass</u>	g	g	%

Moisture Sample Mass..... 50 g
 Moisture Sample Mass (Dried @ 105 C)..... 48 g
 Moisture Loss on Drying..... 2 g
 Moisture Loss %..... 4 %

Reserve Sample Mass(es) .. N/A g, g, g
 Process Sample Mass (as rec.)..... 4128 g
 Process Sample Mass (Est. Dried)..... 3963 g

-12 mm +0.5 mm Mass (Dry)..... g.. 789 g

Pump Tank Sediment (if any)..... 340 g
 Blunge #1 Cyclone Underflow Mass.... 1438 g
 Total -0.5 mm +0.01 mm Mass (Dry).... g.. g

Blunge #1 Cyclone Overflow Mass..... g.. 1220 g
 Reclaimed Process Sample Mass (Dry)..... g 3787 g
 Process Sample Losses (Dry)..... 176 g

Colour of B #1 Product - Munsell
 - L, a, b.

Colour Comment

Hue :- HA4/2-6
 Greyness :- HA5/1-6²
 Chroma :- & no HA5/4

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LTD.
Main Creek Plant Laboratory Report

Page # 1

Bore-core #(s).. UMBER / / /
 Laboratory # SR89

Date Started / / 198
 Date Finished / / 198
 Geologists Description :-
 *
 *
 *
 *

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass
<u>UMBER</u>	<u>7125</u> g	<u>N/A</u> g
/	g	g
/	g	g
<u>Total Mass</u>	<u> </u> g	<u> </u> g

Moisture Sample Mass..... 50 g
 Moisture Sample Mass (Dried @ 105 C)..... 45 g
 Moisture Loss on Drying..... 5 g
 Moisture Loss %..... 10 %

Reserve Sample Mass(es)..... Nil g
 Process Sample Mass (as rec.)..... 7125 g
 Process Sample Mass (Est. Dried)..... 6400 g

-12 mm +0.5 mm Mass (Dry)..... 849 g

Pump Tank Sediment (if any)..... 494 g (After 2nd Blunge)
 Blunge #1 Cyclone Underflow Mass..... 661 g (After 2nd Blunge)
 Total -0.5 mm +0.01 mm Mass (Dry)..... 2105 g

Blunge #1 Cyclone Overflow Mass..... 540 g
 Reclaimed Process Sample Mass (Dry)..... 4649 g
 Process Sample Losses (Dry)..... 1763 g

Colour of B #1 Product - Munsell

L, a, b.

Colour Comment

Hue :-	Sondage	10459
Greyness :-	BTS61	1017
Chroma :-	2	1122
Attractiveness :-	3	751
	4	1022
	5	1075
<u>Other Comment :-</u>	6	1143

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Bore-core #(s) .. / / /

Laboratory # **5R 86**

Date Started / / 98

Date Finished / / 98

Geologists Description :-

*
* **BOWEN UMBER (MAW STOCKPILE)**
*
*

<u>Bore-core #</u>	<u>As Rec. Mass</u>	<u>+ 12 mm Oversize Mass</u>	<u>%</u>
/	g	g	
/	g	g	
/	g	g	
Total Mass	g	g	%

Moisture Sample Mass..... 50 g
 Moisture Sample Mass (Dried @ 105 C). 23 g
 Moisture Loss on Drying..... 27 g
 Moisture Loss %..... 54 %

Reserve Sample Mass(es) .. — g, g
 Process Sample Mass (as rec.)..... 5000 g
 Process Sample Mass (Est. Dried)..... 2300 g
 -12 mm +0.5 mm Mass (Dry)..... g.. 195 g

Pump Tank Sediment (if any)..... 678 g
 Blunge #1 Cyclone Underflow Mass.... 582 g
 Total -0.5 mm +0.01 mm Mass (Dry)... g.. 1260g

Blunge #1 Cyclone Overflow Mass..... g.. 700 g
 Reclaimed Process Sample Mass (Dry)..... 2155 g
 Process Sample Losses (Dry)..... ~~1420~~ 380 g
 145

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Bore-core #(s) .. / / / / /
Laboratory # SR 87

Date Started / / 198

Date Finished / / 198

Geologists Description :-

*
* BOWRY UMBER (MAIN STOCK PILE)
*
*

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
/	g	g	
/	g	g	
/	g	g	
<u>Total Mass</u>	g	g	%

Moisture Sample Mass.....	50	g
Moisture Sample Mass (Dried @ 105 C).....	24	g
Moisture Loss on Drying.....	26	g
Moisture Loss %.....	52	%

Reserve Sample Mass(es) ..	g	g
Process Sample Mass (as rec.).....	5000	g
Process Sample Mass (Est. Dried).....		2400 g

-12 mm +0.5 mm Mass (Dry)..... g.. 141 g

Pump Tank Sediment (if any).....	650	g
Blunge #1 Cyclone Underflow Mass....	422	g
Total -0.5 mm +0.01 mm Mass (Dry)...	g.. 1072	g

Blunge #1 Cyclone Overflow Mass.....	g.. 525	g
Reclaimed Process Sample Mass (Dry).....	1738	g
Process Sample Losses (Dry).....	1597 803	g
	662	

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Grayness :-

Chroma :-

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Bore-core #(s) .. / / / /
Laboratory # SR 88

Date Started / / 90
Date Finished / / 90
Geologists Description :-

*
* BAWRY UMBER (Main Stockpile)
*
*

<u>Bore-core #</u>	<u>As Rec. Mass</u>	<u>+ 12 mm Oversize Mass</u>	<u>%</u>
/	g	g	
/	g	g	
/	g	g	
<u>Total Mass</u>	g	g	%
Moisture Sample Mass.....		50 g	
Moisture Sample Mass (Dried @ 105 C).....		24 g	
Moisture Loss on Drying.....		26 g	
Moisture Loss %.....		52 %	
Reserve Sample Mass(es) .. — g,		g,	
Process Sample Mass (as rec.).....		5000 g	
Process Sample Mass (Est. Dried).....		2400 g	
-12 mm +0.5 mm Mass (Dry).....		g.. 165 g	
Pump Tank Sediment (if any).....		720 g	
Blunge #1 Cyclone Underflow Mass....		681 g	
Total -0.5 mm +0.01 mm Mass (Dry)...		g.. 14 01 g	
Blunge #1 Cyclone Overflow Mass.....		g.. 597 g	
Reclaimed Process Sample Mass (Dry).....		2163 g	1998 g
Process Sample Losses (Dry).....			402 g
			237
Colour of B #1 Product - Munsell			
			- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Bore-core #(s) .. 1 /

Laboratory # SR89

Date Started / / 90
Date Finished / / 90

Geologists Description :-

- * composite
- * HB 2/1-4
- * HB 3/1 & 2

repeat SR 74

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
/	g	g	
/	g	g	
/	g	g	
<u>Total Mass</u>	g	g	

Moisture Sample Mass.....	50	g	
Moisture Sample Mass (Dried @ 105 C).....	49	g	
Moisture Loss on Drying.....	1	g	
Moisture Loss %.....	2	%	
Reserve Sample Mass(es) ..	g,	g,	g
Process Sample Mass (as rec.).....	5050	g	
Process Sample Mass (Est. Dried).....			4949 g
-12 mm +0.5 mm Mass (Dry).....	g..	605	g
Pump Tank Sediment (if any).....	419	g	
Blunge #1 Cyclone Underflow Mass.....	1148	g	
Total -0.5 mm +0.01 mm Mass (Dry)...	g..	1567	g
Blunge #1 Cyclone Overflow Mass.....	g..	2009	g
Reclaimed Process Sample Mass (Dry).....	g	4181	g
Process Sample Losses (Dry).....		768	g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Bore-core #(s) .. / / /
 Laboratory # SR 90

Date Started / / 90
 Date Finished / / 90

Geologists Description :-

* Composite
 * HD 4/2-4
 *

14eat SL 75

<u>Bore-core #</u>	<u>As Rec. Mass</u>	<u>+ 12 mm Oversize Mass</u>	<u>%</u>
/	g	g	
/	g	g	
/	g	g	
<u>Total Mass</u>	g	g	%
Moisture Sample Mass		100 g	
Moisture Sample Mass (Dried @ 105 C)		93 g	
Moisture Loss on Drying		7 g	
Moisture Loss %		7 %	
Reserve Sample Mass(es) .. g		5000 g	
Process Sample Mass (as rec.)		4650 g	
Process Sample Mass (Est. Dried)			
-12 mm +0.5 mm Mass (Dry)		1710 g	
Pump Tank Sediment (if any)	107 g		
Blunge #1 Cyclone Underflow Mass	1300 g		
Total -0.5 mm +0.01 mm Mass (Dry)	1407 g	1487 g	
Blunge #1 Cyclone Overflow Mass	1089 g		
Reclaimed Process Sample Mass (Dry)		4294 g	
Process Sample Losses (Dry)			356 g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyness :-

Chroma :-

Attractiveness :-

Other Comment :-

SAVAGE RESOURCES LTD.
Main Creek Pigment Laboratory Report

Bore-core #(s) .. / /

Laboratory # SL91

Date Started / / 90
Date Finished / / 90

Geologists Description :-

* ^{Composite}
* HA 4/2-5, HA 5/1-b except HAS/4
*
*

repeat SL73/83

Bore-core #	As Rec. Mass	+ 12 mm Oversize Mass	%
/	g	g	
/	g	g	
/	g	g	
<u>Total Mass</u>	g	g	%

Moisture Sample Mass..... 50 g
 Moisture Sample Mass (Dried @ 105 C)..... 48 g
 Moisture Loss on Drying..... 2 g
 Moisture Loss %..... 4 %

Reserve Sample Mass(es)..... g
 Process Sample Mass (as rec.)..... 5050 g
 Process Sample Mass (Est. Dried)..... 4848 g

-12 mm +0.5 mm Mass (Dry)..... g

Pump Tank Sediment (if any)..... g 450 g
 Blunge #1 Cyclone Underflow Mass.... g 2014 g
 Total -0.5 mm +0.01 mm Mass (Dry)... g 2464 g

Blunge #1 Cyclone Overflow Mass..... g 1447 g
 Reclaimed Process Sample Mass (Dry)..... 4553 g
 Process Sample Losses (Dry)..... 295 g

Colour of B #1 Product - Munsell

- L, a, b.

Colour Comment

Hue :-

Greyneess :-

Chroma :-

Attractiveness :-

Other Comment :-

141052

SAVAGE RESOURCES LIMITED

Date Started: 5 May 1992

Laboratory #: SR 92

Bore Core(s) #: HA4/2 & 3, HA5/1-3, 5 & 6 (rpt of SR 73)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6300 g
 Process Sample Mass Estimated Dry 6040 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7392 mL B Ch. $\frac{A}{A+B} * 100 = 45$

1150 wet.
 -12mm +0.5mm (Est. Dried) (900)g C (Err on light side)

wet: dry
 1 : 0.70 (Dried) 898 g **** 14.9%

Process Sample -0.5mm (Est. Mass) = A - C .. 5148 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 51810 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 2446 g **** 40.4%

Cyclone Overflow-sediment (Dry) 573.7 g ****

% losses @ 12% 725.8 g

10.55 - 12.55 - Decant. = 1.405 kg.

141053

SAVAGE RESOURCES LIMITED

Date Started: 5 May 1992

Laboratory #: SR SR 93
(rpt of 73)

Bore Core(s) #: HA 1/342 HA 5/1-3, 546

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	48	g
Moisture Loss on Drying	2	g
Moisture Loss	4	%

Process Sample Mass (as rec.)	6300	g
Process Sample Mass Estimated Dry	6048	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7.392 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet-1280

-12mm +0.5mm (Est. Dried)	(1080) g	C	(Err on light side)
(1:0.76) (Dried)	976	g	****

Process Sample -0.5mm (Est. Mass) = A - C .. ~~2332~~ ⁹⁹⁶⁸ g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 53190 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry)

2574	g	****
------	---	------

Cyclone Overflow-sediment (Dry)

522.5	g	****
-------	---	------

% loss @ 12% 725.0

= 1249.7 g

141054

SAVAGE RESOURCES LIMITED

Date Started: 5 MAY 1992

Laboratory #: SR 94

Bore Core(s) #: 144 A/283 HA 5/1-3, 546

1 pt SR 73

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6300 g
 Process Sample Mass Estimated Dry 6179 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7544 mL B Ch. A * 100 = 45
 A+B

1297 wet
 -12mm +0.5mm (Est. Dried) (1090) g C (Err on light side)
 (1: 0.73) (Dried) 948 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5089 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 50922 mL B Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 2245.6 g ****

Cyclone Overflow-sediment (Dry) 378.4 g ****

% loss @ 127 740.9

= 1861.1

141055

SAVAGE RESOURCES LIMITED

Date Started: *SMAY 1992*

Laboratory #: *SR 95*

Bore Core(s) #: *H 4 4/243 H 4 5/1-3, 546*

pk SR 73

Moisture Sample Mass *50* g
 Moisture Sample Mass (Dried @ 105 C) *49* g
 Moisture Loss on Drying *1* g
 Moisture Loss *2* %

Process Sample mass (as rec.) *6300* g
 Process Sample Mass Estimated Dry *6179* g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) *7.544* mL B Ch. A * 100 = 45
 A+B

Wet 1514

-12mm +0.5mm (Est. Dried) (*1200*) g C (Err on light side)
 (*1.075*) (Dried) *1105* g ~~****~~

Process Sample -0.5mm (Est. Mass) = A - C .. *4979* g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. *49657* mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) *2156.2* g ~~****~~

Cyclone Overflow-sediment (Dry) *657.6* g ~~****~~

7.1% @ 12.7 *740.9* g

= *1514.3*

141056

SAVAGE RESOURCES LIMITED

Date Started: 5 MAY 1992.

Laboratory #: SR 96

Bore Core(s) #: HA 9/5-11 HA 5/7-17 (New material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7.185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

(947 net)
 -12mm +0.5mm (Est. Dried) (700)g C (Err on light side)
 (1: 0.74) (Dried) 705 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 5180 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 52385 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1525.0 g ~~xxxx~~

Cyclone Overflow sediment (Dry) 443.3 g ~~xxxx~~

$\frac{1}{2}$ loss @ 2% 705.6

= 2500.3

141057

SAVAGE RESOURCES LIMITED

Date Started: 6 MAY 1992

Laboratory #: SR 97

Bore Core(s) #: HA 4/5-11 HA 5/7-17 (New material)

Moisture Sample Mass	50	B
Moisture Sample Mass (Dried @ 105 C)	49	B
Moisture Loss on Drying	1	B
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	B
Process Sample Mass Estimated Dry	5880	B A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

(Bio wet)
-12mm +0.5mm (Est. Dried) (600)g C (Err on light side)

(1: 0.14) (Dried) 596 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5200 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 53535 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1746.1 g ****

Cyclone Overflow-sediment (Dry) 499.6 g ****

% losses @ 12% 705.6

= 2332.7

SAVAGE RESOURCES LIMITED

Date Started: 6 MAY 1992

Laboratory #: ER 98

Bore Core(s) #: HA 4/11-5 HA 5/7-17 (New material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5760 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7.039 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet - 840

-12mm +0.5mm (Est. Dried) (540) g C (Err on light side)
 (1.071) (Dried) 649 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5120 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 51841 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1805.9 g ****

Cyclone Overflow-sediment (Dry) 425 g ****

losses @ 12% 691.2

= 2108.9

141059

SAVAGE RESOURCES LIMITED

Date Started: 6 MAY 1992

Laboratory #: SR 99

Bore Core(s) #: HA 5/7-17 HA 4/5-11 (New material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5760 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7039 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 948
 -12mm +0.5mm (Est. Dried) (750) g C (Err on light side)
 (1: 0.74) (Dried) 699 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5010 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 50570 mL R Ch. $\frac{D}{(B+D)+B} * 100 = 8$

Cyclone Underflow Mass (Dry) 1631.9 g ****

Cyclone Overflow sediment (Dry) 481.7 g ****

6 bags @ 121.691.2

= 2256.2

141060

SAVAGE RESOURCES LIMITED

Date Started: 6 MAY 1992.

Laboratory #: SR 100

Bore Core(s) #: HA 4/5-11 HA 5/7-17 (New material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	48	g
Moisture Loss on Drying	2	g
Moisture Loss	4	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5760	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7039 mL B Ch. $\frac{A}{A+B} * 100 = 45$

(Wet 729)

-12mm +0.5mm (Est. Dried) (500) g C (Err on light side)

(i. 0.74) (Dried) 541 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5260 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 53451 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 2138.2 g ****

Cyclone Overflow-sediment (Dry) 467.4 g ****

141061

SAVAGE RESOURCES LIMITED

Date Started: 6 - MAY 1992

Laboratory #: SR 101

Bore Core(s) #: HA 4/5-11 HA 5/7-17 (New material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	5500	g
Process Sample Mass Estimated Dry	5280	g A

KLINGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 6452 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 939

-12mm +0.5mm (Est. Dried)	(730)	g C (Err on light side)
(1:072) (Dried)	674	g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4550 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 45873 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1467.0 g ****

Cyclone Overflow-sediment (Dry) 421.5 g ****

141062

SAVAGE RESOURCES LIMITED

Date Started: 6 MAY 1992

Laboratory #: SR SR 102

Bore Core(s) #: HB 2/1,2,4,3 HB3/1,2

vpk SR 74

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5760 g A

BLANGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7039 mL B Ch. $\frac{A}{A+B} * 100 = 45$

(883 wet)

-12mm +0.5mm (Est. Dried) (600)g C (Err on light side)
 (1:0.76) (Dried) 674 g ****

Process Sample -0.5mm (Est. Mass) = $A - C$.. 5160 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 52301 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1191.0 g ****

Cyclone Overflow-sediment (Dry) 479.5 g ****

141063

SAVAGE RESOURCES LIMITED

Date Started: 6 MAY 1992

Laboratory #: SR 103

Bore Core(s) #: HB 1/143 HB2/1-8 HB 3/142, 1-6. 1pk SR74

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6200	g
Process Sample Mass Estimated Dry	6076	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7425 mL B Ch. $\frac{A}{A+B} * 100 = 45$

(1242g wet)
 -12mm +0.5mm (Est. Dried) (1030) g C (Err on light side)
 (1:0.10) (Dried) 872 g ****

Process Sample -0.5mm (Est. Mass) = A - C ..	5046	g D
--	------	-----

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 50604 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry)	1105.1	g ****
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Cyclone Overflow-sediment (Dry)	49.7	g ****
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101004

SAVAGE RESOURCES LIMITED

Date Started: 6 May 1992.

Laboratory #: SR 104

Bore Core(s) #: HB 1/143 HB 2/1-8 HB 3/142, 4-6. (New Material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6200 g
 Process Sample Mass Estimated Dry 6076 g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7425 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1175
 -12mm +0.5mm (Est. Dried) (800) g C (Err on light side)
 (1:0.74) (Dried) 865 g ***

Process Sample -0.5mm (Est. Mass) = A - C .. 5276 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 53249 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1449.2 g ****

Cyclone Overflow-sediment (Dry) 79.2 g ****

141065

SAVAGE RESOURCES LIMITED

Date Started: 6 MAY 1992

Laboratory #: SR 105

Bore Core(s) #: HB 1/143 HB 2/1-8 HB 3/142, 4-6 (New material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6200	g
Process Sample Mass Estimated Dry	6076	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7425 mL B Ch. $A * 100 = 45$
A+B

(1362g wet)
-12mm +0.5mm (Est. Dried) (1000) g C (Err on light side)
(1.070) (Dried) 948 g ~~****~~

Process Sample -0.5mm (Est. Mass) = A - C .. 5076 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 50949 mL E Ch. $D * 100 = 8$
(B+D+E)

Cyclone Underflow Mass (Dry) 1490.8 g ~~****~~Cyclone Overflow sediment (Dry) 219.3 g ~~****~~

141066

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992.

Laboratory #: SR 106

Bore Core(s) #: HB1/1#3 HB2/1-8 HB3/1#2, 4-6 (New material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6200 g
 Process Sample Mass Estimated Dry 5952 g A

BLUNGR Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7273 mL B Ch. $\frac{A}{A+B} * 100 = 45$

wet 1348
~~-12mm~~ +0.5mm (Est. Dried) (900) g C (Err on light side)
 (1:0.70) (Dried) 1056 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5052 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 50825 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1424.2 g ****

Cyclone Overflow-sediment (Dry) 467.9 g ****

141067

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992

Laboratory #: SR 107

Bore Core(s) #: HB1/1-3 HB2/1-8 HB3/1-2, 4-6. (New material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6500 g
 Process Sample Mass Estimated Dry 6370 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7784 mL B Ch. A * 100 = 45
 A+B

1326
 -12mm +0.5mm (Est. Dried) (1000)g C (Err on light side)
 (1: 0.76) (Dried) 1013 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C ... 5370 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 53971 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 14803 g ****

Cyclone Overflow-sediment (Dry) 311.9 g ****

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992

Laboratory #: SR 108

Bore Core(s) #: HB 1/143 HB 2/1-8 HB 3/142, 4-6 (New material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6500 g
 Process Sample Mass Estimated Dry 6370 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7784 mL B Ch. $\frac{A}{A+B} * 100 = 45$

(wet 1245)
 -12mm +0.5mm (Est. Dried) (1000) g C (Err on light side)

(i: 0.6c) (Dried) 997 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5370 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 53971 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1664.8 g ****

Cyclone Overflow-sediment (Dry) 497.9 g ****

SAVAGE RESOURCES LIMITED

141069

Date Started: 7 MAY 1992

Laboratory #: SR SR 909

Bore Core(s) #: HD 4/2-4

1pk SR 75

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	7000	g
Process Sample Mass Estimated Dry	6860	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 8383 mL B Ch. $\frac{A}{A+B} * 100 = 45$

NCT 4463
 -12mm +0.5mm (Est. Dried) (3900) g C (Err on light side)
 (0.72) (Dried) 3190 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 2960 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 25657 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1395.4 g ****

Cyclone Overflow-sediment (Dry) 383.3 g ****

141070

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992

Laboratory #: SR 10

Bore Core(s) #: HD 4/2-4 pk SR 75

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 20 %

Process Sample mass (as rec.) 6500 g
 Process Sample Mass Estimated Dry 6370 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7784 mL B Ch. A * 100 = 45
 A+B

(Wt 350)
 -12mm +0.5mm (Est. Dried) (2000)g C (Err on light side)
 (0.10) (Dried) 2795 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 4370 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 4247 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1434.6 g ~~xxxx~~

Cyclone Overflow sediment (Dry) 295.7 g ~~xxxx~~

SAVAGE RESOURCES LIMITED

141071

Date Started: 7 MAY 1992

Laboratory #: SR 111

Bore Core(s) #: HD 4/5-9 (New Material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	44	g
Moisture Loss on Drying	6	g
Moisture Loss	12	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5280	g A

BLJNGK Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 6452 mL B Ch. A * 100 = 45
A+B

Net 1980
-12mm +0.5mm (Est. Dried) (1600) g C (Err on light side)
(0.63) (Dried) 1238 g ****

Process Sample -0.5mm (Est. Mass) = A - C ..	3680	g D
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CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 35868 mL B Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry)	<u>1174.4</u>	g ****
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Cyclone Overflow-sediment (Dry)	<u>253.7</u>	g ****
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141072

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992

Laboratory #: SR 112

Bore Core(s) #: HD 4/5-9

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 45 g
 Moisture Loss on Drying 5 g
 Moisture Loss 10 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5400 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 6599 mL B Ch. A * 100 = 45
 A+B

(161) Wet
 -12mm +0.5mm (Est. Dried) (1000)g C (Err on light side)
 (0.7) (Dried) 1150 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 4400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 4400 mL B Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1553.4 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 249.0 g ~~xxxx~~

141073

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992.

Laboratory #: SR 113

Bore Core(s) #: HD 4/5-9 (New material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	44	g
Moisture Loss on Drying	6	g
Moisture Loss	12	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5370	g A

HLJINGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 6562 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1962

-12mm +0.5mm (Est. Dried)	(1600)	g C (Err on light side)
(0.46) (Dried)	1287	g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3770 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 36793 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1202.0 g ****

Cyclone Overflow-sediment (Dry) 246.1 g ****

141074

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992.

Laboratory #: SR 114

Bore Core(s) #: HD 4/5-9 (New Material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 46 g
 Moisture Loss on Drying 4 g
 Moisture Loss 8 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5520 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 6745 mL B Ch. $\frac{A}{A+B} * 100 = 45$

(1880 wet)
 -12mm +0.5mm (Est. Dried) (1000) g C (Err on light side)

(1.69)
 (Dried) 1290 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4520 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 45235 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1288.7 g ****

Cyclone Overflow-sediment (Dry) 211.6 g ****

SAVAGE RESOURCES LIMITED

141075

Date Started: 7 MAY 1992

Laboratory #: SR 115

Bore Core(s) #: HD 4/5-9 (New material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 46 g
 Moisture Loss on Drying 4 g
 Moisture Loss 8 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5520 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 6745 mL B Ch. $A * 100 = 45$
 A+B

(17.1 wet)
 -12mm +0.5mm (Est. Dried) (1200)g C (Err on light side)

(0.76) (Dried) 1297 ~~1297~~ g ****

Process Sample -0.5mm (Est. Mass) = A - C ... 4320 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) ... 4235 mL E Ch. $D * 100 = 8$
 (B+D+E)

Cyclone Underflow Mass (Dry) 1293.2 g ****

Cyclone Overflow-sediment (Dry) 249.9 g ****

141076

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992.

Laboratory #: SR 116

[Handwritten signature]

Bore Core(s) #: HD4/5-9 (New Material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 46 g
 Moisture Loss on Drying 4 g
 Moisture Loss 8 %

Process Sample mass (as rec.) 4000 g
 Process Sample Mass Estimated Dry 3680 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 4497 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1690g
 -12mm +0.5mm (Est. Dried) (1300) g C (Err on light side)
 (0.70) (Dried) 1174 ~~1300~~ g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 2380 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 22873 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1146.2 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 274.8 g ~~xxxx~~

141077

SAVAGE RESOURCES LIMITED

Date Started: 7 MAY 1992

Laboratory #: BR 117

Bore Core(s) #: HA 4/5, 7-11 HA 5/7-17

rip of SR73
SR92-101

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5880 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

⁸⁷⁸
 -12mm +0.5mm (Est. Dried) (500) g C (Err on light side)
 (0.13) (Dried) 644 g ~~total~~

Process Sample -0.5mm (Est. Mass) = A - C .. 5380 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 5468.5 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone UnderFlow Mass (Dry) 1546.5 g ~~total~~

Cyclone Overflow-sediment (Dry) 498.7 g ~~total~~

141078

SAVAGE RESOURCES LIMITED

Date Started: 8 MAY 1992.

Laboratory #: SR # 118

Bore Core(s) #: HA 4/5, 7-11 HAS/7-17

rpt of SR 73
92-101

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

974		
-12mm +0.5mm (Est. Dried)	(600)	g C (Err on light side)
(0.15) (Dried)	730	g ****

Process Sample -0.5mm (Est. Mass) = A - C ..	5280	g D
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CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 53535 mL B Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry)	1664.0	g ****
Cyclone Overflow-sediment (Dry)	531.1	g ****

141079

SAVAGE RESOURCES LIMITED

Date Started: 8 MAY 1992.

Laboratory #: SR 119

Bore Core(s) #: HA 1/1-5

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

-12mm +0.5mm (Est. Dried)	1216	(900) g	C	(Err on light side)
(0.75) (Dried)		881	g	total

Process Sample -0.5mm (Est. Mass) = A - C .. 4988 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 50085 mL B Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry)

	1915.8	g	total
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Cyclone Overflow-sediment (Dry)	511.4	g	total
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141080

SAVAGE RESOURCES LIMITED

Date Started: 8 MAY 1992

Laboratory #: SR 120

Bore Core(s) #: HA 111-5 (New material)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5880 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7185 mL B Ch. A * 100 = 45
 A+B

Wet 1120
 -12mm +0.5mm (Est. Dried) (900)g C (Err on light side)
 (0.7) (Dried) 797 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4980 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 50085 mL B Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1959.6 g ****Cyclone Overflow-sediment (Dry) 408.6 g ****

141081

SAVAGE RESOURCES LIMITED

Date Started: ~~8~~ 9 MAY 1992

Laboratory #: SR 121

Bore Core(s) #: H 0 4/10 (New material SR 75)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 45 g
 Moisture Loss on Drying 5 g
 Moisture Loss 10 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5400 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 6599 mL B Ch. A * 100 = 45
 A+B

Wet 1580
 -12mm +0.5mm (Est. Dried) (1000) g C (Err on light side)
 (0.73) (Dried) 1158 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 4400 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1106.7 g ****Cyclone Overflow sediment (Dry) 207.2 g ****

141082

SAVAGE RESOURCES LIMITED

Date Started: 9 MAY 1992

Laboratory #: SR 122

Pore Core(s) #: HD 4/11 (New material SETS)

Moisture Sample Mass 50 g

Moisture Sample Mass (Dried @ 105 C) 44 g

Moisture Loss on Drying 6 g

Moisture Loss 12 %

Process Sample mass (as rec.) 6000 g

Process Sample Mass Estimated Dry 5280 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 6452 mL B Ch. $\frac{A}{A+B} * 100 = 45$

wet 1236

-12mm +0.5mm (Est. Dried) (900) g C (Err on light side)

(0.76) (Dried) 943 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4380 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 43918 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1443.3 g ****

Cyclone Overflow-sediment (Dry) 250.3 g ****

SAVAGE RESOURCES LIMITED

141083

Date Started: 9 MAY 1992

Laboratory #: SR 123

Bore Core(s) #: HD4/10, 12 & 13 (New material) Q75

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 46 g
 Moisture Loss on Drying 4 g
 Moisture Loss 8 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5520 g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 6745 mL B Ch. A * 100 = 45
 A+B

Net 1580

-12mm +0.5mm (Est. Dried) (1000) g C (Err on light side)
 (0.76) (Dried) ~~1000~~¹²⁰⁵ g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 4520 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 45235 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1368.8 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 260.9 g ~~xxxx~~

141084

SAVAGE RESOURCES LIMITED

Date Started: 9 MAY 1992

Laboratory #: SR 124

Bore Core(s) #: HD 4/14

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	47	g
Moisture Loss on Drying	3	g
Moisture Loss	6	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5640	g A

BLJNGK Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222).....	6892	mL B	Ch. <u>A</u> * 100 = 45
			A+B

^{2080g wet.} -12mm +0.5mm (Est. Dried)	(1500)	g C	(Err on light side)
(b.11) (Dried)	1591	g ****	

Process Sample -0.5mm (Est. Mass) = A - C ..	4140	g D
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CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) ..	40718	mL E	Ch. <u>D</u> * 100 = 8
			(B+D+E)

Cyclone Underflow Mass (Dry)	1352.9	g ****
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Cyclone Overflow-sediment (Dry)	??	g ****
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141085

SAVAGE RESOURCES LIMITED

Date Started: 9 MAY 1992

Laboratory #: SR 125

Bore Core(s) #: HD 4/ 13-16 (New material SRTS)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5760 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7039 mL B Ch. A * 100 = 45
 A+B

Wet 2008
 -12mm +0.5mm (Est. Dried) (1400) g C (Err on light side)
 (0.76) (Dried) ~~1528~~ g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4360 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 43101 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1532.0 g ****

Cyclone Overflow-sediment (Dry) 348.1 g ****

141086

SAVAGE RESOURCES LIMITED

Date Started: 9 MAY 1992.

Laboratory #: SR 126

Bore Core(s) #: HD 4/16-17 (New material SR75)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	48	g
Moisture Loss on Drying	2	g
Moisture Loss	4	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5760	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7039 mL B Ch. A * 100 = 45
A+B

1973g Wet
-12mm +0.5mm (Est. Dried) (1400) g C (Err on light side)
(0.7%) (Dried) 1482 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4360 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 43101 mL E Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry) 1666.0 g ****

Cyclone Overflow-sediment (Dry) 691.0 g ****

141087

SAVAGE RESOURCES LIMITED

Date Started: 9 MAY 1992.

Laboratory #: SR 127

Bore Core(s) #: HD 4/16-19 (New material sets)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5886	g A

ELIJNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1992g
 -12mm +0.5mm (Est. Dried) (1200) g C (Err on light side)
 (0.79) (Dried) 1570 g ~~****~~

Process Sample -0.5mm (Est. Mass) = A - C ..	4680	g D
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CYCLONR Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 46635 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry)	1466.5	g ****
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Cyclone Overflow-sediment (Dry)	371.1	g ****
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SAVAGE RESOURCES LIMITED

Date Started: 9 MAY 1992.

Laboratory #: SR 128

Bore Core(s) #: HD 9/19 & 20 (New material SETS)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5880 g A

BLDNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7185 mL B Ch. A * 100 = 45
 A+B

Wet 1910
 -12mm +0.5mm (Est. Dried) (1300) g C (Err on light side)
 (0.71) (Dried) 1356 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4580 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 45485 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1803.0 g ****

Cyclone Overflow-sediment (Dry) 345.4 g ****

141089

SAVAGE RESOURCES LIMITED

Date Started: 10th May 1992.

Laboratory #: SR 129

Bore Core(s) #: UMBER.

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	27	g
Moisture Loss on Drying	23	g
Moisture Loss	46	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	3200	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 3959 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 958
 -12mm +0.5mm (Est. Dried) (600) g C (Err on light side)
 (Dried) 480 g ****

Process Sample -0.5mm (Est. Mass) = $A - C$.. 2600 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 25941 mL R Ch. $\frac{D}{(B+D+R)} * 100 = 8$

Cyclone Underflow Mass (Dry)	308.0	g ****
Cyclone Overflow-sediment (Dry)	435.3	g ****

141090

SAVAGE RESOURCES LIMITED

Date Started: 10th May 1992.

Laboratory #: SR 130

Bore Core(s) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	25	g
Moisture Loss on Drying	25	g
Moisture Loss	50	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	3000	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 3666 ml B Ch. $\frac{A}{A+B} * 100 = 45$

1401g Wet
 -12mm +0.5mm (Est. Dried) (800) g C (Err on light side)
 (Dried) 744 ~~2163~~ g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = $A - C$.. 2208 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 21634 ml. E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 419.3 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 424.9 g ~~xxxx~~

141091

SAVAGE RESOURCES LIMITED

Date Started: 10th May 1992

Laboratory #: SR 131

Bore Core(s) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	34	g
Moisture Loss on Drying	16	g
Moisture Loss	32	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	4080	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222).....	4986	mL B	Ch. $\frac{A}{A+B} * 100 = 45$
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Wet 1424 -12mm +0.5mm (Est. Dried)	(800)	g C	(Err on light side)
(Dried)	558	g ****	

Process Sample -0.5mm (Est. Mass) = A - C .. 3280 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) ..	32734	mL E	Ch. $\frac{D}{B+D+E} * 100 = 8$
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Cyclone Underflow Mass (Dry) 647.4 g ****

Cyclone Overflow-sediment (Dry) 173.1 g ****

SAVAGE RESOURCES LIMITED

141092

Date Started: 10th May 1992

Laboratory #: SR 132

Bore Core(s) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	27	g
Moisture Loss on Drying	23	g
Moisture Loss	46	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	3200	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 3959 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1409
 -12mm +0.5mm (Est. Dried) (900)g C (Err on light side)
 (Dried) 506 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 2300 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 2249/ mL B Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 749.4 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 306.2 g ~~xxxx~~

141093

SAVAGE RESOURCES LIMITED

Date Started: 10 MAY 1992

Laboratory #: SR 133

Bore Core(s) #:

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 23 g
 Moisture Loss on Drying 27 g
 Moisture Loss 54 %

Process Sample mass (as rec.) 10 000 g
 Process Sample Mass Estimated Dry 4600 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5621 mL B Ch. A * 100 = 45
 A+B

¹⁷⁴⁹
 -12mm +0.5mm (Est. Dried) (1200) g C (Err on light side)
 (Dried) 585 g ~~****~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 33479 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 725.5 g ~~****~~

Cyclone Overflow-sediment (Dry) 601.1 g ~~****~~

141004

SAVAGE RESOURCES LIMITED

Date Started: 10 MAY 1992

Laboratory #: SR 134

Bore Core(s) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	24	g
Moisture Loss on Drying	26	g
Moisture Loss	52	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4800	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)	5866	mL B	Ch. <u>A</u> * 100 = 45
			A+B

Wet 1636

-12mm +0.5mm (Est. Dried)	(1100)	g C	(Err on light side)
(Dried)	661	g ****	

Process Sample -0.5mm (Est. Mass) = A - C ..	3700	g D
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CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) ..	3668.4	mL E	Ch. <u>D</u> * 100 = 8
			(B+D+E)

Cyclone Underflow Mass (Dry)	1454.0	g ****
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Cyclone Overflow-sediment (Dry)	231.6	g ****
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141005

SAVAGE RESOURCES LIMITED

Date Started: 10 MAY

Laboratory #: SR 135

Bore Core(s) #: UMBER.

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	22	g
Moisture Loss on Drying	28	g
Moisture Loss	56	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4400	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 5377 mL B Ch. A * 100 = 45
A+B

1567
-12mm +0.5mm (Est. Dried) (1000) g C (Err on light side)
(Dried) 531 g ***

Process Sample -0.5mm (Est. Mass) = A - C .. 3400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 33723 mL B Ch. D * 100 = 8
(B+D+B)

Cyclone Underflow Mass (Dry)	1474.7	g ****
Cyclone Overflow-sediment (Dry)	365.2	g ****

141096

SAVAGE RESOURCES LIMITED

Date Started: 11 MAY 1992

Laboratory #: BR 136

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 22 g
 Moisture Loss on Drying 28 g
 Moisture Loss 56 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4400 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 5377 mL B Ch. A * 100 = 45
 A+B

Wet 1731
 -12mm +0.5mm (Est. Dried) (1200) g C (Err on light side)
 (Dried) 645 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3200 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 31423 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1673.2 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 292.5 g ~~xxxx~~

141097

SAVAGE RESOURCES LIMITED

Date Started: 19 MAY 1992

Laboratory #: SR 137

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 22 g
 Moisture Loss on Drying 28 g
 Moisture Loss 56 %

Process Sample mass (as rec.) 10 000 g
 Process Sample Mass Estimated Dry 4800 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 5866 mL B Ch. $\frac{A}{A+B} * 100 = 45$

^{Wet 1266}
 -12mm +0.5mm (Est. Dried) (800)g C (Err on light side)
 (Dried) 534 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4000 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 40134 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 900.3 g ****

Cyclone Overflow-sediment (Dry) 315.7 g ****

SAVAGE RESOURCES LIMITED

Date Started: 14 MAY 1992

Laboratory #: SR # 138

Bore Core(s) #: UMBER.

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5132 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1433
 -12mm +0.5mm (Est. Dried) (900) g C (Err on light side)
 (Dried) 496 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3300 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 32818 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1115.6 g ****

Cyclone Overflow-sediment (Dry) 136.0 g ****

SAVAGE RESOURCES LIMITED

Date Started: 11 MAY 1992

Laboratory #: SR 139

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 23 g
 Moisture Loss on Drying 27 g
 Moisture Loss 54 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4600 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5621 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Net 1750
 -12mm +0.5mm (Est. Dried) (1100) g C (Err on light side)
 (Dried) 764 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3500 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 34629 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1849.9 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 493.4 ~~1316.0~~ g ~~xxxx~~

141100

SAVAGE RESOURCES LIMITED

Date Started: 11 MAY 1992

Laboratory #: BR 140

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g

Moisture Sample Mass (Dried @ 105 C) 22 g

Moisture Loss on Drying 28 g

Moisture Loss 56 %

Process Sample mass (as rec.) 10000 g

Process Sample Mass Estimated Dry 4400 g A

BLURGE Process Sample Dry @ 40 % w/w

Water Addition = (A * 1.222) 5376 ml B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1535

-12mm +0.5mm (Est. Dried) (900)g C (est. on light side)

(Dried) 703 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3500 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 39874 ml E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1833.9 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 223.6 g ~~xxxx~~

141101

SAVAGE RESOURCES LIMITED

Date Started: 11 MAY 1992

Laboratory #: BR 141

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) ~~1000~~ g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5132 mL B Ch. $\frac{A}{A+B} * 100 = 45$

1485

-12mm +0.5mm (Est. Dried) (500) g C (Err on light side)
 (Dried) 461 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3400 g D

CYCLONE Process Sample - 6mm @ 8 % w/w

Water Addition ((D * 11.5) - B) .. 34000 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 941.9 g ****

Cyclone Overflow-sediment (Dry) 206.4 g ****

SAVAGE RESOURCES LIMITED

Date Started: 11 M 1992

Laboratory #: SR 142

More Core(s) #:

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 24 g
 Moisture Loss on Drying 26 g
 Moisture Loss 52 %

Process Sample mass (28 c.) 10000 g
 Process Sample Mass Estimated Dry 4800 g

BLUNGE Process Sample Dried @ 45 % w/w

Water Addition (A * 1.222) 5866 mL B Ch. $\frac{A}{A+B} * 100 = 45$

wet 1752

-12mm +0.5mm (Est. Dried) (1000) g C (Err on light side)
 (Dried) 666 g

Process Sample -0.5mm (Mass) = A - C .. 3800 g D

CYCLONE Process Sample - 5mm @ 8 % w/w

Water Addition ((D * 11.5) - B) .. 3782 mL E Ch. $\frac{D}{(B+D)*11.5} * 100 = 8$
 (B+D*11.5)

Cyclone Underflow Mass (Dry) 1810.9 g

Cyclone Overflow-sediment (Dry) 234.1 g

141103

SAVAGE RESOURCES LIMITED

Date Started: 12 MAY 1992

Laboratory #: SR 143

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g

Moisture Sample Mass (Dried @ 105 C) 20 g

Moisture Loss on Drying 30 g

Moisture Loss 60 %

Process Sample Mass (Kettle) 10 000 g

Process Sample Mass (Kettle) 4 000 g A

BLUNGE Process Sample Dry 45 % w/w

Water Addition (A * 1.222) 4888 mL B Ch. $A * 100 = 45$
A+B

Wet 1652
-12mm +0.5mm (Est. Dried) (600) g C (Err on light side)
(Dried) 564 g ~~xxxx~~

Process Sample -0.5mm (Res. Mass) = A - C .. 3400 g D

BLUNGE Process Sample -0.5mm @ 8 % w/w

Water Addition ((D * 11.5) - B) .. 34212 mL E Ch. $D * 100 = 8$
(B+D+E)

Cyclone Underflow Mass (Dry) 1556.7 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 286.0 g ~~xxxx~~

141104

SAVAGE RESOURCES LIMITED

Date Started: 12 MAY 1992

Laboratory #: SR 144

Run Code(s) #: UMBER

Moisture Sample Mass 50 g B
 Moisture Sample Mass (Dried @ 105 C) 21 g B
 Moisture Loss on Drying 29 g B
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g B
 Process Sample Mass Estimated Dry 4200 g A

BLINCE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5132 mL C Ch. A * 100 = 45
 A+B

-12mm +0.5mm (Est. Dry) (800) g C (Err on light side)
 (Dried) 631 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 34212 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 2274.1 g ****

Cyclone Overflow-sediment (Dry) 179.1 g ****

SAVAGE RESOURCES LIMITED

141105

Laboratory #: ER 145

Bore Core(s) #: UM13ER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	22	g
Moisture Loss on Drying	28	g
Moisture Loss	56	%

Process Sample mass (as rec.)	10 000	g
Process Sample Mass Estimated Dry	4400	g A

BLANGK Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 5377 mL B Ch. A * 100 = 45
A+B

1/2 222
-12mm +0.5mm (Est. Dried) (1100) g C (Err on light side)
(Dried) 929 g ~~1100~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3300 g D

CYCLONE Process samp. = -0.5mm @ 7 % w/w

Water Addition = ((D * 11.5) - B) .. 32573 mL B Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry) 1728.7 g ~~1728.7~~

Cyclone Overflow-sediment (Dry) 155.4 g ~~155.4~~

141106

SAVAGE RESOURCES LIMITED

Date Started: 12 MAY 1992

Laboratory #: RR 146

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g

Moisture Sample Mass (Dried @ 105 C) 23 g

Moisture Loss on Drying 27 g

Moisture Loss 54 %

Process Sample mass (as rec.) 10000 g

Process Sample Mass Estimated Dry 4600 g A

BLUNCK Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 5621 mL B Ch. $A * 100 = 45$
A+B

Wet 2155
-12mm +0.5mm (Est. Dried) (1100) g C (Err on light side)

(Dried) 872 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3500 g D

CYCLONK Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 34629 mL E Ch. $D * 100 = 8$
(B+D+E)

Cyclone Underflow Mass (Dry) 1695.3 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 216.1 g ~~xxxx~~

SAVAGE RESOURCES LIMITED

Date Started: 12 MAY 1992

Laboratory #: UR 147

Bore Core(a) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	22	g
Moisture Loss on Drying	28	g
Moisture Loss	56	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4000	g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 5377 mL B Ch. $A * 100 = 45$
 A+B

1799 Net

-12mm +0.5mm (Est. Dried)	(800)	g C (Err on light side)
(Dried)	747	g ****

Process Sample -0.5mm (Est. Mass) = $A - C$.. 3800 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 38323 mL E Ch. $D * 100 =$
 (B+D+E)

Cyclone Underflow Mass (Dry)	1723.4	g ****
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Cyclone Overflow-sediment (Dry)	157.0	g ****
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141108

SAVAGE RESOURCES LIMITED

Date Started: 12 MAY 1992

Laboratory #: SB 148

Bore Core(a) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	22	g
Moisture Loss on Drying	28	g
Moisture Loss	56	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4400	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 5377 mL B Ch. $\frac{A}{A+B} * 100 = 45$

1856g Wet
 -12mm +0.5mm (Est. Dried) (800) g C (Err on light side)
 (Dried) 894 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3600 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 36023 mL B Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1868.9 g ****

Cyclone Overflow-sediment (Dry) 182.3 g ****

SAVAGE RESOURCES LIMITED

Date Started: 12 MAY 1992.

Laboratory #: SR 149

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 27 g
 Moisture Loss on Drying 23 g
 Moisture Loss 46 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 5400 g A

BIJINGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 6599 mL B Ch. $\frac{A}{A+B} * 100 = 45$

¹⁶²¹
 -12mm +0.5mm (Est. Dried) (600) g C (Err on light side)
 (Dried) 793 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 4800 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 48601 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1879.4 g ****

Cyclone Overflow-sediment (Dry) 181.5 g ****

141110

SAVAGE RESOURCES LIMITED

Date Started: 13 MAY 1992.

Laboratory #: SR 150

Bore Core(s) #: UMBER.

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 23 g
 Moisture Loss on Drying 27 g
 Moisture Loss 54 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4600 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5621 mL B Ch. A * 100 = 45
 A+B

2076g Wet
 -12mm +0.5mm (Est. Dried) (900) g C (Err on light side)
 (Dried) 960 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3700 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 36929 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1751.9 g ****

Cyclone Overflow-sediment (Dry) 219.7 g ****

111111

SAVAGE RESOURCES LIMITED

Date Started: 13 MAY 1992

Laboratory #: SR 151

Bore Core(s) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	22	g
Moisture Loss on Drying	28	g
Moisture Loss	56	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4400	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 5377 mL B Ch. A * 100 = 45
A+B

Wet 1763

-12mm +0.5mm (Est. Dried)	(700)	g C	(Err on light side)
(Dried)	894	g ****	

Process Sample -0.5mm (Est. Mass) = A - C ..	3700	g D
--	------	-----

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 37173 mL B Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry)	1719.6	g ****
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Cyclone Overflow-sediment (Dry)	228.5	g ****
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141119

SAVAGE RESOURCES LIMITED

Date Started: 13 MAY 1992

Laboratory #: SR 152

Bore Core(s) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	22	g
Moisture Loss on Drying	28	g
Moisture Loss	56	%

Process Sample mass (as rec.)	10 000	g
Process Sample Mass Estimated Dry	4400	g A

BLANCKE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5377 mL B Ch. $\frac{A}{A+B} * 100 = 45$

¹⁸⁴⁶
 -12mm +0.5mm (Est. Dried) (800) g C (Err on light side)
 (Dried) 726 g ~~****~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3600 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 36023 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1791.3 g ****

Cyclone Overflow-sediment (Dry) 632.6 g ****

141113

SAVAGE RESOURCES LIMITED

Date Started: 13 MAY 1992.

Laboratory #: SR 153

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 23 g
 Moisture Loss on Drying 27 g
 Moisture Loss 54 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4600 g A

BLINKE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5621 mL B Ch. $\frac{A}{A+B} * 100 = 45$

1511
 -12mm +0.5mm (Est. Dried) (700)g C (Err on light side)
 (Dried) 711 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3900 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 39229 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1686.5 g ****

Cyclone Overflow-sediment (Dry) 394.9 g ****

141114

SAVAGE RESOURCES LIMITED

Date Started: 13 MAY 1992

Laboratory #: SR 159

Bore Core(s) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	24	g
Moisture Loss on Drying	26	g
Moisture Loss	52	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4800	g A

BLINCE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 5866 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 2355
 -12mm +0.5mm (Est. Dried) (900)g C (Err on light side)
 (Dried) 1293 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3900 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 38984 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1741.6 g ****

Cyclone Overflow-sediment (Dry) 190.7 g ****

SAVAGE RESOURCES LIMITED

Date Started: 13 MAY 1992.

Laboratory #: BR 455

Bore Core(s) #: 0 mbc

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 26 g
 Moisture Loss on Drying 24 g
 Moisture Loss 48 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 5200 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 6354 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 2178
 -12mm +0.5mm (Est. Dried) (900) g C (Err on light side)
 (Dried) 1022 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 4300 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 43096 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1614.0 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 148.9 g ~~xxxx~~

141116

SAVAGE RESOURCES LIMITED

Date Started: 13 MAY 1992

Laboratory #: SR 156

Bore Core(s) #: 01mber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 23 g
 Moisture Loss on Drying 27 g
 Moisture Loss 54 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4600 g A

BLANGÉ Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 5621 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 2161

-12mm +0.5mm (Est. Dried) (900) g C (Err on light side)
 (Dried) 902 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3700 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 36929 mL X Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 173.3 g *****

Cyclone Overflow-sediment (Dry) 132.4 g *****

SAVAGE RESOURCES LIMITED

141117

Date Started: 14 MAY 1992

Laboratory #: SR 157

Bore Core(s) #: 0 mber

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	25	g
Moisture Loss on Drying	25	g
Moisture Loss	50	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	5000	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)	6110	mL B	Ch. A * 100 = 45
			A+B

-12mm +0.5mm (Est. Dried)	(800)	g C	(Err on light side)
(Dried)	743	g ****	

Process Sample -0.5mm (Est. Mass) = A - C ..	4200	g D
--	------	-----

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) ..	42190	mL E	Ch. D * 100 =
			(B+D+E)

Cyclone Underflow Mass (Dry)	1675.0	g ****
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Cyclone Overflow-sediment (Dry)	158.9	g ****
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141118

SAVAGE RESOURCES LIMITED

Laboratory #: SR 158

Date Started: 14 MAY 1992

Bore Core(s) #: umber

Moisture Sample Mass	50	E
Moisture Sample Mass (Dried @ 105 C)	19	E
Moisture Loss on Drying	31	E
Moisture Loss	62	%

Process Sample mass (as rec.)	10000	E
Process Sample Mass Estimated Dry	3800	E A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 4644 mL E Ch. $\frac{A}{A+B} * 100 = 45$

^{2192g Wet}
 -12mm +0.5mm (Est. Dried) (900)g C (Err on light side)
 (Dried) 981 E ****

Process Sample -0.5mm (Est. Mass) = A - C .. 2900 E D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 28706 mL E Ch. $\frac{D}{(B+D+E)} * 100 =$

Cyclone Underflow Mass (Dry) 1779.0 E ****

Cyclone Overflow-sediment (Dry) 209.0 E ****

SAVAGE RESOURCE LIMITED

Date Started: 14 MAY 1992.

Laboratory #: SR 159

Bore Core(s) #: U mber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLANGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) ~~5132~~ ⁵¹³² mL B Ch. A * 100 = 45
 A+B

2078 Wet.
 -12mm +0.5mm (Est. Dried) (900) g C (Err on light side)
 (Dried) 909 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3300 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 32818 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1672.9 g ****

Cyclone Overflow-sediment (Dry) 271.5 g ****

141120

SAVAGE RESOURCES LIMITED

Laboratory #: SR 160

Date Started: 14 MAY 1992

Bore Core(s) #: Umber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGH Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) ~~5621~~ ⁵⁷³² mL B Ch. $\frac{A}{A+B} * 100 = 45$

^{1463g wet}
 -12mm +0.6mm (Est. Dried) (400) g C (Err on light side)
 (Dried) 500 g ***

Process Sample -0.5mm (Est. Mass) = A - C .. 3800 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 38568 mL E Ch. $\frac{D}{(B+D+E)} * 100 =$

Cyclone Underflow Mass (Dry) 497.4 g ****

Cyclone Overflow-sediment (Dry) 147.7 g ****

SAVAGE RESOURCES LIMITED

Date Started: 15 MAY 1992

Laboratory #: SR 161

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) ~~5621~~ ⁵¹³² mL B Ch. $\frac{A}{A+B} * 100 = 45$

^{Net 1863}
 -12mm +0.5mm (Est. Dried) (800)g C (Err on light side)
 (Dried) 718 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 1.5) - B) .. 33968 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1501.6 g ****

Cyclone Overflow-sediment (Dry) 411.3 g ****

SAVAGE RESOURCES LIMITED

Date Started: 15 MAY 1992

Laboratory #: SR 162

Bore Core(s) #: U mber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) ~~5500~~⁵¹³² mL B Ch. A * 100 = 45
 A+B

^{1761 wet}
 -12mm +0.5mm (Est. Dried) (700) g C (Err on light side)
 (Dried) 665 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3500 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 35118 mL B Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) ^{1761.6}
~~1501.6~~ g ****

Cyclone Overflow sediment (Dry) 227.7 g ****

141123

SAVAGE RESOURCES LIMITED

Laboratory #: SR 163

Date Started: 15 MAY 1992

Bore Core(a) #: UMBER

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	20	g
Moisture Loss on Drying	30	g
Moisture Loss	60	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4000	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 4888 ml. B Ch. $\frac{A}{A+B} * 100 = 45$

1899 wet.
 -12mm +0.5mm (Est. Dried) (800)g C (Err on light side)
 (Dried) 789 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3200 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 31912 ml. E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1840.4 g ****

Cyclone Overflow sediment (Dry) 1255 g ****

141124

SAVAGE RESOURCES LIMITED

Date Started: 15 MAY 1992

Laboratory #: BR 169

Bore Core(s) #: umber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 20 g
 Moisture Loss on Drying 30 g
 Moisture Loss 60 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4000 g A

BLANCKE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 4888 mL B Ch. $A * 100 = 45$
 A+B

-12mm +0.5mm ^{Wet 1671} (Est. Dried) (600) g C (Err on light side)
 (Dried) 572 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 34212 mL E Ch. $D * 100 = 8$
 (B+D+E)

Cyclone Underflow Mass (Dry) 1566.6 g ****

Cyclone Overflow-sediment (Dry) 221.1 g ****

141128

SAVAGE RESOURCES LIMITED

Date Started: 15 MAY 1992

Laboratory #: SR 165

Bore Core(s) #: UMBER

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5132 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 2137g
 -12mm +0.5mm (Est. Dried) (960) g C (Err on light side)
 (Dried) 928 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3300 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 32818 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1701.8 g ****

Cyclone Overflow-sediment (Dry) 290.4 g ****

141126

SAVAGE RESOURCES LIMITED

Date Started: 15 MAY 1992

Laboratory #: SR 166

Bore Core(s) #: umber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5132 mL B Ch. A * 100 = 45
 A+B

2350g - wet
 -12mm +0.5mm (Est. Dried) (1100) g C (Err on light side)
 (Dried) 1132 g ~~xxxx~~

Process Sample -0.5mm (Est. Mass) = A - C .. 3100 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 36578 mL B Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1415.5 g ~~xxxx~~

Cyclone Overflow-sediment (Dry) 146.3 g ~~xxxx~~

SAVAGE RESOURCES LIMITED

141127

Date Started: 16 MAY 1992

Laboratory #: SR 167

Bore Core(s) #: *umber*

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	20	g
Moisture Loss on Drying	30	g
Moisture Loss	60	%

Process Sample mass (as rec.)	10000	g
Process Sample Mass Estimated Dry	4000	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 4888 mL B Ch. $\frac{A}{A+B} * 100 = 45$

2468
 -12mm +0.5mm (Est. Dried) (1100) g C (Err on light side)
 (Dried) 1152 g ****

Process Sample -0.5mm (Est. Mass) = $A = C$ 2400 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 28462 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1792.8 g ****

Cyclone Overflow-sediment (Dry) ? g ****

141128

SAVAGE RESOURCES LIMITED

Date Started: 16 MAY 1992

Laboratory #: SR 168

Bore Core(s) #: 0 mber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 21 g
 Moisture Loss on Drying 29 g
 Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g
 Process Sample Mass Estimated Dry 4200 g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5132 mL B Ch. $\frac{A}{A+B} * 100 = 45$

²⁴⁴¹
 -12mm +0.5mm (Est. Dried) (1100) g C (Err on light side)
 (Dried) 1320 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3100 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 30518 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1670.4 g ****

Cyclone Overflow-sediment (Dry) 266.4 g ****

141129

SAVAGE RESOURCES LIMITED

Date Started: 16 MAY 1992

Laboratory #: SR 169

Bore Core(s) #: 0 mber

Moisture Sample Mass	50	E
Moisture Sample Mass (Dried @ 105 C)	20	E
Moisture Loss on Drying	30	E
Moisture Loss	60	%

Process Sample mass (as rec.)	10000	E
Process Sample Mass Estimated Dry	4000	E A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 4888 mL B Ch. A * 100 = 45
A+B

²¹²⁶
-12mm +0.5mm (Est. Dried) (900) g C (Err on light side)
(Dried) 1059 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3100 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) 30762 mL E Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry) 1953.4 g ****

Cyclone Overflow-sediment (Dry) 271.7 g ****

141131

SAVAGE RESOURCES LIMITED

Date Started: 16 MAY 1992

Laboratory #: SR 171

Bore Core(s) #: *umber*

Moisture Sample Mass 50 g

Moisture Sample Mass (Dried @ 105 C) 29 g

Moisture Loss on Drying ~~58~~²⁹ g

Moisture Loss 58 %

Process Sample mass (as rec.) 10000 g

Process Sample Mass Estimated Dry 4200 g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5132 mL B Ch. A * 100 = 45
A+B

2194g wet
-12mm +0.5mm (Est. Dried) (900)g C (Krr on light side)
(Dried) 999 g ***

Process Sample -0.5mm (Est. Mass) = A - C .. 3300 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. ~~32818~~ mL B Ch. D * 100 = 8
(B+D+B)

Cyclone Underflow Mass (Dry) 1372.8 g ***

Cyclone Overflow-sediment (Dry) 319.6 g ***

141132

SAVAGE RESOURCES LIMITED

Date Started: 16 MAY 1992

Laboratory #: SR 172

Bore Core(s) #: umber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 22 g
 Moisture Loss on Drying 28 g
 Moisture Loss 56 %

Process Sample mass (as rec.) 10 000 g
 Process Sample Mass Estimated Dry 4400 g A

BLUNCK Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5377 mL B Ch. A * 100 = 45
 A+B

-12mm +0.5mm (Est ²⁰⁹² Dried) (900)g C (Err on light side)
 (Dried) 920 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3500 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 34873 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 1441.4 g ****

Cyclone Overflow sediment (Dry) 319.6 g ****

141133

SAVAGE RESOURCES LIMITED

Date Started: 27 MAY 1992

Laboratory #: SR 173

Bore Core(s) #: HA 4/7 (new material per SR73)

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5880 g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

451g Wet
 -12mm +0.5mm (Est. Dried) (280) g C (Err on light side)
 (Dried) 290 g ~~****~~

Process Sample -0.5mm (Est. Mass) = A - C .. 5600 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 57215 mL E Ch. $\frac{D}{B+D+E} * 100 = 8$

Cyclone Underflow Mass (Dry) 2115.6 g ~~****~~

Cyclone Overflow-sediment (Dry) 234.9 g ~~****~~

141134

SAVAGE RESOURCES LIMITED

Date Started: 27 MAY 1992

Laboratory #: SR 179

Bore Core(s) #: HA 4/8 (new material SR 73)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

562 wet

-12mm +0.5mm (Est. Dried)	(300)	g C (Err on light side)
(Dried)	406	g ****

Process Sample -0.5mm (Est. Mass) = A - C ..	5580	g D
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CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. 56985 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry)		g ****
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Cyclone Overflow-sediment (Dry)		g ****
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141135

SAVAGE RESOURCES LIMITED

Date Started: 27 MAY 1992

Laboratory #: SR 175

Bore Core(s) #: HA 5/7 (new material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	48	g
Moisture Loss on Drying	2	g
Moisture Loss	4	%

Process Sample mass (as rec.)	6500	g
Process Sample Mass Estimated Dry	6240	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7625 mL B Ch. A * 100 = 45
A+B

1789 Wet.
-12mm +0.5mm (Est. Dried) (700) g C (Err on light side)
(Dried) 836 g ****

Process Sample -0.5mm (Est. Mass) = A - C ..	5540	g D
--	------	-----

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 56085 mL E Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry)	1754.8	g ****
	<u>584.4</u>	g ****

Cyclone Overflow-sediment (Dry)	<u>584.4</u>	g ****
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102300

SAVAGE RESOURCES LIMITED

Date Started: 27 MAY 1992

Laboratory #: ER 176

Bore Core(s) #: HA 9/5 HAS/889

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6500 g
 Process Sample Mass Estimated Dry 6240 g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7625 mL B Ch. $\frac{A}{A+B} * 100 = 45$

-12mm +0.5mm ⁸⁰⁹ (Est. Dried) (600)g C (Err on light side)
 (Dried) 606 g ~~****~~

Process Sample -0.5mm (Est. Mass) = A - C .. 5640 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5) - B) .. ~~5640~~ ⁵⁷²³⁵ mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1776.1 g ~~****~~

Cyclone Overflow sediment (Dry) 697.1 g ~~****~~

141137

SAVAGE RESOURCES LIMITED

Date Started: 28 MAY 1992

Laboratory #: SR 177

Bore Core(s) #: HA 4/9 (new material)
HA 5/10

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLUNGER Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

Wet 1018
 -12mm +0.5mm (Est. Dried) (600) g C (Err on light side)
 (Dried) 820 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5280 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 53535 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1751.6 g *****

Cyclone Overflow-sediment (Dry) 738.9 g *****

141138

SAVAGE RESOURCES LIMITED

Date Started: 28 MAY 1992.

Laboratory #: SR 178

Bore Core(s) #: HA 4/9 (new material)

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

⁴⁹⁶
 -12mm +0.5mm (Est. Dried) (300)g C (Err on light side)
 (Dried) 509 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5580 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 56985 mL R Ch. $\frac{D}{(B+D+R)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1825.1 g ****

Cyclone Overflow-sediment (Dry) 527.4 g ****

141139

SAVAGE RESOURCES LIMITED

Date Started: 28 MAY 1992

Laboratory #: SR 179

Bore Core(s) #: HA 4/9 HA 5/11 & 12.

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 49 g
 Moisture Loss on Drying 1 g
 Moisture Loss 2 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5880 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = $(A * 1.222)$ 7185 mL B Ch. $\frac{A}{A+B} * 100 = 45$

1107g
 -12mm +0.5mm (Est. Dried) (600)g C (Err on light side)
 (Dried) 868 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5280 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = $((D * 11.5) - B)$.. 5355 mL E Ch. $\frac{D}{(B+D)+E} * 100 = 8$
 (B+D+E)

Cyclone Underflow Mass (Dry) 1918.9 g ****

Cyclone Overflow sediment (Dry) 717.0 g ****

141140

SAVAGE RESOURCES LIMITED

Date Started: 28 MAY 1992

Laboratory #: SR 180

Bore Core(s) #: HA 9/10 & 11
HA 5/11 & 13

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 48 g
 Moisture Loss on Drying 2 g
 Moisture Loss 4 %

Process Sample mass (as rec.) 6000 g
 Process Sample Mass Estimated Dry 5760 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 7039 mL B Ch. $\frac{A}{A+B} * 100 = 45$

¹⁰⁰⁴
 -12mm +0.5mm (Est. Dried) (600)g C (Err on light side)
 (Dried) 739 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5170 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 52416 mL E Ch. $\frac{D}{(B+D+E)} * 100 = 8$

Cyclone Underflow Mass (Dry) 1919.7 g ****

Cyclone Overflow-sediment (Dry) 826.5 g ****

SAVAGE RESOURCES LIMITED

141141

Date Started: 29 MAY 1992

Laboratory #: SR 181

Bore Core(s) #: umber

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 20 g
 Moisture Loss on Drying 30 g
 Moisture Loss 60%

Process Sample mass (as rec.) 11000 g
 Process Sample Mass Estimated Dry 4400 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5377 mL B Ch. $A * 100 = 45$
 A+B

2009 wet
 -12mm +0.5mm (Est. Dried) (800) g C (Err on light side)
 (Dried) 702 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. ~~3600~~ 3600 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) ... 3602.3 mL E Ch. $D * 100 = 8$
 (B+D+E)

Cyclone Underflow Mass (Dry) 2279.3 g ****

Cyclone Overflow-sediment (Dry) 249.9 g ****

SAVAGE RESOURCES LIMITED

Date Started: 29 MAY 1992

Laboratory #: SR 182

Bore Core(a) #:

Moisture Sample Mass 50 g
 Moisture Sample Mass (Dried @ 105 C) 20 g
 Moisture Loss on Drying 30 g
 Moisture Loss 60 %

Process Sample mass (as rec.) 11000 g
 Process Sample Mass Estimated Dry 4400 g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222) 5377 mL B Ch. A * 100 = 45
 A+B

2033 wet
 -12mm +0.5mm (Est. Dried) (900) g C (Err on light side)
 (Dried) 772 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 3500 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 34673 mL E Ch. D * 100 = 8
 (B+D+E)

Cyclone Underflow Mass (Dry) 2466.0 g ****

Cyclone Overflow-sediment (Dry) 440.6 g ****

141143

SAVAGE RESOURCES LIMITED

Date Started: # 29 MAY 1992.

Laboratory #: SR 183

Bore Core(s) #: HA 5/11 & 13

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	48	g
Moisture Loss on Drying	2	g
Moisture Loss	4	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5730	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7039 mL B Ch. A * 100 = 45
A+B

Wet: 1104
-12mm +0.5mm (Est. Dried) (700) g C (Err on light side)
(Dried) 720 g ****

Process Sample -0.5mm (Est. Mass) = A - C... 5030 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 50806 mL B Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry) 1964.5 g ****

Cyclone Overflow-sediment (Dry) 325.1 g ****

SAVAGE RESOURCES LIMITED

Date Started: 29 MAY 1992.

Laboratory #: SR 189

Bore Core(s) #: HA 5/13-16

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLUNGE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7185 mL B Ch. $A * 100 = 45$
A+B

⁹⁷⁹
-12mm +0.5mm (Est. Dried) (700) g C (Err on light side)
(Dried) 757 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5180 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 52385 mL E Ch. $D * 100 = 8$
(B+D+E)

Cyclone Underflow Mass (Dry) 2336.6 g ****

Cyclone Overflow-sediment (Dry) 461.0 g ****

141140

SAVAGE RESOURCES LIMITED

Date Started: 29 MAY 1992

Laboratory #: SR 185

Bore Core(s) #: HA 4/11 HA 5/13

Moisture Sample Mass	50	g
Moisture Sample Mass (Dried @ 105 C)	49	g
Moisture Loss on Drying	1	g
Moisture Loss	2	%

Process Sample mass (as rec.)	6000	g
Process Sample Mass Estimated Dry	5880	g A

BLINDE Process Sample Dry @ 45 % w/w

Water Addition = (A * 1.222)..... 7185 mL B Ch. A * 100 = 45
A+B

⁷⁹⁷
-12mm +0.5mm (Est. Dried) (500)g C (Err on light side)
(Dried) 616 g ****

Process Sample -0.5mm (Est. Mass) = A - C .. 5380 g D

CYCLONE Process Sample -0.5mm @ 8 % w/w

Water Addition = ((D * 11.5)-B) .. 54685 mL E Ch. D * 100 = 8
(B+D+E)

Cyclone Underflow Mass (Dry) 2413.3 g ****

Cyclone Overflow-sediment (Dry) 470.3 g ****

APPENDIX THREE

A 3. Iron Assays by Savage River Laboratory
Mining Block Sample Recoveries

IRON ASSAYS PERFORMED BY SAVAGE RIVER LABORATORY

SR Number	Description	%Fe2O3
SR66	o/f-o/f	24.7
SR67	o/f-o/f	27.7
SR68	raw feed	18.0
SR68	u/f	11.2
SR68	o/f-sed	14.8
SR68	o/f-o/f	30.5
SR69	raw feed	16.7
SR69	u/f	3.9
SR69	o/f-sed	18.7
SR69	o/f-o/f	34.7
SR70	raw feed	14.7
SR70	u/f	13.3
SR70	o/f-sed	11.5
SR70	o/f-o/f	18.7
SR71	raw feed	16.8
SR71	u/f	14.3
SR71	o/f-sed	11.4
SR71	o/f-o/f	25.8
SR72	raw feed	32.2
SR72	u/f	20.1
SR72	o/f-sed	26.2
SR72	o/f-o/f	36.2
SR73	raw feed	28.8
SR73	u/f	16.9
SR73	o/f-sed	31.2
SR73	o/f-o/f	47.1
SR74	raw feed	34.0
SR74	u/f	19.1
SR74	o/f-sed	34.2
SR74	o/f-o/f	48.4
SR75	raw feed	47.5
SR75	u/f	49.8
SR75	o/f-sed	61.1
SR75	o/f-o/f	66.2
SR76	raw feed	32.4
SR76	u/f	14.6
SR76	o/f-sed	33.9
SR76	o/f-o/f	55.5
SR77	raw feed	55.9
SR77	u/f	52.8
SR77	o/f-sed	58.6
SR77	o/f-o/f	61.1

SR78	raw feed	
SR78	u/f	13.4
SR78	o/f-sed	17.2
SR78	o/f-o/f	
SR79	raw feed	53.4
SR79	u/f	45.6
SR79	o/f-sed	58.0
SR79	o/f-o/f	59.9
SR80	raw feed	34.0
SR80	u/f	16.9
SR80	o/f-sed	22.0
SR80	o/f-o/f	47.6
SR81	u/f	24.0
SR81	o/f-sed	33.7
SR81	o/f-o/f	47.0
SR82	u/f	45.0
SR82	o/f-sed	55.3
SR82	o/f-o/f	67.1
SR83	u/f	19.1
SR83	o/f-sed	32.0
SR83	o/f-o/f	44.9
SR84	+ 1/2 mm	40.8
SR84	u/f	26.4
SR84	o/f-sed	54.1
SR84	o/f-o/f	56.1
SR85	+ 1/2 mm	38.7
SR85	u/f	41.2
SR85	o/f-sed	55.0
SR85	o/f-o/f	59.0
Umber	raw feed	53.8
SR86	+ 1/2 mm	37.7
SR86	u/f	45.2
SR86	o/f-sed	57.4
SR86	o/f-o/f	62.2
SR87	+ 1/2 mm	21.4
SR87	u/f	43.2
SR87	o/f-sed	56.7
SR87	o/f-o/f	59.1
SR88	+ 1/2 mm	30.9
SR88	u/f	42.7
SR88	o/f-sed	56.7
SR88	o/f-o/f	59.7

Mining Block	Sample Number	Dried Weight g (%)	+12mm g (%)	-12 to 0.5mm g (%)	underflow g (%)	o/flow sediment g (%)	overflow g (%)	losses g (%)
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Sample material HA4/2-5, HA5/1-6

3/2	SR73	1682	69 (4.1)	181 (10.8)	755 (44.9)	184 (10.9)	445 (26.5)	48 (2.9)
3/2	SR83	3963		789 (19.9)	1438 (36.3)	340 (8.6)	1220 (30.8)	176 (4.4)
3/2	SR91	4848		642 (13.2)	2014 (41.5)	450 (9.3)	1447 (29.9)	295 (6.1)
3/2	SR92	6048		898 (14.9)	2446 (40.4)	574 (9.5)		
3/2	SR93	6048		976 (16.1)	2574 (42.6)	523 (8.6)		
3/2	SR94	6174		948 (15.4)	2246 (36.4)	378 (6.1)		
3/2	SR95	6174		1105 (17.9)	2156 (34.9)	658 (10.7)		
Average Recoveries				(15.5)	(39.6)	(9.1)	(20.2)	(4.5)

Sample material HA4/5-11, HA5/7-17

3/2	SR96	5880		705 (12.0)	1526 (25.9)	443 (7.5)		
3/2	SR97	5880		596 (10.1)	1746 (29.7)	499 (8.5)		
3/2	SR98	5760		649 (11.3)	1806 (31.4)	425 (7.4)		
3/2	SR99	5760		699 (12.1)	1631 (28.3)	482 (8.4)		
3/2	SR100	5760		541 (9.4)	2138 (37.1)	467 (8.1)		
3/2	SR101	5280		674 (12.8)	1468 (27.8)	421 (8.0)		
Average Recoveries				(11.3)	(30.0)	(8.0)		

Mining Block	Sample Number	Dried Weight g (%)	+12mm g (%)	-12 to 0.5mm g (%)	underflow g (%)	o/flow sediment g (%)	overflow g (%)	losses g (%)
Sample material HA4/7-11, HA5/7-17								
3/2	SR117	5880		644 (11.0)	1546 (26.3)	499 (8.5)		
3/2	SR118	5880		730 (12.4)	1664 (28.3)	531 (9.0)		
Average Recoveries				(11.7)	(27.3)	(8.7)		
Sample material HA1/1-5								
3/2	SR119	5880		881 (15.0)	1915 (32.6)	511 (8.7)		
3/2	SR120	5880		797 (13.6)	1959 (33.3)	408 (6.9)		
Average Recoveries				(14.3)	(33.0)	(7.8)		
Sample material HA4/5,8-11, HA5/8-16								
3/2	SR175-180 & 183-185			(12.1)	(33.3)	(10.0)		
COMBINED AVERAGES FOR BLOCK			(4.1)	(10.6)	(32.6)	(8.7)	(20.2)	(4.5)

Mining block	Sample Number	Dried Weight g (%)	+12mm g (%)	-12mm to 0.5mm g (%)	underflow g (%)	o/flow sediment g (%)	overflow g (%)	losses g (%)
Sample Material HB1/1&3, HB2/1-8, HB3/1&2, 4-6								
3/2	SR74	1019	0 (0)	104 (10.2)	333 (32.7)	129 (12.7)	372 (36.5)	81 (8.0)
3/2	SR81	3028		363 (12.0)	903 (29.8)	276 (9.1)	1175 (38.8)	311 (10.0)
3/2	SR89	4949		605 (12.2)	1148 (23.2)	419 (8.5)	2009 (40.6)	768 (15.5)
3/2	SR102	5760		674 (11.7)	1192 (20.7)	480 (8.3)		
3/2	SR103	6076		872 (14.4)	1105 (18.2)	49 (0.8)		
3/2	SR104	6076		865 (14.2)	1449 (23.9)	79 (1.3)		
3/2	SR105	6076		948 (15.6)	1490 (24.5)	219 (3.6)		
3/2	SR106	5952		1056 (17.7)	1424 (23.9)	468 (7.9)		
3/2	SR107	6370		1013 (15.9)	1488 (23.4)	312 (4.9)		
3/2	SR108	6370		997 (15.7)	1665 (26.1)	498 (7.8)		
Average Recoveries				(14.0)	(24.6)	(6.5)	(38.6)	(11.2)

Mining block	Sample Number	Dried Weight g (%)	+12mm g (%)	-12mm to 0.5mm g (%)	underflow g (%)	o/flow sediment g (%)	overflow g (%)	losses g (%)
Sample Material HD4/2-4								
2/1	SR75	2325	22 (1.0)	674 (30.0)	677 (29.1)	155 (6.7)	486 (20.9)	311 (13.4)
2/1	SR82	2627		916 (34.9)	805 (30.6)	159 (6.0)	598 (22.8)	149 (5.7)
2/1	SR90	4650		1718 (37.0)	1380 (29.7)	107 (2.3)	1089 (23.4)	356 (7.7)
2/1	SR109	6860		3190 (46.5)	1395 (20.3)	383 (5.6)		
2/1	SR110	6370		2795 (43.9)	1435 (22.5)	296 (4.6)		
Average Recoveries			(1.0)	(38.5)	(26.4)	(5.0)	(22.4)	(8.9)
Sample Material HD4/5-9								
2/1	SR111	5280		1238 (23.4)	1174 (22.2)	254 (4.8)		
2/1	SR112	5400		1150 (21.3)	1553 (28.8)	249 (4.6)		
2/1	SR113	5370		1287 (24.0)	1202 (22.4)	246 (4.6)		
2/1	SR114	5520		1290 (23.4)	1289 (23.3)	212 (3.8)		
2/1	SR115	5520		1297 (23.5)	1283 (23.2)	250 (4.5)		
2/1	SR116	3680		1174 (31.9)	1146 (31.1)	275 (7.5)		
Average Recoveries				(24.6)	(25.2)	(5.0)		
Sample Material HD4/10-20								
2/1	SR121-128	Average Recoveries		(23.9)	(26.0)	(6.2)		
COMBINED AVERAGES FOR BLOCK			(1.0)	(29.0)	(25.9)	(5.4)	(22.4)	(8.9)

Mining block	Sample Number	Dried Weight g (%)	+12mm g (%)	-12mm to 0.5mm g (%)	underflow g (%)	o/flow sediment g (%)	overflow g (%)	losses g (%)
Sample Material Umber								
umber	SR77	2280		100 (4.4)	1156 (50.7)	874 (38.3)	391 (17.0)	+241 10.6
umber	SR85	2300		179 (7.8)	262 (11.4)	504 (21.9)	716 (31.3)	639 (27.8)
umber	SR86	2300		195 (8.5)	582 (25.3)	678 (29.5)	700 (30.4)	145 (6.3)
umber	SR87	2400		141 (5.9)	422 (17.6)	650 (27.1)	525 (21.9)	662 (27.6)
umber	SR88	2400		165 (6.9)	681 (28.4)	720 (30.0)	597 (24.5)	237 (9.9)
umber	SR129	3200		480 (15.0)	309 (9.7)	435 (13.6)		
umber	SR130	3000		744 (24.8)	419 (14.0)	425 (14.2)		
umber	SR131	4080		558 (13.7)	647 (15.9)	173 (4.2)		
umber	SR132	3200		506 (15.8)	749 (23.4)	306 (9.6)		
umber	SR133	4600		585 (12.7)	726 (15.8)	601 (13.1)		
umber	SR134	4800		661 (13.8)	1454 (30.3)	237 (4.8)		
umber	SR135	4400		531 (12.1)	1475 (33.5)	365 (8.3)		
umber	SR136	4400		645 (14.7)	1673 (38.0)	293 (6.6)		
umber	SR137	4800		534 (11.1)	900 (18.8)	316 (6.6)		
umber	SR138	4200		496 (11.8)	1116 (26.6)	136 (3.2)		
umber	SR139	4600		764 (16.6)	1850 (40.2)	493 (10.7)		
umber	SR140	4400		703 (16.0)	1834 (41.7)	224 (5.1)		

Mining block	Sample Number	Dried Weight g (%)	+12mm g (%)	-12mm to 0.5mm g (%)	underflow g (%)	o/flow sediment g (%)	overflow g (%)	losses g (%)
umber	SR141	4200		461 (11.0)	942 (22.4)	206 (4.9)		
umber	SR142	4800		666 (13.9)	1811 (37.7)	234 (4.9)		
umber	SR143	4000		564 (14.1)	1557 (38.9)	286 (7.2)		
umber	SR144	4200		631 (15.0)	2224 (53.0)	179 (4.3)		
umber	SR145	4400		929 (21.1)	1729 (39.3)	155 (3.5)		
umber	SR146	4600		872 (19.0)	1695 (36.9)	216 (4.7)		
umber	SR147	4400		747 (17.0)	1723 (39.2)	158 (3.6)		
umber	SR148	4400		894 (20.3)	1869 (42.5)	182 (4.1)		
umber	SR149	5400		793 (14.7)	1879 (34.8)	182 (3.4)		
umber	SR150	4600		960 (20.9)	1758 (38.2)	220 (4.8)		
umber	SR151	4400		894 (20.3)	1780 (40.5)	229 (5.2)		
umber	SR152	4400		726 (20.3)	1791 (40.7)	633 (14.4)		
umber	SR153	4600		711 (15.5)	1687 (36.7)	395 (8.6)		
umber	SR154	4800		1243 (25.9)	1742 (36.3)	191 (4.0)		
umber	SR155	5200		1022 (19.7)	1614 (31.0)	149 (2.9)		
umber	SR156	4600		902 (19.6)	1731 (37.6)	132 (2.9)		
umber	SR157	5000		743 (14.9)	1676 (33.5)	159 (3.2)		

Mining block	Sample Number	Dried Weight g (%)	+12mm g (%)	-12mm to 0.5mm g (%)	underflow g (%)	o/flow sediment g (%)	overflow g (%)	losses g (%)
umber	SR158	3800		981 (25.8)	1779 (46.8)	209 (5.5)		
umber	SR159	4200		909 (21.6)	1673 (39.8)	272 (6.5)		
umber	SR160	4200		500 (11.9)	1497 (35.6)	148 (3.5)		
umber	SR161	4200		718 (17.1)	1502 (35.8)	411 (9.8)		
umber	SR162	4200		665 (15.8)	1762 (41.9)	228 (5.4)		
umber	SR163	4000		789 (19.7)	1840 (46.0)	126 (3.2)		
umber	SR164	4000		572 (14.3)	1567 (39.2)	221 (5.5)		
umber	SR165	4200		928 (22.1)	1702 (40.5)	290 (6.9)		
umber	SR166	4200		1132 (27.0)	1415 (33.7)	146 (3.5)		
umber	SR167	4000		1152 (28.8)	1793 (44.8)			
umber	SR168	4200		1320 (31.4)	1670 (39.8)	266 (6.3)		
umber	SR169	4000		1054 (26.4)	1953 (48.8)	272 (6.8)		
umber	SR170	4200		1197 (28.5)	939 (22.4)	1476 (35.1)		
umber	SR171	4200		999 (23.8)	1372 (32.7)	320 (7.6)		
umber	SR172	4400		920 (20.9)	1441 (32.8)	320 (7.3)		
umber	SR181	4400		702 (16.0)	2279 (51.8)	250 (5.7)		
umber	SR182	4400		772 (17.5)	2467 (56.1)	441 (10.0)		
Average Recoveries				(21.1)	(34.7)	(9.2)	(25.0)	(12.2)

APPENDIX FOUR

A 4. A Critical Review of Old Drilling Data, Long Plains South Deposit

**A CRITICAL REVIEW OF OLD DRILLING DATA
LONG PLAINS SOUTH DEPOSITS**

**(IN RETENTION LICENCE 8802 BOWRY CREEK
SAVAGE RIVER, TASMANIA)**

BY

C.H.C. SHANNON

31-10-1991

SAVAGE RESOURCES LIMITED

Incorporated in Tasmania

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Introduction

There is a window of opportunity opening for development of the Long Plains South iron ore deposit since such a development would allow for continued operation of the Savage River mine. This data review was intended to achieve a new estimate of minable ore for the area but the data, on examination, proved so defective that this aim had to be given up. What could be achieved was the identification of many points where there is potential for upgrading of the prospect.

The drilling done on the prospect began in 1959 and ended in 1970. All this old data is recorded in imperial units and in awkward and somewhat misleading format that is not readily reproduced. In this report the records are reproduced in a new format whereby the core losses can be followed and their influence made properly evident. Summary logs are presented with correlatable interpretive divisions of the logs converted to metric units, along with new borehole sections and detailed locality maps at a common scale of 1:1,000. The magnetic survey of the field is reproduced at a metric scale of 1:2,500 with the Australian Map Grid superimposed. A criticism of the data is given for each borehole.

The drilling, recording and assay procedures were often poor and the grade data should not be taken at face value, since there is a big problem with selective core loss of magnetite in the magnetite ore intervals. Also, there are other intervals of severe core loss which

are interpreted here as ochre, and the indications are that there is a major ochre resource present. If this is correct there is an opportunity to support the mining of "sub-marginal" magnetite by sharing costs with the comparatively high value ochre production. Paradoxically, it is the defects in the drilling program that make the prospect more promising than the records indicate directly.

General criticisms of the available data

When one looks at a set of bore logs and assays one normally takes it for granted that the impression of grade and ore intercepts gained by taking them at face value will be reasonably accurate. The concealed assumptions in this approach include the idea that core losses do not matter, (that they are either minimal or so distributed as not to affect the validity of the sampling); and that intervals assayed are properly selected to include all the ore and to exclude only barren country rock. These assumptions are nothing like right for these drilling results. Points where there is proof of such defects are noted in the bore log commentaries.

Now if there are substantial core losses, they can be allowed for if they are carefully tracked in the logs and not too severe. In the case of RTAE No 1 the geologist took great care in recording losses for each drill run. By assaying separately for each drill run through ore zones, and luckily finding that the intervals of both good and poor recovery gave much the same acid soluble iron values, the grades

defined by such continuous chains of iron values are credible despite poor overall recovery through the ore intervals defined. Regrettably there are indications that some lower grade intervals deemed not worth assaying at the time contain potentially usable grades of magnetite. A zone of such mineralization from which bands of rich ore were assayed may well have bulked up to a practicable ore zone if assays for the disseminated magnetite had been available as well. Unfortunately the core for this hole appears to have been lost. The log was also thought to be lost but was located through the efforts of Mines Department staff. (thank you Mr G. Oakes). It runs to a dozen or so pages but uses the old Mines Department folios correctly so as to keep lithological log, drillers record, core recovery, column log and assays together as far as possible, with the recovery/loss proportions shown diagrammatically on the column log. This format makes the effect of core loss on the reliability of the grades readily apparent.

The remaining holes drilled for Industrial and Mining Investigations are also recorded on Mines Department folios, but without any understanding of how they were meant to be used, and missing entirely the point that core loss and assays were meant to be relatable to the geologist's log. Worse, the core loss is known only from the driller's daily record, usually rounded to the nearest foot and sometimes missing altogether. In the case of one bore IMI No 29, (perhaps drilled by rookie drillers with a rookie geologist), it can be shown that an important ore interval was measured as it lay spread

out loosely in the core trays, giving a false recovery figure greater than the interval drilled, and to the extent that this practice occurs the true recoveries are systematically worse than those claimed.

For assays there was a policy to "economize" by covering only intervals which include the more obvious magnetite mineralization, and to exclude the country rock and less obvious magnetite mineralization. But once the core loss is tracked down it is clear that certain unassayed intervals represent the core loss within an ore zone, not the barren country rock that one would ordinarily assume. In most cases it is unclear how the assayed and unassayed intervals are distributed with regard to core loss, low grade or barren amphibolite and ore. There were a few cases where apparently barren country rock was assayed (e.g. IMI No 30) and there were in fact a few percent of HCl soluble iron present. In other bores intervals noted as magnetite bearing were not assayed. The drift of these defects in the data is towards understating the true recoverable iron values, with selective loss of magnetite through core loss being the most serious.

There are comparatively minor factors which tend to overstate the recoverable iron. In the case of bore IMI No 28 total iron values are used, a measure which includes the iron present in pyrite and other gangue minerals which is not recoverable, so these values overstate recoverable iron to a minor degree. Of course even the HCl soluble

iron test will include the iron present in carbonates such as magnesite, not just that in magnetite and its magnetic oxidation products which it is the object of these assays to determine. But there is not much magnesite-rich magnetite ore so this is not a significant problem.

The boreholes were sited with the intention of targeting magnetic highs and to the extent they succeed in this they sample ground of higher than usual magnetite content; but this aim seems not to have been achieved, as can be illustrated in the case of bore IMI No 29. This bore had to pass through a poorly magnetic ore band 1 in order to intersect band 2 at depth below a surface magnetic high; but ore band 1 which has more or less full recovery has the better soluble iron content. The lower result in band 2 seems incompatible with the magnetics implying some combination of decrease in grade at depth and severe loss of magnetite in the sampling. It seems likely that the magnetics and grade of the ore varies from high to low over distances of the order of 100m in the vertical as well as in horizontal dimensions, and that by this accident the sampling has turned out more random than biased toward higher grade. But the defects in sampling discussed before are more important.

A suggestion from B. Povey, manager at Savage River Mines, is that the transport cost limitation on a mine at Long Plains South could be overcome by trucking only the richer ore to the crusher after sorting on the mine site. To evaluate this option it is necessary to have

data in a form that distinguishes medium grade material as either the alternating high-grade-and-barren styles that are amenable to sorting or the uniformly disseminated style which is not. The assays available are of very little use in this respect.

New interpretation of drillhole records

The old log information is included in appendix 2. An interpretation for each drillhole, using metric units and integrating core loss information is shown in Appendix 1. Borehole sections displaying this interpretation is shown in Appendix 4 with corresponding maps, Appendix 5.

Geological Interpretation

The following interpretation can be followed using the borehole profiles. Some elements of it are highly conjectural.

The magnetite bearing zone is within the Bowry Formation and is explicable along with the other Savage River deposits as an exhalative deposit analogous to a base metal sulphide but lacking the base metals and most of the sulphur. The gangue of the deposit consists of the rock locally termed amphibolite (but unlike typical amphibolites), possibly itself an exhalative silicate sediment originally, like the nontronite mud associated with the Red Sea metalliferous sulphide sediments. The amphibolite is less fissile

than the typical country rock owing to lack of chlorite and other micaceous minerals although there is a degree of gradation into the more common feldspar-chlorite schist. The sequence has been considered to show basic volcanic chemical affinities but the well bedded nature of the sequence means lavas are not present (except for rare dykes); tuffs and/or sediments from a volcanic terrain are indicated.

The Long Plains South ore beds are essentially above the major magnesite beds whereas the Savage River Mines orebodies are below them. Long Plains would appear to correlate with the more easterly orebody at Rocky River, the one drilled by bores RR No 1 and RR No 2., not the one tunneled into by the Rocky River Mining Company.

Within the Long Plains amphibolite/magnetite unit there are up to three iron ore zones. Zones 1. and 2. are traceable through all the bores. Zone 3. is only locally developed and merges with zone 2. (See borehole sections). Zone 1 commonly consists of upper and lower splits with a low grade interval separating them. The intervening amphibolites can become ore bearing adjacent to the richer areas of zones 1. and 2.

Facies change from magnetite into carbonate occurs through an intermediate magnetite bearing carbonate (dolomitic magnesite) which can be siliceous. In the case of the extreme southern orebody drilled by bore IMI No's 33 and 34 the amphibolite zone between ore zones 1.

and 2. has apparently thinned down and converted to a carbonate. The beginning of this process is seen in IMI No. 30. At the north end of the deposit the magnetite zones reach their richest development but then abruptly stop, most likely through a sharp facies change into carbonate.

On the west the magnetite/amphibolite unit is bounded by greenschist/magnesite beds. The boundary zone is a locus of intense deep weathering which has resulted in ochre development to great depths. On the east the bounding unit is characterized by micaceous greenschist with some magnesite, also weathering to ochre to a considerable depth. An unexamined chain of magnetic anomalies further east is thought to be another magnetite/magnesite bed with associated ochre. The sequence dips steeply to the east and is shown on the sections at an arbitrary but not unrealistic 80 degrees.

Ore assessment

A previous assessment of the area as an iron ore prospect was made by J.E. Ridgway (see appendix 3). Implied in that assessment is the view that the drilling data can be taken at face value, which is not considered valid here (see comments above).

The existing Savage River Mine operations provide parameters for getting a rough idea of the feasibility of mining the deposit. In January 1988 targets were for the shifting of 350,000 tonnes of

material of which approximately one third (125,000 tonnes) was to go to the crusher to produce 48,000 tonnes of magnetite concentrate valued at \$33-00/tonne. About 5% of the potential concentrate is lost in processing. Cutoff grade is 15% magnetite (11% HCl sol Fe); the average recovered grade is about 37% magnetite (27% HCl sol Fe) and after assuming 5% loss in processing target head grade average would be c. 39% magnetite corresponding to 29% HCl sol Fe. The bores IMI No. 46 and RTAE No. 1 contain grades which would appear to be well within this limit. The other ore zones at Long Plains reach the cutoff grade, but at first sight would not reach this level of average grade.

But if the common grades taken from the assays of 20-30% HCl soluble Fe really represent in ground material more like 25-35% HCl soluble Fe, (owing to selective loss of magnetite rock in the drilling process) the grades could turn out to match S.R.M.'s actual head grade. But some extra cost of transport must also be allowed for, perhaps \$1-00/tonne going on Brambles rates for the Corinna silica flour haulage to Burnie; approx \$1-20/tonne/10km.

The associated ochre resource that is suggested to exist has potential to carry costs for a combined operation. As an exercise some calculations were made using the comparatively poor IMI No. 28 section, using the suspect face-value assay data and without attempting to allow for the extra transport cost or processing losses. In practice the anticipated compensating errors in this

procedure may give values approximating the real concentrate yield. The exercise result was that a notional plan width of 47.5m of ore could support the removal of a plan width of 62.5m of waste, which is little more than the waste between the three ore bands and not enough to provide batters, and therefore not economically feasible. But at \$250-00/tonne a 10m plan width of ochre could support removal of a 173m wide strip of waste material. This would be more than enough to cover the earnings shortfall of an iron ore only operation, given the indications that this sort of width of ochre seems likely to exist down to 30m or so on the east margin of the iron ore belt and to a greater extent and depth on the west.

Conclusions

The available data is so defective in recovery, assay coverage and recording that a definite resource estimate lacks credibility. The tonnages calculated by Ridgway are of the right order if the grade problem is ignored. Grade is not sufficiently known but on the whole the deposit should prove richer than was previously thought, particularly in the most promising area, the northern section between IMI No. 28 and IMI No. 46. For this area the writer has gained the impression that overall grades marginally lower than those from the present S.R.M. operation are most likely. This may still allow for rich enough grades and volumes to be established to allow a magnetite concentrate only operation to proceed even though some extra transportation costs must be allowed for. (The gentle gradients of

the Corinna road and contractors rates may bring down costs relative to a direct comparison with the S.R.M. mine haulage costs). If the inferred ochre resource can be confirmed and it is then developed so that it subsidizes waste removal cost for the iron ore, the combined operation is more likely than not to be feasible. If this option is taken it would be necessary to sacrifice ochre production at other proven reserves in the Savage Resources leases with the object of preserving the infrastructure of the town, and a glut of ochre may have to be managed. Without such assistance from ochre production only the small pocket at the north end (from RTAE No 1 to IMI No. 46) seems sure to be rich enough to stand alone, with the rest seemingly not quite rich enough at current prices.

Recommendations

The ochre resource could be confirmed with a pit sampling program going to 5m depths with an excavator, targeting the inferred surface subcrop of the "ochre zones" intercepted in the bores. To test the iron ore at least one or two bores between IMI No 29 and RTAE No 1 are required and these must achieve full recovery sin the aim is to get real grades through the magnetite bearing ground. Also, it is desirable both to avoid sampling surface magnetic highs and to conform to the 50m profile spacing which Savage River Mines uses in development evaluation drilling.

S.R.M. have for long been bothered by selective loss of magnetite

intervals in coring and have recently solved the problem by using only thin walled HQ size bits, (thick core), continuous drilling and one carefully instructed contractor (M. McKeown pers. comm.), so the aim of full recovery, near enough, is now realistic. Since the Long Plains option is the difference between the 10 year and the 15 year mine life options there is some leeway with respect to when an investigation should start but an early start would be advisable.



ANNUAL REPORT
 RETENTION LICENCE 8802 BOWRY CREEK
 SAVAGE RIVER, TASMANIA

for the period
 24 MAY 1991 to 31 August 1992.

BY

R. ANNETT

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MINES	
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Covering letter on	
RL 8802 Polio 42	
Resubmit to	Date

SAVAGE RESOURCES LIMITED

Incorporated in Tasmania

APPENDIX FIVE

A 5. Draw Down Cards



UNMARKED CONTRAST PAPER



141174

Unaltered HAYMES
WHITE High Gloss
Enamel



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel (1.2g:12g) - 10:1



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel (2.4g:12g) - 5:1



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel (4.8g:12g) - 2.5:1



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel, University of SA W1 - 10:1



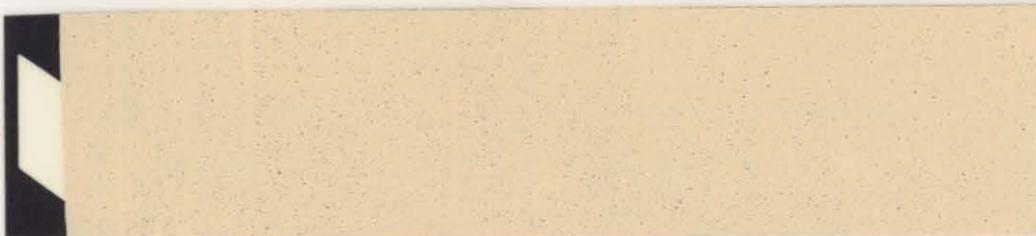
HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel, University of SA W2 - 10:1



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel, University of SA W3 - 10:1



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel, University of SA W4 - 10:1



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel, University of SA W5 - 10:1



HB 2/12 & 13 (SR04) with Haymes White Gloss Enamel, University of SA W6 - 10:1

141175

141176



HB 2/6-8 (SR05) with Haymes White Gloss Enamel (1.2g:12g) - 10:1



HB 2/6-8 (SR05) with Haymes White Gloss Enamel (1.2g:12g) - 10:1
Merz Australia P/L electro-polishing



HB 2/6-8 (SR05) with Haymes White Gloss Enamel (2.4g:12g) - 5:1
Merz Australia P/L electro-polishing

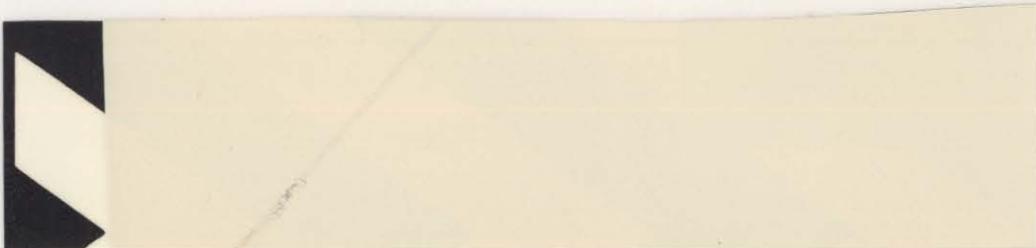


HB 2/6-8 (SR05) with Haymes White Gloss Enamel (4.8g:12g) - 2.5:1
Merz Australia P/L electro-polishing

141177



HB 3/2&3 (SR08) with Haymes White Gloss Enamel (1.2g:12g) - 10:1



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W1 - 10:1



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W2 - 10:1



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W~~3~~ - 10:1



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W~~3~~4 - 10:1

141178



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W5 - 10:1



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W6 - 10:1



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W7 - 10:1



HB 3/2&3 (SR08) with Haymes White Gloss Enamel, University SA W8 - 10:1

141179



Bowry Umber (SR50) with Haymes White Gloss Enamel (1.2g:12g) - 10:1



Bowry Umber (SR50) with Haymes White Gloss Enamel, University SA B1 - 10:1



Bowry Umber (SR50) with Haymes White Gloss Enamel, University SA B2 - 10:1



Bowry Umber (SR50) with Haymes White Gloss Enamel, University SA B3 - 10:1



Bowry Umber (SR50) with Haymes White Gloss Enamel, University SA B4 - 10:1



Bowry Umber (SR50) with Haymes White Gloss Enamel, University SA B5 - 10:1



Bowry Umber (SR50) with Haymes White Gloss Enamel, University SA B6 - 10:1



Bowry Umber (SR50) with Haymes White Gloss Enamel, University SA B7 - 10:1



Shackleford Bulk Sample with Haymes Gloss Enamel (1.2g:8g)



Shackleford Bulk Sample with Haymes Gloss Enamel (1.2g:8g) and wetter



Shackleford Bulk Sample with Haymes White Gloss Enamel (1.2:12) - 10:1



Shackleford Bulk Sample RED with Haymes Gloss Enamel (1.2g:8g)



Shackleford Bulk Sample RED with Haymes White Gloss Enamel (1.2g:12g) - 10:1

141182



HB2/6-8 (SR05) with Haymes Gloss Enamel (1.2g:8g) and wetter



HB2/6-8 (SR05), Haymes Gloss Enamel (1.2g:8g) and wetter, 6 mins ring roller



HB3/2 & 3 (SR08) with Haymes Gloss Enamel (1.2g:8g)



HB3/2 & 3 (SR08) with Haymes Gloss Enamel (1.2g:8g) and wetter



HB3/2 & 3 (SR08), Haymes Gloss Enamel (2.4g:16g) and wetter, 6 mins ring roller



SR 68 *o/f sediment* JC Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 68 *o/f o/f* JC Composite, Haymes Gloss Enamel (1.2:8), wetter, vacuumed dried



SR 68 *o/f o/f* JC Composite, Haymes Gloss Enamel (1.2:8), 40 sec ring roller



SR 68 *o/f o/f* JC Composite, Haymes Gloss Enamel (2.4:8), 40 sec ring roller



SR 68 *o/f o/f* JC Composite, Haymes Gloss Enamel (~~1.2~~:8), Jet Milled 40g/min
1.2

141184



SR 69 *o/f sediment* JD Composite, Haymes Gloss Enamel (1.2g:8g), wetter



R 69 *o/f o/f* JD Composite, Haymes Gloss Enamel (1.2:8), wetter, vacuumed dried



R 69 *o/f o/f* JD Composite, Haymes Gloss Enamel (1.2:8), 40 sec ring roller



SR 69 *o/f o/f* JD Composite, Haymes Gloss Enamel (2.4:8), 40 sec ring roller



SR 70 *o/f sediment* JE 3/1 & 2, Haymes Gloss Enamel (1.2g:8g), wetter



SR 70 *o/f o/f* JE 3/1 & 2, Haymes Gloss Enamel (1.2g:8g), wetter



SR 70 *o/f o/f* JD Composite, Haymes Gloss Enamel (1.2g:8g), Jet Milled 30g/min



SR 71 *o/f sediment* JE 4/2-4, Haymes Gloss Enamel (1.2g:8g), wetter



SR 71 *o/f o/f* JE 4/2-4, Haymes Gloss Enamel (1.2g:8g), wetter



SR 70 *o/f o/f* JE 4/2-4, Haymes Gloss Enamel (1.2g:8g), Jet Milled 30g/min

141186



SR 72 *o/f sediment* HZ 1 & 2 Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 72 *o/f o/f* HZ 1 & 2 Composite, Haymes Gloss Enamel (1.2g:8g), wetter



R 72 *o/f o/f* HZ 1 & 2 Composite, Haymes Gloss Enamel (1.2:8), Jet Mill 40g/min



R 72 *o/f o/f* HZ 1 & 2 Composite, Haymes Gloss Enamel (2.4:8), Jet Mill 40g/min



SR 73 *o/f sediment* HA 4 & 5 Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 73 *o/f o/f* HA 4 & 5 Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 73 *o/f o/f* HA 4 & 5 Composite, Haymes Gloss Enamel (1.2:8), Jet Mill 40g/min



SR 73 *o/f o/f* HA 4 & 5 Composite, Haymes Gloss Enamel (2.4:8), Jet Mill 40g/min



SR 74 *o/f sediment* HB 2 & 3 Composite, Haymes Gloss Enamel (1.2g:8g), wetter

141188



SR 74 *o/f o/f* HB 2 & 3 Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 74 *o/f o/f* HB 2 & 3 Composite, Haymes Gloss Enamel (1.2:8), Jet Mill 40g/min



SR 75 *o/f sediment* HD4 Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 75 *o/f o/f* HD4 Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 75 *o/f o/f* HD4 Composite, Haymes Gloss Enamel (1.2:8), Jet Mill 40g/min



SR 76 *o/f sediment* HQ Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 76 *o/f o/f* HQ Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 78 (rpt SR 68) *o/f sediment* JC Composite, Haymes Gloss Enamel (1.2:8)



SR 78 *o/f o/f* JC Composite, Haymes Gloss Enamel (1.2g:8g), wetter



SR 78 *o/f o/f* JC Comp, Haymes Gloss Enamel (1.2:8), wetter, Jet Mill 40g/min



SR 78 *o/f o/f* JC Comp, Haymes Gloss Enamel (2.4:8), wetter, Jet Mill 40g/min



SR 77 o/f sediment Bowry Umber, Haymes Gloss Enamel (1.2g:8g), wetter

141190



SR 77 o/f sediment Bowry Umber, Haymes Gloss Enamel (1.2g:8g), wetter, calcined @ 300 deg. with naptha



SR 77 o/f o/f Bowry Umber, Haymes Gloss Enamel (1.2g:8g), wetter



SR 77 o/f o/f Bowry Umber, Haymes Gloss Enamel (1.2g:8g), wetter, calcined @ 300 deg. with naptha



SR 77 o/f o/f Bowry Umber, Haymes Gloss Enamel (1.2:8) wetter Jet Mill 20g/min



SR 79 *o/f sediment 3rd blunge* Bowry Umber, Haymes Gloss Enamel (1.2:8), wetter



SR 79 *o/f o/f 1st blunge* Bowry Umber, Haymes Gloss Enamel (1.2g:8g), wetter



SR 79 *o/f o/f 2nd blunge* Bowry Umber, Haymes Gloss Enamel (1.2g:8g), wetter



SR 79 *o/f o/f 3rd blunge* Bowry Umber, Haymes Gloss Enamel (1.2g:8g), wetter



SR 80 *o/f sediment* Shackleford Bulk, Haymes Gloss Enamel (1.2g:8g), wetter



SR 80 *o/f o/f* Shackleford Bulk, Haymes Gloss Enamel (1.2g:8g), wetter



SR 81/81 *o/f o/f*, Haymes Gloss Enamel (1.2:8), wetter, Jet Mill



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 300 deg for 20 mins.



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 400 deg for 20 mins.



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 500 deg for 20 mins.

26192



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 600 deg for 20 mins



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 700 deg for 20 mins.



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 800 deg for 20 mins.



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 900 deg for 20 mins.



SR 81/83 *o/f o/f*, Haymes Gloss Enamel (1.2g:8g), wetter, Jet Mill, calcined @ 1000 deg for 20 mins.



Bayferrox 910 with Haymes *Clear* Gloss Enamel (1.2g:8g)



Bayferrox 910 with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Bayferrox 920 with Haymes *Clear* Gloss Enamel (1.2g:8g)



Bayferrox 920 with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Bayferrox 930 with Haymes *Clear* Gloss Enamel (1.2g:8g)

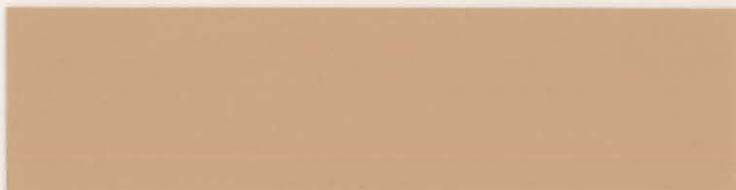


Bayferrox 930 with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1

141195



Bayferrox 940 with Haymes *Clear* Gloss Enamel (1.2g:8g)



Bayferrox 940 with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Bayferrox 415 with Haymes *Clear* Gloss Enamel (1.2g:8g)



Bayferrox 415 with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Pfizer YLO 2288D with Haymes *Clear* Gloss Enamel (1.2g:8g)



Pfizer YLO 2288D with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1

141196



F&S Alloys Yellow with Haymes *Clear* Gloss Enamel (1.2g:8g)



F&S Alloys Yellow with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Deanox AY50 Yellow with Haymes *Clear* Gloss Enamel (1.2g:8g)



Deanox AY50 Yellow with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Brazil Y25LQ Yellow with Haymes *Clear* Gloss Enamel (1.2g:8g)



Brazil Y25LQ Yellow with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1

141197



Hodgson Dyes Yellow with Haymes *Clear* Gloss Enamel (1.2g:8g)



Hodgson Dyes Yellow with Haymes White Gloss Enamel (1.2g:12g) - 10:1



Burnt Umber (?) Harcross ex Cyprus with Haymes *Clear* Gloss Enamel (1.2g:8g)



Burnt Umber (?) Harcross ex Cyprus with Haymes White Gloss Enamel (1.2:12)-10:1



Bayferrox 686 with Haymes *Clear* Gloss Enamel (1.2g:8g)



Bayferrox 686 with Haymes White Gloss Enamel (1.2g:12g) - 10:1

141198



Spanish Red Superfine with Haymes *Clear* Gloss Enamel (1.2g:8g)



Spanish Red Superfine with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



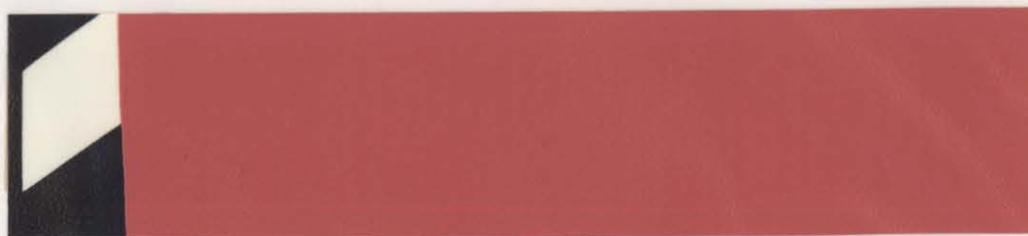
Spanish Red Micronised MR II with Haymes *Clear* Gloss Enamel (1.2g:8g)



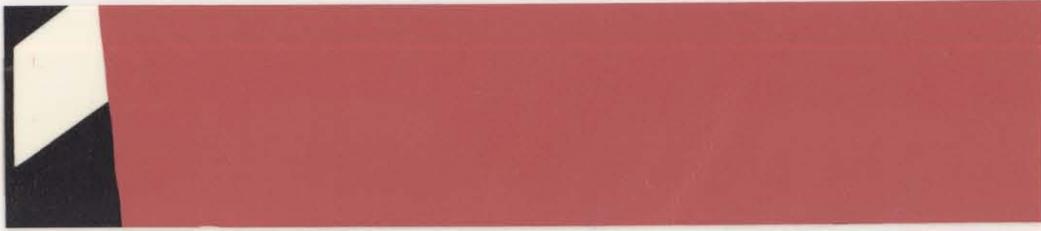
Spanish Red Micronised MR II with Haymes *White* Gloss Enamel (1.2:12)-10:1



Chinese Red Sinox 111 with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Chinese Red Sinox 157 with Haymes *White* Gloss Enamel (1.2g:12g) - 10:1



Bayer 110 with Haymes White Gloss Enamel (1.2g:12g) - 10:1



F&S Alloys Red with Haymes White Gloss Enamel (1.2g:12g) - 10:1

141199