

HAT CREEK
ALTERNATIVE BENEFICIATION REPORT
(DRAFT - DECEMBER 1977)

APPENDIX III - COAL
CLEANING PREDICTIONS

APPENDIX III

COAL CLEANING PREDICTIONS

SECTION I - Introduction

SECTIONS II - VI - Computer Printouts for Samples A,B,C,X+Y and Z respectively.

Within Each Section are the following Printouts:

Given Washability Data, including Composite Data.

Washing - Dense Medium Bath

Washing - Dense Medium Cyclone

Washing - Water Only Cyclones

Washing - Baum Jig

Dry Cleaning

Composite of Predictions - "Optimize"

APPENDIX III

COAL CLEANING PREDICTIONS

SECTION I - INTRODUCTION

1. Use of Washability and Partition Curves

The relationship between the ash content and the theoretical amount of floats or clean coal produced at any particular specific gravity washing can be represented by graphs called Washability Curves.

Throughout the development of Coal Preparation Technology, various methods of examining and defining coal washability characteristics and predicting the washing results have been developed using techniques involving the use of these Washability Curves, Partition Curves and the application of these curves to the practical aspect of coal washing.

The clean coal yield and ash content for washing at a particular specific gravity can be obtained from the Washability Curves at Cumulative Yield versus Specific Gravity and Cumulative Ash versus Specific Gravity (Fig.1).

The results obtained from these curves would be for an ideal separation with no misplaced material, i.e. all particles with a specific gravity greater than the cut point would sink and particles with a specific gravity less than the cut point would float.

The probability of a particle of a certain specific gravity floating at that gravity can be determined by comparing a partition curve for the ideal separation and to the partition curve obtained in the practical separation (Fig.2).

The specific gravity corresponding to a Partition Coefficient of 50 is known as the Partition Density.

The efficiency of any washing process can be represented by the value of E_p (Ecart Probable Moyen) obtained from the partition curve of the washing results. E_p is defined as half the difference between the specific gravity values corresponding to the partition coefficient values of 25 and 75.

The value of E_p used depends on the type of cleaning equipment utilized and also the size range of the material being cleaned. The shape of this curve also varies between processes, and between equipment designs.

APPENDIX III

COAL CLEANING PREDICTIONS

SECTION I - INTRODUCTION

1. Use of Washability and Partition Curves - cont.

The prediction of the clean coal yield and quality from a given process is obtained by multiplying the Partition Coefficient of each specific gravity fraction by the amount of material in that fraction and so determining the proportion of each fraction that will float and sink. The summation of the incremental floats and the respective ash values will give the clean coal yield and its ash content.

As with all data, the degree of accuracy is proportional to the amount of data available. The accuracy of the prediction is therefore proportional to the number of specific gravity fractions.

Although the predictions can be done directly on the washability data, when using a computer program, to obtain the required accuracy, when insufficient specific gravity fractions are reported, an interpolation between the given washability points is done before performing the prediction calculations.

When two or more variable processes are used to make up the washing plant, the overall yield is maximized to obtain a specific clean coal ash content.

2. Definitions

On the prediction print outs there are some terms used which must be defined:-

Yield Error: The difference between the actual yield obtained and that theoretically possible from an ideal separation for a product of the same ash content.

Ash Error: The difference between the ash content obtained in the clean coal and the ash content of the reconstituted raw coal corresponding to the yield.

Organic Efficiency: The actual yield obtained expressed as a percentage of the yield theoretically possible for a clean coal of the same ash content.

APPENDIX III

COAL CLEANING PREDICTIONS

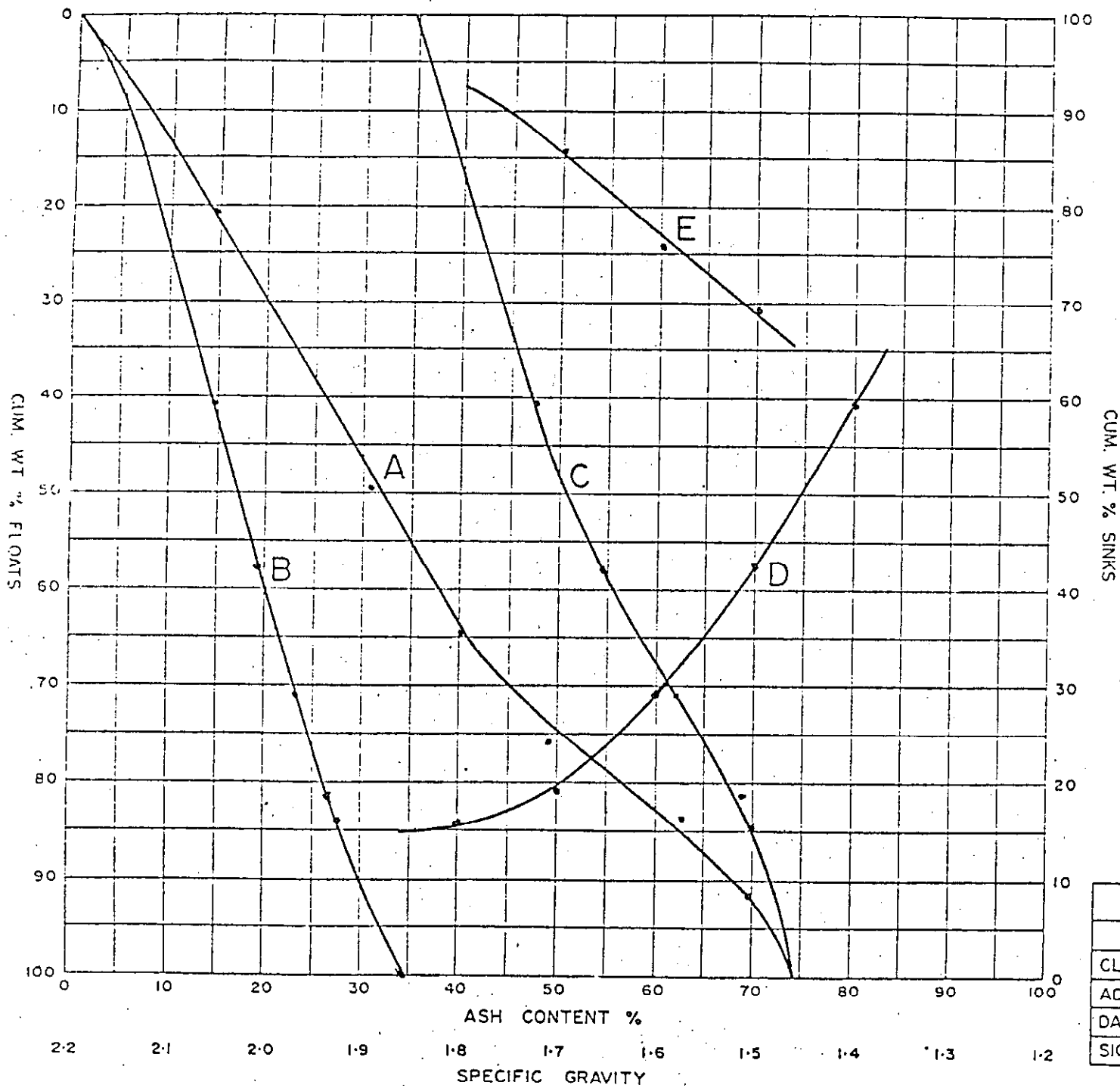
SECTION I - INTRODUCTION

3. Simon-Carves Computer Programs

The computer programs used by Simon-Carves for coal preparation predictions are:-

- 3.1 'Curves' - this program uses the input of given washability data, together with interpolations to obtain the cumulative yield and instantaneous ash curves, which are extrapolated to cover the entire applicable specific gravity range.
- 3.2 'Composite' - this program composites two or more sets of washability data in the ratios entered by the user.
- 3.3 'Predict' - this program recovers the instantaneous ash and cumulative yield curves for a specified set of washability data as calculated by the program 'curves'. A prediction of performance is made based on the type of process and raw coal size analysis. Both primary wash predictions and secondary wash predictions can be made using the same process or an alternative one.
- 3.4 'Approxpre' - this program does predictions on coal washability data without interpolating or extrapolating the given data. The degree of accuracy of the predictions is proportional to the number of s.g. fractions in the given data. As in 'predict' both primary wash and rewash are possible.
- 3.5 'Optimize' - this program calculates the maximum yield obtainable for a specified overall clean coal ash content where there are two or three varying processes.

THE CLASSICAL WASHABILITY CURVES



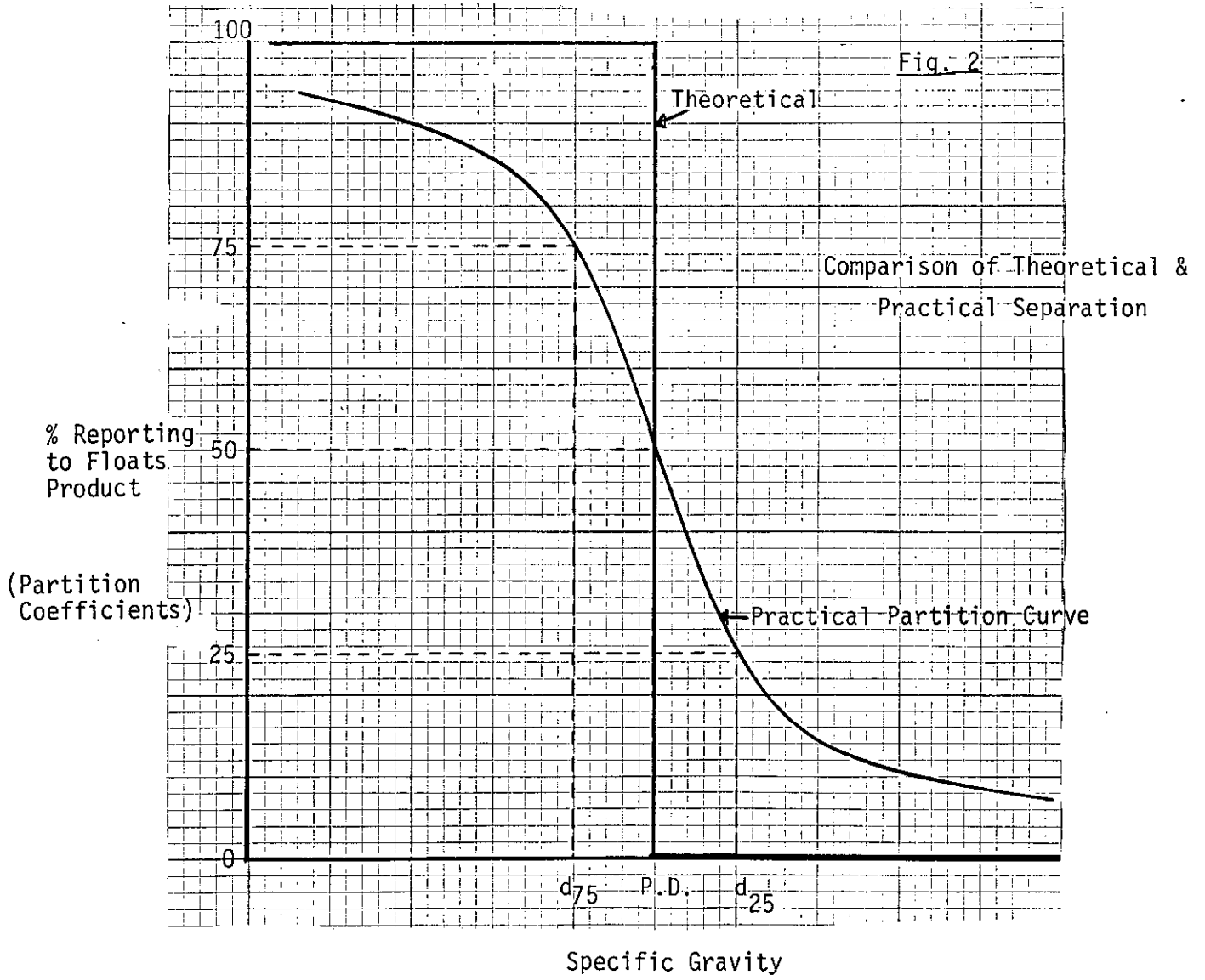
- A Primary Curve
- B Clean Coal Curve
- C Discard Curve
- D Specific Gravity-Yield Curve
- E ± 0.1 S. G. Distribution Curve

FIGURE 1

BIRTLEY ENGINEERING (CANADA) LTD	
COAL SCIENCE & MINERALS TESTING	
CLIENT	B. C. HYDRO LAB 7368
ADIT/SEAM NO.	SAMPLE B 3/4" x 28 M
DATE	JUL. 21/1976
SIGNED	K. M. LAU

SECTION

2



** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 503
DATA SET NAME: HAT CREEK A 2x1

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	18.10	18.10	7.90	7.90
1.300 - 1.350	8.90	27.00	20.30	11.99
1.350 - 1.400	16.30	43.30	26.60	17.49
1.400 - 1.450	12.40	55.70	40.00	22.50
1.450 - 1.500	5.30	61.00	45.50	24.50
1.500 - 1.600	8.40	69.40	51.80	27.80
1.600 - 1.700	6.80	76.20	65.90	31.20
1.700 - 1.800	10.10	86.30	72.20	36.00
1.800 - 1.900	4.20	90.50	81.20	38.10
1.900 - 2.800	9.50	100.00	93.90	43.40

HEAD ASH OF WASHABILITY DATA = 43.40
(HEAD ASH OF BULK SAMPLE = 42.90)

** S I M O N - C A R V E S O F C A N A D A **

DATA SET NUMBER: 505
DATA SET NAME: HAT CREEK A 1x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	14.60	14.60	7.40	7.40
1.300 - 1.350	10.30	24.90	19.00	12.20
1.350 - 1.400	11.90	36.80	25.50	16.50
1.400 - 1.450	10.80	47.60	37.20	21.20
1.450 - 1.500	14.40	62.00	47.50	27.31
1.500 - 1.600	7.50	69.50	58.80	30.70
1.600 - 1.700	9.30	78.80	63.70	34.60
1.700 - 1.800	9.90	88.70	78.50	39.50
1.800 - 1.900	6.80	95.50	92.90	43.30
1.900 - 2.800	4.50	100.00	96.60	45.70

HEAD ASH OF WASHABILITY DATA = 45.70
(HEAD ASH OF BULK SAMPLE = 45.10)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507
DATA SET NAME: HAT CRK A 1/2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	17.10	17.10	8.20	8.20
1.300 - 1.350	7.10	24.20	17.10	10.81
1.350 - 1.400	13.20	37.40	27.50	16.70
1.400 - 1.450	7.60	45.00	35.00	19.79
1.450 - 1.500	1.20	46.20	39.40	20.30
1.500 - 1.600	16.90	63.10	46.80	27.40
1.600 - 1.700	7.40	70.50	61.70	31.00
1.700 - 1.800	8.60	79.10	62.30	34.40
1.800 - 1.900	10.30	89.40	74.30	39.00
1.900 - 2.800	10.60	100.00	92.80	44.70

HEAD ASH OF WASHABILITY DATA = 44.70
(HEAD ASH OF BULK SAMPLE = 44.30)

** S I M O N - C A R V E S O F C A N A D A **

DATA SET NUMBER: 509
DATA SET NAME: HAT CRK A 1/4x1/8

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	11.60	11.60	7.50	7.50
1.300 - 1.350	10.40	22.00	17.00	11.99
1.350 - 1.400	8.40	30.40	24.30	15.39
1.400 - 1.450	7.00	37.40	29.90	18.11
1.450 - 1.500	5.20	42.60	42.60	21.10
1.500 - 1.600	12.40	55.00	43.70	26.19
1.600 - 1.700	12.00	67.00	59.70	32.19
1.700 - 1.800	10.40	77.40	68.00	37.01
1.800 - 1.900	12.40	89.80	80.40	43.00
1.900 - 2.800	10.20	100.00	92.00	48.00

HEAD ASH OF WASHABILITY DATA = 48.00
(HEAD ASH OF BULK SAMPLE = 47.90)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 511
DATA SET NAME: HAT CRK A 1/8x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	4.40	4.40	7.40	7.40
1.300 - 1.350	6.10	10.50	15.30	11.99
1.350 - 1.400	6.00	16.50	20.50	15.08
1.400 - 1.450	4.20	20.70	27.50	17.60
1.450 - 1.500	7.10	27.80	31.70	21.20
1.500 - 1.600	10.70	38.50	41.70	26.90
1.600 - 1.700	11.90	50.40	52.70	32.99
1.700 - 1.800	23.70	74.10	65.80	43.49
1.800 - 1.900	7.70	81.80	80.80	47.00
1.900 - 2.800	18.20	100.00	81.10	53.20

HEAD ASH OF WASHABILITY DATA = 53.20
(HEAD ASH OF BULK SAMPLE = 54.20)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 513
DATA SET NAME: HAT CRK A 28x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	2.60	2.60	11.50	11.50
1.400 - 1.450	3.40	6.00	15.90	13.99
1.450 - 1.500	4.70	10.70	25.40	19.00
1.500 - 1.600	9.80	20.50	35.50	26.89
1.600 - 1.700	8.50	29.00	46.00	32.49
1.700 - 1.800	12.00	41.00	56.10	39.40
1.800 - 1.900	19.10	60.10	75.60	50.91
1.900 - 2.800	39.90	100.00	95.00	68.50

HEAD ASH OF WASHABILITY DATA = 68.50
(HEAD ASH OF BULK SAMPLE = 63.80)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 539
DATA SET NAME: HAT CREEK A 2x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	16.04	16.04	7.63	7.63
1.300 - 1.350	9.73	25.77	19.49	12.11
1.350 - 1.400	13.71	39.48	26.04	16.95
1.400 - 1.450	11.46	50.94	38.44	21.78
1.450 - 1.500	10.66	61.60	47.09	26.16
1.500 - 1.600	7.87	69.47	55.73	29.51
1.600 - 1.700	8.27	77.74	64.44	33.23
1.700 - 1.800	9.98	87.72	75.88	38.08
1.800 - 1.900	5.73	93.45	89.39	41.23
1.900 - 2.800	6.55	100.00	94.99	44.75

HEAD ASH OF WASHABILITY DATA = 44.75
(HEAD ASH OF BULK SAMPLE = 44.75)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 545
DATA SET NAME: HAT CREEK A 2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	16.33	16.33	7.80	7.80
1.300 - 1.350	8.99	25.32	18.96	11.76
1.350 - 1.400	13.57	38.89	26.43	16.88
1.400 - 1.450	10.38	49.27	37.74	21.28
1.450 - 1.500	8.02	57.29	46.77	24.84
1.500 - 1.600	10.39	67.68	51.67	28.96
1.600 - 1.700	8.03	75.71	63.74	32.65
1.700 - 1.800	9.60	85.31	72.48	37.13
1.800 - 1.900	7.01	92.32	83.19	40.63
1.900 - 2.800	7.68	100.00	94.15	44.74

HEAD ASH OF WASHABILITY DATA = 44.74
(HEAD ASH OF BULK SAMPLE = 44.74)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 551
DATA SET NAME: HAT CREEK A 2x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	10.60	10.60	7.68	7.68
1.300 - 1.350	8.00	18.60	17.40	11.86
1.350 - 1.400	9.60	28.20	24.59	16.19
1.400 - 1.450	7.27	35.47	34.09	19.86
1.450 - 1.500	7.20	42.67	40.07	23.27
1.500 - 1.600	10.83	53.50	46.13	27.90
1.600 - 1.700	10.26	63.76	57.64	32.68
1.700 - 1.800	15.63	79.39	67.77	39.59
1.800 - 1.900	8.13	87.52	81.58	43.49
1.900 - 2.800	12.48	100.00	85.90	48.79

HEAD ASH OF WASHABILITY DATA = 48.79
(HEAD ASH OF BULK SAMPLE = 48.79)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 557
DATA SET NAME: HAT CR A 1/4x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	5.13	5.13	7.45	7.45
1.300 - 1.400	11.76	16.89	18.44	15.10
1.400 - 1.450	4.66	21.55	26.68	17.61
1.450 - 1.500	6.23	27.78	32.78	21.01
1.500 - 1.600	10.90	38.68	41.14	26.68
1.600 - 1.700	11.28	49.96	53.36	32.71
1.700 - 1.800	18.58	68.54	64.88	41.43
1.800 - 1.900	10.89	79.43	78.97	46.57
1.900 - 2.800	20.57	100.00	87.39	54.97

HEAD ASH OF WASHABILITY DATA = 54.97
(HEAD ASH OF BULK SAMPLE = 54.97)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 563
DATA SET NAME: HAT CRK A 1/4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	6.34	6.34	7.45	7.45
1.300 - 1.350	7.26	13.60	15.96	11.99
1.350 - 1.400	6.65	20.25	21.79	15.21
1.400 - 1.450	4.95	25.20	28.41	17.80
1.450 - 1.500	6.59	31.79	34.01	21.16
1.500 - 1.600	11.16	42.95	42.30	26.65
1.600 - 1.700	11.93	54.88	54.59	32.73
1.700 - 1.800	20.11	74.99	66.11	41.68
1.800 - 1.900	8.96	83.95	80.65	45.84
1.900 - 2.800	16.05	100.00	82.96	51.80

HEAD ASH OF WASHABILITY DATA = 51.80
(HEAD ASH OF BULK SAMPLE = 51.80)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 539
 DATA SET NAME: HAT CREEK A 2x1/2
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	16.04	16.04	7.63	7.63	100.00	16.04	.00
1.300 1.350	9.73	25.77	19.49	12.11	99.92	9.72	.01
1.350 1.400	13.71	39.48	26.04	16.95	98.76	13.54	.17
1.400 1.450	11.46	50.94	38.44	21.78	96.51	11.06	.40
1.450 1.500	10.66	61.60	47.09	26.16	74.38	7.93	2.73
1.500 1.600	7.87	69.47	55.73	29.51	15.84	1.18	6.69
1.600 1.700	8.27	77.74	64.44	33.23	4.86	.40	7.87
1.700 1.800	9.98	87.72	75.88	38.08	1.60	.16	9.82
1.800 1.900	5.73	93.45	89.39	41.23	.06	.00	5.73
1.900 2.800	6.55	100.00	94.99	44.75	.00	.00	6.55

HEAD ASH OF WASHABILITY DATA = 44.75

PROCESS: HEAVY MEDIUM BATH

F1 = 1.045	PREDICTED YIELD	60.04%	YIELD ERROR	1.42%
F2 = 1.200	ASH	26.10%	ASH ERROR	.58%
PD = 1.500	PREDICTED REJECTS	39.96%	ORGANIC EFFICIENCY	97.69%
EP = .0257	ASH	72.76%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 539
 DATA SET NAME: HAT CREEK A 2x1/2
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	16.04	7.63	7.63	100.00	16.04	.00
1.300	1.350	9.73	19.49	12.11	100.00	9.73	.00
1.350	1.400	13.71	26.04	16.95	99.99	13.71	.00
1.400	1.450	11.46	38.44	21.78	99.24	11.37	.09
1.450	1.500	10.66	47.09	26.16	97.87	10.43	.23
1.500	1.600	7.87	55.73	29.51	86.70	6.82	1.05
1.600	1.700	8.27	64.44	33.23	17.57	1.45	6.82
1.700	1.800	9.98	75.88	38.08	6.35	.63	9.35
1.800	1.900	5.73	89.39	41.23	2.75	.16	5.57
1.900	2.800	6.55	94.99	44.75	.00	.00	6.55

HEAD ASH OF WASHABILITY DATA = 44.75

PROCESS: HEAVY MEDIUM BATH

F1 = 1.045	PREDICTED YIELD	70.35%	YIELD ERROR	.93%
F2 = 1.200	ASH	30.33%	ASH ERROR	.42%
	PREDICTED REJECTS	29.65%	ORGANIC EFFICIENCY	98.69%
PD = 1.600	ASH	78.97%		
EP = .0316				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 539

DATA SET NAME: HAT CREEK A 2x1/2

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	16.04	16.04	7.63	7.63	100.00	16.04	.00
1.300 1.350	9.73	25.77	19.49	12.11	100.00	9.73	.00
1.350 1.400	13.71	39.48	26.04	16.95	100.00	13.71	.00
1.400 1.450	11.46	50.94	38.44	21.78	100.00	11.46	.00
1.450 1.500	10.66	61.60	47.09	26.16	99.55	10.61	.05
1.500 1.600	7.87	69.47	55.73	29.51	97.92	7.71	.16
1.600 1.700	8.27	77.74	64.44	33.23	82.15	6.79	1.48
1.700 1.800	9.98	87.72	75.88	38.08	20.08	2.00	7.98
1.800 1.900	5.73	93.45	89.39	41.23	7.60	.44	5.29
1.900 2.800	6.55	100.00	94.99	44.75	.00	.00	6.55

HEAD ASH OF WASHABILITY DATA = 44.75

PROCESS: HEAVY MEDIUM BATH

F1 = 1.045

F2 = 1.200

PD = 1.700

EP = .0375

PREDICTED YIELD 78.49%

ASH 33.99%

PREDICTED REJECTS 21.51%

ASH 84.02%

YIELD ERROR .81%

ASH ERROR .39%

ORGANIC EFFICIENCY 98.98%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 539

DATA SET NAME: HAT CREEK A 2x1/2

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	16.04	16.04	7.63	7.63	100.00	16.04	.00
1.300 1.350	9.73	25.77	19.49	12.11	100.00	9.73	.00
1.350 1.400	13.71	39.48	26.04	16.95	100.00	13.71	.00
1.400 1.450	11.46	50.94	38.44	21.78	100.00	11.46	.00
1.450 1.500	10.66	61.60	47.09	26.16	100.00	10.66	.00
1.500 1.600	7.87	69.47	55.73	29.51	99.40	7.82	.05
1.600 1.700	8.27	77.74	64.44	33.23	97.43	8.06	.21
1.700 1.800	9.98	87.72	75.88	38.08	78.35	7.82	2.16
1.800 1.900	5.73	93.45	89.39	41.23	22.55	1.29	4.44
1.900 2.800	6.55	100.00	94.99	44.75	.33	.02	6.53

HEAD ASH OF WASHABILITY DATA = 44.75

PROCESS: HEAVY MEDIUM BATH

F1 = 1.045	PREDICTED YIELD	86.61%	YIELD ERROR	.62%
F2 = 1.200	ASH	37.84%	ASH ERROR	.30%
PD = 1.800	PREDICTED REJECTS	13.39%	ORGANIC EFFICIENCY	99.29%
EP = .0434	ASH	89.43%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507
 DATA SET NAME: HAT CRK A 1/2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	17.10	8.20	8.20	99.76	17.06	.04	
1.300	1.350	7.10	17.10	10.81	98.99	7.03	.07	
1.350	1.400	13.20	27.50	16.70	97.65	12.89	.31	
1.400	1.450	7.60	35.00	19.79	93.30	7.10	.50	
1.450	1.500	1.20	46.20	20.30	68.92	.83	.37	
1.500	1.600	16.90	46.80	27.40	18.44	3.12	13.70	
1.600	1.700	7.40	61.70	31.00	6.79	.50	6.90	
1.700	1.800	8.60	62.30	34.40	3.13	.27	8.33	
1.800	1.900	10.30	74.30	39.00	1.29	.13	10.17	
1.900	2.800	10.60	92.80	44.70	.00	.00	10.60	

HEAD ASH OF WASHABILITY DATA = 44.70

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	48.92%	YIELD ERROR	2.43%
F2 = 1.200	ASH	22.46%	ASH ERROR	1.02%
PD = 1.500	PREDICTED REJECTS	51.08%	ORGANIC EFFICIENCY	95.27%
EP = .0337	ASH	66.00%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507
 DATA SET NAME: HAT CRK A 1/2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	17.10	8.20	8.20	100.00	17.10	.00	
1.300	1.350	7.10	17.10	10.81	99.87	7.09	.01	
1.350	1.400	13.20	27.50	16.70	99.17	13.09	.11	
1.400	1.450	7.60	35.00	19.79	98.20	7.46	.14	
1.450	1.500	1.20	39.40	20.30	96.76	1.16	.04	
1.500	1.600	16.90	46.80	27.40	79.51	13.44	3.46	
1.600	1.700	7.40	61.70	31.00	21.76	1.61	5.79	
1.700	1.800	8.60	62.30	34.40	8.47	.73	7.87	
1.800	1.900	10.30	74.30	39.00	4.59	.47	9.83	
1.900	2.800	10.60	92.80	44.70	.00	.00	10.60	

HEAD ASH OF WASHABILITY DATA = 44.70

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370
 F2 = 1.200

PREDICTED YIELD 62.16%
 ASH 27.95%
 PREDICTED REJECTS 37.84%
 ASH 72.21%

YIELD ERROR 2.08%
 ASH ERROR .95%
 ORGANIC EFFICIENCY 96.77%

PD = 1.600
 EP = .0414

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507

DATA SET NAME: HAT CRK A 1/2x1/4

DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	17.10	17.10	8.20	8.20	100.00	17.10	.00
1.300 1.350	7.10	24.20	17.10	10.81	100.00	7.10	.00
1.350 1.400	13.20	37.40	27.50	16.70	99.86	13.18	.02
1.400 1.450	7.60	45.00	35.00	19.79	99.28	7.55	.05
1.450 1.500	1.20	46.20	39.40	20.30	98.54	1.18	.02
1.500 1.600	18.90	63.10	46.80	27.40	96.84	16.37	.53
1.600 1.700	7.40	70.50	61.70	31.00	75.38	5.58	1.82
1.700 1.800	8.60	79.10	62.30	34.40	24.71	2.12	6.48
1.800 1.900	10.30	89.40	74.30	39.00	10.24	1.05	9.25
1.900 2.800	10.60	100.00	92.80	44.70	.15	.02	10.58

HEAD ASH OF WASHABILITY DATA = 44.70

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	71.25%	YIELD ERROR	.97%
F2 = 1.200	ASH	31.68%	ASH ERROR	.38%
PD = 1.700	PREDICTED REJECTS	28.75%	ORGANIC EFFICIENCY	98.66%
EP = .0492	ASH	76.97%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507
 DATA SET NAME: HAT CRK A 1/2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	17.10	17.10	8.20	8.20	100.00	17.10	.00
1.300 1.350	7.10	24.20	17.10	10.91	100.00	7.10	.00
1.350 1.400	13.20	37.40	27.50	16.70	100.00	13.20	.00
1.400 1.450	7.60	45.00	35.00	19.79	99.85	7.59	.01
1.450 1.500	1.20	46.20	39.40	20.30	99.37	1.19	.01
1.500 1.600	16.90	63.10	46.80	27.40	98.38	16.63	.27
1.600 1.700	7.40	70.50	61.70	31.00	95.48	7.07	.33
1.700 1.800	8.60	79.10	62.30	34.40	72.22	6.21	2.39
1.800 1.900	10.30	89.40	74.30	39.00	27.31	2.81	7.49
1.900 2.800	10.60	100.00	92.80	44.70	1.62	.17	10.43

HEAD ASH OF WASHABILITY DATA = 44.70

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	79.07%	YIELD ERROR	1.25%
F2 = 1.200	ASH	34.95%	ASH ERROR	.56%
PD = 1.800	PREDICTED REJECTS	20.93%	ORGANIC EFFICIENCY	98.44%
EP = .0542	ASH	81.55%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 563
 DATA SET NAME: HAT CRK A 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	6.34	6.34	7.45	7.45	96.25	6.10	.24
1.300	1.350	7.26	13.60	15.96	11.99	89.41	6.49	.77
1.350	1.400	6.65	20.25	21.79	15.21	64.13	4.26	2.39
1.400	1.450	4.95	25.20	28.41	17.80	35.68	1.77	3.18
1.450	1.500	6.59	31.79	34.01	21.16	11.96	.79	5.80
1.500	1.600	11.16	42.95	42.30	26.65	2.81	.31	10.85
1.600	1.700	11.93	54.88	54.59	32.73	1.42	.17	11.76
1.700	1.800	20.11	74.99	66.11	41.68	1.06	.21	19.90
1.800	1.900	8.96	83.95	80.65	45.84	.37	.03	8.93
1.900	2.800	16.05	100.00	82.96	51.80	.00	.00	16.05

HEAD ASH OF WASHABILITY DATA = 51.80
 AVERAGE S.G. FEED = 1.702
 AVERAGE S.G. FLOATS = 1.350
 AVERAGE S.G. SINKS = 1.790

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.277	PREDICTED YIELD	20.14%	YIELD ERROR	5.03%
F2 = 1.200	ASH	17.79%	ASH ERROR	2.63%
F3 = 1.060	PREDICTED REJECTS	79.86%	ORGANIC EFFICIENCY	80.03%
PD = 1.400	ASH	60.38%		
EP = .0452				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 563
 DATA SET NAME: HAT CRK A 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	6.34	6.34	7.45	7.45	98.87	6.27	.07
1.300 1.350	7.26	13.60	15.96	11.99	98.40	7.14	.12
1.350 1.400	6.65	20.25	21.79	15.21	96.15	6.39	.26
1.400 1.450	4.95	25.20	28.41	17.80	86.78	4.30	.65
1.450 1.500	6.59	31.79	34.01	21.16	62.88	4.14	2.45
1.500 1.600	11.16	42.95	42.30	26.65	24.80	2.77	8.39
1.600 1.700	11.93	54.88	54.59	32.73	3.41	.41	11.52
1.700 1.800	20.11	74.99	66.11	41.68	1.70	.34	19.77
1.800 1.900	8.96	83.95	80.65	45.84	1.14	.10	8.86
1.900 2.800	16.05	100.00	82.96	51.80	.00	.00	16.05

HEAD ASH OF WASHABILITY DATA = 51.80
 AVERAGE S.G. FEED = 1.702
 AVERAGE S.G. FLOATS = 1.390
 AVERAGE S.G. SINKS = 1.847

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.277	PREDICTED YIELD	31.87%	YIELD ERROR	3.68%
F2 = 1.200	ASH	23.01%	ASH ERROR	1.81%
F3 = 1.060	PREDICTED REJECTS	68.13%	ORGANIC EFFICIENCY	89.66%
PD = 1.500	ASH	65.26%		
EP = .0495				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 563
 DATA SET NAME: HAT CRK A 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G.	% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF	
FRACTION	FEED	OF	INST.	%	NUMBER	FEED	FEED	
		FEED	ASH	ASH		FLOATS	SINKS	
.000	1.300	6.34	7.45	7.45	99.37	6.30	.04	
1.300	1.350	7.26	15.96	11.99	99.05	7.19	.07	
1.350	1.400	6.65	21.79	15.21	98.85	6.57	.08	
1.400	1.450	4.95	28.41	17.80	97.89	4.85	.10	
1.450	1.500	6.59	34.01	21.16	95.11	6.27	.32	
1.500	1.600	11.16	42.30	26.65	73.31	8.18	2.98	
1.600	1.700	11.93	54.59	32.73	26.60	3.17	8.76	
1.700	1.800	20.11	66.11	41.68	4.20	.85	19.26	
1.800	1.900	8.96	80.65	45.84	2.06	.18	8.78	
1.900	2.800	16.05	82.96	51.80	.00	.00	16.05	

HEAD ASH OF WASHABILITY DATA = 51.80
 AVERAGE S.G. FEED = 1.702
 AVERAGE S.G. FLOATS = 1.436
 AVERAGE S.G. SINKS = 1.907

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.277	PREDICTED YIELD	43.56%	YIELD ERROR	3.21%
F2 = 1.200	ASH	28.60%	ASH ERROR	1.63%
F3 = 1.060	PREDICTED REJECTS	56.44%	ORGANIC EFFICIENCY	93.14%
PD = 1.600	ASH	69.70%		
EP = .0539				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 563
 DATA SET NAME: HAT CRK A 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	6.34	6.34	7.45	7.45	99.77	6.33	.01	
1.300 1.350	7.26	13.60	15.96	11.99	99.58	7.23	.03	
1.350 1.400	6.65	20.25	21.79	15.21	99.26	6.60	.05	
1.400 1.450	4.95	25.20	28.41	17.80	98.91	4.90	.05	
1.450 1.500	6.59	31.79	34.01	21.16	98.72	6.51	.08	
1.500 1.600	11.16	42.95	42.30	26.65	96.35	10.75	.41	
1.600 1.700	11.93	54.88	54.59	32.73	71.66	8.55	3.38	
1.700 1.800	20.11	74.99	66.11	41.68	28.20	5.67	14.44	
1.800 1.900	8.96	83.95	80.65	45.84	5.13	.46	8.50	
1.900 2.800	16.05	100.00	82.96	51.80	.08	.01	16.04	

HEAD ASH OF WASHABILITY DATA = 51.80
 AVERAGE S.G. FEED = 1.702
 AVERAGE S.G. FLOATS = 1.490
 AVERAGE S.G. SINKS = 1.982

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.277	PREDICTED YIELD	57.00%	YIELD ERROR	3.22%
F2 = 1.200	ASH	35.11%	ASH ERROR	1.44%
F3 = 1.060	PREDICTED REJECTS	43.00%	ORGANIC EFFICIENCY	94.65%
PD = 1.700	ASH	73.92%		
EP = .0583				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 563
 DATA SET NAME: HAT CRK A 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	6.34	6.34	7.45	7.45	99.96	6.34	.00	
1.300 1.350	7.26	13.60	15.96	11.99	99.87	7.25	.01	
1.350 1.400	6.65	20.25	21.79	15.21	99.68	6.63	.02	
1.400 1.450	4.95	25.20	28.41	17.80	99.42	4.92	.03	
1.450 1.500	6.59	31.79	34.01	21.16	99.09	6.53	.06	
1.500 1.600	11.16	42.95	42.30	26.65	98.79	11.03	.13	
1.600 1.700	11.93	54.88	54.59	32.73	95.54	11.40	.53	
1.700 1.800	20.11	74.99	66.11	41.68	70.21	14.12	5.99	
1.800 1.900	8.96	83.95	80.65	45.84	29.61	2.65	6.31	
1.900 2.800	16.05	100.00	82.96	51.80	.76	.12	15.93	

HEAD ASH OF WASHABILITY DATA = 51.80
 AVERAGE S.G. FEED = 1.702
 AVERAGE S.G. FLOATS = 1.540
 AVERAGE S.G. SINKS = 2.097

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.277	PREDICTED YIELD	70.99%	YIELD ERROR	2.63%
F2 = 1.200	ASH	41.07%	ASH ERROR	1.17%
F3 = 1.060	PREDICTED REJECTS	29.01%	ORGANIC EFFICIENCY	96.42%
PD = 1.800	ASH	78.04%		
EP = .0627				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 551
 DATA SET NAME: HAT CREEK A 2x2BM
 DATE: 22 JUN 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	10.60	7.68	7.68	87.29	9.25	1.35	
1.300	1.350	8.00	17.40	11.86	83.35	6.67	1.33	
1.350	1.400	9.60	24.59	16.19	75.22	7.22	2.38	
1.400	1.450	7.27	34.09	19.86	64.89	4.72	2.55	
1.450	1.500	7.20	40.07	23.27	54.33	3.91	3.29	
1.500	1.600	10.83	46.13	27.90	40.91	4.43	6.40	
1.600	1.700	10.26	57.64	32.68	25.15	2.58	7.68	
1.700	1.800	15.63	67.77	39.59	14.80	2.31	13.32	
1.800	1.900	8.13	87.52	43.49	8.28	.67	7.46	
1.900	2.800	12.48	100.00	48.79	.00	.00	12.48	

HEAD ASH OF WASHABILITY DATA = 48.79

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .885	PREDICTED YIELD	41.77%	YIELD ERROR	15.93%
F2 = 1.200	ASH	29.86%	ASH ERROR	7.01%
PD = 1.580	PREDICTED REJECTS	58.23%	ORGANIC EFFICIENCY	72.40%
EP = .1375	ASH	62.36%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 551
 DATA SET NAME: HAT CREEK A 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	10.60	7.68	7.68	91.74	9.72	.80
1.300	1.350	8.00	17.40	11.86	88.80	7.10	.90
1.350	1.400	9.60	24.59	16.19	85.10	8.17	1.43
1.400	1.450	7.27	34.09	19.86	79.53	5.78	1.49
1.450	1.500	7.20	40.07	23.27	71.88	5.18	2.02
1.500	1.600	10.83	46.13	27.70	57.45	6.22	4.61
1.600	1.700	10.26	57.64	32.68	42.29	4.34	5.92
1.700	1.800	15.63	67.77	39.59	27.74	4.34	11.29
1.800	1.900	8.13	87.52	43.49	18.04	1.47	6.66
1.900	2.800	12.48	100.00	85.90	48.79	.68	12.40

HEAD ASH OF WASHABILITY DATA = 48.79

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .885	PREDICTED YIELD	52.41%	YIELD ERROR	13.46%
F2 = 1.200	ASH	33.62%	ASH ERROR	6.18%
	PREDICTED REJECTS	47.59%	ORGANIC EFFICIENCY	79.56%
PD = 1.600	ASH	65.49%		
EP = .1621				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 551
 DATA SET NAME: HAT CREEK A 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	10.60	7.68	7.68	95.01	10.07	.53	
1.300	1.350	8.00	17.40	11.84	92.54	7.40	.60	
1.350	1.400	9.60	24.59	16.19	89.31	8.57	1.03	
1.400	1.450	7.27	34.09	19.86	86.22	6.27	1.00	
1.450	1.500	7.20	40.07	23.27	82.18	5.92	1.28	
1.500	1.600	10.83	48.13	27.90	72.68	7.87	2.96	
1.600	1.700	10.26	57.64	32.68	56.42	5.79	4.47	
1.700	1.800	15.63	67.77	39.59	43.30	6.77	8.86	
1.800	1.900	8.13	81.58	43.49	29.92	2.43	5.70	
1.900	2.800	12.48	85.90	48.79	4.22	.53	11.95	

HEAD ASH OF WASHABILITY DATA = 48.79

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .885	PREDICTED YIELD	61.62%	YIELD ERROR	11.43%
F2 = 1.200	ASH	36.79%	ASH ERROR	5.10%
PD = 1.700	PREDICTED REJECTS	38.38%	ORGANIC EFFICIENCY	84.36%
EP = .1866	ASH	68.05%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 551

DATA SET NAME: HAT CREEK A 2x28M

DATE: 22 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	10.60	10.60	7.68	7.68	97.18	10.30	.30
1.300 1.350	8.00	18.60	17.40	11.86	95.29	7.62	.38
1.350 1.400	9.60	28.20	24.59	16.19	92.58	8.89	.71
1.400 1.450	7.27	35.47	34.09	19.86	89.72	6.52	.75
1.450 1.500	7.20	42.67	40.07	23.27	87.01	6.26	.94
1.500 1.600	10.83	53.50	46.13	27.90	81.76	8.64	1.97
1.600 1.700	10.26	63.76	57.64	32.68	70.29	7.21	3.05
1.700 1.800	15.63	79.39	67.77	39.59	55.65	8.70	6.93
1.800 1.900	8.13	87.52	81.58	43.49	44.08	3.58	4.55
1.900 2.800	12.48	100.00	85.90	48.79	7.94	.99	11.49

HEAD ASH OF WASHABILITY DATA = 48.79

PROCESS: 24" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = .885
F2 = 1.200

PREDICTED YIELD 68.94%
ASH 39.09%
PREDICTED REJECTS 31.06%
ASH 70.30%

YIELD ERROR 9.32%
ASH ERROR 4.12%
ORGANIC EFFICIENCY 88.10%

PD = 1.800
EP = .2111

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 513

DATA SET NAME: HAT CRK A 28x100M

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.400	2.60	11.50	11.50	73.70	1.92	.68
1.400	1.450	3.40	15.90	13.99	63.57	2.16	1.24
1.450	1.500	4.70	25.40	19.00	54.04	2.54	2.16
1.500	1.600	9.60	35.50	26.89	41.53	4.07	5.73
1.600	1.700	8.50	46.00	32.49	26.34	2.24	6.26
1.700	1.800	12.00	56.10	39.40	16.22	1.95	10.05
1.800	1.900	19.10	75.60	50.91	9.44	1.80	17.30
1.900	2.800	39.90	95.00	68.50	.00	.00	39.90

HEAD ASH OF WASHABILITY DATA = 68.50

PROCESS: 10" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = .950

F2 = 1.200

Pd = 1.500

EP = .1476

PREDICTED YIELD 16.68%

ASH 36.81%

PREDICTED REJECTS 83.32%

ASH 74.84%

YIELD ERROR 19.83%

ASH ERROR 13.00%

ORGANIC EFFICIENCY 45.68%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 513
 DATA SET NAME: HAT CRK A 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.400	2.60	2.60	11.50	11.50	83.69	2.18	.42
1.400 1.450	3.40	6.00	15.90	13.99	77.71	2.64	.76
1.450 1.500	4.70	10.70	25.40	19.00	70.51	3.31	1.39
1.500 1.600	9.80	20.50	35.50	26.89	56.91	5.58	4.22
1.600 1.700	8.50	29.00	46.00	32.49	42.81	3.64	4.86
1.700 1.800	12.00	41.00	56.10	39.40	28.82	3.46	8.54
1.800 1.900	19.10	60.10	75.60	50.91	19.46	3.72	15.38
1.900 2.600	39.90	100.00	95.00	68.50	1.44	.57	39.33

HEAD ASH OF WASHABILITY DATA = 68.50

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	25.10%	YIELD ERROR	19.69%
F2 = 1.200	ASH	41.68%	ASH ERROR	11.76%
PD = 1.600	PREDICTED REJECTS	74.90%	ORGANIC EFFICIENCY	56.04%
EP = .1740	ASH	77.48%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 513
 DATA SET NAME: HAT CRK A 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.400	2.60	11.50	11.50	87.96	2.29	.31
1.400	1.450	3.40	15.90	13.99	84.89	2.89	.51
1.450	1.500	4.70	25.40	19.00	80.52	3.78	.92
1.500	1.600	9.80	35.50	26.89	71.32	6.99	2.81
1.600	1.700	8.50	46.00	32.49	55.96	4.76	3.74
1.700	1.800	12.00	56.10	39.40	43.76	5.25	6.75
1.800	1.900	19.10	75.60	50.91	31.09	5.94	13.16
1.900	2.800	39.90	95.00	68.50	5.23	2.09	37.81

HEAD ASH OF WASHABILITY DATA = 68.50

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	33.98%	YIELD ERROR	18.66%
F2 = 1.200	ASH	46.41%	ASH ERROR	11.05%
PD = 1.700	PREDICTED REJECTS	66.02%	ORGANIC EFFICIENCY	64.55%
EP = .2003	ASH	79.87%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 513
 DATA SET NAME: HAT CRK A 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA						PREDICTIONS		
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.400	2.60	2.60	11.50	11.50	90.91	2.34	.24
1.400	1.450	3.40	6.00	15.90	13.99	88.32	3.00	.40
1.450	1.500	4.70	10.70	25.40	19.00	85.72	4.03	.67
1.500	1.600	9.80	20.50	35.50	26.89	80.07	7.85	1.95
1.600	1.700	8.50	29.00	46.00	32.49	68.86	5.85	2.65
1.700	1.800	12.00	41.00	56.10	39.40	55.26	6.63	5.37
1.800	1.900	19.10	60.10	75.60	50.91	44.48	8.50	10.60
1.900	2.800	32.90	100.00	95.00	68.50	9.03	3.60	36.30

HEAD ASH OF WASHABILITY DATA = 68.50

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	41.83%	YIELD ERROR	16.39%
F2 = 1.200	ASH	49.77%	ASH ERRDR	9.87%
PD = 1.800	PREDICTED REJECTS	58.17%	ORGANIC EFFICIENCY	71.84%
EP = .2266	ASH	81.96%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 557

DATA SET NAME: HAT CR A 1/4x100M

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	5.13	5.13	7.45	7.45	84.67	4.34	.79
1.300 1.400	11.76	16.89	18.44	15.10	76.20	8.96	2.80
1.400 1.450	4.64	21.55	26.68	17.61	62.37	2.91	1.75
1.450 1.500	6.23	27.78	32.78	21.01	53.77	3.35	2.88
1.500 1.600	10.90	38.68	41.14	26.68	42.11	4.59	6.31
1.600 1.700	11.28	49.96	53.36	32.71	27.41	3.09	8.19
1.700 1.800	18.58	68.54	64.88	41.43	17.59	3.27	15.31
1.800 1.900	10.89	79.43	78.97	46.57	10.78	1.17	9.72
1.900 2.800	20.57	100.00	87.39	54.97	.00	.00	20.57

HEAD ASH OF WASHABILITY DATA = 54.97

PROCESS: 14" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = 1.019

F2 = 1.200

PD = 1.500

EP = .1584

PREDICTED YIELD 31.68%

ASH 32.93%

PREDICTED REJECTS 68.32%

ASH 65.19%

YIELD ERROR 18.76%

ASH ERROR 9.89%

ORGANIC EFFICIENCY 62.81%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 557
 DATA SET NAME: HAT CR A 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000	1.300	5.13	7.45	7.45	88.70	4.55	.58
1.300	1.400	11.76	18.44	15.10	84.41	9.93	1.83
1.400	1.450	4.66	26.68	17.61	75.96	3.54	1.12
1.450	1.500	6.23	32.78	21.01	69.11	4.31	1.92
1.500	1.600	10.90	41.14	26.68	56.42	6.15	4.75
1.600	1.700	11.28	49.96	32.71	43.30	4.88	6.40
1.700	1.800	18.58	64.88	41.43	29.92	5.56	13.02
1.800	1.900	10.89	78.97	46.57	20.94	2.28	8.61
1.900	2.800	20.57	87.39	54.97	2.24	.46	20.11

HEAD ASH OF WASHABILITY DATA = 54.97

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.019 PREDICTED YIELD 41.66%
 F2 = 1.200 ASH 37.14%
 PREDICTED REJECTS 58.34%
 PD = 1.600 ASH 67.70%
 EP = .1866

YIELD ERROR 17.76%
 ASH ERROR 8.87%
 ORGANIC EFFICIENCY 70.11%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 557
 DATA SET NAME: HAT CR A 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA						PREDICTIONS		
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	5.13	5.13	7.45	7.45	91.60	4.70	.43	
1.300 1.400	11.76	16.89	18.44	15.10	88.04	10.35	1.41	
1.400 1.450	4.66	21.55	26.68	17.61	83.47	3.89	.77	
1.450 1.500	6.23	27.78	32.78	21.01	78.75	4.91	1.32	
1.500 1.600	10.90	38.68	41.14	26.68	69.95	7.62	3.28	
1.600 1.700	11.28	49.96	53.33	32.71	55.58	6.27	5.01	
1.700 1.800	18.58	68.54	64.88	41.43	44.18	8.21	10.37	
1.800 1.900	10.89	79.43	78.97	46.57	32.28	3.51	7.38	
1.900 2.800	20.57	100.00	87.39	54.97	6.09	1.25	19.32	

HEAD ASH OF WASHABILITY DATA = 54.97

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.019	PREDICTED YIELD	50.71%	YIELD ERROR	16.03%
F2 = 1.200	ASH	40.58%	ASH ERROR	7.52%
PD = 1.700	PREDICTED REJECTS	49.29%	ORGANIC EFFICIENCY	75.99%
EP = .2148	ASH	69.77%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 557
 DATA SET NAME: HAT CR A 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	5.13	7.45	7.45	93.82	4.81	.32	
1.300	1.400	11.76	18.44	15.10	90.62	10.66	1.10	
1.400	1.450	4.66	26.68	17.61	87.05	4.06	.60	
1.450	1.500	6.23	32.78	21.01	84.37	5.26	.97	
1.500	1.600	10.90	41.14	26.68	78.28	8.53	2.37	
1.600	1.700	11.28	49.96	32.71	67.39	7.60	3.68	
1.700	1.800	18.58	64.88	41.43	54.90	10.20	8.38	
1.800	1.900	10.89	78.97	46.57	44.86	4.89	6.00	
1.900	2.800	28.57	87.39	54.97	10.32	2.12	18.45	

HEAD ASH OF WASHABILITY DATA = 54.97

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.019	PREDICTED YIELD	58.12%	YIELD ERROR	13.86%
F2 = 1.200	ASH	43.06%	ASH ERROR	6.52%
PD = 1.800	PREDICTED REJECTS	41.88%	ORGANIC EFFICIENCY	80.74%
EP = .2431	ASH	71.51%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 503
 DATA SET NAME: HAT CREEK A 2x1
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	18.10	7.90	7.90	98.63	17.85	.25	
1.300	1.350	8.90	20.30	11.99	94.19	8.38	.52	
1.350	1.400	16.30	26.60	17.49	81.05	13.21	3.09	
1.400	1.450	12.40	40.00	22.50	60.87	7.55	4.85	
1.450	1.500	5.30	45.50	24.50	39.71	2.10	3.20	
1.500	1.600	8.40	51.80	27.80	16.64	1.40	7.00	
1.600	1.700	6.80	65.90	31.20	3.80	.26	6.54	
1.700	1.800	10.10	72.20	36.00	.68	.07	10.03	
1.800	1.900	4.20	81.20	38.10	.11	.00	4.20	
1.900	2.800	9.50	93.90	43.40	.00	.00	9.50	

HEAD ASH OF WASHABILITY DATA = 43.40
 AVERAGE S.G. FEED = 1.550
 AVERAGE S.G. FLOATS = 1.353
 AVERAGE S.G. SINKS = 1.752

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1	PREDICTED YIELD	50.83%	YIELD ERROR	5.47%
IMPERFECTION = 0.112	ASH	22.72%	ASH ERROR	2.19%
F2 = 1.250	PREDICTED REJECTS	49.17%	ORGANIC EFFICIENCY	90.28%
PD = 1.450	ASH	64.77%		
EP = .0630				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 503
 DATA SET NAME: HAT CREEK A 2x1
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	10.10	7.90	7.90	99.93	18.09	.01
1.300	1.350	8.90	20.30	11.99	99.45	8.85	.05
1.350	1.400	16.30	26.60	17.49	96.77	15.77	.53
1.400	1.450	12.40	40.00	22.50	89.33	11.08	1.32
1.450	1.500	5.30	45.50	24.50	76.04	4.03	1.27
1.500	1.600	8.40	51.80	27.80	50.00	4.20	4.20
1.600	1.700	6.80	65.90	31.20	21.01	1.43	5.37
1.700	1.800	10.10	72.20	36.00	6.72	.68	9.42
1.800	1.900	4.20	81.20	38.10	1.78	.07	4.13
1.900	2.800	9.50	93.90	43.40	.00	.00	9.50

HEAD ASH OF WASHABILITY DATA = 43.40
 AVERAGE S.G. FEED = 1.550
 AVERAGE S.G. FLOATS = 1.380
 AVERAGE S.G. SINKS = 1.854

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1
 IMPERFECTION = 0.112 PREDICTED YIELD 64.20% YIELD ERROR 3.24%
 F2 = 1.250 ASH 27.03% ASH ERROR 1.27%
 PREDICTED REJECTS 35.80% ORGANIC EFFICIENCY 95.20%
 PD = 1.550 ASH 72.75%
 EP = .0770

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 503
 DATA SET NAME: HAT CREEK A 2x1
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	18.10	7.90	7.90	100.00	18.10	.00
1.300	1.350	8.90	20.30	11.99	99.96	8.90	.00
1.350	1.400	16.30	26.60	17.49	99.60	16.24	.06
1.400	1.450	12.40	40.00	22.50	97.99	12.15	.25
1.450	1.500	5.30	45.50	24.50	93.50	4.96	.34
1.500	1.600	8.40	51.80	27.80	78.99	6.64	1.76
1.600	1.700	6.80	65.90	31.20	50.00	3.40	3.40
1.700	1.800	10.10	72.20	36.00	24.49	2.47	7.63
1.800	1.900	4.20	81.20	38.10	9.77	.41	3.79
1.900	2.800	9.50	93.90	43.40	.02	.00	9.50

HEAD ASH OF WASHABILITY DATA = 43.40
 AVERAGE S.G. FEED = 1.550
 AVERAGE S.G. FLOATS = 1.406
 AVERAGE S.G. SINKS = 1.944

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1
 IMPERFECTION = 0.112 PREDICTED YIELD 73.26% YIELD ERROR 1.88%
 F2 = 1.250 ASH 30.67% ASH ERROR .94%
 PREDICTED REJECTS 26.74% ORGANIC EFFICIENCY 97.50%
 PD = 1.650 ASH 78.27%
 EP = .0910

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 503
 DATA SET NAME: HAT CREEK A 2x1
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	18.10	18.10	7.90	7.90	100.00	18.10	.00
1.300 1.350	8.90	27.00	20.30	11.99	100.00	8.90	.00
1.350 1.400	16.30	43.30	26.60	17.49	99.96	16.29	.01
1.400 1.450	12.40	55.70	40.00	22.50	99.69	12.36	.04
1.450 1.500	5.30	61.00	45.50	24.50	98.63	5.23	.07
1.500 1.600	8.40	69.40	51.80	27.80	93.28	7.84	.56
1.600 1.700	6.80	76.20	65.90	31.20	75.51	5.13	1.67
1.700 1.800	10.10	86.30	72.20	36.00	50.00	5.05	5.05
1.800 1.900	4.20	90.50	81.20	38.10	27.29	1.15	3.05
1.900 2.800	9.50	100.00	93.90	43.40	.23	.02	9.48

HEAD ASH OF WASHABILITY DATA = 43.40
 AVERAGE S.G. FEED = 1.550
 AVERAGE S.G. FLOATS = 1.429
 AVERAGE S.G. SINKS = 2.035

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1

IMPERFECTION = 0.112 PREDICTED YIELD 80.07%
 F2 = 1.250 ASH 33.64%
 PREDICTED REJECTS 19.93%
 PD = 1.750 ASH 82.62%
 EP = .1050

YIELD ERROR 1.25%
 ASH ERROR .60%
 ORGANIC EFFICIENCY 98.46%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 505
 DATA SET NAME: HAT CREEK A 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS		
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	14.60	7.40	7.40	97.72	14.27	.33
1.300	1.350	10.30	19.00	12.20	93.72	9.65	.65
1.350	1.400	11.90	25.50	16.50	84.68	10.08	1.82
1.400	1.450	10.80	37.20	21.20	71.83	7.76	3.04
1.450	1.500	14.40	47.50	27.31	57.24	8.24	6.16
1.500	1.600	7.50	58.80	30.70	36.73	2.76	4.74
1.600	1.700	9.30	63.70	34.60	17.54	1.63	7.67
1.700	1.800	9.90	78.50	39.50	7.47	.74	9.16
1.800	1.900	6.80	92.90	43.30	2.96	.20	6.60
1.900	2.800	4.50	96.60	45.70	.02	.00	4.50

HEAD ASH OF WASHABILITY DATA = 45.70
 AVERAGE S.G. FEED = 1.529
 AVERAGE S.G. FLOATS = 1.389
 AVERAGE S.G. SINKS = 1.702

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2
 IMPERFECTION = 0.152 PREDICTED YIELD 55.33% YIELD ERROR 8.99%
 F2 = 1.250 ASH 28.35% ASH ERROR 3.88%
 PREDICTED REJECTS 44.67% ORGANIC EFFICIENCY 86.02%
 PD = 1.500 ASH 67.18%
 EP = .0950

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 505
 DATA SET NAME: HAT CREEK A 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	14.60	7.40	7.40	99.60	14.54	.06	
1.300	1.350	10.30	19.00	12.20	98.54	10.15	.15	
1.350	1.400	11.90	25.50	16.50	95.27	11.34	.56	
1.400	1.450	10.80	37.20	21.20	89.00	9.61	1.19	
1.450	1.500	14.40	47.50	27.31	79.69	11.48	2.92	
1.500	1.600	7.50	58.80	30.70	62.15	4.66	2.84	
1.600	1.700	9.30	78.80	34.60	38.80	3.61	5.69	
1.700	1.800	9.90	88.70	39.50	21.37	2.12	7.78	
1.800	1.900	6.80	95.50	43.30	10.77	.73	6.07	
1.900	2.800	4.50	100.00	45.70	.20	.01	4.49	

HEAD ASH OF WASHABILITY DATA = 45.70
 AVERAGE S.G. FEED = 1.529
 AVERAGE S.G. FLOATS = 1.416
 AVERAGE S.G. SINKS = 1.771

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2

IMPERFECTION = 0.152 PREDICTED YIELD 68.24% YIELD ERROR 6.01%

F2 = 1.250 ASH 32.69% ASH ERROR 2.56%

PD = 1.600 PREDICTED REJECTS 31.76% ORGANIC EFFICIENCY 91.90%

EP = .1140 ASH 73.64%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 505

DATA SET NAME: HAT CREEK A 1x1/2

DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	14.60	14.60	7.40	7.40	99.93	14.59	.01
1.300 1.350	10.30	24.90	19.00	12.20	99.68	10.27	.03
1.350 1.400	11.90	36.80	25.50	16.50	98.68	11.74	.16
1.400 1.450	10.80	47.60	37.20	21.20	96.20	10.39	.41
1.450 1.500	14.40	62.00	47.50	27.31	91.61	13.19	1.21
1.500 1.600	7.50	69.50	58.80	30.70	80.44	6.03	1.47
1.600 1.700	9.30	78.80	63.70	34.60	60.39	5.62	3.68
1.700 1.800	9.90	88.70	78.50	39.50	40.31	3.99	5.91
1.800 1.900	6.80	95.50	92.90	43.30	24.50	1.67	5.13
1.900 2.800	4.50	100.00	96.60	45.70	.97	.04	4.46

HEAD ASH OF WASHABILITY DATA = 45.70

AVERAGE S.G. FEED = 1.529

AVERAGE S.G. FLOATS = 1.439

AVERAGE S.G. SINKS = 1.838

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2

IMPERFECTION = 0.152 PREDICTED YIELD 77.53%

YIELD ERROR 4.34%

F2 = 1.250 ASH 36.12%

ASH ERROR 2.05%

PREDICTED REJECTS 22.47%

ORGANIC EFFICIENCY 94.70%

PD = 1.700 ASH 78.76%

EP = .1330

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 505
 DATA SET NAME: HAT CREEK A 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	14.60	7.40	7.40	99.99	14.60	.00	
1.300	1.350	10.30	19.00	12.20	99.93	10.29	.01	
1.350	1.400	11.90	25.50	16.50	99.65	11.86	.04	
1.400	1.450	10.80	37.20	21.20	98.78	10.67	.13	
1.450	1.500	14.40	47.50	27.31	96.81	13.94	.46	
1.500	1.600	7.50	58.80	30.70	90.87	6.81	.69	
1.600	1.700	9.30	63.70	34.60	76.98	7.16	2.14	
1.700	1.800	9.90	78.50	39.50	59.08	5.85	4.05	
1.800	1.900	6.80	92.90	43.30	41.47	2.82	3.98	
1.900	2.800	4.50	96.60	45.70	3.14	.14	4.36	

HEAD ASH OF WASHABILITY DATA = 45.70
 AVERAGE S.G. FEED = 1.529
 AVERAGE S.G. FLOATS = 1.457
 AVERAGE S.G. SINKS = 1.906

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2

IMPERFECTION = 0.152 PREDICTED YIELD 84.14% YIELD ERROR 2.95%

F2 = 1.250 ASH 38.70% ASH ERROR 1.46%

PREDICTED REJECTS 15.86% ORGANIC EFFICIENCY 96.61%

PD = 1.800 ASH 82.83%

EP = .1520

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507
 DATA SET NAME: HAT CRK A 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	17.10	17.10	8.20	8.20	97.26	16.63	.47	
1.300 1.350	7.10	24.20	17.10	10.81	93.79	6.66	.44	
1.350 1.400	13.20	37.40	27.50	16.70	86.84	11.46	1.74	
1.400 1.450	7.60	45.00	35.00	19.79	77.44	5.89	1.71	
1.450 1.500	1.20	46.20	39.40	20.30	66.58	.80	.40	
1.500 1.600	16.90	63.10	46.80	27.40	50.00	8.45	8.45	
1.600 1.700	7.40	70.50	61.70	31.00	31.28	2.31	5.09	
1.700 1.800	6.60	79.10	62.30	34.40	18.24	1.57	7.03	
1.800 1.900	10.30	89.40	74.30	39.00	10.17	1.05	9.25	
1.900 2.800	10.60	100.00	92.80	44.70	.43	.05	10.55	

HEAD ASH OF WASHABILITY DATA = 44.70
 AVERAGE S.G. FEED = 1.596
 AVERAGE S.G. FLOATS = 1.408
 AVERAGE S.G. SINKS = 1.824

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 54.87% YIELD ERROR 8.90%

F2 = 1.250 ASH 27.72% ASH ERROR 3.78%

PREDICTED REJECTS 45.13% ORGANIC EFFICIENCY 86.04%

PD = 1.550 ASH 65.34%

EP = .1272

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507

DATA SET NAME: HAT CRK A 1/2x1/4

DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	17.10	17.10	8.20	8.20	99.20	16.96	.14
1.300 1.350	7.10	24.20	17.10	10.81	97.86	6.95	.15
1.350 1.400	13.20	37.40	27.50	16.70	94.60	12.49	.71
1.400 1.450	7.60	45.00	35.00	19.79	89.28	6.79	.81
1.450 1.500	1.20	46.20	39.40	20.30	82.03	.98	.22
1.500 1.600	16.90	63.10	46.80	27.40	68.72	11.61	5.29
1.600 1.700	7.40	70.50	61.70	31.00	50.00	3.70	3.70
1.700 1.800	8.60	79.10	62.30	34.40	33.79	2.91	5.69
1.800 1.900	10.30	89.40	74.30	39.00	21.66	2.23	8.07
1.900 2.800	10.60	100.00	92.80	44.70	1.63	.17	10.43

HEAD ASH OF WASHABILITY DATA = 44.70

AVERAGE S.G. FEED = 1.596

AVERAGE S.G. FLOATS = 1.436

AVERAGE S.G. SINKS = 1.890

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 64.79% YIELD ERROR 5.86%

F2 = 1.250 ASH 31.06% ASH ERROR 2.84%

PREDICTED REJECTS 35.21% ORGANIC EFFICIENCY 91.71%

PD = 1.650 ASH 69.81%

EP = .1503

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507
 DATA SET NAME: HAT CRK A 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	17.10	17.10	8.20	8.20	99.77	17.06
1.300	1.350	7.10	24.20	17.10	10.81	99.27	7.05
1.350	1.400	13.20	37.40	27.50	16.70	97.86	12.92
1.400	1.450	7.60	45.00	35.00	19.79	95.15	7.23
1.450	1.500	1.20	46.20	39.40	20.30	90.90	1.09
1.500	1.600	16.90	63.10	46.80	27.40	81.76	13.82
1.600	1.700	7.40	70.50	61.70	31.00	66.21	4.90
1.700	1.800	8.60	79.10	62.30	34.40	50.00	4.30
1.800	1.900	10.30	89.40	74.30	39.00	35.73	3.68
1.900	2.800	10.60	100.00	92.80	44.70	4.29	.46

HEAD ASH OF WASHABILITY DATA = 44.70
 AVERAGE S.G. FEED = 1.596
 AVERAGE S.G. FLOATS = 1.460
 AVERAGE S.G. SINKS = 1.953

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 72.50%

YIELD ERROR 4.86%

F2 = 1.250

ASH 33.71%

ASH ERROR 1.92%

PREDICTED REJECTS 27.50%

ORGANIC EFFICIENCY 93.72%

PD = 1.750

ASH 73.67%

EP = .1734

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 507
 DATA SET NAME: HAT CRK A 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	17.10	17.10	8.20	8.20	99.93	17.09	.01	
1.300 1.350	7.10	24.20	17.10	10.81	99.75	7.08	.02	
1.350 1.400	13.20	37.40	27.50	16.70	99.16	13.09	.11	
1.400 1.450	7.60	45.00	35.00	19.79	97.86	7.44	.16	
1.450 1.500	1.20	46.20	39.40	20.30	95.55	1.15	.05	
1.500 1.600	16.90	63.10	46.80	27.40	89.83	15.18	1.72	
1.600 1.700	7.40	70.50	61.70	31.00	78.34	5.80	1.60	
1.700 1.800	8.60	79.10	62.30	34.40	64.27	5.53	3.07	
1.800 1.900	10.30	89.40	74.30	39.00	50.00	5.15	5.15	
1.900 2.800	10.60	100.00	92.80	44.70	8.82	.94	9.66	

HEAD ASH OF WASHABILITY DATA = 44.70
 AVERAGE S.G. FEED = 1.596
 AVERAGE S.G. FLOATS = 1.481
 AVERAGE S.G. SINKS = 2.014

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4
 IMPERFECTION = 0.185 PREDICTED YIELD 78.43% YIELD ERROR 3.82%
 F2 = 1.250 ASH 35.81% ASH ERROR 1.67%
 PREDICTED REJECTS 21.57% ORGANIC EFFICIENCY 95.36%
 PD = 1.850 ASH 77.05%
 EP = .1966

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 509
 DATA SET NAME: HAT CRK A 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	11.60	11.60	7.50	7.50	97.58	11.32	.28
1.300 1.350	10.40	22.00	17.00	11.99	92.25	9.59	.81
1.350 1.400	8.40	30.40	24.30	15.39	84.97	7.14	1.26
1.400 1.450	7.00	37.40	29.90	18.11	75.70	5.30	1.70
1.450 1.500	5.20	42.60	42.60	21.10	65.40	3.40	1.80
1.500 1.600	12.40	55.00	43.70	26.19	50.00	6.20	6.20
1.600 1.700	12.00	67.00	59.70	32.19	32.58	3.91	8.09
1.700 1.800	10.40	77.40	68.00	37.01	20.10	2.09	8.31
1.800 1.900	12.40	89.80	80.40	43.00	11.97	1.48	10.92
1.900 2.800	10.20	100.00	92.00	48.00	.76	.08	10.12

HEAD ASH OF WASHABILITY DATA = 48.00
 AVERAGE S.G. FEED = 1.618
 AVERAGE S.G. FLOATS = 1.427
 AVERAGE S.G. SINKS = 1.813

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8
 IMPERFECTION = 0.200 PREDICTED YIELD 50.51% YIELD ERROR 11.40%
 F2 = 1.250 ASH 29.65% ASH ERROR 5.30%
 PREDICTED REJECTS 49.49% ORGANIC EFFICIENCY 81.59%
 PD = 1.550 ASH 66.72%
 EP = .1375

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 509
 DATA SET NAME: HAT CRK A 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	11.60	11.60	7.50	7.50	99.75	11.57	.03
1.300 1.350	10.40	22.00	17.00	11.99	98.81	10.28	.12
1.350 1.400	8.40	30.40	24.30	15.39	96.95	8.14	.26
1.400 1.450	7.00	37.40	29.90	18.11	93.76	6.56	.44
1.450 1.500	5.20	42.60	42.60	21.10	89.15	4.64	.56
1.500 1.600	12.40	55.00	43.70	26.19	79.90	9.91	2.49
1.600 1.700	12.00	67.00	59.70	32.19	65.05	7.81	4.19
1.700 1.800	10.40	77.40	68.00	37.01	50.00	5.20	5.20
1.800 1.900	12.40	89.80	80.40	43.00	36.76	4.56	7.84
1.900 2.800	10.20	100.00	92.00	48.00	5.61	.57	9.63

HEAD ASH OF WASHABILITY DATA = 48.00
 AVERAGE S.G. FEED = 1.618
 AVERAGE S.G. FLOATS = 1.484
 AVERAGE S.G. SINKS = 1.918

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8

IMPERFECTION = 0.200 PREDICTED YIELD 69.24% YIELD ERROR 7.00%

F2 = 1.250 ASH 36.47% ASH ERROR 3.24%

PREDICTED REJECTS 30.76% ORGANIC EFFICIENCY 90.82%

PD = 1.750 ASH 73.94%

EP = 1.875

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 509
 DATA SET NAME: HAT CRK A 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	11.60	11.60	7.50	7.50	99.92	11.59	.01
1.300	1.350	10.40	22.00	17.00	11.99	99.53	10.35	.05
1.350	1.400	8.40	30.40	24.30	15.39	98.65	8.29	.11
1.400	1.450	7.00	37.40	29.90	18.11	96.95	6.79	.21
1.450	1.500	5.20	42.60	42.60	21.10	94.21	4.90	.30
1.500	1.600	12.40	55.00	43.70	26.19	88.03	10.92	1.48
1.600	1.700	12.00	67.00	59.70	32.19	76.58	9.19	2.81
1.700	1.800	10.40	77.40	68.00	37.01	63.24	6.58	3.82
1.800	1.900	12.40	89.80	80.40	43.00	50.00	6.20	6.20
1.900	2.800	10.20	100.00	92.00	48.00	10.56	1.08	9.12

HEAD ASH OF WASHABILITY DATA = 48.00
 AVERAGE S.G. FEED = 1.618
 AVERAGE S.G. FLOATS = 1.506
 AVERAGE S.G. SINKS = 1.970

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8

IMPERFECTION = 0.200 PREDICTED YIELD 75.87%

YIELD ERROR 5.31%

F2 = 1.250 ASH 38.83%

ASH ERROR 2.53%

PREDICTED REJECTS 24.13%

ORGANIC EFFICIENCY 93.46%

PD = 1.850 ASH 76.81%

EP = .2125

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 511
 DATA SET NAME: HAT CRK A 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	4.40	4.40	7.40	7.40	95.08	4.18	.22	
1.300 1.350	6.10	10.50	15.30	11.99	90.70	5.53	.57	
1.350 1.400	6.00	16.50	20.50	15.08	83.22	4.99	1.01	
1.400 1.450	4.20	20.70	27.50	17.60	74.16	3.11	1.09	
1.450 1.500	7.10	27.80	31.70	21.20	64.38	4.57	2.53	
1.500 1.600	10.70	38.50	41.70	26.90	50.00	5.35	5.35	
1.600 1.700	11.90	50.40	52.70	32.99	33.73	4.01	7.89	
1.700 1.800	23.70	74.10	65.80	43.49	21.78	5.16	18.54	
1.800 1.900	7.70	81.80	80.80	47.00	13.69	1.05	6.65	
1.900 2.800	18.20	100.00	81.10	53.20	1.20	.22	17.98	

HEAD ASH OF WASHABILITY DATA = 53.20
 AVERAGE S.G. FEED = 1.732
 AVERAGE S.G. FLOATS = 1.497
 AVERAGE S.G. SINKS = 1.877

PROCESS: BAUM JIG
 SIZE RANGE: 1/8 x 28M
 IMPERFECTION = 0.215 PREDICTED YIELD 38.19% YIELD ERROR 16.09%
 F2 = 1.250 ASH 34.71% ASH ERROR 7.97%
 PREDICTED REJECTS 61.81% ORGANIC EFFICIENCY 70.36%
 PD = 1.550 ASH 64.63%
 EP = .1478

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 511
 DATA SET NAME: HAT CRK A 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	4.40	7.40	7.40	98.09	4.32	.08	
1.300	1.350	6.10	15.30	11.99	95.93	5.85	.25	
1.350	1.400	6.00	20.50	15.08	91.67	5.50	.50	
1.400	1.450	4.20	27.50	17.60	85.73	3.60	.60	
1.450	1.500	7.10	31.70	21.20	78.48	5.57	1.53	
1.500	1.600	10.70	41.70	26.90	66.27	7.09	3.61	
1.600	1.700	11.90	52.70	32.99	50.00	5.95	5.95	
1.700	1.800	23.70	65.80	43.49	35.95	8.52	15.18	
1.800	1.900	7.70	80.80	47.00	25.00	1.93	5.77	
1.900	2.800	18.20	81.10	53.20	3.30	.60	17.60	

HEAD ASH OF WASHABILITY DATA = 53.20
 AVERAGE S.G. FEED = 1.732
 AVERAGE S.G. FLOATS = 1.531
 AVERAGE S.G. SINKS = 1.924

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M
 IMPERFECTION = 0.215 PREDICTED YIELD 48.93% YIELD ERROR 13.93%
 F2 = 1.250 ASH 38.51% ASH ERROR 6.27%
 PREDICTED REJECTS 51.07% ORGANIC EFFICIENCY 77.84%
 PD = 1.650 ASH 67.28%
 EP = .1747

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 511
 DATA SET NAME: HAT CRK A 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	4.40	4.40	7.40	7.40	99.70	4.39	.01
1.300	1.350	6.10	10.50	15.30	11.99	99.22	6.05	.05
1.350	1.400	6.80	16.50	20.50	15.08	98.02	5.88	.12
1.400	1.450	4.20	20.70	27.50	17.60	95.93	4.03	.17
1.450	1.500	7.10	27.80	31.70	21.20	92.83	6.59	.51
1.500	1.600	10.70	38.50	41.70	26.90	86.31	9.24	1.46
1.600	1.700	11.90	50.40	52.70	32.99	75.00	8.92	2.98
1.700	1.800	23.70	74.10	65.80	43.49	62.35	14.78	8.92
1.800	1.900	7.70	81.80	80.80	47.00	50.00	3.85	3.85
1.900	2.800	18.20	100.00	81.10	53.20	12.24	2.23	15.97

HEAD ASH OF WASHABILITY DATA = 53.20
 AVERAGE S.G. FEED = 1.732
 AVERAGE S.G. FLOATS = 1.584
 AVERAGE S.G. SINKS = 2.018

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M

IMPERFECTION = 0.215 PREDICTED YIELD 65.95% YIELD ERROR 8.70%

F2 = 1.250 ASH 43.74% ASH ERROR 3.86%

PREDICTED REJECTS 34.05% ORGANIC EFFICIENCY 88.34%

PD = 1.850 ASH 71.54%

EP = .2284

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 545

DATA SET NAME: HAT CREEK A 2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000	1.300	16.33	7.80	7.80	91.25	14.90	1.43
1.300	1.350	8.99	18.96	11.76	85.07	7.65	1.34
1.350	1.400	13.57	26.43	16.88	75.62	10.26	3.31
1.400	1.450	10.38	37.74	21.28	65.25	6.77	3.61
1.450	1.500	8.02	46.77	24.84	54.92	4.40	3.62
1.500	1.600	10.39	51.67	28.96	40.91	4.25	6.14
1.600	1.700	8.03	63.74	32.65	26.33	2.11	5.92
1.700	1.800	9.60	85.31	37.13	16.39	1.57	8.03
1.800	1.900	7.01	92.32	40.63	10.02	.70	6.31
1.900	2.800	7.68	100.00	44.15	.83	.06	7.62

HEAD ASH OF WASHABILITY DATA = 44.74

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.500

EP = .1400

PREDICTED YIELD 52.69%

ASH 28.98%

PREDICTED REJECTS 47.31%

ASH 62.30%

YIELD ERROR 15.02%

ASH ERROR 6.18%

ORGANIC EFFICIENCY 77.82%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 545

DATA SET NAME: HAT CREEK A 2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	16.33	7.80	7.80	96.38	15.74	.59
1.300	1.350	8.99	18.96	11.76	93.05	8.37	.62
1.350	1.400	13.57	26.43	16.88	87.16	11.83	1.74
1.400	1.450	10.38	37.74	21.28	79.73	8.28	2.10
1.450	1.500	8.02	46.77	24.84	71.35	5.72	2.30
1.500	1.600	10.39	51.67	28.96	58.31	6.04	4.33
1.600	1.700	8.03	63.74	32.65	42.34	3.40	4.63
1.700	1.800	9.60	72.48	37.13	29.51	2.83	6.77
1.800	1.900	7.01	83.19	40.63	20.03	1.40	5.61
1.900	2.800	7.68	94.15	44.74	2.52	.19	7.49

HEAD ASH OF WASHABILITY DATA = 44.74

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.600

EP = .1680

PREDICTED YIELD 63.82%

ASH 32.03%

PREDICTED REJECTS 36.18%

ASH 67.16%

YIELD ERROR 10.54%

ASH ERROR 4.60%

ORGANIC EFFICIENCY 85.83%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 545
 DATA SET NAME: HAT CREEK A 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	16.33	7.80	7.80	98.50	16.08	.25
1.300	1.350	8.99	18.94	11.74	96.80	8.70	.29
1.350	1.400	13.57	26.43	16.88	93.40	12.67	.90
1.400	1.450	10.38	49.27	21.28	88.57	9.19	1.19
1.450	1.500	8.02	57.29	24.84	82.53	6.62	1.40
1.500	1.600	10.39	67.68	28.96	71.97	7.48	2.91
1.600	1.700	8.03	75.71	32.65	57.10	4.58	3.45
1.700	1.800	9.60	85.31	37.13	43.39	4.17	5.43
1.800	1.900	7.01	92.32	40.63	31.97	2.24	4.77
1.900	2.800	7.68	100.00	44.74	5.65	.43	7.25

HEAD ASH OF WASHABILITY DATA = 44.74

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.700

EP = .1960

PREDICTED YIELD 72.18%

ASH 34.50%

PREDICTED REJECTS 27.82%

ASH 71.32%

YIELD ERROR 7.49%

ASH ERROR 3.47%

ORGANIC EFFICIENCY 90.60%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 545
 DATA SET NAME: HAT CREEK A 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA						PREDICTIONS		
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
1.000	1.300	16.33	7.80	7.80	99.36	16.23	.10	
1.300	1.350	8.99	18.96	11.76	98.52	8.86	.13	
1.350	1.400	13.57	26.43	16.88	96.63	13.11	.46	
1.400	1.450	10.38	37.74	21.28	93.65	9.72	.66	
1.450	1.500	8.02	46.77	24.84	89.58	7.18	.84	
1.500	1.600	10.39	51.67	28.96	81.78	8.49	1.90	
1.600	1.700	8.03	63.74	32.65	69.18	5.56	2.47	
1.700	1.800	9.60	72.48	37.13	56.19	5.39	4.21	
1.800	1.900	7.01	83.19	40.63	44.19	3.10	3.91	
1.900	2.800	7.68	94.15	44.74	10.34	.79	6.89	

HEAD ASH OF WASHABILITY DATA = 44.74

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.800

EP = .2240

PREDICTED YIELD 78.43%
 ASH 36.47%
 PREDICTED REJECTS 21.57%
 ASH 74.83%

YIELD ERROR 5.45%
 ASH ERROR 2.55%
 ORGANIC EFFICIENCY 93.50%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

1-A

DATE: 19 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	65.80
TOTAL	3.50	.00	65.80

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 47.50% ROM

VARIABLE PROCESS 3: 14.00% ROM

H/M BATH +1/4

H/M CYCL 1/4 x 28M

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.500	56.90	25.20
1.600	68.10	29.70
1.700	76.50	33.40
1.800	84.50	37.10

PD	% YLD	% ASH
1.400	20.10	17.80
1.500	31.90	23.00
1.600	43.60	28.60
1.700	57.00	35.10
1.800	71.00	41.10

PD	% YLD	% ASH
1.500	16.70	36.80
1.600	25.10	41.70
1.700	34.00	46.40
1.800	41.80	49.80

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1-A

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.5

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	31.80	37.41	42.96	49.33	55.98
	% ASH	23.83	25.03	27.47	31.18	35.26
1.600	% YLD	35.72	41.33	46.88	53.25	59.90
	% ASH	26.98	27.65	29.57	32.76	36.40
1.700	% YLD	38.66	44.27	49.82	56.19	62.84
	% ASH	29.75	30.02	31.56	34.36	37.66
1.800	% YLD	41.46	47.07	52.62	58.99	65.64
	% ASH	32.64	32.55	33.74	36.17	39.14

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VARIABLE PROCESS 1: H/M BATH +1/4

1-A

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.6

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH	1.400	1.500	1.600	1.700	1.800
1.500 % YLD	32.98	38.58	44.14	50.50	57.15
% ASH	24.82	25.84	28.11	31.66	35.60
1.600 % YLD	36.90	42.50	48.06	54.42	61.07
% ASH	27.76	28.30	30.10	33.16	36.69
1.700 % YLD	39.84	45.44	51.00	57.36	64.01
% ASH	30.39	30.57	32.02	34.71	37.91
1.800 % YLD	42.64	48.24	53.80	60.16	66.81
% ASH	33.16	33.01	34.13	36.47	39.36

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1-A

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.7

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	34.22	39.83	45.39	51.75	58.40
	% ASH	26.08	26.90	28.97	32.33	36.11
1.600	% YLD	38.14	43.75	49.31	55.67	62.32
	% ASH	28.81	29.20	30.85	33.75	37.14
1.700	% YLD	41.08	46.69	52.25	58.61	65.26
	% ASH	31.28	31.35	32.68	35.24	38.33
1.800	% YLD	43.88	49.49	55.05	61.41	68.06
	% ASH	33.91	33.68	34.71	36.94	39.73

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1-A

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.8

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	35.31	40.92	46.48	52.84	59.49
	% ASH	27.28	27.90	29.81	33.00	36.63
1.600	% YLD	39.23	44.84	50.40	56.76	63.41
	% ASH	29.80	30.06	31.58	34.35	37.62
1.700	% YLD	42.17	47.78	53.34	59.70	66.35
	% ASH	32.14	32.11	33.34	35.78	38.76
1.800	% YLD	44.97	50.58	56.14	62.50	69.15
	% ASH	34.66	34.35	35.29	37.42	40.13

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1-A

OVERALL CLEAN COAL ASH CONTENT = 33.75

MAXIMUM YIELD = 55.66

VAR. PRDC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.600
2	H/M CYCL 1/4 x 28M	1.700
3	W/O CYCL 28M x 100M	1.700

OVERALL CLEAN COAL ASH CONTENT = 27.00

MAXIMUM YIELD = 41.89

VAR. PRDC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	H/M CYCL 1/4 x 28M	1.581
3	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 30.00

MAXIMUM YIELD = 47.86

VAR. PRDC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.595
2	H/M CYCL 1/4 x 28M	1.600
3	W/O CYCL 28M x 100M	1.600

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** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

2-A

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	65.80
TOTAL	3.50	.00	65.80

VARIABLE PROCESS 1: 82.50% ROM VARIABLE PROCESS 2: 14.00% ROM

BAUM JIG +28M

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.000	46.80	29.90
2.000	58.10	33.90
3.000	67.00	37.10
4.000	74.00	39.60

PD	% YLD	% ASH
1.500	16.70	36.80
1.600	25.10	41.70
1.700	34.00	46.40
1.800	41.80	49.80

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2-A

VARIABLE PROCESS 1: BAUM JIG +28M

VARIABLE PROCESS 2: W/O CYCL 28M x 100M

PD'S FOR
VAR. PR. 1: BAUM JIG

PD'S FOR VAR. PR. 2: W/O CYCL

		1.500	1.600	1.700	1.800
1.000	% YLD	40.95	42.12	43.37	44.46
	% ASH	30.29	30.88	31.71	32.52
2.000	% YLD	50.27	51.45	52.69	53.78
	% ASH	34.03	34.43	35.03	35.63
3.000	% YLD	57.61	58.79	60.04	61.13
	% ASH	37.09	37.37	37.84	38.32
4.000	% YLD	63.39	64.56	65.81	66.90
	% ASH	39.50	39.71	40.09	40.49

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OVERALL CLEAN COAL ASH CONTENT = 33.75

2-A

MAXIMUM YIELD = 49.65

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	1.808
2	W/O CYCL 28M x 100M	1.600

OVERALL CLEAN COAL ASH CONTENT = 32.00

MAXIMUM YIELD = 45.20

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	1.456
2	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 36.50

MAXIMUM YIELD = 56.61

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	2.703
2	W/O CYCL 28M x 100M	1.600

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** SIMON - CARVES OF CANADA **

F1304

3-A

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	65.80
TOTAL	3.50	.00	65.80

VARIABLE PROCESS 1: 35.00% ROM VARIABLE PROCESS 2: 61.50% ROM

H/M BATH +1/4

W/O CYCL 1/4 x 100M

PD	% YLD	% ASH
1.500	56.90	25.20
1.600	68.10	29.70
1.700	76.50	33.40
1.800	84.50	37.10

PD	% YLD	% ASH
1.500	31.70	32.90
1.600	41.70	37.10
1.700	50.70	40.60
1.800	58.10	43.10

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VARIABLE PROCESS 1: H/M BATH +1/4

3-A

VARIABLE PROCESS 2: W/O CYCL 1/4 x 28M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: H/M BATH		1.500	1.600	1.700	1.800
1.500	% YLD	39.41	45.56	51.10	55.65
	% ASH	29.01	31.90	34.60	36.69
1.600	% YLD	43.33	49.48	55.02	59.57
	% ASH	31.14	33.54	35.88	37.74
1.700	% YLD	46.27	52.42	57.96	62.51
	% ASH	33.19	35.21	37.27	38.94
1.800	% YLD	49.07	55.22	60.76	65.31
	% ASH	35.43	37.10	38.90	40.38

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OVERALL CLEAN COAL ASH CONTENT = 33.75

MAXIMUM YIELD = 49.99

3-A

VAR. PROC. NO.	PROCESS	P.D.
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1	H/M BATH +1/4	1.600
2	W/O CYCL 1/4 x 28M	1.609

OVERALL CLEAN COAL ASH CONTENT = 31.00

MAXIMUM YIELD = 43.65

VAR. PROC. NO.	PROCESS	P.D.
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1	H/M BATH +1/4	1.500
2	W/O CYCL 1/4 x 28M	1.569

OVERALL CLEAN COAL ASH CONTENT = 37.00

MAXIMUM YIELD = 57.76

VAR. PROC. NO.	PROCESS	P.D.
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1	H/M BATH +1/4	1.600
2	W/O CYCL 1/4 x 28M	1.760

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** SIMON - CARVES OF CANADA **

F1304

4-A

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	65.80
TOTAL	3.50	.00	65.80

VARIABLE PROCESS 1: 82.50% ROM VARIABLE PROCESS 2: 14.00% ROM

W/O CYCL 2 x 28M

PD	% YLD	% ASH
1.500	41.80	29.90
1.600	52.40	33.60
1.700	61.60	36.80
1.800	68.90	39.10

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.500	16.70	36.80
1.600	25.10	41.70
1.700	34.00	46.40
1.800	41.80	49.80

VARIABLE PROCESS 1: W/O CYCL 2 x 28M

4-A

VARIABLE PROCESS 2: W/O CYCL 28M x 100M

PD'S FOR VAR. PR. 2: W/O CYCL

PD'S FOR
VAR. PR. 1:
W/O CYCL

		1.500	1.600	1.700	1.800
1.500	% YLD	36.82	38.00	39.25	40.34
	% ASH	30.34	30.99	31.90	32.79
1.600	% YLD	45.57	46.74	47.99	49.08
	% ASH	33.76	34.21	34.87	35.53
1.700	% YLD	53.16	54.33	55.58	56.67
	% ASH	36.80	37.12	37.62	38.14
1.800	% YLD	59.18	60.36	61.60	62.69
	% ASH	39.01	39.25	39.66	40.10

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OVERALL CLEAN COAL ASH CONTENT = 33.75

MAXIMUM YIELD = 45.53

4-A

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.600
2	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 32.00

MAXIMUM YIELD = 41.06

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.549
2	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 37.00

MAXIMUM YIELD = 54.03

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.696
2	W/O CYCL 28M x 100M	1.600

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** SIMON - CARVES OF CANADA **

F1304
6-A

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
H/M BATH 10 PCT 1/2x1/4 (@1.6)	1.55	62.20	28.00
BLEND IN 90 PCT 1/2x0 RAW COAL	72.45	100.00	53.70
DISCARD 10 PCT 100Mx0 RAW COAL	.35	.00	65.80
TOTAL	74.35	98.74	53.36

VARIABLE PROCESS 1: 19.50% ROM

H/M BATH +1/2

PD	% YLD	% ASH
1.500	60.00	26.10
1.600	70.40	30.30
1.700	78.50	34.00
1.800	86.60	37.80

VARIABLE PROCESS 2: 6.15% ROM

W/O CYCL 10 PCT 1/4 x 100M

PD	% YLD	% ASH
1.500	31.70	32.90
1.600	41.70	37.10
1.700	50.70	40.60
1.800	58.10	43.10

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VARIABLE PROCESS 1: H/M BATH +1/2

6-A

VARIABLE PROCESS 2: W/O CYCL 10 PCT. 1/4 x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: H/M BATH		1.500	1.600	1.700	1.800
1.500	% YLD	87.06	87.68	88.23	88.69
	% ASH	49.24	49.25	49.30	49.35
1.600	% YLD	89.09	89.71	90.26	90.72
	% ASH	49.36	49.37	49.41	49.47
1.700	% YLD	90.67	91.29	91.84	92.29
	% ASH	49.65	49.66	49.70	49.75
1.800	% YLD	92.25	92.87	93.42	93.87
	% ASH	50.08	50.08	50.12	50.17

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

6-A

OVERALL CLEAN COAL ASH CONTENT = 49.50

MAXIMUM YIELD = 90.89

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/2	1.611
2	W/O CYCL 10 PCT 1/4 x 100M	1.800

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** SIMON - CARVES OF CANADA **

F1304

7-A

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
BLEND IN 80 PCT 1/4x0 RAW COAL	52.00	100.00	55.20
DISCARD 20 PCT 100Mx0 RAW COAL	.70	.00	65.80
TOTAL	52.70	98.67	55.20

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 12.30% ROM

H/M BATH +1/4

W/D CYCL 20 PCT 1/4 x 100M

PD	% YLD	% ASH
1.500	56.90	25.20
1.600	68.10	29.70
1.700	76.50	33.40
1.800	84.50	37.10

PD	% YLD	% ASH
1.500	31.70	32.90
1.600	41.70	37.10
1.700	50.70	40.60
1.800	58.10	43.10

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VARIABLE PROCESS 1: H/M BATH +1/4

7-A

VARIABLE PROCESS 2: W/O CYCL 20 PCT 1/4 x 100M

PI'S FOR VAR. PR. 2: W/O CYCL

PI'S FOR

VAR. PR. 1:

H/M BATH

1.500 1.600 1.700 1.800

1.500 % YLD | 75.81 77.04 78.15 79.06
% ASH | 46.17 46.24 46.39 46.55

1.600 % YLD | 79.73 80.96 82.07 82.98
% ASH | 46.49 46.55 46.68 46.83

1.700 % YLD | 82.67 83.90 85.01 85.92
% ASH | 47.09 47.14 47.26 47.40

1.800 % YLD | 85.47 86.70 87.81 88.72
% ASH | 47.92 47.96 48.07 48.19

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

7-A

OVERALL CLEAN COAL ASH CONTENT = 47.00

MAXIMUM YIELD = 83.85

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.629
2	W/O CYCL 20 PCT 1/4 x 100M	1.800

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F1304

BIRTLEY '76

** SIMON - CARVES OF CANADA **

COMPOSITE OF PREDICTIONS

A - Partial Wash 1/4 x 100M

DATE: 08 DEC 77

FIXED PROCESSES

	NAME	% ROM	% YLD	% ASH
BLEND IN	50 PCT 1/4 x 100M RC	30.75	100.00	54.97
	DISCARD 100M x 0 RC	3.50	.00	65.80
	TOTAL	34.25	89.78	54.97

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 30.75% ROM

H/M BATH +1/4

W/D CYCL 50 PCT OF 1/4 x 100M

PD	% YLD	% ASH
1.500	56.90	25.20
1.600	68.10	29.70
1.700	76.50	33.40
1.800	84.50	37.10

PD	% YLD	% ASH
1.500	31.70	32.90
1.600	41.70	37.10
1.700	50.70	40.60
1.800	58.10	43.10

A

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: W/O CYCL 50 PCT OF 1/4 x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1:		1.500	1.600	1.700	1.800
H/M BATH					
1.500	% YLD	60.41	63.49	66.26	68.53
	% ASH	41.60	42.02	42.64	43.22
1.600	% YLD	64.33	67.41	70.18	72.45
	% ASH	42.26	42.64	43.19	43.73
1.700	% YLD	67.27	70.35	73.12	75.39
	% ASH	43.19	43.50	44.01	44.50
1.800	% YLD	70.07	73.15	75.92	78.19
	% ASH	44.36	44.61	45.06	45.50

A

AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 43.00

MAXIMUM YIELD = 69.21

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.600
2	W/O CYCL 50 PCT OF 1/4 x 100M	1.665

OVERALL CLEAN COAL ASH CONTENT = 44.00

MAXIMUM YIELD = 73.49

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.635
2	W/O CYCL 50 PCT OF 1/4 x 100M	1.800

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 515
DATA SET NAME: HAT CREEK B 2x1

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	23.80	23.80	9.80	9.80
1.300 - 1.350	20.30	44.10	16.50	12.88
1.350 - 1.400	27.00	71.10	22.40	16.50
1.400 - 1.450	7.50	78.60	28.00	17.60
1.450 - 1.500	7.50	86.10	42.90	19.80
1.500 - 1.600	2.10	88.20	49.20	20.50
1.600 - 1.700	3.40	91.60	55.50	21.80
1.700 - 1.800	1.30	92.90	61.40	22.35
1.800 - 1.900	2.60	95.50	65.00	23.51
1.900 - 2.800	4.50	100.00	69.60	25.59

HEAD ASH OF WASHABILITY DATA = 25.59
(HEAD ASH OF BULK SAMPLE = 25.80)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 517
DATA SET NAME: HAT CREEK B 1x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	18.10	18.10	7.50	7.50
1.300 - 1.350	22.70	40.80	14.90	11.62
1.350 - 1.400	20.20	61.00	28.20	17.11
1.400 - 1.450	10.40	71.40	37.00	20.01
1.450 - 1.500	9.20	80.60	41.90	22.50
1.500 - 1.600	6.60	87.20	51.40	24.69
1.600 - 1.700	4.30	91.50	58.60	26.29
1.700 - 1.800	2.20	93.70	66.60	27.23
1.800 - 1.900	1.60	95.30	69.30	27.94
1.900 - 2.800	4.70	100.00	72.30	30.02

HEAD ASH OF WASHABILITY DATA = 30.02
(HEAD ASH OF BULK SAMPLE = 30.00)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519
DATA SET NAME: HAT CRK B 1/2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	16.40	16.40	7.50	7.50
1.300 - 1.350	23.10	39.50	15.70	12.30
1.350 - 1.400	18.50	58.00	24.00	16.03
1.400 - 1.450	8.40	66.40	33.00	18.18
1.450 - 1.500	6.80	73.20	40.60	20.26
1.500 - 1.600	7.60	80.80	50.50	23.10
1.600 - 1.700	4.40	85.20	56.90	24.85
1.700 - 1.800	6.10	91.30	63.50	27.43
1.800 - 1.900	4.30	95.60	70.00	29.35
1.900 - 2.800	4.40	100.00	74.30	31.32

HEAD ASH OF WASHABILITY DATA = 31.32
(HEAD ASH OF BULK SAMPLE = 31.60)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 521
DATA SET NAME: HAT CRK B 1/4x1/8

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	9.00	9.00	8.40	8.40
1.300 - 1.350	19.70	28.70	12.60	11.28
1.350 - 1.400	20.50	49.20	21.10	15.37
1.400 - 1.450	6.50	55.70	30.00	17.08
1.450 - 1.500	6.10	61.80	39.50	19.29
1.500 - 1.600	14.40	76.20	46.50	24.43
1.600 - 1.700	8.70	84.90	52.70	27.33
1.700 - 1.800	5.10	90.00	57.70	29.05
1.800 - 1.900	2.90	92.90	68.60	30.29
1.900 - 2.800	7.10	100.00	75.20	33.48

HEAD ASH OF WASHABILITY DATA = 33.48
(HEAD ASH OF BULK SAMPLE = 32.90)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 523
DATA SET NAME: HAT CRK B 1/8x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	2.30	2.30	6.50	6.50
1.300 - 1.350	10.40	12.70	11.50	10.59
1.350 - 1.400	9.70	22.40	18.50	14.02
1.400 - 1.450	9.00	31.40	22.00	16.31
1.450 - 1.500	15.80	47.20	29.10	20.59
1.500 - 1.600	10.60	57.80	44.00	24.88
1.600 - 1.700	14.00	71.80	50.10	29.80
1.700 - 1.800	8.10	79.90	54.30	32.28
1.800 - 1.900	5.50	85.40	64.90	34.38
1.900 - 2.800	14.60	100.00	75.10	40.33

HEAD ASH OF WASHABILITY DATA = 40.33
(HEAD ASH OF BULK SAMPLE = 40.20)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 525
DATA SET NAME: HAT CRK B 28x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	3.60	3.60	10.10	10.10
1.400 - 1.450	4.70	8.30	14.30	12.48
1.450 - 1.500	6.10	14.40	22.40	16.68
1.500 - 1.600	14.60	29.00	27.60	22.18
1.600 - 1.700	9.90	38.90	42.20	27.27
1.700 - 1.800	11.80	50.70	50.10	32.59
1.800 - 1.900	19.20	69.90	59.50	39.98
1.900 - 2.800	30.10	100.00	75.60	50.70

HEAD ASH OF WASHABILITY DATA = 50.70
(HEAD ASH OF BULK SAMPLE = 51.60)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 541
DATA SET NAME: HAT CREEK B 2x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	20.42	20.42	8.59	8.59
1.300 - 1.350	21.72	42.14	15.51	12.16
1.350 - 1.400	22.97	65.11	25.43	16.84
1.400 - 1.450	9.22	74.33	34.02	18.97
1.450 - 1.500	8.51	82.84	42.26	21.36
1.500 - 1.600	4.77	87.61	51.01	22.98
1.600 - 1.700	3.93	91.54	57.51	24.46
1.700 - 1.800	1.83	93.37	65.10	25.26
1.800 - 1.900	2.01	95.38	67.04	26.14
1.900 - 2.800	4.62	100.00	71.23	28.22

HEAD ASH OF WASHABILITY DATA = 28.22
(HEAD ASH OF BULK SAMPLE = 28.22)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 547
DATA SET NAME: HAT CREEK B 2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	19.11	19.11	8.28	8.28
1.300 - 1.350	22.18	41.29	15.57	12.20
1.350 - 1.400	21.51	62.80	25.03	16.59
1.400 - 1.450	8.95	71.75	33.71	18.73
1.450 - 1.500	7.95	79.70	41.80	21.03
1.500 - 1.600	5.69	85.39	50.79	23.01
1.600 - 1.700	4.09	89.48	57.30	24.58
1.700 - 1.800	3.22	92.70	64.11	25.95
1.800 - 1.900	2.75	95.45	68.54	27.18
1.900 - 2.800	4.55	100.00	72.20	29.23

HEAD ASH OF WASHABILITY DATA = 29.23
(HEAD ASH OF BULK SAMPLE = 29.23)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 553
DATA SET NAME: HAT CREEK B 2x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	10.60	10.60	8.16	8.16
1.300 - 1.350	17.19	27.79	13.92	11.72
1.350 - 1.400	16.80	44.59	22.60	15.82
1.400 - 1.450	8.46	53.05	28.37	17.82
1.450 - 1.500	10.55	63.60	34.28	20.55
1.500 - 1.600	9.37	72.97	46.49	23.88
1.600 - 1.700	8.82	81.79	52.00	26.91
1.700 - 1.800	5.47	87.26	57.34	28.82
1.800 - 1.900	3.83	91.09	66.56	30.41
1.900 - 2.800	8.91	100.00	74.51	34.34

HEAD ASH OF WASHABILITY DATA = 34.34
(HEAD ASH OF BULK SAMPLE = 34.34)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 559
DATA SET NAME: HAT CR B 1/4x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	4.00	4.00	7.80	7.80
1.300 - 1.400	23.84	27.84	15.83	14.68
1.400 - 1.450	7.63	35.47	23.39	16.55
1.450 - 1.500	11.47	46.94	30.27	19.90
1.500 - 1.600	12.32	59.26	42.11	24.52
1.600 - 1.700	11.81	71.07	49.74	28.71
1.700 - 1.800	7.72	78.79	54.07	31.20
1.800 - 1.900	6.67	85.46	63.17	33.69
1.900 - 2.800	14.54	100.00	75.26	39.74

HEAD ASH OF WASHABILITY DATA = 39.74
(HEAD ASH OF BULK SAMPLE = 39.74)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 565
DATA SET NAME: HAT CRK B 1/4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	4.67	4.67	7.80	7.80
1.300 - 1.350	13.68	18.35	12.06	10.98
1.350 - 1.400	13.52	31.87	19.89	14.76
1.400 - 1.450	8.12	39.99	24.27	16.69
1.450 - 1.500	12.37	52.36	30.91	20.05
1.500 - 1.600	11.94	64.30	45.07	24.69
1.600 - 1.700	12.13	76.43	50.76	28.83
1.700 - 1.800	7.04	83.47	55.17	31.05
1.800 - 1.900	4.58	88.05	65.73	32.86
1.900 - 2.800	11.95	100.00	75.12	37.91

HEAD ASH OF WASHABILITY DATA = 37.91
(HEAD ASH OF BULK SAMPLE = 37.90)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 541

DATA SET NAME: HAT CREEK B 2x1/2

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	20.42	20.42	8.59	8.59	100.00	20.42	.00
1.300 1.350	21.72	42.14	15.51	12.16	99.85	21.69	.03
1.350 1.400	22.97	65.11	25.43	16.84	98.64	22.66	.31
1.400 1.450	9.22	74.33	34.02	18.97	96.21	8.87	.35
1.450 1.500	8.51	82.84	42.26	21.36	73.65	6.27	2.24
1.500 1.600	4.77	87.61	51.01	22.98	15.46	.74	4.03
1.600 1.700	3.93	91.54	57.51	24.46	5.14	.20	3.73
1.700 1.800	1.83	93.37	65.10	25.26	1.77	.03	1.80
1.800 1.900	2.01	95.38	67.04	26.14	.16	.00	2.01
1.900 2.800	4.62	100.00	71.23	28.22	.00	.00	4.62

HEAD ASH OF WASHABILITY DATA = 28.22

PROCESS: HEAVY MEDIUM BATH

F1 = 1.081

F2 = 1.200

PD = 1.500

EP = .0266

PREDICTED YIELD 80.88%

ASH 21.10%

PREDICTED REJECTS 19.12%

ASH 58.35%

YIELD ERROR 1.01%

ASH ERROR .28%

ORGANIC EFFICIENCY 98.77%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 541
 DATA SET NAME: HAT CREEK B 2x1/2
 DATE: 21 JUN 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	20.42	8.59	8.59	100.00	20.42	.00	
1.300	1.350	21.72	15.51	12.16	100.00	21.72	.00	
1.350	1.400	22.97	25.43	16.84	99.95	22.96	.01	
1.400	1.450	9.22	34.02	18.97	99.11	9.14	.08	
1.450	1.500	8.51	42.26	21.36	97.75	8.32	.19	
1.500	1.600	4.77	51.01	22.98	85.86	4.10	.67	
1.600	1.700	3.93	57.51	24.46	18.01	.71	3.22	
1.700	1.800	1.83	65.10	25.26	6.57	.12	1.71	
1.800	1.900	2.01	67.04	26.14	2.95	.06	1.95	
1.900	2.800	4.62	71.23	28.22	.00	.00	4.62	

HEAD ASH OF WASHABILITY DATA = 28.22

PROCESS: HEAVY MEDIUM BATH

F1 = 1.081	PREDICTED YIELD	87.54%	YIELD ERROR	.33%
F2 = 1.200	ASH	23.08%	ASH ERROR	.12%
PD = 1.600	PREDICTED REJECTS	12.46%	ORGANIC EFFICIENCY	99.62%
EP = .0327	ASH	64.36%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 541

DATA SET NAME: HAT CREEK B 2x1/2

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000 1.300	20.42	20.42	8.59	8.59	100.00	20.42	.00
1.300 1.350	21.72	42.14	15.51	12.16	100.00	21.72	.00
1.350 1.400	22.97	65.11	25.43	16.84	100.00	22.97	.00
1.400 1.450	9.22	74.33	34.02	18.97	99.99	9.22	.00
1.450 1.500	8.51	82.84	42.26	21.36	99.42	8.46	.05
1.500 1.600	4.77	87.61	51.01	22.98	97.79	4.66	.11
1.600 1.700	3.93	91.54	57.51	24.46	81.25	3.19	.74
1.700 1.800	1.83	93.37	65.10	25.26	20.64	.38	1.45
1.800 1.900	2.01	95.38	67.04	26.14	7.88	.16	1.85
1.900 2.800	4.62	100.00	71.23	28.22	.00	.00	4.62

HEAD ASH OF WASHABILITY DATA = 28.22

PROCESS: HEAVY MEDIUM BATH

F1 = 1.881	PREDICTED YIELD	91.18%	YIELD ERROR	.18%
F2 = 1.200	ASH	24.39%	ASH ERROR	.07%
PD = 1.700	PREDICTED REJECTS	8.82%	ORGANIC EFFICIENCY	99.80%
EP = .0388	ASH	67.78%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 541
 DATA SET NAME: HAT CREEK B 2x1/2
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	20.42	20.42	8.59	8.59	100.00	20.42	.00
1.300 1.350	21.72	42.14	15.51	12.16	100.00	21.72	.00
1.350 1.400	22.97	65.11	25.43	16.84	100.00	22.97	.00
1.400 1.450	9.22	74.33	34.02	18.97	100.00	9.22	.00
1.450 1.500	8.51	82.84	42.26	21.36	100.00	8.51	.00
1.500 1.600	4.77	87.61	51.01	22.98	99.27	4.74	.03
1.600 1.700	3.93	91.54	57.51	24.46	97.31	3.82	.11
1.700 1.800	1.83	93.37	65.10	25.26	77.53	1.42	.41
1.800 1.900	2.01	95.38	67.04	26.14	23.13	.46	1.55
1.900 2.800	4.62	100.00	71.23	28.22	.49	.02	4.60

HEAD ASH OF WASHABILITY DATA = 28.22

PROCESS: HEAVY MEDIUM BATH

F1 = 1.081	PREDICTED YIELD	93.31%	YIELD ERROR	.06%
F2 = 1.200	ASH	25.25%	ASH ERROR	.03%
PD = 1.800	PREDICTED REJECTS	6.69%	ORGANIC EFFICIENCY	99.94%
EP = .0449	ASH	69.56%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519

DATA SET NAME: HAT CRK B 1/2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	16.40	16.40	7.50	7.50	99.76	16.36	.04
1.300 1.350	23.10	39.50	15.70	12.30	98.99	22.87	.23
1.350 1.400	18.50	58.00	24.00	16.03	97.65	16.06	.44
1.400 1.450	8.40	66.40	33.00	18.18	93.38	7.84	.56
1.450 1.500	6.80	73.20	40.60	20.26	68.92	4.69	2.11
1.500 1.600	7.60	80.80	50.50	23.10	18.44	1.40	6.20
1.600 1.700	4.40	85.20	56.90	24.85	6.79	.30	4.10
1.700 1.800	6.10	91.30	63.50	27.43	3.13	.19	5.91
1.800 1.900	4.30	95.60	70.00	29.35	1.29	.06	4.24
1.900 2.800	4.40	100.00	74.30	31.32	.00	.00	4.40

HEAD ASH OF WASHABILITY DATA = 31.32

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370

F2 = 1.200

PD = 1.500

EP = .0337

PREDICTED YIELD 71.77%

ASH 20.46%

PREDICTED REJECTS 28.23%

ASH 58.95%

YIELD ERROR 1.96%

ASH ERROR .64%

ORGANIC EFFICIENCY 97.34%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519
 DATA SET NAME: MAT CRK B 1/2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	16.40	7.50	7.50	100.00	16.40	.00	
1.300	1.350	23.10	15.70	12.30	99.87	23.07	.03	
1.350	1.400	18.50	24.00	16.03	99.17	18.35	.15	
1.400	1.450	8.40	33.00	18.18	98.20	8.25	.15	
1.450	1.500	6.80	40.60	20.26	96.76	6.58	.22	
1.500	1.600	7.60	50.50	23.10	79.51	6.04	1.56	
1.600	1.700	4.40	56.90	24.85	21.76	.96	3.44	
1.700	1.800	6.10	63.50	27.43	6.47	.52	5.58	
1.800	1.900	4.30	70.00	29.35	4.59	.20	4.10	
1.900	2.800	4.40	74.30	31.32	.00	.00	4.40	

HEAD ASH OF WASHABILITY DATA = 31.32

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	80.36%	YIELD ERROR	.90%
F2 = 1.200	ASH	23.28%	ASH ERROR	.35%
PD = 1.600	PREDICTED REJECTS	19.64%	ORGANIC EFFICIENCY	98.89%
EP = .0414	ASH	64.22%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519
 DATA SET NAME: HAT CRK B 1/2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	16.40	16.40	7.50	7.50	100.00	16.40	.00
1.300 1.350	23.10	39.50	15.70	12.30	100.00	23.10	.00
1.350 1.400	18.50	58.00	24.00	16.03	99.86	18.47	.03
1.400 1.450	8.40	66.40	33.00	18.18	99.28	8.34	.06
1.450 1.500	6.80	73.20	40.60	20.26	98.54	6.70	.10
1.500 1.600	7.60	80.80	50.50	23.10	96.84	7.36	.24
1.600 1.700	4.40	85.20	56.90	24.85	75.38	3.32	1.08
1.700 1.800	6.10	91.30	63.50	27.43	24.71	1.51	4.59
1.800 1.900	4.30	95.60	70.00	29.35	10.24	.44	3.86
1.900 2.800	4.40	100.00	74.30	31.32	.15	.01	4.39

HEAD ASH OF WASHABILITY DATA = 31.32

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370
 F2 = 1.200

PREDICTED YIELD 85.65%
 ASH 25.26%

YIELD ERROR .54%
 ASH ERROR .23%

PD = 1.700
 EP = .0492

PREDICTED REJECTS 14.35%
 ASH 67.48%

ORGANIC EFFICIENCY 99.38%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519

DATA SET NAME: HA1 CRK B 1/2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	16.40	16.40	7.50	7.50	100.00	16.40	.00
1.300 1.350	23.10	39.50	15.70	12.30	100.00	23.10	.00
1.350 1.400	18.50	58.00	24.00	16.03	100.00	18.50	.00
1.400 1.450	8.40	66.40	33.00	18.18	99.85	8.39	.01
1.450 1.500	6.80	73.20	40.60	20.26	99.37	6.76	.04
1.500 1.600	7.70	80.80	50.50	23.10	98.38	7.48	.12
1.600 1.700	4.40	85.20	56.90	24.85	95.48	4.20	.20
1.700 1.800	6.10	91.30	63.50	27.43	72.22	4.41	1.69
1.800 1.900	4.30	95.60	70.00	29.35	27.31	1.17	3.13
1.900 2.800	4.40	100.00	74.30	31.32	1.62	.07	4.33

HEAD ASH OF WASHABILITY DATA = 31.32

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370

F2 = 1.200

PD = 1.800

EP = .0569

PREDICTED YIELD 90.47%

ASH 27.24%

PREDICTED REJECTS 9.53%

ASH 70.09%

YIELD ERROR .38%

ASH ERROR .16%

ORGANIC EFFICIENCY 99.58%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 565

DATA SET NAME: HAT CRK B 1/4x28M

DATE: 19 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G.	% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF	
FRACTION	FEED	OF	INST.	%	NUMBER	FEED	FEED	
		FEED	ASH	ASH		FLOATS	SINKS	
.000	1.300	4.67	4.67	7.80	7.80	96.27	4.50	.17
1.300	1.350	13.68	18.35	12.06	10.98	89.46	12.24	1.44
1.350	1.400	13.52	31.87	19.89	14.76	64.16	8.67	4.85
1.400	1.450	8.12	39.99	24.27	16.69	35.66	2.90	5.22
1.450	1.500	12.37	52.36	30.91	20.05	11.91	1.47	10.90
1.500	1.600	11.94	64.30	45.07	24.69	2.80	.33	11.61
1.600	1.700	12.13	76.43	50.76	28.83	1.42	.17	11.96
1.700	1.800	7.04	83.47	55.17	31.05	1.06	.07	6.97
1.800	1.900	4.58	88.05	65.73	32.86	.36	.02	4.56
1.900	2.800	11.95	100.00	75.12	37.91	.00	.00	11.95

HEAD ASH OF WASHABILITY DATA = 37.91
 AVERAGE S.G. FEED = 1.599
 AVERAGE S.G. FLOATS = 1.356
 AVERAGE S.G. SINKS = 1.706

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.274	PREDICTED YIELD	30.37%	YIELD ERROR	8.66%
F2 = 1.200	ASH	16.46%	ASH ERROR	2.12%
F3 = 1.060	PREDICTED REJECTS	69.63%	ORGANIC EFFICIENCY	77.82%
PD = 1.400	ASH	47.26%		
EP = .0451				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 565
 DATA SET NAME: HAT CRK B 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	4.67	4.67	7.80	7.80	98.88	4.62	.05	
1.300 1.350	13.68	18.35	12.06	10.98	98.41	13.46	.22	
1.350 1.400	13.52	31.87	19.89	14.76	96.17	13.00	.52	
1.400 1.450	8.12	39.99	24.27	16.69	86.83	7.05	1.07	
1.450 1.500	12.37	52.36	30.91	20.05	62.91	7.78	4.59	
1.500 1.600	11.94	64.30	45.07	24.69	24.76	2.96	8.98	
1.600 1.700	12.13	76.43	50.76	28.83	3.40	.41	11.72	
1.700 1.800	7.04	83.47	55.17	31.05	1.70	.12	6.92	
1.800 1.900	4.58	88.05	65.73	32.86	1.14	.05	4.53	
1.900 2.800	11.95	100.00	75.12	37.91	.00	.00	11.95	

HEAD ASH OF WASHABILITY DATA = 37.91
 AVERAGE S.G. FEED = 1.599
 AVERAGE S.G. FLOATS = 1.390
 AVERAGE S.G. SINKS = 1.804

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.274	PREDICTED YIELD	49.45%	YIELD ERROR	5.05%
F2 = 1.200	ASH	20.88%	ASH ERROR	1.62%
F3 = 1.060	PREDICTED REJECTS	50.55%	ORGANIC EFFICIENCY	90.73%
PD = 1.500	ASH	54.56%		
EP = .0494				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 565
 DATA SET NAME: HAT CRK B 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	4.67	4.67	7.80	7.80	99.37	4.64	.03
1.300	1.350	13.68	18.35	12.06	10.98	99.05	13.55	.13
1.350	1.400	13.52	31.87	19.89	14.76	98.85	13.36	.16
1.400	1.450	8.12	39.99	24.27	16.69	97.90	7.95	.17
1.450	1.500	12.37	52.36	30.91	20.05	95.14	11.77	.60
1.500	1.600	11.94	64.30	45.07	24.69	73.35	8.76	3.18
1.600	1.700	12.13	76.43	50.76	28.83	26.56	3.22	8.91
1.700	1.800	7.04	83.47	55.17	31.05	4.18	.29	6.75
1.800	1.900	4.58	88.05	65.73	32.86	2.05	.09	4.49
1.900	2.800	11.95	100.00	75.12	37.91	.00	.00	11.95

HEAD ASH OF WASHABILITY DATA = 37.91
 AVERAGE S.G. FEED = 1.599
 AVERAGE S.G. FLOATS = 1.423
 AVERAGE S.G. SINKS = 1.908

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.274	PREDICTED YIELD	63.64%	YIELD ERROR	2.09%
F2 = 1.200	ASH	25.19%	ASH ERROR	.75%
F3 = 1.060	PREDICTED REJECTS	36.36%	ORGANIC EFFICIENCY	96.81%
PD = 1.600	ASH	60.18%		
EP = .0538				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 565
 DATA SET NAME: HAT CRK B 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA						PREDICTIONS		
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	4.67	4.67	7.80	7.80	99.78	4.66	.01	
1.300 1.350	13.68	18.35	12.06	10.98	99.58	13.62	.06	
1.350 1.400	13.52	31.87	19.89	14.76	99.27	13.42	.10	
1.400 1.450	8.12	39.99	24.27	16.69	98.91	8.03	.09	
1.450 1.500	12.37	52.36	30.91	20.05	98.73	12.21	.16	
1.500 1.600	11.94	64.30	45.07	24.69	96.36	11.51	.43	
1.600 1.700	12.13	76.43	50.76	28.83	71.70	8.70	3.43	
1.700 1.800	7.04	83.47	55.17	31.05	28.16	1.98	5.06	
1.800 1.900	4.58	88.05	65.73	32.86	5.11	.23	4.35	
1.900 2.800	11.95	100.00	75.12	37.91	.07	.01	11.94	

HEAD ASH OF WASHABILITY DATA = 37.91
 AVERAGE S.G. FEED = 1.599
 AVERAGE S.G. FLOATS = 1.453
 AVERAGE S.G. SINKS = 2.024

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.274	PREDICTED YIELD	74.38%	YIELD ERROR	1.31%
F2 = 1.200	ASH	28.58%	ASH ERROR	.45%
F3 = 1.060	PREDICTED REJECTS	25.62%	ORGANIC EFFICIENCY	98.27%
PD = 1.700	ASH	64.99%		
EP = .0582				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 565
 DATA SET NAME: HAT CRK B 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	4.67	4.67	7.80	7.80	99.96	4.67	.00
1.300 1.350	13.68	18.35	12.06	10.98	99.87	13.66	.02
1.350 1.400	13.52	31.87	19.89	14.76	99.69	13.48	.04
1.400 1.450	8.12	39.99	24.27	16.69	99.43	8.07	.05
1.450 1.500	12.37	52.36	30.91	20.05	99.09	12.26	.11
1.500 1.600	11.94	64.30	45.07	24.69	98.79	11.80	.14
1.600 1.700	12.13	76.43	50.76	28.83	95.56	11.59	.54
1.700 1.800	7.04	83.47	55.17	31.05	70.25	4.95	2.09
1.800 1.900	4.58	88.05	65.73	32.86	29.58	1.35	3.23
1.900 2.800	11.95	100.00	75.12	37.91	.76	.09	11.86

HEAD ASH OF WASHABILITY DATA = 37.91
 AVERAGE S.G. FEED = 1.599
 AVERAGE S.G. FLOATS = 1.477
 AVERAGE S.G. SINKS = 2.153

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.274	PREDICTED YIELD	81.92%	YIELD ERROR	1.13%
F2 = 1.200	ASH	30.92%	ASH ERROR	.36%
F3 = 1.060	PREDICTED REJECTS	18.08%	ORGANIC EFFICIENCY	98.64%
PD = 1.800	ASH	69.57%		
EP = .0626				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 553
 DATA SET NAME: HAT CREEK B 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	10.60	10.60	8.16	8.16	87.50	9.27	1.33	
1.300 1.350	17.19	27.79	13.92	11.72	83.59	14.37	2.82	
1.350 1.400	16.80	44.59	22.60	15.82	75.49	12.68	4.12	
1.400 1.450	8.46	53.05	28.37	17.82	65.11	5.51	2.95	
1.450 1.500	10.55	63.60	34.28	20.55	54.38	5.74	4.81	
1.500 1.600	9.37	72.97	46.49	23.88	40.81	3.82	5.55	
1.600 1.700	8.82	81.79	52.00	26.91	24.94	2.20	6.62	
1.700 1.800	5.47	87.26	57.34	28.82	14.56	.80	4.67	
1.800 1.900	3.83	91.09	66.56	30.41	8.11	.31	3.52	
1.900 2.800	8.91	100.00	74.51	34.34	.00	.00	8.91	

HEAD ASH OF WASHABILITY DATA = 34.34

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .875	PREDICTED YIELD	54.70%	YIELD ERROR	16.59%
F2 = 1.200	ASH	23.29%	ASH ERROR	5.04%
PD = 1.500	PREDICTED REJECTS	45.30%	ORGANIC EFFICIENCY	76.73%
EP = .1359	ASH	47.69%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 553
 DATA SET NAME: HAT CREEK B 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	10.60	8.16	8.16	92.02	9.75	.85	
1.300	1.350	17.19	13.92	11.72	89.02	15.30	1.89	
1.350	1.400	16.80	22.60	15.82	85.32	14.33	2.47	
1.400	1.450	8.46	28.37	17.82	79.83	6.75	1.71	
1.450	1.500	10.55	34.28	20.55	72.10	7.61	2.94	
1.500	1.600	97.37	46.49	23.89	57.55	5.39	3.98	
1.600	1.700	8.82	52.00	26.91	42.20	3.72	5.10	
1.700	1.800	5.47	57.34	28.82	27.58	1.51	3.96	
1.800	1.900	3.83	66.56	30.41	17.81	.68	3.15	
1.900	2.800	8.91	74.51	34.34	.53	.05	8.86	

HEAD ASH OF WASHABILITY DATA = 34.34

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .875	PREDICTED YIELD	65.10%	YIELD ERROR	12.05%
F2 = 1.200	ASH	25.32%	ASH ERROR	4.24%
PD = 1.600	PREDICTED REJECTS	34.90%	ORGANIC EFFICIENCY	84.38%
EP = .1602	ASH	51.16%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 553
 DATA SET NAME: HAT CREEK B 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	10.60	10.60	8.16	8.16	95.29	10.10	.50
1.300 1.350	17.19	27.79	13.92	11.72	92.82	15.96	1.23
1.350 1.400	16.80	44.59	22.60	15.82	89.55	15.04	1.76
1.400 1.450	8.46	53.05	28.37	17.82	86.43	7.31	1.15
1.450 1.500	10.55	63.60	34.28	20.55	82.44	8.70	1.85
1.500 1.600	9.37	72.97	46.49	23.88	72.90	6.83	2.54
1.600 1.700	8.82	81.79	52.00	26.91	56.50	4.98	3.84
1.700 1.800	5.47	87.26	57.34	28.82	43.22	2.36	3.11
1.800 1.900	3.83	91.09	66.56	30.41	29.74	1.14	2.69
1.900 2.800	8.91	100.00	74.51	34.34	4.06	.36	8.55

HEAD ASH OF WASHABILITY DATA = 34.34

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .875	PREDICTED YIELD	72.79%	YIELD ERROR	9.24%
F2 = 1.200	ASH	27.00%	ASH ERROR	3.18%
	PREDICTED REJECTS	27.21%	ORGANIC EFFICIENCY	88.74%
PD = 1.700	ASH	53.97%		
EP = .1844				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 553
 DATA SET NAME: HAT CREEK B 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	10.60	8.14	8.16	97.43	10.33	.27	
1.300	1.350	17.19	13.92	11.72	95.57	16.43	.74	
1.350	1.400	16.80	22.60	15.82	92.86	15.60	1.20	
1.400	1.450	8.46	28.37	17.82	89.94	7.61	.85	
1.450	1.500	10.55	34.28	20.55	87.22	9.20	1.35	
1.500	1.600	9.37	46.49	23.88	82.03	7.69	1.60	
1.600	1.700	8.82	52.00	26.91	70.52	6.22	2.60	
1.700	1.800	5.47	57.34	28.82	55.72	3.05	2.42	
1.800	1.900	3.83	66.56	30.41	44.01	1.69	2.14	
1.900	2.800	8.91	74.51	34.34	7.78	.69	8.22	

HEAD ASH OF WASHABILITY DATA = 34.34

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .875	PREDICTED YIELD	78.50%	YIELD ERROR	7.07%
F2 = 1.200	ASH	29.23%	ASH ERROR	2.45%
PD = 1.800	PREDICTED REJECTS	21.50%	ORGANIC EFFICIENCY	91.74%
EP = .2087	ASH	56.64%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 525
 DATA SET NAME: HAT CRK B 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA				PREDICTIONS				
S.G.	% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF	
FRACTION	FEED	OF	INST.	%	NUMBER	FEED	FEED	
		FEED	ASH	ASH		FLOATS	SINKS	
.000	1.400	3.60	10.10	10.10	73.70	2.65	.95	
1.400	1.450	4.70	14.30	12.48	63.57	2.99	1.71	
1.450	1.500	6.10	22.40	16.68	54.04	3.30	2.80	
1.500	1.600	14.60	27.60	22.18	41.53	6.06	8.54	
1.600	1.700	9.90	42.20	27.27	26.34	2.61	7.29	
1.700	1.800	11.80	50.70	32.59	16.22	1.91	9.89	
1.800	1.900	19.20	59.50	39.98	9.44	1.81	17.39	
1.900	2.800	30.10	75.60	50.70	.00	.00	30.10	

HEAD ASH OF WASHABILITY DATA = 50.70

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	21.33%	YIELD ERROR	22.00%
F2 = 1.200	ASH	29.27%	ASH ERROR	9.98%
PD = 1.500	PREDICTED REJECTS	78.67%	ORGANIC EFFICIENCY	49.23%
EP = .1476	ASH	56.51%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 525
 DATA SET NAME: HAT CRK B 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.400	3.60	3.60	10.10	10.10	83.69	3.01	.59
1.400	1.450	4.70	8.30	14.30	12.48	77.71	3.65	1.05
1.450	1.500	6.10	14.40	22.40	16.68	70.51	4.30	1.80
1.500	1.600	14.60	29.00	27.60	22.18	56.91	8.31	6.29
1.600	1.700	9.90	38.90	42.20	27.27	42.81	4.24	5.66
1.700	1.800	11.80	50.70	50.10	32.59	28.82	3.40	8.40
1.800	1.900	19.20	69.90	59.50	39.98	19.46	3.74	15.46
1.900	2.800	30.10	100.00	75.60	50.70	1.44	.43	29.67

HEAD ASH OF WASHABILITY DATA = 50.70

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950
 F2 = 1.200

PREDICTED YIELD 31.09%
 ASH 32.58%
 PREDICTED REJECTS 48.91%
 ASH 58.88%

YIELD ERROR 19.60%
 ASH ERROR 9.33%
 ORGANIC EFFICIENCY 61.33%

PD = 1.600
 EP = .1740

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 525

DATA SET NAME: HAT CRK B 28x100M

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.400	3.60	3.60	10.10	10.10	87.96	3.17	.43
1.400 1.450	4.70	8.30	14.30	12.48	84.89	3.99	.71
1.450 1.500	6.10	14.40	22.40	16.68	80.52	4.91	1.19
1.500 1.600	14.60	29.00	27.60	22.18	71.32	10.41	4.19
1.600 1.700	9.90	38.90	42.20	27.27	55.96	5.54	4.36
1.700 1.800	11.80	50.70	50.10	32.59	43.76	5.16	6.64
1.800 1.900	19.20	69.90	59.50	39.98	31.09	5.97	13.23
1.900 2.800	30.10	100.00	75.60	50.70	5.23	1.57	28.53

HEAD ASH OF WASHABILITY DATA = 50.70

PROCESS: 10" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = .950

F2 = 1.200

PD = 1.700

EP = .2003

PREDICTED YIELD 40.73%

ASH 35.68%

PREDICTED REJECTS 59.27%

ASH 61.02%

YIELD ERROR 18.01%

ASH ERROR 7.58%

ORGANIC EFFICIENCY 69.34%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 525
 DATA SET NAME: HAT CRK B 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.400	3.60	10.10	10.10	90.91	3.27	.33	
1.400	1.450	4.70	14.30	12.48	88.32	4.15	.55	
1.450	1.500	6.10	22.40	16.68	85.72	5.23	.87	
1.500	1.600	14.60	27.60	22.18	80.07	11.69	2.91	
1.600	1.700	9.90	42.20	27.27	68.86	6.82	3.08	
1.700	1.800	11.80	50.10	32.59	55.26	6.52	5.28	
1.800	1.900	19.20	59.50	39.98	44.48	8.54	10.66	
1.900	2.800	30.10	75.60	50.70	9.03	2.72	27.38	

HEAD ASH OF WASHABILITY DATA = 50.70

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	48.94%	YIELD ERROR	15.85%
F2 = 1.200	ASH	38.01%	ASH ERROR	6.22%
PD = 1.800	PREDICTED REJECTS	51.06%	ORGANIC EFFICIENCY	75.54%
EP = .2266	ASH	62.86%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 559
 DATA SET NAME: HAT CR B 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	4.00	4.00	7.80	7.80	84.77	.61
1.300	1.400	23.84	27.84	15.83	14.68	76.32	5.64
1.400	1.450	7.63	35.47	23.39	16.95	62.45	2.86
1.450	1.500	11.47	46.94	30.27	19.90	53.79	5.30
1.500	1.600	12.32	59.26	42.11	24.52	42.07	7.14
1.600	1.700	11.81	71.07	49.74	28.71	27.34	8.58
1.700	1.800	7.72	78.79	54.07	31.20	17.49	6.37
1.800	1.900	6.67	85.46	63.17	33.69	10.68	5.96
1.900	2.800	14.54	100.00	75.26	39.74	.00	14.54

HEAD ASH OF WASHABILITY DATA = 39.74

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.014
 F2 = 1.200

PREDICTED YIELD 42.99%

YIELD ERROR 19.89%

ASH 25.81%

ASH ERROR 7.06%

PREDICTED REJECTS 57.01%

ORGANIC EFFICIENCY 68.37%

ASH 50.24%

PO = 1.500
 EP = .1576

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 559

DATA SET NAME: HAT CR B 1/4x100M

DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	4.00	4.00	7.80	7.80	88.79	3.55	.45
1.300 1.400	23.84	27.84	15.83	14.68	84.51	20.15	3.69
1.400 1.450	7.63	35.47	23.39	16.55	76.08	5.80	1.83
1.450 1.500	11.47	46.94	30.27	19.90	69.21	7.94	3.53
1.500 1.600	12.32	59.26	42.11	24.52	56.45	6.95	5.37
1.600 1.700	11.81	71.07	49.74	28.71	43.27	5.11	6.70
1.700 1.800	7.72	78.79	54.87	31.20	29.84	2.30	5.42
1.800 1.900	6.67	85.46	63.17	33.69	20.83	1.39	5.28
1.900 2.800	14.54	100.00	75.26	39.74	2.18	.32	14.22

HEAD ASH OF WASHABILITY DATA = 39.74

PROCESS: 14" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = 1.014
F2 = 1.200

PREDICTED YIELD 53.52%
ASH 28.14%
PREDICTED REJECTS 46.48%
ASH 53.08%

YIELD ERROR 15.94%
ASH ERROR 5.77%
ORGANIC EFFICIENCY 77.04%

PD = 1.600
EP = .1857

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 559

DATA SET NAME: HAT CR B 1/4x100M

DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	4.00	4.00	7.80	7.80	91.71	3.67	.33
1.300	1.400	23.84	27.84	15.83	14.68	88.13	21.01	2.83
1.400	1.450	7.63	35.47	23.39	16.55	83.58	6.38	1.25
1.450	1.500	11.47	46.94	30.27	19.90	78.88	9.05	2.42
1.500	1.600	12.32	59.26	42.11	24.52	70.05	8.63	3.69
1.600	1.700	11.81	71.07	49.74	28.71	55.58	6.56	5.25
1.700	1.800	7.72	78.79	54.07	31.20	44.15	3.41	4.31
1.800	1.900	6.67	85.46	63.17	33.69	32.19	2.15	4.52
1.900	2.800	14.54	100.00	75.26	39.74	6.03	.98	13.66

HEAD ASH OF WASHABILITY DATA = 39.74

PROCESS: 14" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = 1.014

F2 = 1.200

PD = 1.700

EP = .2138

PREDICTED YIELD 61.73%

ASH 30.13%

PREDICTED REJECTS 38.27%

ASH 55.22%

YIELD ERROR 13.76%

ASH ERROR 4.74%

ORGANIC EFFICIENCY 81.77%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 559
 DATA SET NAME: HAT CR B 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	4.00	4.00	7.80	7.80	93.94	.24
1.300	1.400	23.84	27.84	15.83	14.68	21.63	2.21
1.400	1.450	7.63	35.47	23.39	16.55	87.14	.98
1.450	1.500	11.47	46.94	30.27	19.90	84.46	1.78
1.500	1.600	12.32	59.26	42.11	24.52	78.41	2.66
1.600	1.700	11.81	71.07	49.74	28.71	67.50	3.84
1.700	1.800	7.72	78.79	54.07	31.20	54.92	3.48
1.800	1.900	6.67	85.46	63.17	33.69	44.83	3.68
1.900	2.800	14.54	100.00	75.26	39.74	10.22	13.05

HEAD ASH OF WASHABILITY DATA = 39.74

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.014	PREDICTED YIELD	68.07%	YIELD ERROR	11.90%
F2 = 1.200	ASH	31.64%	ASH ERROR	3.99%
FD = 1.800	PREDICTED REJECTS	31.93%	ORGANIC EFFICIENCY	85.11%
EP = .2419	ASH	57.00%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 515
 DATA SET NAME: HAT CREEK B 2x1
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	23.80	23.80	9.80	9.80	98.63	23.47	.33	
1.300 1.350	20.30	44.10	16.50	12.88	94.19	19.12	1.18	
1.350 1.400	27.00	71.10	22.40	16.50	81.05	21.88	5.12	
1.400 1.450	7.50	78.60	28.00	17.60	60.87	4.56	2.94	
1.450 1.500	7.50	86.10	42.90	19.80	39.71	2.98	4.52	
1.500 1.600	2.10	88.20	49.20	20.50	16.64	.35	1.75	
1.600 1.700	3.40	91.60	55.50	21.80	3.80	.13	3.27	
1.700 1.800	1.30	92.90	61.40	22.35	.68	.01	1.29	
1.800 1.900	2.60	95.50	65.00	23.51	.11	.00	2.60	
1.900 2.800	4.50	100.00	69.60	25.59	.00	.00	4.50	

HEAD ASH OF WASHABILITY DATA = 25.59
 AVERAGE S.G. FEED = 1.429
 AVERAGE S.G. FLOATS = 1.341
 AVERAGE S.G. SINKS = 1.660

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1
 IMPERFECTION = 0.112 PREDICTED YIELD 72.51% YIELD ERROR 7.99%
 F2 = 1.250 ASH 18.15% ASH ERROR 1.45%
 PREDICTED REJECTS 27.49% ORGANIC EFFICIENCY 90.07%
 PD = 1.450 ASH 45.20%
 EP = .0630

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 515
 DATA SET NAME: HAT CREEK B 2x1
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	23.80	23.80	9.80	9.80	99.93	23.78	.02
1.300 1.350	20.30	44.10	16.50	12.88	99.45	20.19	.11
1.350 1.400	27.00	71.10	22.40	16.50	96.77	26.13	.87
1.400 1.450	7.50	78.60	28.00	17.60	89.33	6.70	.80
1.450 1.500	7.50	86.10	42.90	19.80	76.04	5.70	1.80
1.500 1.600	2.10	88.20	49.20	20.50	50.00	1.05	1.05
1.600 1.700	3.40	91.60	55.50	21.80	21.01	.71	2.69
1.700 1.800	1.30	92.90	61.40	22.35	6.72	.09	1.21
1.800 1.900	2.60	95.50	65.00	23.51	1.78	.05	2.55
1.900 2.800	4.50	100.00	69.60	25.59	.00	.00	4.50

HEAD ASH OF WASHABILITY DATA = 25.59
 AVERAGE S.G. FEED = 1.429
 AVERAGE S.G. FLOATS = 1.354
 AVERAGE S.G. SINKS = 1.836

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1

IMPERFECTION = 0.112 PREDICTED YIELD 84.40% YIELD ERROR 2.14%

F2 = 1.250 ASH 19.95% ASH ERROR .65%

PD = 1.550 PREDICTED REJECTS 15.60% ORGANIC EFFICIENCY 97.53%

EP = .0770 ASH 56.11%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 515
 DATA SET NAME: HAT CREEK B 2x1
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION		% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	23.80	23.80	9.80	9.80	100.00	23.80	.00
1.300	1.350	20.30	44.10	16.50	12.88	100.00	20.30	.00
1.350	1.400	27.00	71.10	22.40	16.50	99.96	26.99	.01
1.400	1.450	7.50	78.60	28.00	17.60	99.69	7.48	.02
1.450	1.500	7.50	86.10	42.90	19.80	98.63	7.40	.10
1.500	1.600	2.10	88.20	49.20	20.50	93.28	1.96	.14
1.600	1.700	3.40	91.60	55.50	21.80	75.51	2.57	.83
1.700	1.800	1.30	92.90	61.40	22.35	50.00	.65	.65
1.800	1.900	2.60	95.50	65.00	23.51	27.29	.71	1.89
1.900	2.800	4.50	100.00	69.60	25.59	.23	.01	4.49

HEAD ASH OF WASHABILITY DATA = 25.59
 AVERAGE S.G. FEED = 1.429
 AVERAGE S.G. FLOATS = 1.371
 AVERAGE S.G. SINKS = 2.085

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1

IMPERFECTION = 0.112 PREDICTED YIELD 91.86% YIELD ERROR .32%

F2 = 1.250 ASH 22.05% ASH ERROR .14%

PREDICTED REJECTS 8.14% ORGANIC EFFICIENCY 99.65%

PD = 1.750 ASH 65.56%

EP = .1050

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 517
 DATA SET NAME: HAT CREEK B 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	18.10	7.50	7.50	97.72	17.69	.41	
1.300	1.350	22.70	14.90	11.62	93.72	21.28	1.42	
1.350	1.400	20.20	28.20	17.11	84.68	17.11	3.09	
1.400	1.450	10.40	37.00	20.01	71.83	7.47	2.93	
1.450	1.500	9.20	41.90	22.50	57.24	5.27	3.93	
1.500	1.600	6.60	51.40	24.69	36.73	2.42	4.18	
1.600	1.700	4.30	58.60	26.29	17.54	.75	3.55	
1.700	1.800	2.20	66.60	27.23	7.47	.16	2.04	
1.800	1.900	1.60	69.30	27.94	2.96	.05	1.55	
1.900	2.800	4.70	72.30	30.02	.02	.00	4.70	

HEAD ASH OF WASHABILITY DATA = 30.02
 AVERAGE S.G. FEED = 1.447
 AVERAGE S.G. FLOATS = 1.361
 AVERAGE S.G. SINKS = 1.671

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2

IMPERFECTION = 0.152 PREDICTED YIELD 72.20%

F2 = 1.250

PREDICTED REJECTS 27.80%

PD = 1.500

EP = .0950

YIELD ERROR 7.76%
 ASH 22.33% ASH ERROR 2.11%
 ORGANIC EFFICIENCY 90.29%
 ASH 50.00%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 517
 DATA SET NAME: HAT CREEK B 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	18.10	18.10	7.50	7.50	99.60	18.03	.07
1.300 1.350	22.70	40.80	14.90	11.62	98.54	22.37	.33
1.350 1.400	20.20	61.00	28.20	17.11	95.27	19.24	.96
1.400 1.450	10.40	71.40	37.00	20.01	89.00	9.26	1.14
1.450 1.500	9.20	80.60	41.90	22.50	79.69	7.33	1.87
1.500 1.600	6.60	87.20	51.40	24.69	62.15	4.10	2.50
1.600 1.700	4.30	91.50	58.60	26.29	38.80	1.67	2.63
1.700 1.800	2.20	93.70	66.60	27.23	21.37	.47	1.73
1.800 1.900	1.60	95.30	69.30	27.94	10.77	.17	1.43
1.900 2.800	4.70	100.00	72.30	30.02	.20	.01	4.69

HEAD ASH OF WASHABILITY DATA = 30.02
 AVERAGE S.G. FEED = 1.447
 AVERAGE S.G. FLOATS = 1.374
 AVERAGE S.G. SINKS = 1.795

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2
 IMPERFECTION = 0.152 PREDICTED YIELD 82.65% YIELD ERROR 3.55%
 F2 = 1.250 ASH 24.36% ASH ERROR 1.18%
 PREDICTED REJECTS 17.35% ORGANIC EFFICIENCY 95.88%
 PD = 1.600 ASH 57.00%
 EP = .1140

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 517
 DATA SET NAME: HAT CREEK B 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	18.10	18.10	7.50	7.50	99.99	18.10	.00	
1.300 1.350	22.70	40.80	14.90	11.62	99.93	22.68	.02	
1.350 1.400	20.20	61.00	28.20	17.11	99.65	20.13	.07	
1.400 1.450	10.40	71.40	37.00	20.01	98.78	10.27	.13	
1.450 1.500	9.20	80.60	41.90	22.50	96.81	8.91	.29	
1.500 1.600	6.60	87.20	51.40	24.69	90.87	6.00	.60	
1.600 1.700	4.30	91.50	58.60	26.29	76.98	3.31	.99	
1.700 1.800	2.20	93.70	66.60	27.23	59.08	1.30	.90	
1.800 1.900	1.60	95.30	69.30	27.94	41.47	.66	.94	
1.900 2.800	4.70	100.00	72.30	30.02	3.14	.15	4.55	

HEAD ASH OF WASHABILITY DATA = 30.02
 AVERAGE S.G. FEED = 1.447
 AVERAGE S.G. FLOATS = 1.392
 AVERAGE S.G. SINKS = 2.038

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2
 IMPERFECTION = 0.152 PREDICTED YIELD 91.51% YIELD ERROR .87%
 F2 = 1.250 ASH 26.67% ASH ERROR .38%
 PREDICTED REJECTS 8.49% ORGANIC EFFICIENCY 99.05%
 PD = 1.800 ASH 66.22%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519
 DATA SET NAME: HAT CRK B 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	16.40	7.50	7.50	97.26	15.95	.45
1.300	1.350	23.10	15.70	12.30	93.79	21.67	1.43
1.350	1.400	18.50	24.00	16.03	86.84	16.07	2.43
1.400	1.450	8.40	33.00	18.18	77.44	6.50	1.90
1.450	1.500	6.80	40.60	20.26	66.58	4.53	2.27
1.500	1.600	7.60	50.50	23.10	50.00	3.80	3.80
1.600	1.700	4.40	56.90	24.85	31.28	1.38	3.02
1.700	1.800	6.10	63.50	27.43	18.24	1.11	4.99
1.800	1.900	4.30	70.00	29.35	10.17	.44	3.86
1.900	2.800	4.40	74.30	31.32	.43	.02	4.38

HEAD ASH OF WASHABILITY DATA = 31.32
 AVERAGE S.G. FEED = 1.471
 AVERAGE S.G. FLOATS = 1.374
 AVERAGE S.G. SINKS = 1.714

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4
 IMPERFECTION = 0.185 PREDICTED YIELD 71.46% YIELD ERROR 8.06%
 F2 = 1.250 ASH 22.62% ASH ERROR 2.90%
 PREDICTED REJECTS 28.54% ORGANIC EFFICIENCY 89.86%
 PD = 1.550 ASH 53.11%
 EP = .1272

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519
 DATA SET NAME: HAT CRK B 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000	1.300	16.40	7.50	7.50	99.20	16.27	.13
1.300	1.350	23.10	15.70	12.30	97.86	22.61	.49
1.350	1.400	18.50	24.00	16.03	94.60	17.50	1.00
1.400	1.450	8.40	33.00	18.18	89.28	7.50	.90
1.450	1.500	6.80	40.60	20.26	82.03	5.58	1.22
1.500	1.600	7.60	50.50	23.10	68.72	5.22	2.38
1.600	1.700	4.40	56.90	24.85	50.00	2.20	2.20
1.700	1.800	6.10	63.50	27.43	33.79	2.06	4.04
1.800	1.900	4.30	70.00	29.35	21.66	.93	3.37
1.900	2.800	4.40	74.30	31.32	1.63	.07	4.33

HEAD ASH OF WASHABILITY DATA = 31.32
 AVERAGE S.G. FEED = 1.471
 AVERAGE S.G. FLOATS = 1.389
 AVERAGE S.G. SINKS = 1.798

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 79.94%

F2 = 1.250 ASH 24.53%

PREDICTED REJECTS 20.06%

PD = 1.650 ASH 58.38%

EP = .1503

YIELD ERROR 4.47%

ASH ERROR 1.75%

ORGANIC EFFICIENCY 94.71%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519
 DATA SET NAME: HAT CRK B 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	16.40	16.40	7.50	7.50	99.77	16.36	.04	
1.300 1.350	23.10	39.50	15.70	12.30	99.27	22.93	.17	
1.350 1.400	18.50	58.00	24.00	16.03	97.86	18.10	.40	
1.400 1.450	8.40	66.40	33.00	18.18	95.15	7.99	.41	
1.450 1.500	6.80	73.20	40.60	20.26	90.90	6.18	.62	
1.500 1.600	7.60	80.80	50.50	23.10	81.76	6.21	1.39	
1.600 1.700	4.40	85.20	56.90	24.85	66.21	2.91	1.49	
1.700 1.800	6.10	91.30	63.50	27.43	50.00	3.05	3.05	
1.800 1.900	4.30	95.60	70.00	29.35	35.73	1.54	2.76	
1.900 2.800	4.40	100.00	74.30	31.32	4.29	.19	4.21	

HEAD ASH OF WASHABILITY DATA = 31.32
 AVERAGE S.G. FEED = 1.471
 AVERAGE S.G. FLOATS = 1.402
 AVERAGE S.G. SINKS = 1.876

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4
 IMPERFECTION = 0.185 PREDICTED YIELD 85.47% YIELD ERROR 2.57%
 F2 = 1.250 ASH 26.05% ASH ERROR 1.09%
 PREDICTED REJECTS 14.53% ORGANIC EFFICIENCY 97.08%
 PD = 1.750 ASH 62.34%
 EP = .1734

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 519
 DATA SET NAME: HAT CRK B 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	16.40	16.40	7.50	7.50	99.93	16.39	.01
1.300 1.350	23.10	39.50	15.70	12.30	99.75	23.04	.06
1.350 1.400	18.50	58.00	24.00	16.03	99.16	18.34	.16
1.400 1.450	8.40	66.40	33.00	18.18	97.86	8.22	.18
1.450 1.500	6.80	73.20	40.60	20.26	95.55	6.50	.30
1.500 1.600	7.60	80.80	50.50	23.10	89.83	6.83	.77
1.600 1.700	4.40	85.20	56.90	24.85	78.34	3.45	.95
1.700 1.800	6.10	91.30	63.50	27.43	64.27	3.92	2.18
1.800 1.900	4.30	95.60	70.00	29.35	50.00	2.15	2.15
1.900 2.800	4.40	100.00	74.30	31.32	8.82	.39	4.01

HEAD ASH OF WASHABILITY DATA = 31.32
 AVERAGE S.G. FEED = 1.471
 AVERAGE S.G. FLOATS = 1.414
 AVERAGE S.G. SINKS = 1.949

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 89.23%

YIELD ERROR 1.59%

F2 = 1.250 ASH 27.23%

ASH ERROR .67%

PREDICTED REJECTS 10.77%

ORGANIC EFFICIENCY 98.25%

PD = 1.850 ASH 65.27%

EP = .1966

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 521
 DATA SET NAME: HAT CRK B 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	9.00	9.00	8.40	8.40	96.22	8.66	.34
1.300	1.350	19.70	28.70	12.60	11.28	92.25	18.17	1.53
1.350	1.400	20.50	49.20	21.10	15.37	84.97	17.42	3.08
1.400	1.450	6.50	55.70	30.00	17.08	75.70	4.92	1.58
1.450	1.500	6.10	61.80	39.50	19.29	65.40	3.99	2.11
1.500	1.600	14.40	76.20	46.50	24.43	50.00	7.20	7.20
1.600	1.700	8.70	84.90	52.70	27.33	32.58	2.83	5.87
1.700	1.800	5.10	90.00	57.70	29.05	20.10	1.02	4.08
1.800	1.900	2.90	92.90	68.60	30.29	11.97	.35	2.55
1.900	2.800	7.10	100.00	75.20	33.48	.76	.05	7.05

HEAD ASH OF WASHABILITY DATA = 33.48
 AVERAGE S.G. FEED = 1.518
 AVERAGE S.G. FLOATS = 1.400
 AVERAGE S.G. SINKS = 1.733

PROCESS: BAUM JIG
 SIZE RANGE: 1/4 x 1/8
 IMPERFECTION = 0.200 PREDICTED YIELD 64.62% YIELD ERROR 10.13%
 F2 = 1.250 ASH 23.92% ASH ERROR 3.62%
 PREDICTED REJECTS 35.38% ORGANIC EFFICIENCY 86.45%
 PD = 1.550 ASH 50.93%
 EP = .1375

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 521
 DATA SET NAME: HAT CRK B 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	9.00	9.00	8.40	8.40	98.71	8.88	.12
1.300	1.350	19.70	28.70	12.60	11.28	96.95	19.10	.60
1.350	1.400	20.50	49.20	21.10	15.37	93.14	19.09	1.41
1.400	1.450	6.50	55.70	30.00	17.08	87.46	5.68	.82
1.450	1.500	6.10	61.80	39.50	19.29	80.17	4.89	1.21
1.500	1.600	14.40	76.20	46.50	24.43	67.42	9.71	4.69
1.600	1.700	8.70	84.90	52.70	27.33	50.00	4.35	4.35
1.700	1.800	5.10	90.00	57.70	29.05	34.95	1.78	3.32
1.800	1.900	2.90	92.90	68.60	30.29	23.42	.68	2.22
1.900	2.800	7.10	100.00	75.20	33.48	2.41	.17	6.93

HEAD ASH OF WASHABILITY DATA = 33.48
 AVERAGE S.G. FEED = 1.518
 AVERAGE S.G. FLOATS = 1.416
 AVERAGE S.G. SINKS = 1.811

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8

IMPERFECTION = 0.200	PREDICTED YIELD	74.34%	YIELD ERROR	6.23%
F2 = 1.250	ASH	25.89%	ASH ERROR	2.12%
	PREDICTED REJECTS	25.66%	ORGANIC EFFICIENCY	92.27%
PD = 1.650	ASH	55.45%		
EP = .1625				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 521
 DATA SET NAME: HAT CRK B 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	9.00	9.00	8.40	8.40	99.56	8.96	.04
1.300 1.350	19.70	28.70	12.60	11.28	98.81	19.47	.23
1.350 1.400	20.50	49.20	21.10	15.37	96.95	19.87	.63
1.400 1.450	6.50	55.70	30.00	17.08	93.76	6.09	.41
1.450 1.500	6.10	61.80	39.50	19.29	89.15	5.44	.66
1.500 1.600	14.40	76.20	46.50	24.43	79.90	11.51	2.89
1.600 1.700	8.70	84.90	52.70	27.33	65.05	5.66	3.04
1.700 1.800	5.10	90.00	57.70	29.05	50.00	2.55	2.55
1.800 1.900	2.90	92.90	68.60	30.29	36.76	1.07	1.83
1.900 2.800	7.10	100.00	75.20	33.48	5.61	.40	6.70

HEAD ASH OF WASHABILITY DATA = 33.48
 AVERAGE S.G. FEED = 1.518
 AVERAGE S.G. FLOATS = 1.430
 AVERAGE S.G. SINKS = 1.890

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8

IMPERFECTION = 0.200	PREDICTED YIELD	81.01%	YIELD ERROR	4.14%
F2 = 1.250	ASH	27.42%	ASH ERROR	1.38%
	PREDICTED REJECTS	18.99%	ORGANIC EFFICIENCY	95.14%
	ASH	59.33%		

PD = 1.750
 EP = .1875

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 521

DATA SET NAME: HAT CRK B 1/4x1/8

DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	9.00	9.00	8.40	8.40	99.84	8.99	.01
1.300 1.350	19.70	28.70	12.60	11.28	99.53	19.61	.09
1.350 1.400	20.50	49.20	21.10	15.37	98.65	20.22	.28
1.400 1.450	6.50	55.70	30.00	17.08	96.95	6.30	.20
1.450 1.500	6.10	61.80	39.50	19.29	94.21	5.75	.35
1.500 1.600	14.40	76.20	46.50	24.43	88.03	12.68	1.72
1.600 1.700	8.70	84.90	52.70	27.33	76.58	6.66	2.04
1.700 1.800	5.10	90.00	57.70	29.05	63.24	3.23	1.87
1.800 1.900	2.90	92.90	68.60	30.29	50.00	1.45	1.45
1.900 2.800	7.10	100.00	75.20	33.48	10.56	.75	6.35

HEAD ASH OF WASHABILITY DATA = 33.48

AVERAGE S.G. FEED = 1.518

AVERAGE S.G. FLOATS = 1.443

AVERAGE S.G. SINKS = 1.965

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8

IMPERFECTION = 0.200 PREDICTED YIELD 85.63% YIELD ERROR 2.99%

F2 = 1.250 ASH 28.59% ASH ERROR 1.01%

PD = 1.850 PREDICTED REJECTS 14.37% ORGANIC EFFICIENCY 96.63%

EP = .2125 ASH 62.61%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 523

DATA SET NAME: HAT CRK B 1/8x28M

DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	2.30	2.30	6.50	6.50	95.08	2.19	.11
1.300 1.350	10.40	12.70	11.50	10.59	90.70	9.43	.97
1.350 1.400	9.70	22.40	18.50	14.02	83.22	8.07	1.63
1.400 1.450	9.00	31.40	22.00	16.31	74.16	6.67	2.33
1.450 1.500	15.80	47.20	29.10	20.59	64.38	10.17	5.63
1.500 1.600	10.60	57.80	44.00	24.88	50.00	5.30	5.30
1.600 1.700	14.00	71.80	50.10	29.80	33.73	4.72	9.28
1.700 1.800	8.10	79.90	54.30	32.28	21.78	1.76	6.34
1.800 1.900	5.50	85.40	64.90	34.38	13.69	.75	4.75
1.900 2.800	14.60	100.00	75.10	40.33	1.20	.17	14.43

HEAD ASH OF WASHABILITY DATA = 40.33

AVERAGE S.G. FEED = 1.644

AVERAGE S.G. FLOATS = 1.458

AVERAGE S.G. SINKS = 1.824

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M

IMPERFECTION = 0.215 PREDICTED YIELD 49.25%

YIELD ERROR 15.31%

F2 = 1.250 ASH 27.26%

ASH ERROR 5.84%

PREDICTED REJECTS 50.75%

ORGANIC EFFICIENCY 76.29%

PD = 1.530 ASH 53.01%

EP = .1478

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 523
 DATA SET NAME: HAT CRK B 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.600 1.300	2.30	2.30	6.50	6.50	98.09	2.26	.04
1.300 1.350	10.40	12.70	11.50	10.59	95.93	9.98	.42
1.350 1.400	9.70	22.40	18.50	14.02	91.67	8.89	.81
1.400 1.450	9.00	31.40	22.00	16.31	85.73	7.72	1.28
1.450 1.500	15.80	47.20	29.10	20.59	78.48	12.40	3.40
1.500 1.600	10.60	57.80	44.00	24.88	66.27	7.03	3.57
1.600 1.700	14.00	71.80	50.10	29.80	50.00	7.00	7.00
1.700 1.800	8.10	79.90	54.30	32.28	35.95	2.91	5.19
1.800 1.900	5.50	85.40	64.90	34.38	25.00	1.38	4.12
1.900 2.800	14.60	100.00	75.10	40.33	3.30	.48	14.12

HEAD ASH OF WASHABILITY DATA = 40.33
 AVERAGE S.G. FEED = 1.644
 AVERAGE S.G. FLOATS = 1.480
 AVERAGE S.G. SINKS = 1.890

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M
 IMPERFECTION = 0.215 PREDICTED YIELD 60.03% YIELD ERROR 10.76%
 F2 = 1.250 ASH 29.45% ASH ERROR 3.78%
 PREDICTED REJECTS 39.97% ORGANIC EFFICIENCY 84.80%
 PD = 1.650 ASH 56.67%
 EP = .1747

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION,
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 523
 DATA SET NAME: HAT CRK B 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	2.30	2.30	6.50	6.50	99.25	2.28	.02
1.300 1.350	10.40	12.70	11.50	10.59	98.23	10.22	.18
1.350 1.400	9.70	22.40	18.50	14.02	95.93	9.31	.39
1.400 1.450	9.00	31.40	22.00	16.31	92.34	8.31	.69
1.450 1.500	15.80	47.20	29.10	20.59	87.46	13.82	1.98
1.500 1.600	10.60	57.80	44.00	24.88	78.22	8.29	2.31
1.600 1.700	14.00	71.80	50.10	29.80	64.05	8.97	5.03
1.700 1.800	8.10	79.90	54.30	32.28	50.00	4.05	4.05
1.800 1.900	5.50	85.40	64.90	34.38	37.65	2.07	3.43
1.900 2.800	14.60	100.00	75.10	40.33	6.97	1.02	13.58

HEAD ASH OF WASHABILITY DATA = 40.33
 AVERAGE S.G. FEED = 1.644
 AVERAGE S.G. FLOATS = 1.499
 AVERAGE S.G. SINKS = 1.956

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M
 IMPERFECTION = 0.215 PREDICTED YIELD 68.33% YIELD ERROR 8.15%
 F2 = 1.250 ASH 31.23% ASH ERROR 2.65%
 PREDICTED REJECTS 31.67% ORGANIC EFFICIENCY 89.34%
 ASH 59.95%

PD = 1.750
 EP = .2016

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 523
 DATA SET NAME: HAT CRK B 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS		
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION % NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	2.30	6.50	6.50	99.70	2.29	.01
1.300	1.350	10.40	11.50	10.59	99.22	10.32	.08
1.350	1.400	9.70	18.50	14.02	98.02	9.51	.19
1.400	1.450	9.00	22.00	16.31	95.93	8.63	.37
1.450	1.500	15.80	29.10	20.59	92.83	14.67	1.13
1.500	1.600	10.60	44.00	24.88	86.31	9.15	1.45
1.600	1.700	14.00	50.10	29.80	75.00	10.50	3.50
1.700	1.800	8.10	54.30	32.28	62.35	5.05	3.05
1.800	1.900	5.50	64.90	34.38	50.00	2.75	2.75
1.900	2.800	14.60	75.10	40.33	12.24	1.79	12.81

HEAD ASH OF WASHABILITY DATA = 40.33
 AVERAGE S.G. FEED = 1.644
 AVERAGE S.G. FLOATS = 1.517
 AVERAGE S.G. SINKS = 2.018

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M

IMPERFECTION = 0.215 PREDICTED YIELD 74.66% YIELD ERROR 6.35%

F2 = 1.250 ASH 32.71% ASH ERROR 2.03%

PREDICTED REJECTS 25.34% ORGANIC EFFICIENCY 92.16%

PD = 1.850 ASH 62.78%

EP = .2284

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 547
 DATA SET NAME: HAT CREEK B 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000	1.300	19.11	8.28	8.28	91.25	17.44	1.67
1.300	1.350	22.18	15.57	12.20	85.07	18.87	3.31
1.350	1.400	21.51	25.03	16.59	75.62	16.27	5.24
1.400	1.450	8.95	33.71	18.73	65.25	5.84	3.11
1.450	1.500	7.95	41.80	21.03	54.92	4.37	3.58
1.500	1.600	5.69	50.79	23.01	40.91	2.33	3.36
1.600	1.700	4.09	57.30	24.58	26.33	1.08	3.01
1.700	1.800	3.22	64.11	25.95	16.39	.53	2.69
1.800	1.900	2.75	68.54	27.18	10.02	.28	2.47
1.900	2.800	4.55	72.20	29.23	.83	.04	4.51

HEAD ASH OF WASHABILITY DATA = 29.23

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.500

EP = .1400

PREDICTED YIELD 67.03%

ASH 21.78%

PREDICTED REJECTS 32.97%

ASH 44.36%

YIELD ERROR 14.84%

ASH ERROR 4.18%

ORGANIC EFFICIENCY 81.87%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 547

DATA SET NAME: HAT CREEK B 2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	19.11	19.11	8.28	8.28	96.38	18.42	.69
1.300 1.350	22.18	41.29	15.57	12.20	93.05	20.64	1.54
1.350 1.400	21.51	62.80	25.03	16.59	87.16	18.75	2.76
1.400 1.450	8.95	71.75	33.71	18.73	79.73	7.14	1.81
1.450 1.500	7.95	79.70	41.80	21.03	71.35	5.67	2.28
1.500 1.600	5.69	85.39	50.79	23.01	58.31	3.32	2.37
1.600 1.700	4.09	89.48	57.30	24.58	42.34	1.73	2.36
1.700 1.800	3.22	92.70	64.11	25.95	29.51	.95	2.27
1.800 1.900	2.75	95.45	68.54	27.18	20.03	.55	2.20
1.900 2.800	4.55	100.00	72.20	29.23	2.52	.11	4.44

HEAD ASH OF WASHABILITY DATA = 29.23

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.600

EP = .1680

PREDICTED YIELD 77.28%

ASH 23.23%

PREDICTED REJECTS 22.72%

ASH 49.61%

YIELD ERROR 8.69%

ASH ERROR 2.91%

ORGANIC EFFICIENCY 89.89%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 547
 DATA SET NAME: HAT CREEK B 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	19.11	19.11	8.28	8.28	98.50	18.82	.29	
1.300 1.350	22.18	41.29	15.57	12.20	96.80	21.47	.71	
1.350 1.400	21.51	62.80	25.03	16.59	93.40	20.09	1.42	
1.400 1.450	8.95	71.75	33.71	18.73	88.57	7.93	1.02	
1.450 1.500	7.95	79.70	41.80	21.03	82.53	6.56	1.39	
1.500 1.600	5.69	85.39	50.79	23.01	71.97	4.10	1.59	
1.600 1.700	4.09	89.48	57.30	24.58	57.10	2.34	1.75	
1.700 1.800	3.22	92.70	64.11	25.95	43.39	1.40	1.82	
1.800 1.900	2.75	95.45	68.54	27.18	31.97	.88	1.87	
1.900 2.800	4.55	100.00	72.20	29.23	5.65	.26	4.29	

HEAD ASH OF WASHABILITY DATA = 29.23

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.200

F2 = 1.000

PD = 1.700

EP = .1960

PREDICTED YIELD 83.83%

ASH 24.39%

PREDICTED REJECTS 16.17%

ASH 54.32%

YIELD ERROR 5.15%

ASH ERROR 1.92%

ORGANIC EFFICIENCY 94.21%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 547
 DATA SET NAME: HAT CREEK B 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	19.11	19.11	8.28	8.28	99.36	18.99	.12
1.300 1.350	22.18	41.29	15.57	12.20	98.52	21.85	.33
1.350 1.400	21.51	62.80	25.03	16.59	96.63	20.78	.73
1.400 1.450	8.95	71.75	33.71	18.73	93.65	8.38	.57
1.450 1.500	7.95	79.70	41.80	21.03	89.58	7.12	.83
1.500 1.600	5.89	85.39	50.79	23.01	81.70	4.65	1.04
1.600 1.700	4.09	89.48	57.30	24.58	69.18	2.83	1.26
1.700 1.800	3.22	92.70	64.11	25.95	56.19	1.81	1.41
1.800 1.900	2.75	95.45	68.54	27.18	44.19	1.22	1.53
1.900 2.800	4.55	100.00	72.20	29.23	10.34	.47	4.08

HEAD ASH OF WASHABILITY DATA = 29.23

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.800

EP = .2240

PREDICTED YIELD 88.10%

ASH 25.31%

PREDICTED REJECTS 11.90%

ASH 58.27%

YIELD ERROR 3.08%

ASH ERROR 1.25%

ORGANIC EFFICIENCY 96.62%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES DE CANADA **

F1304

COMPOSITE OF PREDICTIONS

1-B

DATE: 19 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	58.50
TOTAL	3.50	.00	58.50

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 47.50% ROM

VARIABLE PROCESS 3: 14.00% ROM

H7M BATH #174

H7M CYCL 174 x 28M

W70 CYCL 28M x 100M

PD	% YLD	% ASH
1.500	77.90	20.90
1.600	85.20	23.20
1.700	89.40	24.70
1.800	92.40	25.90

PD	% YLD	% ASH
1.400	30.40	16.50
1.500	49.50	20.90
1.600	63.60	25.20
1.700	74.40	28.60
1.800	81.90	30.90

PD	% YLD	% ASH
1.500	21.30	29.30
1.600	31.10	32.60
1.700	40.70	35.70
1.800	48.90	38.00

VARIABLE PROCESS 1: H/M BATH +1/4

1-B

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.5

PD'S FOR VAR. PR. 1: H/M BATH		PD'S FOR VAR. PR. 2: H/M CYCL				
		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	44.69	53.76	60.46	65.59	69.15
	% ASH	20.04	21.37	23.46	25.43	26.89
1.600	% YLD	47.24	56.31	63.01	68.14	71.70
	% ASH	21.54	22.56	24.45	26.27	27.63
1.700	% YLD	48.71	57.78	64.48	69.61	73.17
	% ASH	22.55	23.39	25.15	26.88	28.18
1.800	% YLD	49.76	58.83	65.53	70.66	74.22
	% ASH	23.38	24.07	25.73	27.39	28.66

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1-B

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.6

PD'S FOR VAR. PR. 1: H/M BATH	PD'S FOR VAR. PR. 2: H/M CYCL				
	1.400	1.500	1.600	1.700	1.800
1.500 % YLD	46.06	55.13	61.83	66.96	70.52
% ASH	20.63	21.82	23.82	25.72	27.14
1.600 % YLD	48.61	57.69	64.38	69.51	73.08
% ASH	22.05	22.97	24.77	26.53	27.86
1.700 % YLD	50.08	59.16	65.85	70.98	74.55
% ASH	23.02	23.77	25.45	27.13	28.40
1.800 % YLD	51.13	60.21	66.90	72.03	75.60
% ASH	23.82	24.43	26.02	27.63	28.86

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1-B

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.7

PD'S FOR VAR. PR. 1: H/M BATH		PD'S FOR VAR. PR. 2: H/M CYCL				
		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	47.40	56.48	63.17	68.30	71.87
	% ASH	21.34	22.39	24.29	26.12	27.49
1.600	% YLD	49.96	59.03	65.73	70.86	74.42
	% ASH	22.69	23.49	25.20	26.90	28.18
1.700	% YLD	51.43	60.50	67.20	72.33	75.89
	% ASH	23.62	24.26	25.86	27.47	28.70
1.800	% YLD	52.48	61.55	68.25	73.38	76.94
	% ASH	24.38	24.90	26.41	27.96	29.15

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1-B

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/D CYCL 28M x 100M
THIS TABLE FOR PD = 1.8

PD'S FOR VAR. PR. 1: H/M BATH		PD'S FOR VAR. PR. 2: H/M CYCL				
		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	48.55	57.62	64.32	69.45	73.01
	% ASH	22.00	22.93	24.74	26.50	27.83
1.600	% YLD	51.11	60.18	66.88	72.01	75.57
	% ASH	23.29	23.99	25.62	27.26	28.50
1.700	% YLD	52.58	61.65	68.35	73.48	77.04
	% ASH	24.18	24.73	26.25	27.82	29.01
1.800	% YLD	53.63	62.70	69.40	74.53	78.09
	% ASH	24.91	25.35	26.79	28.29	29.45

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1-B

AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 22.00

MAXIMUM YIELD = 55.78

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	H/M CYCL 1/4 x 28M	1.530
3	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 24.00

MAXIMUM YIELD = 62.30

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	H/M CYCL 1/4 x 28M	1.609
3	W/O CYCL 28M x 100M	1.600

OVERALL CLEAN COAL ASH CONTENT = 26.50

MAXIMUM YIELD = 69.65

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.600
2	H/M CYCL 1/4 x 28M	1.677
3	W/O CYCL 28M x 100M	1.700

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** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

2-B

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M. x 0 RAW COAL	3.50	.00	58.50
TOTAL	3.50	.00	58.50

VARIABLE PROCESS 1: 82.50% ROM VARIABLE PROCESS 2: 14.00% ROM

BAUM JIG +28M

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.000	61.80	23.70
2.000	72.10	25.80
3.000	78.90	27.40
4.000	83.60	28.70

PD	% YLD	% ASH
1.500	21.30	29.30
1.600	31.10	32.60
1.700	40.70	35.70
1.800	48.90	38.00

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VARIABLE PROCESS 1: BAUM JIG +28M

2-B

VARIABLE PROCESS 2: W/O CYCL 28M x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: BAUM JIG		1.500	1.600	1.700	1.800
1.000	% YLD	53.97	55.34	56.68	57.83
	% ASH	24.01	24.40	24.91	25.39
2.000	% YLD	62.46	63.84	65.18	66.33
	% ASH	25.97	26.26	26.67	27.06
3.000	% YLD	68.07	69.45	70.79	71.94
	% ASH	27.48	27.73	28.07	28.41
4.000	% YLD	71.95	73.32	74.67	75.82
	% ASH	28.72	28.93	29.23	29.54

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

2-B

OVERALL CLEAN COAL ASH CONTENT = 25.00

MAXIMUM YIELD = 58.27

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	1.506
2	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 26.50

MAXIMUM YIELD = 64.74

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	2.162
2	W/O CYCL 28M x 100M	1.600

OVERALL CLEAN COAL ASH CONTENT = 28.00

MAXIMUM YIELD = 70.52

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	3.000
2	W/O CYCL 28M x 100M	1.680

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** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

3-B

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M. x 0 RAW COAL	3.50	.00	58.50
TOTAL	3.50	.00	58.50

VARIABLE PROCESS 1: 35.00% ROM VARIABLE PROCESS 2: 61.50% ROM

H/M BATH +1/4

W/O CYCL 1/4 x 100M

PD	% YLD	% ASH
1.500	77.90	20.90
1.600	85.20	23.20
1.700	89.40	24.70
1.800	92.40	25.90

PD	% YLD	% ASH
1.500	43.00	25.80
1.600	53.50	28.10
1.700	61.70	30.10
1.800	68.10	31.60

VARIABLE PROCESS 1: H/M BATH +1/4

3-B

VARIABLE PROCESS 2: W/O CYCL 1/4 x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: H/M BATH		1.500	1.600	1.700	1.800
1.500	% YLD	53.71	60.17	65.21	69.15
	% ASH	23.31	24.84	26.25	27.38
1.600	% YLD	56.27	62.72	67.77	71.70
	% ASH	24.42	25.77	27.06	28.11
1.700	% YLD	57.74	64.19	69.24	73.17
	% ASH	25.20	26.44	27.66	28.65
1.800	% YLD	58.79	65.24	70.29	74.22
	% ASH	25.86	27.01	28.17	29.12

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

3-B

OVERALL CLEAN COAL ASH CONTENT = 25.00

MAXIMUM YIELD = 60.75

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	W/O CYCL 1/4 x 100M	1.611

OVERALL CLEAN COAL ASH CONTENT = 26.50

MAXIMUM YIELD = 66.07

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	W/O CYCL 1/4 x 100M	1.722

OVERALL CLEAN COAL ASH CONTENT = 28.00

MAXIMUM YIELD = 71.33

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.585
2	W/O CYCL 1/4 x 100M	1.800

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** SIMON - CARVES OF CANADA **

F1304

4-B

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M. x 0 RAW COAL	3.50	.00	58.50
TOTAL	3.50	.00	58.50

VARIABLE PROCESS 1: 82.50% ROM VARIABLE PROCESS 2: 14.00% ROM

W/O CYCL 2 x 28M

PD	% YLD	% ASH
1.500	54.70	23.30
1.600	65.10	25.30
1.700	72.80	27.00
1.800	78.50	28.20

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.500	21.30	29.30
1.600	31.10	32.60
1.700	40.70	35.70
1.800	48.90	38.00

VARIABLE PROCESS 1: W/O CYCL 2 x 28M

4-B

VARIABLE PROCESS 2: W/O CYCL 28M x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: W/O CYCL		1.500	1.600	1.700	1.800
1.500	% YLD	48.11	49.48	50.83	51.97
	% ASH	23.67	24.12	24.69	25.24
1.600	% YLD	56.69	58.06	59.41	60.55
	% ASH	25.51	25.85	26.30	26.74
1.700	% YLD	63.04	64.41	65.76	66.91
	% ASH	27.11	27.38	27.75	28.13
1.800	% YLD	67.74	69.12	70.46	71.61
	% ASH	28.25	28.48	28.81	29.14

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

4-B

OVERALL CLEAN COAL ASH CONTENT = 25.00

MAXIMUM YIELD = 54.31

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.572
2	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 26.50

MAXIMUM YIELD = 60.77

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.643
2	W/O CYCL 28M x 100M	1.600

OVERALL CLEAN COAL ASH CONTENT = 28.00

MAXIMUM YIELD = 67.07

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.757
2	W/O CYCL 28M x 100M	1.600

W/O CYCL 2 x 28M

COLUMN

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** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

6-B

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
H/M BATH 10 PCT 1/2x1/4 (@1.6)	1.55	80.40	23.30
BLEND IN 90 PCT 1/2x0 RAW COAL	72.45	100.00	39.00
DISCARD 10 PCT 100Mx0 RAW COAL	.35	.00	58.50
TOTAL	74.35	99.12	38.73

VARIABLE PROCESS 1: 19.50% ROM

VARIABLE PROCESS 2: 6.15% ROM

H/M BATH +1/2

W/O CYCL 10 PCT 1/4 x 100M

PD	% YLD	% ASH
1.500	80.90	21.10
1.600	87.50	23.10
1.700	91.20	24.40
1.800	93.30	25.30

PD	% YLD	% ASH
1.500	43.00	25.80
1.600	53.50	28.10
1.700	61.70	30.10
1.800	68.10	31.60

VARIABLE PROCESS 1: H/M BATH +1/2

VARIABLE PROCESS 2: W/O CYCL 10 PCT 1/4 x 100M

6-B

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1:		1.500	1.600	1.700	1.800
H/M BATH					
1.500	% YLD	92.12	92.76	93.27	93.66
	% ASH	35.34	35.36	35.40	35.45
1.600	% YLD	93.40	94.05	94.55	94.95
	% ASH	35.51	35.53	35.57	35.61
1.700	% YLD	94.12	94.77	95.27	95.67
	% ASH	35.66	35.68	35.71	35.76
1.800	% YLD	94.53	95.18	95.68	96.08
	% ASH	35.79	35.80	35.84	35.88

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

6-B

OVERALL CLEAN COAL ASH CONTENT = 35.50

MAXIMUM YIELD = 94.09

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH #172	1.533
2	W/D CYCL 10 PCT 1/4 x 100M	1.800

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** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

7-B

DATE: 20 OCT 77

FIXED PROCESSES

	NAME	% ROM	% YLD	% ASH
BLEND IN 80 PCT 1/4x0 RAW	COAL	52.00	100.00	40.40
DISCARD 20 PCT 100Mx0 RAW	COAL	.70	.00	58.50
	TOTAL	52.70	98.67	40.40

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 12.30% ROM

H/M BATH +1/4

W/O CYCL 20 PCT 1/4 x 100M

PD	% YLD	% ASH
1.500	77.90	20.90
1.600	85.20	23.20
1.700	89.40	24.70
1.800	92.40	25.90

PD	% YLD	% ASH
1.500	43.00	25.80
1.600	53.50	28.10
1.700	61.70	30.10
1.800	68.10	31.60

VARIABLE PROCESS 1: H/M BATH +1/4

7-B

VARIABLE PROCESS 2: W/O CYCL 20 PCT 1/4 x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1:		1.500	1.600	1.700	1.800
H/M BATH					
1.500	% YLD	84.55	85.85	86.85	87.64
	% ASH	33.20	33.26	33.38	33.49
1.600	% YLD	87.11	88.40	89.41	90.20
	% ASH	33.63	33.68	33.79	33.90
1.700	% YLD	88.58	89.87	90.88	91.67
	% ASH	33.98	34.03	34.13	34.24
1.800	% YLD	89.63	90.92	91.93	92.72
	% ASH	34.31	34.35	34.45	34.55

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OVERALL CLEAN COAL ASH CONTENT = 33.75

MAXIMUM YIELD = 89.27

7-B

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.564
2	W/O CYCL 20 PCT 1/4 x 100M	1.800

OVERALL CLEAN COAL ASH CONTENT = 33.50

MAXIMUM YIELD = 87.69

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.502
2	W/O CYCL 20 PCT 1/4 x 100M	1.800

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F1304

** SIMON - CARVES OF CANADA **

BIRTLEY '76

COMPOSITE OF PREDICTIONS

B- Partial Wash 1/4 x 100M

DATE: 08 DEC 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
BLEND IN 50 PCT 1/4 x 100M RC	30.75	100.00	39.74
DISCARD 100M x 0 RC	3.50	.00	58.50
TOTAL	34.25	89.78	39.74

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 30.75% ROM

H/M BATH +1/4

W/O CYCL 50 PCT OF 1/4 x 100M

PD	% YLD	% ASH
1.500	77.90	20.90
1.600	85.20	23.20
1.700	89.40	24.70
1.800	92.40	25.90

PD	% YLD	% ASH
1.500	43.00	25.80
1.600	53.50	28.10
1.700	61.70	30.10
1.800	68.10	31.60

B

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: W/O CYCL 50 PCT OF 1/4 x 100M

PD'S FOR
VAR. PR. 1:
H/M BATH

PD'S FOR VAR. PR. 2: W/O CYCL

1.500 1.600 1.700 1.800

1.500	% YLD	71.24	74.47	76.99	78.96
	% ASH	29.94	30.27	30.69	31.08
1.600	% YLD	73.79	77.02	79.54	81.51
	% ASH	30.56	30.85	31.24	31.60
1.700	% YLD	75.26	78.49	81.01	82.98
	% ASH	31.04	31.30	31.67	32.01
1.800	% YLD	76.31	79.54	82.06	84.03
	% ASH	31.46	31.71	32.06	32.39

B

AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 30.50

MAXIMUM YIELD = 75.84

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	W/O CYCL 50 PCT OF 1/4 x 100M	1.654

OVERALL CLEAN COAL ASH CONTENT = 31.50

MAXIMUM YIELD = 81.03

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.581
2	W/O CYCL 50 PCT OF 1/4 x 100M	1.800

S E C T I O N

4

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 527
DATA SET NAME: HAT CREEK C 2x1

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	40.90	40.90	9.80	9.80
1.300 - 1.350	23.90	64.80	17.10	12.49
1.350 - 1.400	14.00	78.80	26.60	15.00
1.400 - 1.450	5.90	84.70	35.10	16.40
1.450 - 1.500	2.00	86.70	42.40	17.00
1.500 - 1.600	2.30	89.00	51.80	17.90
1.600 - 1.700	1.80	90.80	58.30	18.70
1.700 - 1.800	.80	91.60	64.50	19.10
1.800 - 1.900	1.00	92.60	74.70	19.70
1.900 - 2.800	7.40	100.00	78.30	24.04

HEAD ASH OF WASHABILITY DATA = 24.04
(HEAD ASH OF BULK SAMPLE = 24.50)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 529
DATA SET NAME: HAT CREEK C 1x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	47.70	47.70	8.70	8.70
1.300 - 1.350	16.30	64.00	13.80	10.00
1.350 - 1.400	11.10	75.10	26.90	12.50
1.400 - 1.450	9.10	84.20	34.70	14.90
1.450 - 1.500	2.00	86.20	40.80	15.50
1.500 - 1.600	2.80	89.00	50.50	16.60
1.600 - 1.700	1.90	90.90	54.90	17.40
1.700 - 1.800	3.10	94.00	59.90	18.80
1.800 - 1.900	.80	94.80	66.20	19.20
1.900 - 2.800	5.20	100.00	75.00	22.10

HEAD ASH OF WASHABILITY DATA = 22.10
(HEAD ASH OF BULK SAMPLE = 22.30)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531
DATA SET NAME: HAT CRK C 1/2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	41.70	41.70	7.90	7.90
1.300 - 1.350	21.70	63.40	16.40	10.81
1.350 - 1.400	7.80	71.20	26.30	12.51
1.400 - 1.450	8.40	79.60	34.30	14.81
1.450 - 1.500	4.00	83.60	42.00	16.11
1.500 - 1.600	2.10	85.70	48.70	16.91
1.600 - 1.700	2.20	87.90	56.90	17.91
1.700 - 1.800	2.80	90.70	63.30	19.31
1.800 - 1.900	2.80	93.50	72.70	20.91
1.900 - 2.800	6.50	100.00	78.20	24.63

HEAD ASH OF WASHABILITY DATA = 24.63
(HEAD ASH OF BULK SAMPLE = 24.40)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 533
DATA SET NAME: HAT CRK C 1/4x1/8

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	35.90	35.90	6.90	6.90
1.300 - 1.350	20.30	56.20	16.60	10.40
1.350 - 1.400	9.90	66.10	20.40	11.90
1.400 - 1.450	5.40	71.50	26.50	13.00
1.450 - 1.500	6.70	78.20	35.20	14.91
1.500 - 1.600	5.40	83.60	49.00	17.11
1.600 - 1.700	1.40	85.00	59.60	17.81
1.700 - 1.800	3.90	88.90	65.70	19.91
1.800 - 1.900	3.60	92.50	71.30	21.91
1.900 - 2.800	7.50	100.00	78.20	26.13

HEAD ASH OF WASHABILITY DATA = 26.13
(HEAD ASH OF BULK SAMPLE = 26.00)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 535
DATA SET NAME: HAT CRK C 1/8x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	21.70	21.70	6.10	6.10
1.300 - 1.350	20.80	42.50	13.70	9.82
1.350 - 1.400	14.10	56.60	18.20	11.91
1.400 - 1.450	3.60	60.20	28.60	12.91
1.450 - 1.500	10.80	71.00	37.90	16.71
1.500 - 1.600	4.20	75.20	48.90	18.51
1.600 - 1.700	4.20	79.40	58.20	20.61
1.700 - 1.800	7.60	87.00	64.30	24.42
1.800 - 1.900	4.00	91.00	69.90	26.42
1.900 - 2.800	9.00	100.00	76.70	30.95

HEAD ASH OF WASHABILITY DATA = 30.95
(HEAD ASH OF BULK SAMPLE = 30.20)

** S I M O N - C A R V E S O F C A N A D A **

DATA SET NUMBER: 537
DATA SET NAME: HAT CRK C 28x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.350	11.70	11.70	8.60	8.60
1.350 - 1.400	15.00	26.70	14.10	11.69
1.400 - 1.450	16.20	42.90	22.60	15.81
1.450 - 1.500	12.60	55.50	32.10	19.51
1.500 - 1.600	13.40	68.90	42.60	24.00
1.600 - 1.700	8.90	77.80	52.00	27.20
1.700 - 1.800	7.30	85.10	63.30	30.30
1.800 - 1.900	7.80	92.90	68.40	33.50
1.900 - 2.800	7.10	100.00	78.30	36.68

HEAD ASH OF WASHABILITY DATA = 36.68
(HEAD ASH OF BULK SAMPLE = 37.70)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 543
DATA SET NAME: HAT CREEK C 2x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	45.17	45.17	9.07	9.07
1.300 - 1.350	19.14	64.31	15.34	10.94
1.350 - 1.400	12.19	76.50	26.77	13.46
1.400 - 1.450	7.90	84.40	34.81	15.46
1.450 - 1.500	2.00	86.40	41.40	16.06
1.500 - 1.600	2.61	89.01	50.93	17.08
1.600 - 1.700	1.86	90.87	56.13	17.88
1.700 - 1.800	2.24	93.11	60.52	18.91
1.800 - 1.900	.87	93.98	69.84	19.38
1.900 - 2.800	6.02	100.00	76.52	22.82

HEAD ASH OF WASHABILITY DATA = 22.82
(HEAD ASH OF BULK SAMPLE = 22.82)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 549
DATA SET NAME: HAT CREEK C 2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	43.44	43.44	8.52	8.52
1.300 - 1.350	20.41	63.85	15.90	10.88
1.350 - 1.400	10.01	73.86	26.59	13.01
1.400 - 1.450	8.15	82.01	34.55	15.15
1.450 - 1.500	2.99	85.00	41.80	16.09
1.500 - 1.600	2.36	87.36	49.95	17.00
1.600 - 1.700	2.03	89.39	56.54	17.90
1.700 - 1.800	2.52	91.91	62.05	19.11
1.800 - 1.900	1.83	93.74	72.01	20.14
1.900 - 2.800	6.26	100.00	77.38	23.73

HEAD ASH OF WASHABILITY DATA = 23.73
(HEAD ASH OF BULK SAMPLE = 23.73)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 555
DATA SET NAME: HAT CREEK C 2x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	33.01	33.01	7.54	7.54
1.300 - 1.350	20.55	53.56	15.09	10.44
1.350 - 1.400	11.71	65.27	21.44	12.41
1.400 - 1.450	5.76	71.03	31.67	13.97
1.450 - 1.500	6.91	77.94	38.12	16.11
1.500 - 1.600	3.66	81.60	49.20	17.60
1.600 - 1.700	2.83	84.43	57.84	18.95
1.700 - 1.800	4.89	89.32	64.03	21.41
1.800 - 1.900	3.05	92.37	70.70	23.04
1.900 - 2.800	7.63	100.00	77.19	27.17

HEAD ASH OF WASHABILITY DATA = 27.17
(HEAD ASH OF BULK SAMPLE = 27.17)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 561
DATA SET NAME: HAT CR C 1/4x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	19.27	19.27	6.43	6.43
1.300 - 1.350	18.36	37.63	13.57	9.91
1.350 - 1.400	13.41	51.04	17.38	11.88
1.400 - 1.450	7.22	58.26	24.81	13.48
1.450 - 1.500	10.36	68.62	35.71	16.83
1.500 - 1.600	6.82	75.44	45.75	19.45
1.600 - 1.700	4.79	80.23	55.34	21.59
1.700 - 1.800	6.71	86.94	64.20	24.88
1.800 - 1.900	4.88	91.82	69.51	27.25
1.900 - 2.800	8.18	100.00	77.36	31.35

HEAD ASH OF WASHABILITY DATA = 31.35
(HEAD ASH OF BULK SAMPLE = 31.35)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 567
DATA SET NAME: HAT CRK C 1/4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.300	25.90	25.90	6.43	6.43
1.300 - 1.350	20.65	46.55	14.54	10.03
1.350 - 1.400	12.86	59.41	18.70	11.90
1.400 - 1.450	4.13	63.54	27.79	12.94
1.450 - 1.500	9.59	73.13	37.34	16.14
1.500 - 1.600	4.55	77.68	48.94	18.06
1.600 - 1.700	3.37	81.05	58.37	19.73
1.700 - 1.800	6.51	87.56	64.55	23.07
1.800 - 1.900	3.88	91.44	70.28	25.07
1.900 - 2.800	8.56	100.00	77.09	29.52

HEAD ASH OF WASHABILITY DATA = 29.52
(HEAD ASH OF BULK SAMPLE = 29.52)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 543
 DATA SET NAME: HAT CREEK C 2x1/2
 DATE: 21 JUN 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	45.17	45.17	9.07	9.07	100.00	45.17	.00	
1.300 1.350	19.14	64.31	15.34	10.94	99.78	19.10	.04	
1.350 1.400	12.19	76.50	26.77	13.46	98.55	12.01	.18	
1.400 1.450	7.90	84.40	34.81	15.46	95.96	7.58	.32	
1.450 1.500	2.00	86.40	41.40	16.06	73.11	1.46	.54	
1.500 1.600	2.61	89.01	50.93	17.08	15.78	.41	2.20	
1.600 1.700	1.86	90.87	56.13	17.88	5.34	.10	1.76	
1.700 1.800	2.24	93.11	60.52	18.91	1.91	.04	2.20	
1.800 1.900	.87	93.98	69.84	19.39	.27	.00	.87	
1.900 2.800	6.02	100.00	76.52	22.82	.00	.00	6.02	

HEAD ASH OF WASHABILITY DATA = 22.82

PROCESS: HEAVY MEDIUM BATH

F1 = 1.108	PREDICTED YIELD	85.88%	YIELD ERROR	.48%
F2 = 1.200	ASH	16.05%	ASH ERROR	.14%
PD = 1.500	PREDICTED REJECTS	14.12%	ORGANIC EFFICIENCY	99.45%
EP = .0273	ASH	64.00%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 543
 DATA SET NAME: HAT CREEK C 2x1/2
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	45.17	45.17	9.07	9.07	100.00	45.17	.00
1.300	1.350	19.14	64.31	15.34	10.94	100.00	19.14	.00
1.350	1.400	12.19	76.50	26.77	13.46	99.99	12.18	.01
1.400	1.450	7.90	84.40	34.81	15.46	99.02	7.82	.08
1.450	1.500	2.00	86.40	41.40	16.06	97.66	1.95	.05
1.500	1.600	2.61	89.01	50.93	17.08	85.21	2.22	.39
1.600	1.700	1.86	90.87	56.13	17.88	18.36	.34	1.52
1.700	1.800	2.24	93.11	60.52	18.91	6.75	.15	2.09
1.800	1.900	.87	93.98	69.84	19.38	3.10	.03	.84
1.900	2.800	6.02	100.00	76.52	22.82	.00	.00	6.02

HEAD ASH OF WASHABILITY DATA = 22.82

PROCESS: HEAVY MEDIUM BATH

F1 = 1.108	PREDICTED YIELD	89.01%	YIELD ERROR	.15%
F2 = 1.200	ASH	17.14%	ASH ERROR	.06%
PD = 1.600	PREDICTED REJECTS	10.99%	ORGANIC EFFICIENCY	99.83%
EP = .0335	ASH	68.75%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 543

DATA SET NAME: HAY CREEK C 2x1/2

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	45.17	45.17	9.07	9.07	100.00	45.17	.00
1.300 1.350	19.14	64.31	15.34	10.94	100.00	19.14	.00
1.350 1.400	12.19	76.50	26.77	13.46	100.00	12.19	.00
1.400 1.450	7.90	84.40	34.81	15.46	99.95	7.90	.00
1.450 1.500	2.00	86.40	41.40	16.06	99.33	1.99	.01
1.500 1.600	2.61	89.01	50.93	17.08	97.70	2.55	.06
1.600 1.700	1.86	90.87	56.13	17.88	80.57	1.50	.36
1.700 1.800	2.24	93.11	60.52	18.91	21.07	.47	1.77
1.800 1.900	.87	93.98	69.84	19.38	8.10	.07	.80
1.900 2.800	6.02	100.00	76.52	22.82	.00	.00	6.02

HEAD ASH OF WASHABILITY DATA = 22.82

PROCESS: HEAVY MEDIUM BATH

F1 = 1.108

F2 = 1.200

PD = 1.700

EP = .0398

PREDICTED YIELD 90.97%

ASH 17.96%

PREDICTED REJECTS 9.03%

ASH 71.74%

YIELD ERROR .08%

ASH ERROR .04%

ORGANIC EFFICIENCY 99.91%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 543
 DATA SET NAME: HAT CREEK C 2x1/2
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	45.17	45.17	9.07	9.07	100.00	45.17	.00
1.300 1.350	19.14	64.31	15.34	10.94	100.00	19.14	.00
1.350 1.400	12.19	76.50	26.77	13.46	100.00	12.19	.00
1.400 1.450	7.90	84.40	34.81	15.46	100.00	7.90	.00
1.450 1.500	2.00	86.40	41.40	16.06	99.98	2.00	.00
1.500 1.600	2.61	89.01	50.93	17.08	99.17	2.59	.02
1.600 1.700	1.86	90.87	56.13	17.88	97.21	1.81	.05
1.700 1.800	2.24	93.11	60.52	18.91	76.92	1.72	.52
1.800 1.900	.87	93.98	69.84	19.38	23.57	.21	.66
1.900 2.800	6.02	100.00	76.52	22.82	.62	.04	5.98

HEAD ASH OF WASHABILITY DATA = 22.82

PROCESS: HEAVY MEDIUM BATH

F1 = 1.108	PREDICTED YIELD	92.76%	YIELD ERROR	.08%
F2 = 1.200	ASH	18.78%	ASH ERROR	.04%
PD = 1.800	PREDICTED REJECTS	7.24%	ORGANIC EFFICIENCY	99.92%
EP = .0460	ASH	74.54%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531
 DATA SET NAME: HAT CRK C 1/2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA				PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	41.70	41.70	7.90	7.90	99.76	41.60	.10
1.300 1.350	21.70	63.40	16.40	10.81	98.99	21.48	.22
1.350 1.400	7.80	71.20	26.30	12.51	97.65	7.62	.18
1.400 1.450	8.40	79.60	34.30	14.81	93.38	7.84	.56
1.450 1.500	4.00	83.60	42.00	16.11	68.92	2.76	1.24
1.500 1.600	2.10	85.70	48.70	16.91	18.44	.39	1.71
1.600 1.700	2.20	87.90	56.90	17.91	6.79	.15	2.05
1.700 1.800	2.80	90.70	63.30	19.31	3.13	.09	2.71
1.800 1.900	2.80	93.50	72.70	20.91	1.29	.04	2.76
1.900 2.800	6.50	100.00	78.20	24.63	.00	.00	6.50

HEAD ASH OF WASHABILITY DATA = 24.63

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	81.96%	YIELD ERROR	.95%
F2 = 1.200	ASH	15.86%	ASH ERROR	.31%
PD = 1.500	PREDICTED REJECTS	18.04%	ORGANIC EFFICIENCY	98.86%
EP = .0337	ASH	64.38%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION. THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531
 DATA SET NAME: HAT CRK C 1/2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000 1.300	41.70	41.70	7.90	7.90	100.00	41.70	.00	
1.300 1.350	21.70	63.40	16.40	10.81	99.87	21.67	.03	
1.350 1.400	7.80	71.20	26.30	12.51	99.17	7.74	.06	
1.400 1.450	8.40	79.60	34.30	14.81	98.20	8.25	.15	
1.450 1.500	4.00	83.60	42.00	16.11	96.76	3.87	.13	
1.500 1.600	2.10	85.70	48.70	16.91	79.51	1.67	.43	
1.600 1.700	2.20	87.90	56.90	17.91	21.76	.48	1.72	
1.700 1.800	2.80	90.70	63.30	19.31	8.47	.24	2.56	
1.800 1.900	2.80	93.50	72.70	20.91	4.59	.13	2.67	
1.900 2.800	6.50	100.00	78.20	24.63	.00	.00	6.50	

HEAD ASH OF WASHABILITY DATA = 24.63

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	85.74%	YIELD ERROR	.40%
F2 = 1.200	ASH	17.11%	ASH ERROR	.18%
PD = 1.600	PREDICTED REJECTS	14.26%	ORGANIC EFFICIENCY	99.54%
EP = .0414	ASH	69.88%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531

DATA SET NAME: HAT CRK C 1/2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	41.70	41.70	7.90	7.90	100.00	41.70	.00
1.300 1.350	21.70	63.40	16.40	10.81	100.00	21.70	.00
1.350 1.400	7.80	71.20	26.30	12.51	99.86	7.79	.01
1.400 1.450	8.40	79.60	34.30	14.81	99.28	8.34	.06
1.450 1.500	4.00	83.60	42.00	16.11	98.54	3.94	.06
1.500 1.600	2.10	85.70	48.70	16.91	96.84	2.83	.07
1.600 1.700	2.20	87.90	56.90	17.91	75.38	1.66	.54
1.700 1.800	2.80	90.70	63.30	19.31	24.71	.69	2.11
1.800 1.900	2.80	93.50	72.70	20.91	10.24	.29	2.51
1.900 2.800	6.50	100.00	78.20	24.63	.15	.01	6.49

HEAD ASH OF WASHABILITY DATA = 24.63

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370

F2 = 1.200

PD = 1.700

EP = .0492

PREDICTED YIELD 88.15%

ASH 18.16%

PREDICTED REJECTS 11.85%

ASH 72.79%

YIELD ERROR .25%

ASH ERROR .12%

ORGANIC EFFICIENCY 99.72%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531

DATA SET NAME: HAT CRK C 1/2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	41.70	7.90	7.90	100.00	41.70	.00
1.300	1.350	21.70	16.40	10.81	100.00	21.70	.00
1.350	1.400	7.80	26.30	12.51	100.00	7.80	.00
1.400	1.450	8.40	34.30	14.81	99.85	8.39	.01
1.450	1.500	4.00	42.00	16.11	99.37	3.97	.03
1.500	1.600	2.70	48.70	16.91	98.38	2.07	.03
1.600	1.700	2.20	56.90	17.91	95.48	2.10	.10
1.700	1.800	2.80	63.30	19.31	72.22	2.02	.78
1.800	1.900	2.80	72.70	20.91	27.31	.76	2.04
1.900	2.800	6.50	78.20	24.63	1.62	.11	6.39

HEAD ASH OF WASHABILITY DATA = 24.63

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370

PREDICTED YIELD 90.62%

YIELD ERROR .22%

F2 = 1.200

ASH 19.39%

ASH ERROR .12%

PREDICTED REJECTS 9.38%

ORGANIC EFFICIENCY 99.76%

PD = 1.800

ASH 75.28%

EP = .0569

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 567
 DATA SET NAME: HAT CRK C 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	25.90	25.90	6.43	6.43	96.22	24.92	.98
1.300 1.350	20.65	46.55	14.54	10.03	89.33	18.45	2.20
1.350 1.400	12.86	59.41	18.70	11.90	64.09	8.24	4.62
1.400 1.450	4.13	63.54	27.79	12.94	35.73	1.48	2.65
1.450 1.500	9.59	73.13	37.34	16.14	12.04	1.15	8.44
1.500 1.600	4.55	77.68	48.94	18.06	2.83	.13	4.42
1.600 1.700	3.37	81.05	58.37	19.73	1.43	.05	3.32
1.700 1.800	6.51	87.56	64.55	23.07	1.06	.07	6.44
1.800 1.900	3.88	91.44	70.28	25.07	.38	.01	3.87
1.900 2.800	8.56	100.00	77.09	29.52	.00	.00	8.56

HEAD ASH OF WASHABILITY DATA = 29.52
 AVERAGE S.G. FEED = 1.497
 AVERAGE S.G. FLOATS = 1.322
 AVERAGE S.G. SINKS = 1.706

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.281	PREDICTED YIELD	54.50%	YIELD ERROR	7.29%
F2 = 1.200	ASH	12.50%	ASH ERROR	1.31%
F3 = 1.060	PREDICTED REJECTS	45.50%	ORGANIC EFFICIENCY	88.20%
PD = 1.400	ASH	49.91%		
EP = .0453				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 567
 DATA SET NAME: HAT CRK C 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	25.90	25.90	6.43	6.43	98.87	25.61	.29
1.300 1.350	20.65	46.55	14.54	10.03	98.39	20.32	.33
1.350 1.400	12.86	59.41	18.70	11.90	96.12	12.36	.50
1.400 1.450	4.13	63.54	27.79	12.94	86.68	3.58	.55
1.450 1.500	9.59	73.13	37.34	16.14	62.84	6.03	3.56
1.500 1.600	4.55	77.68	48.94	18.06	24.87	1.13	3.42
1.600 1.700	3.37	81.05	58.37	19.73	3.44	.12	3.25
1.700 1.800	6.51	87.56	64.55	23.07	1.71	.11	6.40
1.800 1.900	3.88	91.44	70.28	25.07	1.14	.04	3.84
1.900 2.800	8.56	100.00	77.09	29.52	.00	.00	8.56

HEAD ASH OF WASHABILITY DATA = 29.52
 AVERAGE S.G. FEED = 1.497
 AVERAGE S.G. FLOATS = 1.343
 AVERAGE S.G. SINKS = 1.844

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.281	PREDICTED YIELD	69.30%	YIELD ERROR	2.53%
F2 = 1.200	ASH	15.70%	ASH ERROR	.85%
F3 = 1.060	PREDICTED REJECTS	30.70%	ORGANIC EFFICIENCY	96.47%
PD = 1.500	ASH	60.71%		
EP = .0497				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 567
 DATA SET NAME: HAT CRK C 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	25.90	25.90	6.43	6.43	99.36	25.73	.17
1.300 1.350	20.65	46.55	14.54	10.03	99.04	20.45	.20
1.350 1.400	12.86	59.41	18.70	11.90	98.85	12.71	.15
1.400 1.450	4.13	63.54	27.79	12.94	97.87	4.04	.09
1.450 1.500	9.59	73.13	37.34	16.14	95.07	9.12	.47
1.500 1.600	4.55	77.68	48.94	18.06	73.25	3.33	1.22
1.600 1.700	3.37	81.05	58.37	19.73	26.67	.90	2.47
1.700 1.800	6.51	87.56	64.55	23.07	4.24	.28	6.23
1.800 1.900	3.88	91.44	70.28	25.07	2.07	.08	3.80
1.900 2.800	8.56	100.00	77.09	29.52	.00	.00	8.56

HEAD ASH OF WASHABILITY DATA = 29.52
 AVERAGE S.G. FEED = 1.497
 AVERAGE S.G. FLOATS = 1.359
 AVERAGE S.G. SINKS = 1.949

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.281	PREDICTED YIELD	76.65%	YIELD ERROR	1.25%
F2 = 1.200	ASH	18.17%	ASH ERROR	.54%
F3 = 1.060	PREDICTED REJECTS	23.35%	ORGANIC EFFICIENCY	98.40%
PD = 1.600	ASH	66.80%		
EP = .0541				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 567
 DATA SET NAME: HAT CRK C 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	25.90	25.90	6.43	6.43	99.77	25.84	.06
1.300 1.350	20.65	46.55	14.54	10.03	99.57	20.56	.09
1.350 1.400	12.86	59.41	18.70	11.90	99.25	12.76	.10
1.400 1.450	4.13	63.54	27.79	12.94	98.91	4.09	.04
1.450 1.500	9.59	73.13	37.34	16.14	98.72	9.47	.12
1.500 1.600	4.55	77.68	48.94	18.06	96.32	4.38	.17
1.600 1.700	3.37	81.05	58.37	19.73	71.59	2.41	.96
1.700 1.800	6.51	87.56	64.55	23.07	28.26	1.84	4.67
1.800 1.900	3.88	91.44	70.28	25.07	5.17	.20	3.68
1.900 2.800	8.56	100.00	77.09	29.52	.08	.01	8.55

HEAD ASH OF WASHABILITY DATA = 29.52
 AVERAGE S.G. FEED = 1.497
 AVERAGE S.G. FLOATS = 1.375
 AVERAGE S.G. SINKS = 2.033

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.281	PREDICTED YIELD	81.56%	YIELD ERROR	.69%
F2 = 1.200	ASH	20.35%	ASH ERROR	.35%
F3 = 1.060	PREDICTED REJECTS	18.44%	ORGANIC EFFICIENCY	99.17%
PD = 1.700	ASH	70.11%		
EP = .0585				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 567
 DATA SET NAME: HAT CRK C 1/4x28M
 DATE: 19 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	25.90	25.90	6.43	6.43	99.96	25.89	.01
1.300 1.350	20.65	46.55	14.54	10.03	99.86	20.62	.03
1.350 1.400	12.86	59.41	18.70	11.90	99.68	12.82	.04
1.400 1.450	4.13	63.54	27.79	12.94	99.42	4.11	.02
1.450 1.500	9.59	73.13	37.34	16.14	99.08	9.50	.09
1.500 1.600	4.55	77.68	48.94	18.06	98.79	4.49	.06
1.600 1.700	3.37	81.05	58.37	19.73	95.50	3.22	.15
1.700 1.800	6.51	87.56	64.55	23.07	70.15	4.57	1.94
1.800 1.900	3.88	91.44	70.28	25.07	29.67	1.15	2.73
1.900 2.800	8.56	100.00	77.09	29.52	.77	.07	8.49

HEAD ASH OF WASHABILITY DATA = 29.52
 AVERAGE S.G. FEED = 1.497
 AVERAGE S.G. FLOATS = 1.396
 AVERAGE S.G. SINKS = 2.139

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.281	PREDICTED YIELD	86.43%	YIELD ERROR	.44%
F2 = 1.200	ASH	22.72%	ASH ERROR	.23%
F3 = 1.060	PREDICTED REJECTS	13.57%	ORGANIC EFFICIENCY	99.49%
PD = 1.800	ASH	72.89%		
EP = .0629				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 555

DATA SET NAME: HAT CREEK C 2x28M

DATE: 22 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	33.01	33.01	7.54	7.54	86.90	28.69	4.32
1.300 1.350	20.55	53.56	15.09	10.44	82.89	17.03	3.52
1.350 1.400	11.71	65.27	21.44	12.41	74.74	8.75	2.96
1.400 1.450	5.76	71.03	31.67	13.97	64.48	3.71	2.05
1.450 1.500	6.21	77.24	38.12	16.11	54.24	3.75	3.16
1.500 1.600	3.66	81.60	49.20	17.60	41.10	1.50	2.16
1.600 1.700	2.83	84.43	57.84	18.95	25.53	.72	2.11
1.700 1.800	4.89	89.32	64.03	21.41	15.24	.75	4.14
1.800 1.900	3.05	92.37	70.70	23.04	8.61	.26	2.79
1.900 2.800	7.63	100.00	77.19	27.17	.00	.00	7.63

HEAD ASH OF WASHABILITY DATA = 27.17

PROCESS: 24" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = .904

F2 = 1.200

PD = 1.500

EP = 1.405

PREDICTED YIELD 65.17%

ASH 16.93%

PREDICTED REJECTS 34.83%

ASH 46.33%

YIELD ERROR 14.80%

ASH ERROR 4.54%

ORGANIC EFFICIENCY 81.50%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 555
 DATA SET NAME: HAT CREEK C 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	33.01	33.01	7.54	7.54	91.24	30.12	2.89
1.300	1.350	20.55	53.56	15.09	10.44	88.39	18.16	2.39
1.350	1.400	11.71	65.27	21.44	12.41	84.69	9.92	1.79
1.400	1.450	5.76	71.03	31.67	13.97	78.98	4.55	1.21
1.450	1.500	6.91	77.94	38.12	16.11	71.47	4.94	1.97
1.500	1.600	3.66	81.60	49.20	17.60	57.28	2.10	1.56
1.600	1.700	2.83	84.43	57.84	18.95	42.45	1.20	1.63
1.700	1.800	4.89	89.32	64.03	21.41	28.08	1.37	3.52
1.800	1.900	3.05	92.37	70.70	23.04	18.47	.56	2.49
1.900	2.800	7.63	100.00	77.19	27.17	.93	.07	7.56

HEAD ASH OF WASHABILITY DATA = 27.17

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .904	PREDICTED YIELD	72.99%	YIELD ERROR	10.55%
F2 = 1.200	ASH	18.52%	ASH ERROR	3.94%
PD = 1.600	PREDICTED REJECTS	27.01%	ORGANIC EFFICIENCY	87.37%
EP = .1656	ASH	50.55%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 555
 DATA SET NAME: HAT CREEK C 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
1.000	1.300	33.01	7.54	7.54	94.48	31.19	1.82	
1.300	1.350	20.55	15.09	10.44	92.02	18.91	1.64	
1.350	1.400	11.71	21.44	12.41	88.89	10.41	1.30	
1.400	1.450	5.76	31.67	13.97	85.82	4.94	.82	
1.450	1.500	6.91	38.12	16.11	81.69	5.64	1.27	
1.500	1.600	3.66	49.20	17.60	72.26	2.64	1.02	
1.600	1.700	2.83	57.84	18.95	56.27	1.59	1.24	
1.700	1.800	4.89	64.03	21.41	43.44	2.12	2.77	
1.800	1.900	3.05	70.70	23.04	30.27	.92	2.13	
1.900	2.800	7.63	77.19	27.17	4.53	.35	7.28	

HEAD ASH OF WASHABILITY DATA = 27.17

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .904	PREDICTED YIELD	78.73%	YIELD ERROR	7.57%
F2 = 1.200	ASH	19.89%	ASH ERROR	3.46%
PD = 1.700	PREDICTED REJECTS	21.27%	ORGANIC EFFICIENCY	91.23%
EP = .1907	ASH	54.14%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 555
 DATA SET NAME: HAT CREEK C 2x28M
 DATE: 22 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	33.01	7.54	7.54	96.69	31.92	1.09	
1.300	1.350	20.55	15.09	10.44	94.76	19.47	1.08	
1.350	1.400	11.71	21.44	12.41	92.06	10.78	.93	
1.400	1.450	5.76	31.67	13.97	89.27	5.14	.62	
1.450	1.500	6.91	39.12	16.11	86.62	5.99	.92	
1.500	1.600	3.66	49.20	17.60	81.26	2.97	.69	
1.600	1.700	2.83	57.84	18.95	69.87	1.98	.85	
1.700	1.800	4.89	64.03	21.41	55.53	2.72	2.17	
1.800	1.900	3.05	70.70	23.04	44.21	1.35	1.70	
1.900	2.800	7.63	77.19	27.17	8.25	.63	7.00	

HEAD ASH OF WASHABILITY DATA = 27.17

PROCESS: 24" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .904	PREDICTED YIELD	82.94%	YIELD ERROR	5.39%
F2 = 1.200	ASH	20.92%	ASH ERROR	2.68%
PD = 1.800	PREDICTED REJECTS	17.06%	ORGANIC EFFICIENCY	93.89%
EP = .2157	ASH	57.59%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 537
 DATA SET NAME: HAT CRK C 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.350	11.70	11.70	8.60	8.60	81.79	9.57	2.13
1.350 1.400	15.00	26.70	14.10	11.69	73.70	11.06	3.94
1.400 1.450	16.20	42.90	22.60	15.01	63.57	10.30	5.90
1.450 1.500	12.60	55.50	32.10	19.51	54.04	6.81	5.79
1.500 1.600	13.40	68.90	42.60	24.00	41.53	5.57	7.83
1.600 1.700	8.90	77.80	52.00	27.20	26.34	2.34	6.56
1.700 1.800	7.30	85.10	63.30	30.30	16.22	1.18	6.12
1.800 1.900	7.80	92.90	68.40	33.50	9.44	.74	7.06
1.900 2.800	7.10	100.00	78.30	36.68	.00	.00	7.10

HEAD ASH OF WASHABILITY DATA = 36.68

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	47.56%	YIELD ERROR	23.23%
F2 = 1.200	ASH	24.68%	ASH ERROR	7.50%
PD = 1.500	PREDICTED REJECTS	52.44%	ORGANIC EFFICIENCY	67.19%
EP = .1476	ASH	47.56%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 537
 DATA SET NAME: HAT CRK C 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.350	11.70	8.60	8.60	87.49	10.24	1.46	
1.350	1.400	15.00	14.10	11.69	83.69	12.55	2.45	
1.400	1.450	16.20	22.60	15.81	77.71	12.59	3.61	
1.450	1.500	12.60	32.10	19.51	70.51	8.88	3.72	
1.500	1.600	13.40	42.60	24.00	56.91	7.63	5.77	
1.600	1.700	8.90	52.00	27.20	42.81	3.81	5.09	
1.700	1.800	7.30	63.30	30.30	28.82	2.10	5.20	
1.800	1.900	7.80	68.40	33.50	19.46	1.52	6.28	
1.900	2.800	7.10	78.30	36.68	1.44	.10	7.00	

HEAD ASH OF WASHABILITY DATA = 36.68

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	59.42%	YIELD ERROR	17.74%
F2 = 1.200	ASH	26.97%	ASH ERROR	6.15%
PD = 1.600	PREDICTED REJECTS	40.58%	ORGANIC EFFICIENCY	77.02%
EP = .1740	ASH	50.90%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 537
 DATA SET NAME: HAT CRK C 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.350	11.70	11.70	8.60	8.60	90.88	10.63	1.07
1.350 1.400	15.00	26.70	14.10	11.69	87.96	13.19	1.81
1.400 1.450	16.20	42.90	22.60	15.81	84.89	13.75	2.45
1.450 1.500	12.60	55.50	32.10	19.51	80.52	10.15	2.45
1.500 1.600	13.40	68.90	42.60	24.00	71.32	9.56	3.84
1.600 1.700	8.90	77.80	52.00	27.20	55.96	4.98	3.92
1.700 1.800	7.30	85.10	63.30	30.30	43.76	3.19	4.11
1.800 1.900	7.80	92.90	68.40	33.50	31.09	2.43	5.37
1.900 2.800	7.10	100.00	78.30	36.68	5.23	.37	6.73

HEAD ASH OF WASHABILITY DATA = 36.68

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	68.25%	YIELD ERROR	13.71%
F2 = 1.200	ASH	28.97%	ASH ERROR	5.19%
PD = 1.700	PREDICTED REJECTS	31.75%	ORGANIC EFFICIENCY	83.27%
EP = .2003	ASH	53.25%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 537
 DATA SET NAME: HAT CRK C 28x100M
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.350	11.70	11.70	8.60	93.56	10.95	.75	
1.350	1.400	15.00	26.70	14.10	90.91	13.64	1.36	
1.400	1.450	16.20	42.90	22.60	88.32	14.31	1.89	
1.450	1.500	12.60	55.50	32.10	85.72	10.80	1.80	
1.500	1.600	13.40	68.90	42.60	80.07	10.73	2.67	
1.600	1.700	8.90	77.80	52.00	68.86	6.13	2.77	
1.700	1.800	7.30	85.10	63.30	55.26	4.03	3.27	
1.800	1.900	7.80	92.90	68.40	44.48	3.47	4.33	
1.900	2.800	7.10	100.00	78.30	9.03	.64	6.46	

HEAD ASH OF WASHABILITY DATA = 36.68

PROCESS: 10" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = .950	PREDICTED YIELD	74.69%	YIELD ERROR	10.80%
F2 = 1.200	ASH	30.46%	ASH ERROR	4.37%
PD = 1.800	PREDICTED REJECTS	25.31%	ORGANIC EFFICIENCY	87.37%
EP = .2266	ASH	55.04%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 561
 DATA SET NAME: HAT CR C 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	19.27	19.27	6.43	6.43	84.54	14.29	2.98
1.300 1.350	18.36	37.63	13.57	9.91	79.95	14.68	3.68
1.350 1.400	13.41	51.04	17.38	11.88	72.19	9.68	3.73
1.400 1.450	7.22	58.26	24.81	13.48	62.26	4.50	2.72
1.450 1.500	10.36	68.62	35.71	16.83	53.74	5.57	4.79
1.500 1.600	6.82	75.44	45.75	19.45	42.16	2.88	3.94
1.600 1.700	4.79	80.23	55.34	21.59	27.51	1.32	3.47
1.700 1.800	6.71	86.94	64.20	24.88	17.72	1.19	5.52
1.800 1.900	4.88	91.82	69.51	27.25	10.91	.53	4.35
1.900 2.800	8.18	100.00	77.36	31.35	.00	.00	8.18

HEAD ASH OF WASHABILITY DATA = 31.35

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.026

F2 = 1.200

PREDICTED YIELD 56.63%

ASH 19.43%

YIELD ERROR 18.77%

ASH ERROR 6.32%

PREDICTED REJECTS 43.37%

ORGANIC EFFICIENCY 75.11%

PD = 1.500

EP = .1594

ASH 46.91%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 561

DATA SET NAME: HAT CR C 1/4x100M

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000	1.300	19.27	6.43	6.43	88.57	17.07	2.20
1.300	1.350	18.36	13.57	9.91	86.09	15.81	2.55
1.350	1.400	13.41	17.38	11.88	82.02	11.00	2.41
1.400	1.450	7.22	24.81	13.48	75.80	5.47	1.75
1.450	1.500	10.36	35.71	16.83	68.97	7.14	3.22
1.500	1.600	6.82	45.75	19.45	56.37	3.84	2.98
1.600	1.700	4.79	55.34	21.59	43.35	2.88	2.71
1.700	1.800	6.71	64.20	24.88	30.03	2.02	4.69
1.800	1.900	4.88	69.51	27.25	21.08	1.03	3.85
1.900	2.800	8.18	77.36	31.35	2.33	.19	7.99

HEAD ASH OF WASHABILITY DATA = 31.35

PROCESS: 14" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = 1.026

PREDICTED YIELD 65.65%

YIELD ERROR 14.43%

F2 = 1.200

ASH 21.52%

ASH ERROR 5.65%

PREDICTED REJECTS 34.35%

ORGANIC EFFICIENCY 81.98%

PD = 1.600

ASH 50.14%

EP = .1879

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 561
 DATA SET NAME: HAT CR C 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	19.27	19.27	6.43	6.43	91.44	17.62	1.65
1.300 1.350	18.36	37.63	13.57	9.91	89.22	16.38	1.98
1.350 1.400	13.41	51.04	17.38	11.88	86.57	11.61	1.80
1.400 1.450	7.22	58.26	24.81	13.48	83.33	6.02	1.20
1.450 1.500	10.36	68.62	35.71	16.83	78.57	8.14	2.22
1.500 1.600	6.82	75.44	45.75	19.45	69.81	4.76	2.06
1.600 1.700	4.79	80.23	55.34	21.59	55.51	2.66	2.13
1.700 1.800	6.71	86.94	64.20	24.88	44.22	2.97	3.74
1.800 1.900	4.88	91.82	69.51	27.25	32.39	1.58	3.30
1.900 2.800	8.18	100.00	77.36	31.35	6.17	.50	7.68

HEAD ASH OF WASHABILITY DATA = 31.35

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.024	PREDICTED YIELD	72.24%	YIELD ERROR	11.44%
F2 = 1.200	ASH	23.20%	ASH ERROR	5.04%
PD = 1.700	PREDICTED REJECTS	27.76%	ORGANIC EFFICIENCY	86.33%
EP = .2163	ASH	52.35%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 561
 DATA SET NAME: HAT CR C 1/4x100M
 DATE: 21 JUN 77

WASHABILITY DATA				PREDICTIONS				
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	19.27	19.27	6.43	6.43	93.65	18.05	1.22
1.300	1.350	18.36	37.63	13.57	9.91	91.71	16.84	1.52
1.350	1.400	13.41	51.04	17.38	11.88	89.25	11.97	1.44
1.400	1.450	7.22	58.26	24.81	13.48	86.92	6.28	.94
1.450	1.500	10.36	68.62	35.71	16.83	84.23	8.73	1.63
1.500	1.600	6.82	75.44	45.75	19.45	78.10	5.33	1.49
1.600	1.700	4.79	80.23	55.34	21.59	67.25	3.22	1.57
1.700	1.800	6.71	84.94	64.20	24.88	54.86	3.68	3.03
1.800	1.900	4.88	91.82	69.51	27.25	44.89	2.19	2.69
1.900	2.800	8.18	100.00	77.36	31.35	10.45	.85	7.33

HEAD ASH OF WASHABILITY DATA = 31.35

PROCESS: 14" WATER ONLY CYCLONE
 2 STAGE APPROXIMATION

F1 = 1.026	PREDICTED YIELD	77.13%	YIELD ERROR	9.22%
F2 = 1.200	ASH	24.59%	ASH ERROR	4.39%
PD = 1.800	PREDICTED REJECTS	22.87%	ORGANIC EFFICIENCY	89.32%
EP = .2448	ASH	54.15%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 527
 DATA SET NAME: HAT CREEK C 2x1
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	40.90	9.80	9.80	98.63	40.34	.56
1.300	1.350	23.90	17.10	12.49	94.19	22.51	1.39
1.350	1.400	14.00	26.60	15.00	81.05	11.35	2.65
1.400	1.450	5.90	35.10	16.40	60.87	3.59	2.31
1.450	1.500	2.00	42.40	17.00	39.71	.79	1.21
1.500	1.600	2.30	51.80	17.90	16.64	.38	1.92
1.600	1.700	1.80	58.30	18.70	3.80	.07	1.73
1.700	1.800	.80	64.50	19.10	.68	.01	.79
1.800	1.900	1.00	74.70	19.70	.11	.00	1.00
1.900	2.800	7.40	78.30	24.04	.00	.00	7.40

HEAD ASH OF WASHABILITY DATA = 24.04
 AVERAGE S.G. FEED = 1.420
 AVERAGE S.G. FLOATS = 1.319
 AVERAGE S.G. SINKS = 1.800

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1
 IMPERFECTION = 0.112 PREDICTED YIELD 79.04% YIELD ERROR 4.05%
 F2 = 1.250 ASH 16.02% ASH ERROR .96%
 PREDICTED REJECTS 20.96% ORGANIC EFFICIENCY 95.12%
 PD = 1.450 ASH 54.27%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 527
 DATA SET NAME: HAT CREEK C 2x1
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	40.90	40.90	9.80	9.80	99.93	40.87	.03
1.300 1.350	23.90	64.80	17.10	12.49	99.45	23.77	.13
1.350 1.400	14.00	78.80	26.60	15.00	96.77	13.55	.45
1.400 1.450	5.90	84.70	35.10	16.40	89.33	5.27	.63
1.450 1.500	2.00	86.70	42.40	17.00	76.04	1.52	.48
1.500 1.600	2.30	89.00	51.80	17.90	50.00	1.15	1.15
1.600 1.700	1.80	90.80	58.30	18.70	21.01	.38	1.42
1.700 1.800	.80	91.60	64.50	19.10	6.72	.05	.75
1.800 1.900	1.00	92.60	74.70	19.70	1.78	.02	.98
1.900 2.800	7.40	100.00	78.30	24.04	.00	.00	7.40

HEAD ASH OF WASHABILITY DATA = 24.04
 AVERAGE S.G. FEED = 1.420
 AVERAGE S.G. FLOATS = 1.327
 AVERAGE S.G. SINKS = 2.017

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1

IMPERFECTION = 0.112 PREDICTED YIELD 86.58% YIELD ERROR 1.05%
 F2 = 1.250 ASH 17.36% ASH ERROR .40%

PD = 1.550 PREDICTED REJECTS 13.42% ORGANIC EFFICIENCY 98.80%
 EP = .0770 ASH 67.07%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 527
 DATA SET NAME: HAT CREEK C 2x1
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	40.90	9.80	9.80	100.00	40.90	.00
1.300	1.350	23.90	17.10	12.49	100.00	23.90	.00
1.350	1.400	14.00	26.60	15.00	99.96	13.99	.01
1.400	1.450	5.90	35.10	16.40	99.69	5.88	.02
1.450	1.500	2.00	42.40	17.00	98.63	1.97	.03
1.500	1.600	2.30	51.80	17.90	93.28	2.15	.15
1.600	1.700	1.80	58.30	18.70	75.51	1.36	.44
1.700	1.800	.80	64.50	19.10	50.00	.40	.40
1.800	1.900	1.00	74.70	19.70	27.29	.27	.73
1.900	2.800	7.40	78.30	24.04	.23	.02	7.38

HEAD ASH OF WASHABILITY DATA = 24.04

AVERAGE S.G. FEED = 1.420

AVERAGE S.G. FLOATS = 1.338

AVERAGE S.G. SINKS = 2.232

PROCESS: BAUM JIG

SIZE RANGE: 2 x 1

IMPERFECTION = 0.112 PREDICTED YIELD 90.84%

YIELD ERROR .20%

F2 = 1.250 ASH 18.82%

ASH ERROR .10%

PREDICTED REJECTS 9.16%

ORGANIC EFFICIENCY 99.78%

PD = 1.750

ASH 75.77%

EP = .1050

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 529
 DATA SET NAME: HAT CREEK C 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	47.70	47.70	8.70	8.70	97.72	46.61	1.09
1.300 1.350	16.30	64.00	13.80	10.00	93.72	15.28	1.02
1.350 1.400	11.10	75.10	26.90	12.50	84.68	9.40	1.70
1.400 1.450	9.10	84.20	34.70	14.90	71.83	6.54	2.56
1.450 1.500	2.00	86.20	40.80	15.50	57.24	1.14	.86
1.500 1.600	2.80	89.00	50.50	16.60	36.73	1.03	1.77
1.600 1.700	1.90	90.90	54.90	17.40	17.54	.33	1.57
1.700 1.800	3.10	94.00	59.90	18.80	7.47	.23	2.87
1.800 1.900	.80	94.80	66.20	19.20	2.96	.02	.78
1.900 2.800	5.20	100.00	75.00	22.10	.02	.00	5.20

HEAD ASH OF WASHABILITY DATA = 22.10
 AVERAGE S.G. FEED = 1.407
 AVERAGE S.G. FLOATS = 1.324
 AVERAGE S.G. SINKS = 1.752

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2	PREDICTED YIELD	80.59%	YIELD ERROR	4.77%
IMPERFECTION = 0.152	ASH	15.24%	ASH ERROR	1.30%
F2 = 1.250	PREDICTED REJECTS	19.41%	ORGANIC EFFICIENCY	94.42%
PD = 1.500	ASH	50.56%		
EP = .0950				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 529
 DATA SET NAME: HAT CREEK C 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	47.70	47.70	8.70	8.70	99.60	47.51	.19
1.300 1.350	16.30	64.00	13.80	10.00	98.54	16.06	.24
1.350 1.400	11.10	75.10	26.90	12.50	95.27	10.57	.53
1.400 1.450	9.10	84.20	34.70	14.90	89.00	8.10	1.00
1.450 1.500	2.00	86.20	40.80	15.50	79.69	1.59	.41
1.500 1.600	2.80	89.00	50.50	16.60	62.15	1.74	1.06
1.600 1.700	1.90	90.90	54.90	17.40	38.80	.74	1.16
1.700 1.800	3.10	94.00	59.90	18.80	21.37	.66	2.44
1.800 1.900	.80	94.80	66.20	19.20	10.77	.09	.71
1.900 2.800	5.20	100.00	75.00	22.10	.20	.01	5.19

HEAD ASH OF WASHABILITY DATA = 22.10
 AVERAGE S.G. FEED = 1.407
 AVERAGE S.G. FLOATS = 1.332
 AVERAGE S.G. SINKS = 1.907

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2

IMPERFECTION = 0.152 PREDICTED YIELD 87.07%

F2 = 1.250 ASH 16.54%

PREDICTED REJECTS 12.93%

PD = 1.600 ASH 59.58%

EP = .1140

YIELD ERROR 1.77%

ASH ERROR .70%

ORGANIC EFFICIENCY 98.01%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 529
 DATA SET NAME: HAT CREEK C 1x1/2
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	47.70	47.70	8.70	8.70	99.99	47.69	.01
1.300 1.350	16.30	64.00	13.80	10.00	99.93	16.29	.01
1.350 1.400	11.10	75.10	26.90	12.50	99.65	11.06	.04
1.400 1.450	9.10	84.20	34.70	14.90	98.78	8.99	.11
1.450 1.500	2.00	86.20	40.80	15.50	96.81	1.94	.06
1.500 1.600	2.80	89.00	50.50	16.60	90.87	2.54	.26
1.600 1.700	1.90	90.90	54.90	17.40	76.98	1.46	.44
1.700 1.800	3.10	94.00	59.90	18.80	59.08	1.83	1.27
1.800 1.900	.80	94.80	66.20	19.20	41.47	.33	.47
1.900 2.800	5.20	100.00	75.00	22.10	3.14	.16	5.04

HEAD ASH OF WASHABILITY DATA = 22.10
 AVERAGE S.G. FEED = 1.407
 AVERAGE S.G. FLOATS = 1.347
 AVERAGE S.G. SINKS = 2.127

PROCESS: BAUM JIG

SIZE RANGE: 1 x 1/2
 IMPERFECTION = 0.152 PREDICTED YIELD 92.30% YIELD ERROR .39%
 F2 = 1.250 ASH 18.21% ASH ERROR .18%
 PREDICTED REJECTS 7.70% ORGANIC EFFICIENCY 99.58%
 PD = 1.800 ASH 68.77%
 EP = .1520

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531
 DATA SET NAME: HAT CRK C 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	41.70	41.70	7.90	7.90	99.20	41.37	.33
1.300 1.350	21.70	63.40	16.40	10.81	97.86	21.24	.46
1.350 1.400	7.80	71.20	26.30	12.51	94.60	7.38	.42
1.400 1.450	8.40	79.60	34.30	14.81	89.28	7.50	.90
1.450 1.500	4.00	83.60	42.00	16.11	82.03	3.28	.72
1.500 1.600	2.10	85.70	48.70	16.91	68.72	1.44	.66
1.600 1.700	2.20	87.90	56.90	17.91	50.00	1.10	1.10
1.700 1.800	2.80	90.70	63.30	19.31	33.79	.95	1.85
1.800 1.900	2.80	93.50	72.70	20.91	21.66	.61	2.19
1.900 2.800	6.50	100.00	78.20	24.63	1.63	.11	6.39

HEAD ASH OF WASHABILITY DATA = 24.63
 AVERAGE S.G. FEED = 1.432
 AVERAGE S.G. FLOATS = 1.342
 AVERAGE S.G. SINKS = 1.937

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185	PREDICTED YIELD	84.96%	YIELD ERROR	2.62%
F2 = 1.250	ASH	17.76%	ASH ERROR	1.14%
	PREDICTED REJECTS	15.04%	ORGANIC EFFICIENCY	97.01%
	ASH	63.43%		
PD = 1.650				
EP = .1503				

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531
 DATA SET NAME: HAT CRK C 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000	1.300	41.70	7.90	7.90	99.77	41.60	.10
1.300	1.350	21.70	16.40	10.81	99.27	21.54	.16
1.350	1.400	7.80	26.30	12.51	97.86	7.63	.17
1.400	1.450	8.40	34.30	14.81	95.15	7.99	.41
1.450	1.500	4.00	42.00	16.11	90.90	3.64	.36
1.500	1.600	2.10	48.70	16.91	81.76	1.72	.38
1.600	1.700	2.20	56.90	17.91	66.21	1.46	.74
1.700	1.800	2.80	63.30	19.31	50.00	1.40	1.40
1.800	1.900	2.80	72.70	20.91	35.73	1.00	1.80
1.900	2.800	6.50	78.20	24.63	4.29	.28	6.22

HEAD ASH OF WASHABILITY DATA = 24.63
 AVERAGE S.G. FEED = 1.432
 AVERAGE S.G. FLOATS = 1.351
 AVERAGE S.G. SINKS = 2.036

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4
 IMPERFECTION = 0.185 PREDICTED YIELD 88.26% YIELD ERROR 1.42%
 F2 = 1.250 ASH 18.80% ASH ERROR .71%
 PREDICTED REJECTS 11.74% ORGANIC EFFICIENCY 98.41%
 PD = 1.750 ASH 68.47%
 EP = .1734

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 531
 DATA SET NAME: HAT CRK C 1/2x1/4
 DATE: 18 OCT 77

WASHABILITY DATA				PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	41.70	41.70	7.90	7.90	99.93	41.67	.03
1.300 1.350	21.70	63.40	16.40	10.81	99.75	21.65	.05
1.350 1.400	7.90	71.20	26.30	12.51	99.16	7.73	.07
1.400 1.450	8.40	79.60	34.30	14.81	97.86	8.22	.18
1.450 1.500	4.00	83.60	42.00	16.11	95.55	3.82	.18
1.500 1.600	2.10	85.70	48.70	16.91	89.83	1.89	.21
1.600 1.700	2.20	87.90	56.90	17.91	78.34	1.72	.48
1.700 1.800	2.80	90.70	63.30	19.31	64.27	1.80	1.00
1.800 1.900	2.80	93.50	72.70	20.91	50.00	1.40	1.40
1.900 2.800	6.50	100.00	78.20	24.63	8.82	.57	5.93

HEAD ASH OF WASHABILITY DATA = 24.63
 AVERAGE S.G. FEED = 1.432
 AVERAGE S.G. FLOATS = 1.360
 AVERAGE S.G. SINKS = 2.111

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4
 IMPERFECTION = 0.185 PREDICTED YIELD 90.48% YIELD ERROR .87%
 F2 = 1.250 ASH 19.68% ASH ERROR .48%
 PREDICTED REJECTS 9.52% ORGANIC EFFICIENCY 99.04%
 PD = 1.850 ASH 71.67%
 EP = .1966

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 533

DATA SET NAME: HAT CRK C 1/4x1/8

DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	35.90	35.90	6.90	6.90	96.22	34.54	1.36
1.300 1.350	20.30	56.20	16.60	10.40	92.25	18.73	1.57
1.350 1.400	9.90	66.10	20.40	11.90	84.97	8.41	1.49
1.400 1.450	5.40	71.50	26.50	13.00	75.70	4.09	1.31
1.450 1.500	6.70	78.20	35.20	14.91	65.40	4.38	2.32
1.500 1.600	5.40	83.60	49.00	17.11	50.00	2.70	2.70
1.600 1.700	1.40	85.00	59.60	17.81	32.58	.46	.94
1.700 1.800	3.90	88.90	65.70	19.91	20.10	.78	3.12
1.800 1.900	3.60	92.50	71.30	21.91	11.97	.43	3.17
1.900 2.800	7.50	100.00	78.20	26.13	.76	.06	7.44

HEAD ASH OF WASHABILITY DATA = 26.13
 AVERAGE S.G. FEED = 1.460
 AVERAGE S.G. FLOATS = 1.345
 AVERAGE S.G. SINKS = 1.798

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8

IMPERFECTION = 0.200 PREDICTED YIELD 74.58%

YIELD ERROR 7.50%

F2 = 1.250

ASH 16.49%

ASH ERROR 2.61%

PREDICTED REJECTS 25.42%

ORGANIC EFFICIENCY 90.87%

PD = 1.550

ASH 54.42%

EP = .1375

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 533
 DATA SET NAME: HAT CRK C 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	35.90	35.90	6.90	6.90	98.71	35.44	.46
1.300 1.350	20.30	56.20	16.60	10.40	96.95	19.68	.62
1.350 1.400	9.90	66.10	20.40	11.90	93.14	9.22	.68
1.400 1.450	5.40	71.50	26.50	13.00	87.46	4.72	.68
1.450 1.500	6.70	78.20	35.20	14.91	80.17	5.37	1.33
1.500 1.600	5.40	83.60	49.00	17.11	67.42	3.64	1.76
1.600 1.700	1.40	85.00	59.60	17.81	50.00	.70	.70
1.700 1.800	3.90	88.90	65.70	19.91	34.95	1.36	2.54
1.800 1.900	3.60	92.50	71.30	21.91	23.42	.84	2.76
1.900 2.800	7.50	100.00	78.20	26.13	2.41	.18	7.32

HEAD ASH OF WASHABILITY DATA = 26.13
 AVERAGE S.G. FEED = 1.460
 AVERAGE S.G. FLOATS = 1.357
 AVERAGE S.G. SINKS = 1.905

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8
 IMPERFECTION = 0.200 PREDICTED YIELD 81.16% YIELD ERROR 4.12%
 F2 = 1.250 ASH 17.96% ASH ERROR 1.85%
 PREDICTED REJECTS 18.84% ORGANIC EFFICIENCY 95.17%
 PD = 1.650 ASH 61.34%
 EP = .1625

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 533
 DATA SET NAME: HAT CRK C 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	35.90	35.90	6.90	6.90	99.56	35.74	.16
1.300 1.350	20.30	56.20	16.60	10.40	98.81	20.06	.24
1.350 1.400	9.90	66.10	20.40	11.90	96.95	9.60	.30
1.400 1.450	5.40	71.50	26.50	13.00	93.76	5.06	.34
1.450 1.500	6.70	78.20	35.20	14.91	89.15	5.97	.73
1.500 1.600	5.40	83.60	49.00	17.11	79.90	4.31	1.09
1.600 1.700	1.40	85.00	59.60	17.81	65.05	.91	.49
1.700 1.800	3.90	88.90	65.70	19.91	50.00	1.95	1.95
1.800 1.900	3.60	92.50	71.30	21.91	36.76	1.32	2.28
1.900 2.800	7.50	100.00	78.20	26.13	5.61	.42	7.08

HEAD ASH OF WASHABILITY DATA = 26.13
 AVERAGE S.G. FEED = 1.460
 AVERAGE S.G. FLOATS = 1.368
 AVERAGE S.G. SINKS = 1.996

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8
 IMPERFECTION = 0.200 PREDICTED YIELD 85.35% YIELD ERROR 2.28%
 F2 = 1.250 ASH 19.22% ASH ERROR 1.23%
 PREDICTED REJECTS 14.65% ORGANIC EFFICIENCY 97.40%
 PI = 1.750 ASH 66.37%
 EP = .1875

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 533
 DATA SET NAME: HAT CRK C 1/4x1/8
 DATE: 18 OCT 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	35.90	35.90	6.90	6.90	99.84	35.84	.06
1.300	1.350	20.30	56.20	16.60	10.40	99.53	20.21	.09
1.350	1.400	9.90	66.10	20.40	11.90	98.65	9.77	.13
1.400	1.450	5.40	71.50	26.50	13.00	96.95	5.24	.16
1.450	1.500	6.70	78.20	35.20	14.91	94.21	6.31	.39
1.500	1.600	5.40	83.60	49.00	17.11	80.03	4.75	.65
1.600	1.700	1.40	85.00	59.60	17.81	76.58	1.07	.33
1.700	1.800	3.90	88.90	65.70	19.91	63.24	2.47	1.43
1.800	1.900	3.60	92.50	71.30	21.91	50.00	1.80	1.80
1.900	2.800	7.50	100.00	78.20	26.13	10.56	.79	6.71

HEAD ASH OF WASHABILITY DATA = 26.13
 AVERAGE S.G. FEED = 1.460
 AVERAGE S.G. FLOATS = 1.379
 AVERAGE S.G. SINKS = 2.070

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 1/8

IMPERFECTION = 0.200	PREDICTED YIELD	88.25%	YIELD ERROR	1.37%
F2 = 1.250	ASH	20.31%	ASH ERROR	.75%
PD = 1.850	PREDICTED REJECTS	11.75%	ORGANIC EFFICIENCY	98.47%
EP = .2125	ASH	69.86%		

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 535
 DATA SET NAME: HAT CRK C 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	21.70	21.70	6.10	6.10	95.08	20.63	1.07
1.300 1.350	20.80	42.50	13.70	9.82	90.70	18.87	1.93
1.350 1.400	14.10	56.60	18.20	11.91	83.22	11.73	2.37
1.400 1.450	3.60	60.20	28.60	12.91	74.16	2.67	.93
1.450 1.500	10.80	71.00	37.90	16.71	64.38	6.95	3.85
1.500 1.600	4.20	75.20	48.90	18.51	50.00	2.10	2.10
1.600 1.700	4.20	79.40	58.20	20.61	33.73	1.42	2.78
1.700 1.800	7.60	87.00	64.30	24.42	21.78	1.66	5.94
1.800 1.900	4.00	91.00	69.90	26.42	13.69	.55	3.45
1.900 2.800	9.00	100.00	76.70	30.95	1.20	.11	8.89

HEAD ASH OF WASHABILITY DATA = 30.95
 AVERAGE S.G. FEED = 1.512
 AVERAGE S.G. FLOATS = 1.372
 AVERAGE S.G. SINKS = 1.793

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M

IMPERFECTION = 0.215 PREDICTED YIELD 66.68%
 F2 = 1.250 ASH 19.13%

YIELD ERROR 9.77%
 ASH ERROR 3.95%

PREDICTED REJECTS 33.32%
 ASH 54.59%

ORGANIC EFFICIENCY 87.22%

PD = 1.550
 EP = .1478

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 535
 DATA SET NAME: HAT CRK C 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000 1.300	21.70	21.70	6.10	6.10	98.09	21.29	.41
1.300 1.350	20.80	42.50	13.70	9.82	95.93	19.95	.85
1.350 1.400	14.10	56.60	18.20	11.91	91.67	12.92	1.18
1.400 1.450	3.60	60.20	28.60	12.91	85.73	3.09	.51
1.450 1.500	10.80	71.00	37.90	16.71	78.48	8.48	2.32
1.500 1.600	4.20	75.20	48.90	18.51	66.27	2.78	1.42
1.600 1.700	4.20	79.40	58.20	20.61	50.00	2.10	2.10
1.700 1.800	7.60	87.00	64.30	24.42	35.95	2.73	4.87
1.800 1.900	4.00	91.00	69.90	26.42	25.00	1.00	3.00
1.900 2.800	9.00	100.00	76.70	30.95	3.30	.30	8.70

HEAD ASH OF WASHABILITY DATA = 30.95

AVERAGE S.G. FEED = 1.512

AVERAGE S.G. FLOATS = 1.388

AVERAGE S.G. SINKS = 1.877

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M

IMPERFECTION = 0.215 PREDICTED YIELD 74.64%

YIELD ERROR 5.74%

F2 = 1.250 ASH 21.10%

ASH ERROR 2.83%

PREDICTED REJECTS 25.36%

ORGANIC EFFICIENCY 92.86%

PD = 1.650 ASH 59.94%

EP = .1747

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 535
 DATA SET NAME: HAT CRK C 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	21.70	21.70	6.10	6.10	99.25	21.54	.16
1.300 1.350	20.80	42.50	13.70	9.82	98.23	20.43	.37
1.350 1.400	14.10	56.60	18.20	11.91	95.93	13.53	.57
1.400 1.450	3.60	60.20	28.60	12.91	92.34	3.32	.28
1.450 1.500	10.80	71.00	37.90	16.71	87.46	9.45	1.35
1.500 1.600	4.20	75.20	48.90	18.51	78.22	3.29	.91
1.600 1.700	4.20	79.40	58.20	20.61	64.05	2.69	1.51
1.700 1.800	7.60	87.00	64.30	24.42	50.00	3.80	3.80
1.800 1.900	4.00	91.00	69.90	26.42	37.65	1.51	2.49
1.900 2.800	9.00	100.00	76.70	30.95	6.97	.63	8.37

HEAD ASH OF WASHABILITY DATA = 30.95
 AVERAGE S.G. FEED = 1.512
 AVERAGE S.G. FLOATS = 1.403
 AVERAGE S.G. SINKS = 1.953

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M
 IMPERFECTION = 0.215 PREDICTED YIELD 80.17% YIELD ERROR 3.53%
 F2 = 1.250 ASH 22.77% ASH ERROR 1.78%
 PREDICTED REJECTS 19.83% ORGANIC EFFICIENCY 95.78%
 PD = 1.750 ASH 64.01%
 EP = .2016

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 535
 DATA SET NAME: HAT CRK C 1/8x28M
 DATE: 18 OCT 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	21.70	21.70	6.10	6.10	99.70	21.64	.06
1.300 1.350	20.80	42.50	13.70	9.82	99.22	20.64	.14
1.350 1.400	14.10	56.60	18.20	11.91	98.02	13.82	.28
1.400 1.450	3.60	60.20	28.60	12.91	95.93	3.45	.15
1.450 1.500	10.80	71.00	37.90	14.71	92.83	10.03	.77
1.500 1.600	4.20	75.20	48.90	18.51	86.31	3.63	.57
1.600 1.700	4.20	79.40	58.20	20.61	75.00	3.15	1.05
1.700 1.800	7.60	87.00	64.30	24.42	62.35	4.74	2.86
1.800 1.900	4.00	91.00	69.90	26.42	50.00	2.00	2.00
1.900 2.800	9.00	100.00	76.70	30.95	12.24	1.10	7.90

HEAD ASH OF WASHABILITY DATA = 30.95
 AVERAGE S.G. FEED = 1.512
 AVERAGE S.G. FLOATS = 1.417
 AVERAGE S.G. SINKS = 2.019

PROCESS: BAUM JIG

SIZE RANGE: 1/8 x 28M
 IMPERFECTION = 0.215 PREDICTED YIELD 84.19% YIELD ERROR 2.30%
 F2 = 1.250 ASH 24.17% ASH ERROR 1.16%
 PREDICTED REJECTS 15.81% ORGANIC EFFICIENCY 97.34%
 PD = 1.850 ASH 67.04%
 EP = .2284

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 549
 DATA SET NAME: HAT CREEK C 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
.000 1.300	43.44	43.44	8.52	8.52	91.25	39.64	3.80
1.300 1.350	20.41	63.85	15.90	10.88	85.07	17.36	3.05
1.350 1.400	10.01	73.86	26.59	13.01	75.62	7.57	2.44
1.400 1.450	8.15	82.01	34.55	15.15	65.25	5.32	2.83
1.450 1.500	2.99	85.00	41.80	16.09	54.92	1.64	1.35
1.500 1.600	2.36	87.36	49.95	17.00	40.91	.97	1.39
1.600 1.700	2.03	89.39	56.54	17.90	26.33	.53	1.50
1.700 1.800	2.52	91.91	62.05	19.11	16.39	.41	2.11
1.800 1.900	1.83	93.74	72.01	20.14	10.02	.18	1.65
1.900 2.800	6.26	100.00	77.38	23.73	.83	.05	6.21

HEAD ASH OF WASHABILITY DATA = 23.73

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280 PREDICTED YIELD 73.68%

YIELD ERROR 11.44%

F2 = 1.000 ASH 16.13%

ASH ERROR 3.16%

PREDICTED REJECTS 26.32%

ORGANIC EFFICIENCY 86.56%

PD = 1.500 ASH 44.98%

EP = 1.400

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 549
 DATA SET NAME: HAT CREEK C 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA					PREDICTIONS			
S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
.000	1.300	43.44	43.44	8.52	8.52	96.38	41.87	1.57
1.300	1.350	20.41	63.85	15.90	10.88	93.05	18.99	1.42
1.350	1.400	10.01	73.86	26.59	13.01	87.16	8.73	1.28
1.400	1.450	8.15	82.01	34.55	15.15	79.73	6.50	1.65
1.450	1.500	2.99	85.00	41.80	16.09	71.35	2.13	.86
1.500	1.600	2.36	87.36	49.95	17.00	58.31	1.38	.98
1.600	1.700	2.03	89.39	56.54	17.90	42.34	.86	1.17
1.700	1.800	2.52	91.91	62.05	19.11	29.51	.74	1.78
1.800	1.900	1.83	93.74	72.01	20.14	20.03	.37	1.46
1.900	2.800	6.26	100.00	77.38	23.73	2.52	.16	6.10

HEAD ASH OF WASHABILITY DATA = 23.73

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280 PREDICTED YIELD 81.72% YIELD ERROR 6.11%

F2 = 1.000 ASH 17.21% ASH ERROR 2.14%

PREDICTED REJECTS 18.28% ORGANIC EFFICIENCY 93.04%

PD = 1.600 ASH 52.85%

EP = .1680

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 549
 DATA SET NAME: HAT CREEK C 2x1/4
 DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000	1.300	43.44	8.52	8.52	98.50	42.79	.65
1.300	1.350	20.41	15.90	10.88	96.80	19.76	.65
1.350	1.400	10.01	26.59	13.01	93.40	9.35	.66
1.400	1.450	8.15	34.55	15.15	88.57	7.22	.93
1.450	1.500	2.99	41.80	16.09	82.53	2.47	.52
1.500	1.600	2.36	49.95	17.00	71.97	1.70	.66
1.600	1.700	2.03	56.54	17.90	57.10	1.14	.87
1.700	1.800	2.52	62.05	19.11	43.39	1.09	1.43
1.800	1.900	1.83	72.01	20.14	31.97	.59	1.24
1.900	2.800	6.26	77.38	23.73	5.65	.35	5.91

HEAD ASH OF WASHABILITY DATA = 23.73

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.700

EP = .1960

PREDICTED YIELD 86.47%

ASH 18.13%

PREDICTED REJECTS 13.53%

ASH 59.49%

YIELD ERROR 3.40%

ASH ERROR 1.47%

ORGANIC EFFICIENCY 96.22%

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
 THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 549

DATA SET NAME: HAT CREEK C 2x1/4

DATE: 21 JUN 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.000 1.300	43.44	43.44	8.52	8.52	99.36	43.16	.28
1.300 1.350	20.41	63.85	15.90	10.88	98.52	20.11	.30
1.350 1.400	10.01	73.86	26.59	13.01	96.63	9.67	.34
1.400 1.450	8.15	82.01	34.55	15.15	93.65	7.63	.52
1.450 1.500	2.99	85.00	41.80	16.09	89.58	2.68	.31
1.500 1.600	2.36	87.36	49.95	17.00	81.70	1.93	.43
1.600 1.700	2.03	89.39	56.54	17.90	69.18	1.40	.63
1.700 1.800	2.52	91.91	62.05	19.11	56.19	1.42	1.10
1.800 1.900	1.83	93.74	72.01	20.14	44.19	.81	1.02
1.900 2.800	6.26	100.00	77.38	23.73	10.34	.65	5.61

HEAD ASH OF WASHABILITY DATA = 23.73

PROCESS: **DRY CLEAN**

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280 PREDICTED YIELD 89.46%

YIELD ERROR 2.05%

F2 = 1.000 ASH 18.92%

ASH ERROR .98%

PREDICTED REJECTS 10.54%

ORGANIC EFFICIENCY 97.76%

PD = 1.800 ASH 64.54%

EP = .2240

*** NOTE: NO INTERPOLATION OR EXTRAPOLATION WAS PERFORMED FOR THIS PREDICTION.
THE PARTITION NUMBERS WERE SIMPLY APPLIED TO THE GIVEN DATA.

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** SIMON - CARVES OF CANADA **

F1304

1-C

COMPOSITE OF PREDICTIONS

DATE: 19 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	39.00
TOTAL	3.50	.00	39.00

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 47.50% ROM

VARIABLE PROCESS 3: 14.00% ROM

H/M BATH +1/4

H/M CYCL 1/4 x 28M

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.500	84.00	16.00
1.600	87.40	17.10
1.700	89.60	18.10
1.800	91.70	19.10

PD	% YLD	% ASH
1.400	54.50	12.50
1.500	69.30	15.70
1.600	76.70	18.20
1.700	81.60	20.40
1.800	86.40	22.70

PD	% YLD	% ASH
1.500	47.60	24.70
1.600	59.40	27.00
1.700	68.30	29.00
1.800	74.70	30.50

VARIABLE PROCESS 1: H/M BATH +1/4

1-C

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.5

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	61.95	68.98	72.50	74.82	77.10
	% ASH	15.47	16.70	17.91	19.05	20.32
1.600	% YLD	63.14	70.17	73.69	76.01	78.29
	% ASH	16.02	17.17	18.33	19.45	20.68
1.700	% YLD	63.91	70.94	74.46	76.78	79.06
	% ASH	16.52	17.61	18.74	19.83	21.04
1.800	% YLD	64.65	71.68	75.19	77.52	79.80
	% ASH	17.03	18.06	19.16	20.23	21.42

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VARIABLE PROCESS 1: H/M BATH +1/4

1-C

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/D CYCL 28M x 100M
THIS TABLE FOR PD = 1.6

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	63.60	70.63	74.15	76.48	78.76
	% ASH	16.01	17.16	18.31	19.43	20.65
1.600	% YLD	64.79	71.82	75.34	77.67	79.95
	% ASH	16.53	17.60	18.72	19.81	21.00
1.700	% YLD	65.56	72.59	76.11	78.44	80.72
	% ASH	17.02	18.03	19.12	20.18	21.36
1.800	% YLD	66.30	73.33	76.84	79.17	81.45
	% ASH	17.51	18.47	19.53	20.57	21.72

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VARIABLE PROCESS 1: H/M BATH +1/4

1-C

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.7

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	64.85	71.88	75.39	77.72	80.00
	% ASH	16.52	17.59	18.71	19.79	20.99
1.600	% YLD	66.04	73.07	76.58	78.91	81.19
	% ASH	17.02	18.03	19.11	20.16	21.33
1.700	% YLD	66.81	73.84	77.35	79.68	81.96
	% ASH	17.49	18.44	19.49	20.53	21.67
1.800	% YLD	67.54	74.57	78.09	80.42	82.70
	% ASH	17.97	18.87	19.89	20.90	22.03

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VARIABLE PROCESS 1: H/M BATH +1/4

1-C

VARIABLE PROCESS 2: H/M CYCL 1/4 x 28M

VARIABLE PROCESS 3: W/O CYCL 28M x 100M
THIS TABLE FOR PD = 1.8

PD'S FOR VAR. PR. 2: H/M CYCL

PD'S FOR VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	65.75	72.78	76.29	78.62	80.90
	% ASH	16.93	17.95	19.04	20.10	21.27
1.600	% YLD	66.94	73.97	77.48	79.81	82.09
	% ASH	17.41	18.37	19.43	20.46	21.61
1.700	% YLD	67.71	74.74	78.25	80.58	82.86
	% ASH	17.87	18.78	19.80	20.82	21.94
1.800	% YLD	68.44	75.47	78.99	81.31	83.59
	% ASH	18.35	19.20	20.19	21.19	22.29

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

1-C

OVERALL CLEAN COAL ASH CONTENT = 17.00

MAXIMUM YIELD = 69.86

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	H/M CYCL 1/4 x 28M	1.525
3	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 19.00

MAXIMUM YIELD = 76.26

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.573
2	H/M CYCL 1/4 x 28M	1.600
3	W/O CYCL 28M x 100M	1.700

OVERALL CLEAN COAL ASH CONTENT = 21.00

MAXIMUM YIELD = 80.95

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.700
2	H/M CYCL 1/4 x 28M	1.716
3	W/O CYCL 28M x 100M	1.800

** SIMON - CARVES OF CANADA **

F1304

2-C

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	39.00
TOTAL	3.50	.00	39.00

VARIABLE PROCESS 1: 82.50% ROM VARIABLE PROCESS 2: 14.00% ROM

BAUM JIG +28M

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.000	73.40	17.30
2.000	80.40	18.90
3.000	84.70	20.20
4.000	87.70	21.30

PD	% YLD	% ASH
1.500	47.60	24.70
1.600	59.40	27.00
1.700	68.30	29.00
1.800	74.70	30.50

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VARIABLE PROCESS 1: BAUM JIG +28M

2-C

VARIABLE PROCESS 2: W/O CYCL 28M x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1:		1.500	1.600	1.700	1.800
BAUM JIG					
1.000	% YLD	67.22	68.87	70.12	71.01
	% ASH	18.03	18.47	18.90	19.24
2.000	% YLD	72.99	74.65	75.89	76.79
	% ASH	19.43	19.80	20.17	20.48
3.000	% YLD	76.54	78.19	79.44	80.34
	% ASH	20.59	20.92	21.26	21.54
4.000	% YLD	79.02	80.67	81.91	82.81
	% ASH	21.59	21.89	22.20	22.46

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

2-c

OVERALL CLEAN COAL ASH CONTENT = 19.00

MAXIMUM YIELD = 71.22

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	1.692
2	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 20.00

MAXIMUM YIELD = 75.31

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	2.000
2	W/O CYCL 28M x 100M	1.653

OVERALL CLEAN COAL ASH CONTENT = 21.00

MAXIMUM YIELD = 78.59

VAR. PROC. NO.	PROCESS	P.D.
1	BAUM JIG +28M	2.761
2	W/O CYCL 28M x 100M	1.700

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** SIMON - CARVES OF CANADA **

F1304 ~~1304~~

3-C

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	39.00
TOTAL	3.50	.00	39.00

VARIABLE PROCESS 1: 35.00% ROM VARIABLE PROCESS 2: 61.50% ROM

H/M BATH +1/4

W/O CYCL 1/4 x 100M

PD	% YLD	% ASH
1.500	84.00	16.00
1.600	87.40	17.10
1.700	89.60	18.10
1.800	91.70	19.10

PD	% YLD	% ASH
1.500	56.60	19.40
1.600	65.70	21.50
1.700	72.20	23.30
1.800	77.10	24.60

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3-C

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: W/O CYCL 1/4 x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: H/M BATH		1.500	1.600	1.700	1.800
1.500	% YLD	64.21	69.81	73.80	76.82
	% ASH	17.84	19.18	20.39	21.31
1.600	% YLD	65.40	71.00	74.99	78.01
	% ASH	18.32	19.60	20.77	21.66
1.700	% YLD	66.17	71.77	75.76	78.78
	% ASH	18.78	20.01	21.15	22.01
1.800	% YLD	66.90	72.50	76.50	79.51
	% ASH	19.26	20.44	21.54	22.38

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

3-C

OVERALL CLEAN COAL ASH CONTENT = 19.00

MAXIMUM YIELD = 69.04

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	W/O CYCL 1/4 x 100M	1.586

OVERALL CLEAN COAL ASH CONTENT = 20.00

MAXIMUM YIELD = 72.51

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	W/O CYCL 1/4 x 100M	1.668

OVERALL CLEAN COAL ASH CONTENT = 21.00

MAXIMUM YIELD = 75.80

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	W/O CYCL 1/4 x 100M	1.766

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** SIMON - CARVES OF CANADA **

F1304
4-C

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100M x 0 RAW COAL	3.50	.00	39.00
TOTAL	3.50	.00	39.00

VARIABLE PROCESS 1: 82.50% ROM

VARIABLE PROCESS 2: 14.00% ROM

W/O CYCL 2 x 28M

W/O CYCL 28M x 100M

PD	% YLD	% ASH
1.500	65.20	16.90
1.600	73.00	18.50
1.700	78.70	19.90
1.800	82.90	20.90

PD	% YLD	% ASH
1.500	47.60	24.70
1.600	59.40	27.00
1.700	68.30	29.00
1.800	74.70	30.50

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VARIABLE PROCESS 1: W/O CYCL 2 x 28M

4-c

VARIABLE PROCESS 2: W/O CYCL 28M x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: W/O CYCL		1.500	1.600	1.700	1.800
1.500	% YLD	60.45	62.11	63.35	64.25
	% ASH	17.76	18.25	18.73	19.11
1.600	% YLD	66.89	68.54	69.79	70.68
	% ASH	19.12	19.53	19.94	20.28
1.700	% YLD	71.59	73.24	74.49	75.39
	% ASH	20.35	20.71	21.07	21.37
1.800	% YLD	75.06	76.71	77.95	78.85
	% ASH	21.24	21.56	21.89	22.17

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

4-C

OVERALL CLEAN COAL ASH CONTENT = 19.00

MAXIMUM YIELD = 66.33

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.591
2	W/O CYCL 28M x 100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 20.00

MAXIMUM YIELD = 70.42

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.640
2	W/O CYCL 28M x 100M	1.600

OVERALL CLEAN COAL ASH CONTENT = 21.00

MAXIMUM YIELD = 74.43

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL 2 x 28M	1.734
2	W/O CYCL 28M x 100M	1.600

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** SIMON - CARVES OF CANADA **

F1304

6-C

COMPOSITE OF PREDICTIONS

DATE: 20 OCT 77

FIXED PROCESSES

NAME % ROM % YLD % ASH

H/M BATH 10 PCT 1/2x1/4 (01.6)	1.55	85.70	17.10
BLEND IN 90 PCT 1/2x0 RAW COAL	72.45	100.00	30.30
DISCARD 10 PCT 100Mx0 RAW COAL	.35	.00	39.00
TOTAL	74.35	99.23	30.06

VARIABLE PROCESS 1: 19.50% ROM

VARIABLE PROCESS 2: 6.15% ROM

H/M BATH +1/2

W/O CYCL 10 PCT 1/4 x 100M

PD	% YLD	% ASH
1.500	85.90	16.10
1.600	89.00	17.10
1.700	91.00	18.00
1.800	92.80	18.80

PD	% YLD	% ASH
1.500	56.60	19.40
1.600	65.70	21.50
1.700	72.20	23.30
1.800	77.10	24.60

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VARIABLE PROCESS 1: H/M BATH +1/2

VARIABLE PROCESS 2: W/O CYCL 10 PCT 1/4 x 100M

6-C

PI'S FOR		PI'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: H/M BATH		1.500	1.600	1.700	1.800
1.500	% YLD	94.01	94.57	94.97	95.27
	% ASH	27.18	27.22	27.28	27.34
1.600	% YLD	94.61	95.17	95.57	95.88
	% ASH	27.29	27.34	27.39	27.45
1.700	% YLD	95.00	95.56	95.96	96.26
	% ASH	27.42	27.46	27.52	27.57
1.800	% YLD	95.36	95.91	96.31	96.62
	% ASH	27.54	27.58	27.63	27.68

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

B-C

OVERALL CLEAN COAL ASH CONTENT = 27.50

MAXIMUM YIELD = 96.05

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/2	1.644
2	W/O CYCL 10 PCT 1/4 x 100M	1.800

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** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

7-C

DATE: 20 OCT 77

FIXED PROCESSES

	NAME	% ROM	% YLD	% ASH
BLEND IN 80 PCT 1/4x0 RAW COAL		52.00	100.00	31.70
DISCARD 20 PCT 100Mx0 RAW COAL		.70	.00	39.00
TOTAL		52.70	98.67	31.70

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 12.30% ROM

H/M BATH +1/4

W/D CYCL 20 PCT 1/4 x 100M

PD	% YLD	% ASH
1.500	84.00	16.00
1.600	87.40	17.10
1.700	89.60	18.10
1.800	91.70	19.10

PD	% YLD	% ASH
1.500	56.60	19.40
1.600	65.70	21.50
1.700	72.20	23.30
1.800	77.10	24.60

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VARIABLE PROCESS 1: H/M BATH +1/4

7-C

VARIABLE PROCESS 2: W/O CYCL 20 PCT 1/4 x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1:		1.500	1.600	1.700	1.800
H/M BATH					
1.500	% YLD	88.36	89.48	90.28	90.88
	% ASH	25.51	25.62	25.76	25.88
1.600	% YLD	89.55	90.67	91.47	92.07
	% ASH	25.76	25.87	26.00	26.12
1.700	% YLD	90.32	91.44	92.24	92.84
	% ASH	26.03	26.13	26.27	26.38
1.800	% YLD	91.06	92.18	92.98	93.58
	% ASH	26.32	26.42	26.55	26.66

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AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

7-c

OVERALL CLEAN COAL ASH CONTENT = 26.00

MAXIMUM YIELD = 91.48

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH #174	1.550
2	W/O CYCL 20 PCT 1/4 x 100M	1.800

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** SIMON - CARVES OF CANADA **

F1304

BIRTLEY 176

COMPOSITE OF PREDICTIONS

C- Partial Wash 1/4" x 100M

DATE: 08 DEC 77

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
BLEND IN 50 PCT 1/4 x 100M RC	30.75	100.00	31.35
DISCARD 100M x 0 RC	3.50	.00	39.00
TOTAL	34.25	89.78	31.35

VARIABLE PROCESS 1: 35.00% ROM

VARIABLE PROCESS 2: 30.75% ROM

H/M BATH +1/4

W/O CYCL 50 PCT OF 1/4 x 100M

PD	% YLD	% ASH
1.500	84.00	16.00
1.600	87.40	17.10
1.700	89.60	18.10
1.800	91.70	19.10

PD	% YLD	% ASH
1.500	56.60	19.40
1.600	65.70	21.50
1.700	72.20	23.30
1.800	77.10	24.60

C

VARIABLE PROCESS 1: H/M BATH +1/4

VARIABLE PROCESS 2: W/O CYCL 50 PCT OF 1/4 x 100M

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL			
VAR. PR. 1: H/M BATH		1.500	1.600	1.700	1.800
1.500	% YLD	77.55	80.35	82.35	83.86
	% ASH	22.85	23.26	23.70	24.06
1.600	% YLD	78.74	81.54	83.54	85.05
	% ASH	23.17	23.56	23.99	24.34
1.700	% YLD	79.51	82.31	84.31	85.82
	% ASH	23.51	23.88	24.30	24.64
1.800	% YLD	80.25	83.05	85.05	86.55
	% ASH	23.86	24.22	24.63	24.96

C
AN OVERALL CLEAN COAL ASH VALUE OF 33.75% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 23.50

MAXIMUM YIELD = 81.45

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.500
2	W/O CYCL 50 PCT OF 1/4 x 100M	1.655

OVERALL CLEAN COAL ASH CONTENT = 24.50

MAXIMUM YIELD = 85.45

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH +1/4	1.652
2	W/O CYCL 50 PCT OF 1/4 x 100M	1.800

SECTION

5

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 803
DATA SET NAME: HAT CREEK X +4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	80.20	80.20	23.50	23.50
1.400 - 1.450	5.80	86.00	28.00	23.80
1.450 - 1.500	0.00	86.00	51.10	23.80
1.500 - 1.600	8.60	94.60	51.10	26.28
1.600 - 1.800	0.00	94.60	72.10	26.28
1.800 - 2.600	5.40	100.00	72.10	28.76

HEAD ASH OF WASHABILITY DATA = 28.76
(HEAD ASH OF BULK SAMPLE = 28.76)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 805
DATA SET NAME: HAT CREEK X 4x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	43.20	43.20	15.30	15.30
1.400 - 1.450	10.30	53.50	31.90	18.50
1.450 - 1.500	9.10	62.60	38.40	21.39
1.500 - 1.600	8.40	71.00	51.80	24.99
1.600 - 1.800	16.00	87.00	69.00	33.08
1.800 - 2.600	13.00	100.00	80.30	39.22

HEAD ASH OF WASHABILITY DATA = 39.22
(HEAD ASH OF BULK SAMPLE = 39.22)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 807
DATA SET NAME: HAT CRK X 1/2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	35.50	35.50	14.40	14.40
1.400 - 1.450	9.20	44.70	29.00	17.40
1.450 - 1.500	10.50	55.20	36.30	21.00
1.500 - 1.600	11.10	66.30	50.30	25.90
1.600 - 1.800	17.40	83.70	69.70	35.01
1.800 - 2.600	16.30	100.00	80.30	42.39

HEAD ASH OF WASHABILITY DATA = 42.39
(HEAD ASH OF BULK SAMPLE = 42.39)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 809
DATA SET NAME: HAT CREEK Y 4x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	41.50	41.50	12.10	12.10
1.400 - 1.450	12.80	54.30	21.00	14.20
1.450 - 1.500	8.20	62.50	27.90	16.00
1.500 - 1.600	9.70	72.20	45.80	20.00
1.600 - 1.800	8.90	81.10	65.60	25.00
1.800 - 2.600	18.90	100.00	79.70	35.34

HEAD ASH OF WASHABILITY DATA = 35.34
(HEAD ASH OF BULK SAMPLE = 35.34)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 811
DATA SET NAME: HAT CRK Y 1/2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	30.10	30.10	10.90	10.90
1.400 - 1.450	10.30	40.40	21.90	13.70
1.450 - 1.500	5.80	46.20	28.80	15.60
1.500 - 1.600	9.40	55.60	41.00	19.89
1.600 - 1.800	16.30	71.90	57.00	28.31
1.800 - 2.600	28.10	100.00	85.30	44.32

HEAD ASH OF WASHABILITY DATA = 44.32
(HEAD ASH OF BULK SAMPLE = 44.32)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: B21
DATA SET NAME: HAT CRK X&Y 4x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	42.46	42.46	13.79	13.79
1.400 - 1.450	11.54	54.00	25.85	16.37
1.450 - 1.500	8.62	62.62	33.41	18.71
1.500 - 1.600	9.05	71.67	48.58	22.48
1.600 - 1.800	12.40	84.07	67.78	29.17
1.800 - 2.600	15.93	100.00	79.94	37.25

HEAD ASH OF WASHABILITY DATA = 37.25
(HEAD ASH OF BULK SAMPLE = 37.25)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823
DATA SET NAME: HT CR X&Y 1/2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	32.80	32.80	12.79	12.79
1.400 - 1.450	9.75	42.55	25.25	15.65
1.450 - 1.500	8.15	50.70	33.63	18.54
1.500 - 1.600	10.25	60.95	46.04	23.16
1.600 - 1.800	16.85	77.80	63.56	31.91
1.800 - 2.600	22.20	100.00	83.46	43.35

HEAD ASH OF WASHABILITY DATA = 43.35
(HEAD ASH OF BULK SAMPLE = 43.35)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 827
DATA SET NAME: HAT CRK X&Y 4x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	39.63	39.63	13.55	13.55
1.400 - 1.450	11.01	50.64	25.69	16.19
1.450 - 1.500	8.48	59.12	33.47	18.67
1.500 - 1.600	9.40	68.52	47.77	22.66
1.600 - 1.800	13.71	82.23	66.25	29.93
1.800 - 2.600	17.77	100.00	81.23	39.04

HEAD ASH OF WASHABILITY DATA = 39.04
(HEAD ASH OF BULK SAMPLE = 39.05)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821
 DATA SET NAME: HAT CRK X&Y 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
1.289	1.300	5.12	5.12	5.17	5.17	100.00	5.12	.00
1.300	1.350	19.17	24.29	11.18	9.91	99.99	19.17	.00
1.350	1.400	18.17	42.46	19.02	13.81	98.93	17.97	.19
1.400	1.425	6.30	48.76	24.18	15.15	97.54	6.14	.15
1.425	1.450	5.24	54.00	27.81	16.38	95.07	4.98	.26
1.450	1.475	5.04	59.04	31.47	17.66	85.90	4.33	.71
1.475	1.500	3.58	62.62	35.99	18.71	63.11	2.26	1.32
1.500	1.525	2.78	65.40	41.46	19.68	36.25	1.01	1.77
1.525	1.550	2.02	67.43	47.24	20.51	17.99	.36	1.66
1.550	1.575	2.08	69.51	51.88	21.44	11.94	.25	1.83
1.575	1.600	2.16	71.67	55.67	22.48	8.59	.19	1.98
1.600	1.625	1.79	73.46	58.95	23.37	6.56	.12	1.67
1.625	1.650	1.49	74.95	61.93	24.13	5.17	.08	1.41
1.650	1.700	2.83	77.78	65.99	25.66	3.37	.10	2.74
1.700	1.750	3.17	80.95	70.83	27.43	1.89	.06	3.11
1.750	1.800	3.12	84.07	74.14	29.16	.93	.03	3.09
1.800	1.900	4.98	89.05	77.04	31.84	.00	.00	4.98
1.900	2.000	3.94	92.99	78.33	33.80	.00	.00	3.94
2.000	2.100	2.66	95.64	78.72	35.05	.00	.00	2.66
2.100	2.200	1.41	97.05	80.34	35.71	.00	.00	1.41
2.200	2.300	.46	97.51	82.28	35.93	.00	.00	.46
2.300	2.400	.05	97.56	84.17	35.96	.00	.00	.05
2.400	2.500	.47	98.03	86.77	36.20	.00	.00	.47
2.500	2.600	1.97	100.00	89.49	37.25	.00	.00	1.97

HEAD ASH OF WASHABILITY DATA = 37.25
 AVERAGE S.G. FEED = 1.539
 AVERAGE S.G. FLOATS = 1.378
 AVERAGE S.G. SINKS = 1.803

PROCESS: HEAVY MEDIUM BATH

F1 = .995	PREDICTED YIELD	62.17%	YIELD ERROR	1.87%
F2 = 1.200	ASH	19.20%	ASH ERROR	.63%
PD = 1.500	PREDICTED REJECTS	37.83%	ORGANIC EFFICIENCY	97.08%
EP = .0245	ASH	66.89%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821
 DATA SET NAME: HAT CRK X&Y 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.289	1.300	5.12	5.12	5.17	5.17	100.00	.00
1.300	1.350	19.17	24.29	11.18	9.91	100.00	.00
1.350	1.400	18.17	42.46	19.02	13.81	100.00	.00
1.400	1.450	11.54	54.00	25.78	16.37	99.43	.07
1.450	1.500	8.62	62.62	33.05	18.66	98.12	.16
1.500	1.525	2.78	65.40	41.44	19.63	96.48	.10
1.525	1.550	2.02	67.43	47.24	20.46	92.44	.15
1.550	1.575	2.08	69.51	51.88	21.40	80.35	.41
1.575	1.600	2.16	71.67	55.67	22.44	60.66	.85
1.600	1.625	1.79	73.46	58.95	23.32	38.84	1.09
1.625	1.650	1.49	74.95	61.93	24.09	21.21	1.17
1.650	1.675	1.40	76.35	64.66	24.83	14.18	1.20
1.675	1.700	1.44	77.78	67.27	25.62	10.72	1.28
1.700	1.725	1.54	79.32	69.72	26.47	8.18	1.41
1.725	1.750	1.63	80.95	71.77	27.39	6.60	1.52
1.750	1.775	1.63	82.59	73.46	28.30	5.47	1.55
1.775	1.800	1.48	84.07	74.82	29.12	4.34	1.42
1.800	1.850	2.60	86.67	76.36	30.53	3.08	2.52
1.850	1.900	2.38	89.05	77.60	31.79	1.92	2.34
1.900	1.950	2.12	91.17	78.19	32.87	1.11	2.10
1.950	2.000	1.82	92.99	78.43	33.76	.40	1.81
2.000	2.100	2.66	95.64	78.72	35.01	.00	2.66
2.100	2.200	1.41	97.05	80.34	35.67	.00	1.41
2.200	2.300	.46	97.51	82.28	35.89	.00	.46
2.300	2.400	.05	97.56	84.17	35.92	.00	.05
2.400	2.500	.47	98.03	86.77	36.16	.00	.47
2.500	2.600	1.97	100.00	89.49	37.21	.00	1.97

HEAD ASH OF WASHABILITY DATA = 37.25
 AVERAGE S.G. FEED = 1.539
 AVERAGE S.G. FLOATS = 1.401
 AVERAGE S.G. SINKS = 1.891

PROCESS: HEAVY MEDIUM BATH

F1 = .995	PREDICTED YIELD	71.84%	YIELD ERROR	.75%
F2 = 1.200	ASH	22.89%	ASH ERROR	.37%
PD = 1.600	PREDICTED REJECTS	28.16%	ORGANIC EFFICIENCY	98.96%
EP = .0301	ASH	73.72%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821
 DATA SET NAME: HAT CRK X&Y 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.289	1.300	5.12	5.12	5.17	5.17	100.00	.00
1.300	1.350	19.17	24.29	11.18	9.91	100.00	.00
1.350	1.400	18.17	42.46	19.02	13.81	100.00	.00
1.400	1.450	11.54	54.00	25.78	16.37	100.00	.00
1.450	1.500	8.62	62.62	33.05	18.66	99.72	.02
1.500	1.550	4.81	67.43	43.90	20.46	98.79	.06
1.550	1.600	4.24	71.67	53.90	22.44	97.48	.11
1.600	1.625	1.79	73.46	58.95	23.33	94.54	.10
1.625	1.650	1.49	74.95	61.93	24.10	89.13	.16
1.650	1.675	1.40	76.35	64.66	24.84	76.13	.33
1.675	1.700	1.44	77.78	67.27	25.62	58.97	.59
1.700	1.725	1.54	79.32	69.72	26.48	40.63	.91
1.725	1.750	1.63	80.95	71.77	27.39	24.14	1.24
1.750	1.775	1.63	82.59	73.46	28.30	16.33	1.37
1.775	1.800	1.48	84.07	74.82	29.12	12.34	1.30
1.800	1.825	1.32	85.39	75.92	29.85	9.89	1.19
1.825	1.850	1.28	86.67	76.75	30.54	7.92	1.17
1.850	1.875	1.22	87.89	77.37	31.19	6.63	1.14
1.875	1.900	1.16	89.05	77.80	31.80	5.67	1.10
1.900	1.925	1.10	90.14	78.09	32.36	4.70	1.04
1.925	1.950	1.02	91.17	78.28	32.88	3.85	.98
1.950	2.000	1.82	92.99	78.43	33.77	2.90	1.76
2.000	2.050	1.49	94.48	78.60	34.47	1.95	1.46
2.050	2.100	1.17	95.64	78.98	35.02	1.24	1.15
2.100	2.150	.85	96.49	79.88	35.41	.64	.84
2.150	2.200	.56	97.05	81.05	35.67	.13	.56
2.200	2.300	.46	97.51	82.28	35.89	.00	.46
2.300	2.400	.05	97.56	84.17	35.92	.00	.05
2.400	2.500	.47	98.03	86.77	36.16	.00	.47
2.500	2.600	1.97	100.00	89.49	37.21	.00	1.97

HEAD ASH OF WASHABILITY DATA = 37.25
 AVERAGE S.G. FEED = 1.539
 AVERAGE S.G. FLOATS = 1.423
 AVERAGE S.G. SINKS = 1.963

PROCESS: HEAVY MEDIUM BATH

F1 = .995	PREDICTED YIELD	78.45%	YIELD ERROR	.39%
F2 = 1.200	ASH	26.21%	ASH ERROR	.22%
	PREDICTED REJECTS	21.55%	ORGANIC EFFICIENCY	99.51%
PD = 1.700	ASH	77.26%		
EP = .0357				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821
 DATA SET NAME: HAT CRK X&Y 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.289	1.300	5.12	5.12	5.17	5.17	100.00	.00
1.300	1.350	19.17	24.29	11.18	9.91	100.00	.00
1.350	1.400	18.17	42.46	19.02	13.81	100.00	.00
1.400	1.450	11.54	54.00	25.78	16.37	100.00	.00
1.450	1.500	8.62	62.62	33.05	18.66	100.00	.00
1.500	1.550	4.81	67.43	43.90	20.46	99.88	.01
1.550	1.600	4.24	71.67	53.90	22.44	99.18	.03
1.600	1.650	3.28	74.95	60.32	24.10	98.22	.06
1.650	1.675	1.40	76.35	64.66	24.84	97.30	.04
1.675	1.700	1.44	77.78	67.27	25.62	95.85	.06
1.700	1.725	1.54	79.32	69.72	26.48	92.73	.11
1.725	1.750	1.63	80.95	71.77	27.39	85.58	.23
1.750	1.775	1.63	82.59	73.46	28.30	72.90	.44
1.775	1.800	1.48	84.07	74.82	29.12	57.74	.63
1.800	1.825	1.32	85.39	75.92	29.85	41.94	.77
1.825	1.850	1.28	86.67	76.75	30.54	26.72	.93
1.850	1.875	1.22	87.89	77.37	31.19	18.16	1.00
1.875	1.900	1.16	89.05	77.80	31.80	13.95	1.00
1.900	1.925	1.10	90.14	78.09	32.36	11.34	.97
1.925	1.950	1.02	91.17	78.28	32.88	9.30	.93
1.950	1.975	.95	92.12	78.39	33.34	7.74	.87
1.975	2.000	.87	92.99	78.47	33.77	6.65	.81
2.000	2.025	.79	93.77	78.55	34.14	5.81	.74
2.025	2.050	.71	94.48	78.67	34.47	4.98	.67
2.050	2.100	1.17	95.64	78.98	35.02	3.85	1.12
2.100	2.150	.85	96.49	79.88	35.41	2.78	.83
2.150	2.200	.56	97.05	81.05	35.68	1.96	.55
2.200	2.250	.32	97.37	82.05	35.83	1.33	.31
2.250	2.300	.14	97.51	82.92	35.89	.81	.14
2.300	2.350	.03	97.54	83.71	35.91	.31	.03
2.350	2.400	.02	97.56	84.94	35.92	.02	.02
2.400	2.500	.47	98.03	86.77	36.16	.00	.47
2.500	2.600	1.97	100.00	89.49	37.21	.00	1.97

HEAD ASH OF WASHABILITY DATA = 37.25

AVERAGE S.G. FEED = 1.539
 AVERAGE S.G. FLOATS = 1.446
 AVERAGE S.G. SINKS = 2.038

PROCESS: HEAVY MEDIUM BATH

F1 = .995	PREDICTED YIELD	84.25%	YIELD ERROR	.19%
F2 = 1.200	ASH	29.33%	ASH ERROR	.10%
	PREDICTED REJECTS	15.75%	ORGANIC EFFICIENCY	99.78%
PD = 1.800	ASH	79.40%		
EP = .0413				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823
 DATA SET NAME: HT CR X&Y 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.287	1.300	4.52	6.44	6.44	99.62	4.51	.02
1.300	1.350	15.79	10.64	9.70	98.99	15.62	.16
1.350	1.400	12.50	17.67	12.74	97.65	12.20	.29
1.400	1.425	5.27	23.37	14.21	95.29	5.02	.25
1.425	1.450	4.48	27.41	15.60	90.41	4.05	.43
1.450	1.475	4.35	31.62	17.09	77.49	3.37	.98
1.475	1.500	3.80	35.89	18.50	59.50	2.26	1.54
1.500	1.525	2.95	40.23	19.69	40.06	1.18	1.77
1.525	1.550	2.39	44.63	20.75	23.15	.55	1.83
1.550	1.575	2.42	48.48	21.90	15.64	.38	2.04
1.575	1.600	2.49	51.82	23.13	11.79	.29	2.20
1.600	1.625	2.25	54.84	24.25	9.28	.21	2.04
1.625	1.650	2.05	57.65	25.30	7.44	.15	1.90
1.650	1.675	2.01	60.28	26.35	6.24	.13	1.88
1.675	1.700	2.06	62.79	27.43	5.25	.11	1.95
1.700	1.750	4.34	66.35	29.72	3.83	.17	4.18
1.750	1.800	4.15	77.80	31.88	2.57	.11	4.04
1.800	1.850	3.18	73.41	33.51	1.64	.05	3.13
1.850	1.900	2.39	76.02	34.73	.98	.02	2.37
1.900	1.950	1.80	78.21	35.65	.35	.01	1.79
1.950	2.000	1.37	80.11	36.36	.00	.00	1.37
2.000	2.100	2.04	82.72	37.43	.00	.00	2.04
2.100	2.200	1.81	86.03	38.40	.00	.00	1.81
2.200	2.300	2.10	87.95	39.52	.00	.00	2.10
2.300	2.400	2.52	88.99	40.83	.00	.00	2.52
2.400	2.500	2.71	89.65	42.19	.00	.00	2.71
2.500	2.600	2.28	90.39	43.28	.00	.00	2.28

HEAD ASH OF WASHABILITY DATA = 43.35

AVERAGE S.G. FEED = 1.620

AVERAGE S.G. FLOATS = 1.385

AVERAGE S.G. SINKS = 1.858

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	50.39%	YIELD ERROR	3.25%
F2 = 1.200	ASH	19.69%	ASH ERROR	1.30%
PD = 1.500	PREDICTED REJECTS	49.61%	ORGANIC EFFICIENCY	93.95%
EP = .0337	ASH	67.25%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823
 DATA SET NAME: HT CR X&Y 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.287	1.300	4.52	6.44	6.44	100.00	4.52	.00
1.300	1.350	15.78	10.64	9.70	99.87	15.76	.02
1.350	1.400	12.50	17.67	12.74	99.17	12.39	.10
1.400	1.450	9.75	25.15	15.58	98.20	9.57	.18
1.450	1.475	4.35	31.62	17.07	97.28	4.23	.12
1.475	1.500	3.80	35.89	18.48	95.82	3.64	.16
1.500	1.525	2.95	40.23	19.68	92.68	2.74	.22
1.525	1.550	2.39	44.63	20.74	85.50	2.04	.35
1.550	1.575	2.42	48.48	21.89	72.84	1.76	.66
1.575	1.600	2.49	51.82	23.11	57.71	1.44	1.06
1.600	1.625	2.25	54.84	24.24	41.97	.94	1.30
1.625	1.650	2.05	57.65	25.29	26.77	.55	1.50
1.650	1.675	2.01	60.28	26.33	18.20	.37	1.64
1.675	1.700	2.06	62.79	27.42	13.98	.29	1.77
1.700	1.725	2.14	65.21	28.55	11.37	.24	1.90
1.725	1.750	2.20	67.40	29.71	9.34	.21	1.99
1.750	1.775	2.17	69.36	30.84	7.76	.17	2.00
1.775	1.800	1.98	71.13	31.87	6.67	.13	1.85
1.800	1.825	1.70	72.73	32.74	5.83	.10	1.60
1.825	1.850	1.48	74.17	33.50	5.01	.07	1.41
1.850	1.900	2.39	76.02	34.72	3.87	.09	2.30
1.900	1.950	1.80	78.21	35.64	2.80	.05	1.75
1.950	2.000	1.37	80.11	36.34	1.98	.03	1.35
2.000	2.050	1.10	81.90	36.92	1.34	.01	1.08
2.050	2.100	.95	83.73	37.41	.83	.01	.94
2.100	2.150	.89	85.35	37.89	.33	.00	.89
2.150	2.200	.92	86.60	38.39	.02	.00	.92
2.200	2.300	2.10	87.95	39.51	.00	.00	2.10
2.300	2.400	2.52	88.99	40.82	.00	.00	2.52
2.400	2.500	2.71	89.65	42.18	.00	.00	2.71
2.500	2.600	2.28	90.39	43.27	.00	.00	2.28

HEAD ASH OF WASHABILITY DATA = 43.35
 AVERAGE S.G. FEED = 1.620
 AVERAGE S.G. FLOATS = 1.415
 AVERAGE S.G. SINKS = 1.945

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	61.36%	YIELD ERROR	1.73%
F2 = 1.200	ASH	24.19%	ASH ERROR	.87%
PD = 1.600	PREDICTED REJECTS	38.64%	ORGANIC EFFICIENCY	97.25%
EP = .0414	ASH	73.58%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823
 DATA SET NAME: HT CR X&Y 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.287 1.300	4.52	4.52	6.44	6.44	100.00	4.52	.00
1.300 1.350	15.78	20.30	10.64	9.70	100.00	15.78	.00
1.350 1.400	12.50	32.80	17.67	12.74	99.86	12.48	.02
1.400 1.450	9.75	42.55	25.15	15.58	99.28	9.68	.07
1.450 1.500	8.15	50.70	33.56	18.47	98.54	8.03	.12
1.500 1.550	5.34	56.04	42.20	20.73	97.53	5.21	.13
1.550 1.575	2.42	58.46	48.48	21.88	96.13	2.32	.09
1.575 1.600	2.49	60.95	51.82	23.11	93.73	2.34	.16
1.600 1.625	2.25	63.20	54.84	24.23	89.50	2.01	.24
1.625 1.650	2.05	65.24	57.65	25.28	80.87	1.66	.39
1.650 1.675	2.01	67.25	60.28	26.33	69.44	1.39	.61
1.675 1.700	2.06	69.31	62.79	27.41	56.49	1.16	.90
1.700 1.725	2.14	71.45	65.21	28.54	43.27	.93	1.22
1.725 1.750	2.20	73.65	67.40	29.70	29.87	.66	1.54
1.750 1.775	2.17	75.82	69.36	30.84	20.88	.45	1.71
1.775 1.800	1.98	77.80	71.13	31.86	16.13	.32	1.66
1.800 1.825	1.70	79.50	72.73	32.74	13.06	.22	1.48
1.825 1.850	1.48	80.98	74.17	33.50	11.09	.16	1.32
1.850 1.875	1.28	82.26	75.47	34.15	9.38	.12	1.16
1.875 1.900	1.11	83.37	76.65	34.72	8.00	.09	1.02
1.900 1.925	.96	84.34	77.74	35.21	7.00	.07	.89
1.925 1.950	.84	85.17	78.74	35.63	6.23	.05	.78
1.950 1.975	.73	85.90	79.69	36.01	5.55	.04	.69
1.975 2.000	.64	86.55	80.60	36.34	4.84	.03	.61
2.000 2.050	1.10	87.64	81.90	36.91	3.90	.04	1.05
2.050 2.100	.95	88.59	83.73	37.41	2.96	.03	.92
2.100 2.150	.89	89.48	85.35	37.89	2.24	.02	.87
2.150 2.200	.92	90.40	86.60	38.38	1.63	.01	.90
2.200 2.250	.99	91.39	87.55	38.92	1.16	.01	.98
2.250 2.300	1.10	92.49	88.25	39.51	.73	.01	1.09
2.300 2.350	1.21	93.71	88.77	40.14	.31	.00	1.21
2.350 2.400	1.31	95.02	89.16	40.82	.04	.00	1.31
2.400 2.500	2.71	97.72	89.65	42.17	.00	.00	2.71
2.500 2.600	2.28	100.00	90.39	43.27	.00	.00	2.28

HEAD ASH OF WASHABILITY DATA = 43.35
 AVERAGE S.G. FEED = 1.620
 AVERAGE S.G. FLOATS = 1.445
 AVERAGE S.G. SINKS = 2.026

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	69.86%	YIELD ERROR	1.11%
F2 = 1.200	ASH	28.29%	ASH ERROR	.59%
PD = 1.700	PREDICTED REJECTS	30.14%	ORGANIC EFFICIENCY	98.44%
EP = .0492	ASH	77.99%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823

DATA SET NAME: HT CR X&Y 1/2x1/4

DATE: 13 DEC 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.287 1.300	4.52	4.52	6.44	6.44	100.00	4.52	.00
1.300 1.350	15.78	20.30	10.64	9.70	100.00	15.78	.00
1.350 1.400	12.50	32.80	17.67	12.74	100.00	12.50	.00
1.400 1.450	9.75	42.55	25.15	15.58	99.85	9.74	.01
1.450 1.500	8.15	50.70	33.56	18.47	99.37	8.10	.05
1.500 1.550	5.34	56.04	42.20	20.73	98.74	5.27	.07
1.550 1.600	4.91	60.95	50.23	23.11	97.87	4.81	.10
1.600 1.650	4.29	65.24	56.20	25.29	96.89	4.16	.13
1.650 1.675	2.01	67.25	60.28	26.33	94.37	1.89	.11
1.675 1.700	2.06	69.31	62.79	27.42	91.65	1.89	.17
1.700 1.725	2.14	71.45	65.21	28.55	86.00	1.84	.30
1.725 1.750	2.20	73.65	67.40	29.71	77.19	1.70	.50
1.750 1.775	2.17	75.82	69.36	30.84	66.87	1.45	.72
1.775 1.800	1.98	77.80	71.13	31.87	55.59	1.10	.88
1.800 1.825	1.70	79.50	72.73	32.74	44.22	.75	.95
1.825 1.850	1.48	80.98	74.17	33.50	32.38	.48	1.00
1.850 1.875	1.28	82.26	75.47	34.15	23.37	.30	.98
1.875 1.900	1.11	83.37	76.65	34.72	17.94	.20	.91
1.900 1.925	.96	84.34	77.74	35.21	14.81	.14	.82
1.925 1.950	.84	85.17	78.74	35.64	12.49	.10	.73
1.950 1.975	.73	85.90	79.69	36.01	10.89	.08	.65
1.975 2.000	.64	86.55	80.60	36.34	9.41	.06	.58
2.000 2.025	.57	87.12	81.48	36.64	8.19	.05	.53
2.025 2.050	.52	87.64	82.37	36.91	7.26	.04	.48
2.050 2.075	.48	88.13	83.29	37.17	6.53	.03	.45
2.075 2.100	.46	88.59	84.19	37.41	5.93	.03	.43
2.100 2.125	.45	89.04	84.99	37.65	5.35	.02	.42
2.125 2.150	.45	89.48	85.70	37.89	4.73	.02	.42
2.150 2.200	.92	90.40	86.60	38.39	3.92	.04	.88
2.200 2.250	.99	91.39	87.55	38.92	3.09	.03	.96
2.250 2.300	1.10	92.49	88.25	39.51	2.44	.03	1.07
2.300 2.350	1.21	93.71	88.77	40.15	1.87	.02	1.19
2.350 2.400	1.31	95.02	89.16	40.82	1.41	.02	1.29
2.400 2.450	1.36	96.38	89.49	41.51	1.03	.01	1.35
2.450 2.500	1.35	97.72	89.82	42.17	.65	.01	1.34
2.500 2.550	1.25	98.97	90.20	42.78	.30	.00	1.24
2.550 2.600	1.03	100.00	90.68	43.27	.06	.00	1.03

HEAD ASH OF WASHABILITY DATA = 43.35

AVERAGE S.G. FEED = 1.620

AVERAGE S.G. FLOATS = 1.474

AVERAGE S.G. SINKS = 2.115

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370

F2 = 1.200

PD = 1.800

EP = .0569

PREDICTED YIELD 77.21%

ASH 31.95%

PREDICTED REJECTS 22.79%

ASH 81.64%

YIELD ERROR .75%

ASH ERROR .32%

ORGANIC EFFICIENCY 99.04%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821
 DATA SET NAME: HAT CRK X&Y 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLDATS	% OF FEED SINKS
1.289	1.300	5.12	5.12	5.17	5.17	99.77	.01
1.300	1.350	19.17	24.29	11.18	9.91	99.26	.14
1.350	1.400	18.17	42.46	19.02	13.81	96.91	.56
1.400	1.450	11.54	54.00	25.78	16.37	91.48	.98
1.450	1.500	8.62	62.62	33.05	18.66	82.34	1.52
1.500	1.550	4.81	67.43	43.90	20.46	70.22	1.43
1.550	1.600	4.24	71.67	53.90	22.44	56.72	1.84
1.600	1.650	3.28	74.95	60.32	24.10	43.56	1.85
1.650	1.700	2.83	77.78	65.99	25.63	31.99	1.93
1.700	1.750	3.17	80.95	70.83	27.39	22.60	2.45
1.750	1.800	3.12	84.07	74.14	29.13	15.45	2.64
1.800	1.850	2.60	86.67	76.36	30.54	10.28	2.33
1.850	1.900	2.38	89.05	77.60	31.80	6.69	2.22
1.900	1.950	2.12	91.17	78.19	32.88	4.27	2.03
1.950	2.000	1.82	92.99	78.43	33.77	2.68	1.77
2.000	2.050	1.49	94.48	78.60	34.48	1.66	1.47
2.050	2.100	1.17	95.64	78.98	35.02	1.02	1.15
2.100	2.150	.85	96.49	79.88	35.42	.62	.84
2.150	2.200	.56	97.05	81.05	35.68	.38	.56
2.200	2.250	.32	97.37	82.05	35.83	.23	.32
2.250	2.300	.14	97.51	82.92	35.90	.14	.14
2.300	2.350	.03	97.54	83.71	35.91	.08	.03
2.350	2.400	.02	97.56	84.94	35.92	.05	.02
2.400	2.450	.12	97.69	85.89	35.99	.03	.12
2.450	2.500	.35	98.03	87.02	36.17	.02	.35
2.500	2.550	.72	98.75	88.40	36.55	.01	.72
2.550	2.600	1.25	100.00	90.10	37.22	.01	1.25

HEAD ASH OF WASHABILITY DATA = 37.25
 AVERAGE S.G. FEED = 1.539
 AVERAGE S.G. FLDATS = 1.407
 AVERAGE S.G. SINKS = 1.838

PROCESS: BAUM JIG
 SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.136	PREDICTED YIELD	69.33%	YIELD ERROR	4.70%
F2 = 1.250	ASH	23.63%	ASH ERROR	2.28%
	PREDICTED REJECTS	30.67%	ORGANIC EFFICIENCY	93.65%
PD = 1.600	ASH	67.92%		
EP = .1020				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821
 DATA SET NAME: HAT CRK X&Y 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.289 1.300	5.12	5.12	5.17	5.17	99.97	5.12	.00
1.300 1.350	19.17	24.29	11.18	9.91	99.89	19.15	.02
1.350 1.400	18.17	42.46	19.02	13.81	99.35	18.05	.12
1.400 1.450	11.54	54.00	25.78	16.37	97.63	11.27	.27
1.450 1.500	8.62	62.62	33.05	18.66	93.84	8.09	.53
1.500 1.550	4.81	67.43	43.90	20.46	87.36	4.20	.61
1.550 1.600	4.24	71.67	53.90	22.44	78.28	3.32	.92
1.600 1.650	3.28	74.95	60.32	24.10	67.38	2.21	1.07
1.650 1.700	2.83	77.78	65.99	25.63	55.75	1.58	1.25
1.700 1.750	3.17	80.95	70.83	27.39	44.45	1.41	1.74
1.750 1.800	3.12	84.07	74.14	29.13	34.29	1.07	2.05
1.800 1.850	2.60	86.67	76.36	30.54	25.69	.67	1.93
1.850 1.900	2.38	89.05	77.60	31.80	18.76	.45	1.94
1.900 1.950	2.12	91.17	78.19	32.88	13.40	.28	1.84
1.950 2.000	1.82	92.99	78.43	33.77	9.39	.17	1.65
2.000 2.050	1.49	94.48	78.60	34.48	6.48	.10	1.40
2.050 2.100	1.17	95.64	78.98	35.02	4.41	.05	1.11
2.100 2.150	.85	96.49	79.88	35.42	2.96	.03	.82
2.150 2.200	.56	97.05	81.05	35.68	1.97	.01	.55
2.200 2.250	.32	97.37	82.05	35.83	1.30	.00	.31
2.250 2.300	.14	97.51	82.92	35.90	.86	.00	.14
2.300 2.350	.03	97.54	83.71	35.91	.56	.00	.03
2.350 2.400	.02	97.56	84.94	35.92	.36	.00	.02
2.400 2.450	.12	97.69	85.89	35.99	.24	.00	.12
2.450 2.500	.35	98.03	87.02	36.17	.15	.00	.35
2.500 2.550	.72	98.75	88.40	36.55	.10	.00	.72
2.550 2.600	1.25	100.00	90.10	37.22	.06	.00	1.25

HEAD ASH OF WASHABILITY DATA = 37.25
 AVERAGE S.G. FEED = 1.539
 AVERAGE S.G. FLOATS = 1.429
 AVERAGE S.G. SINKS = 1.914

PROCESS: BAUM JIG
 SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.136	PREDICTED YIELD	77.22%	YIELD ERROR	2.40%
F2 = 1.250	ASH	26.65%	ASH ERROR	1.33%
	PREDICTED REJECTS	22.78%	ORGANIC EFFICIENCY	96.99%
PD = 1.700	ASH	73.04%		
EP = .1190				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821
 DATA SET NAME: HAT CRK X&Y 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.289	1.300	5.12	5.12	5.17	5.17	100.00	5.12
1.300	1.350	19.17	24.29	11.18	9.91	99.98	19.17
1.350	1.400	18.17	42.46	19.02	13.81	99.87	18.14
1.400	1.450	11.54	54.00	25.78	16.37	99.40	11.47
1.450	1.500	8.62	62.62	33.05	18.66	98.09	8.46
1.500	1.550	4.81	67.43	43.90	20.46	95.30	4.58
1.550	1.600	4.24	71.67	53.90	22.44	90.53	3.84
1.600	1.650	3.28	74.95	60.32	24.10	83.67	2.74
1.650	1.700	2.83	77.78	65.99	25.63	75.02	2.13
1.700	1.750	3.17	80.95	70.83	27.39	65.22	2.07
1.750	1.800	3.12	84.07	74.14	29.13	55.02	1.72
1.800	1.850	2.60	86.67	76.36	30.54	45.13	1.17
1.850	1.900	2.38	89.05	77.60	31.80	36.09	.86
1.900	1.950	2.12	91.17	78.19	32.88	28.20	.60
1.950	2.000	1.82	92.99	78.43	33.77	21.59	.39
2.000	2.050	1.49	94.48	78.60	34.48	16.23	.24
2.050	2.100	1.17	95.64	78.98	35.02	12.01	.14
2.100	2.150	.85	96.49	79.88	35.42	8.77	.07
2.150	2.200	.56	97.05	81.05	35.68	6.33	.04
2.200	2.250	.32	97.37	82.05	35.83	4.52	.01
2.250	2.300	.14	97.51	82.92	35.90	3.20	.00
2.300	2.350	.03	97.54	83.71	35.91	2.24	.00
2.350	2.400	.02	97.56	84.94	35.92	1.57	.00
2.400	2.450	.12	97.69	85.89	35.99	1.09	.00
2.450	2.500	.35	98.03	87.02	36.17	.75	.00
2.500	2.550	.72	98.75	88.40	36.55	.52	.00
2.550	2.600	1.25	100.00	90.10	37.22	.35	.00

HEAD ASH OF WASHABILITY DATA = 37.25

AVERAGE S.G. FEED = 1.539

AVERAGE S.G. FLOATS = 1.449

AVERAGE S.G. SINKS = 1.980

PROCESS: BAUM JIG
 SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.136 PREDICTED YIELD 82.98% YIELD ERROR 1.24%

F2 = 1.250 ASH 29.21% ASH ERROR .69%

PREDICTED REJECTS 17.02% ORGANIC EFFICIENCY 98.53%

PD = 1.800 ASH 76.25%

EP = .1360

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823
 DATA SET NAME: HT CR X&Y 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.287 1.300	4.52	4.52	6.44	6.44	99.69	4.51	.01
1.300 1.350	15.78	20.30	10.64	9.70	99.27	15.66	.11
1.350 1.400	12.50	32.80	17.67	12.74	97.86	12.23	.27
1.400 1.450	9.75	42.55	25.15	15.58	95.15	9.28	.47
1.450 1.500	8.15	50.70	33.56	18.47	90.90	7.41	.74
1.500 1.550	5.34	56.04	42.20	20.73	85.13	4.54	.79
1.550 1.600	4.91	60.95	50.23	23.11	78.12	3.84	1.07
1.600 1.650	4.29	65.24	56.20	25.29	70.29	3.02	1.28
1.650 1.700	4.07	69.31	61.56	27.42	62.09	2.52	1.54
1.700 1.750	4.34	73.65	66.35	29.71	53.94	2.34	2.00
1.750 1.800	4.15	77.80	70.22	31.87	46.18	1.92	2.23
1.800 1.850	3.18	80.98	73.41	33.50	39.03	1.24	1.94
1.850 1.900	2.39	83.37	76.02	34.72	32.62	.78	1.61
1.900 1.950	1.80	85.17	78.21	35.64	27.00	.49	1.31
1.950 2.000	1.37	86.55	80.11	36.35	22.17	.30	1.07
2.000 2.050	1.10	87.64	81.90	36.92	18.07	.20	.90
2.050 2.100	.95	88.59	83.73	37.42	14.64	.14	.81
2.100 2.150	.89	89.48	85.35	37.90	11.81	.11	.79
2.150 2.200	.92	90.40	86.60	38.39	9.48	.09	.83
2.200 2.250	.99	91.39	87.55	38.92	7.58	.08	.92
2.250 2.300	1.10	92.49	88.25	39.51	6.05	.07	1.03
2.300 2.350	1.21	93.71	88.77	40.15	4.82	.06	1.16
2.350 2.400	1.31	95.02	89.16	40.82	3.83	.05	1.26
2.400 2.450	1.36	96.38	89.49	41.51	3.04	.04	1.32
2.450 2.500	1.35	97.72	89.82	42.18	2.41	.03	1.31
2.500 2.550	1.25	98.97	90.20	42.78	1.90	.02	1.22
2.550 2.600	1.03	100.00	90.68	43.28	1.51	.02	1.02

HEAD ASH OF WASHABILITY DATA = 43.35

AVERAGE S.G. FEED = 1.620
 AVERAGE S.G. FLOATS = 1.470
 AVERAGE S.G. SINKS = 1.987

PROCESS: BAUM JIG
 SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185	PREDICTED YIELD	70.98%	YIELD ERROR	4.68%
F2 = 1.250	ASH	30.75%	ASH ERROR	2.46%
	PREDICTED REJECTS	29.02%	ORGANIC EFFICIENCY	93.82%
PD = 1.750	ASH	73.90%		
EP = .1734				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823
 DATA SET NAME: HT CR X&Y 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS	
1.287	1.300	4.52	4.52	6.44	6.44	99.91	4.52	.00
1.300	1.350	15.78	20.30	10.64	9.70	99.75	15.74	.04
1.350	1.400	12.50	32.80	17.67	12.74	99.16	12.39	.10
1.400	1.450	9.75	42.55	25.15	15.58	97.86	9.54	.21
1.450	1.500	8.15	50.70	33.56	18.47	95.55	7.79	.36
1.500	1.550	5.34	56.04	42.20	20.73	92.04	4.91	.42
1.550	1.600	4.91	60.95	50.23	23.11	87.33	4.29	.62
1.600	1.650	4.29	65.24	56.20	25.29	81.55	3.50	.79
1.650	1.700	4.07	69.31	61.56	27.42	74.97	3.05	1.02
1.700	1.750	4.34	73.65	66.35	29.71	67.89	2.95	1.39
1.750	1.800	4.15	77.80	70.22	31.87	60.64	2.52	1.63
1.800	1.850	3.18	80.98	73.41	33.50	53.48	1.70	1.48
1.850	1.900	2.39	83.37	76.02	34.72	46.63	1.12	1.28
1.900	1.950	1.80	85.17	78.21	35.64	40.24	.72	1.07
1.950	2.000	1.37	86.55	80.11	36.35	34.43	.47	.90
2.000	2.050	1.10	87.64	81.90	36.92	29.22	.32	.78
2.050	2.100	.95	88.59	83.73	37.42	24.63	.23	.71
2.100	2.150	.89	89.48	85.35	37.90	20.64	.18	.71
2.150	2.200	.92	90.40	86.60	38.39	17.21	.16	.76
2.200	2.250	.99	91.39	87.55	38.92	14.28	.14	.85
2.250	2.300	1.10	92.49	88.25	39.51	11.81	.13	.97
2.300	2.350	1.21	93.71	88.77	40.15	9.73	.12	1.10
2.350	2.400	1.31	95.02	89.16	40.82	8.00	.10	1.20
2.400	2.450	1.36	96.38	89.49	41.51	6.56	.09	1.27
2.450	2.500	1.35	97.72	89.82	42.18	5.36	.07	1.28
2.500	2.550	1.25	98.97	90.20	42.78	4.38	.05	1.19
2.550	2.600	1.03	100.00	90.68	43.28	3.57	.04	.99

HEAD ASH OF WASHABILITY DATA = 43.35
 AVERAGE S.G. FEED = 1.620
 AVERAGE S.G. FLOATS = 1.491
 AVERAGE S.G. SINKS = 2.049

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185	PREDICTED YIELD	76.85%	YIELD ERROR	3.30%
F2 = 1.250	ASH	33.08%	ASH ERROR	1.70%
PD = 1.850	PREDICTED REJECTS	23.15%	ORGANIC EFFICIENCY	95.68%
EP = .1966	ASH	77.13%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 827
 DATA SET NAME: HAT CRK X&Y 4x1/4
 DATE: 21 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.286	1.300	10.10	8.08	8.08	90.17	9.10	.99
1.300	1.350	17.96	12.52	10.92	85.07	15.27	2.68
1.350	1.400	11.58	19.63	13.47	75.62	8.75	2.82
1.400	1.450	11.01	25.55	16.09	65.25	7.18	3.83
1.450	1.500	8.48	33.21	18.55	54.92	4.66	3.82
1.500	1.550	4.94	43.35	20.46	45.31	2.24	2.70
1.550	1.600	4.46	52.69	22.56	36.80	1.64	2.82
1.600	1.650	3.58	58.91	24.37	29.51	1.06	2.53
1.650	1.700	3.20	64.40	26.07	23.45	.75	2.45
1.700	1.750	3.51	69.19	27.99	18.50	.65	2.84
1.750	1.800	3.41	72.67	29.84	14.51	.50	2.92
1.800	1.850	2.73	75.20	31.30	11.34	.31	2.42
1.850	1.900	2.29	76.89	32.50	8.84	.20	2.09
1.900	1.950	1.88	77.97	33.46	6.88	.13	1.75
1.950	2.000	1.52	78.69	34.22	5.35	.08	1.44
2.000	2.050	1.20	79.29	34.80	4.16	.05	1.15
2.050	2.100	.93	80.01	35.26	3.23	.03	.90
2.100	2.150	.71	81.07	35.60	2.52	.02	.69
2.150	2.200	.54	82.35	35.87	1.96	.01	.53
2.200	2.250	.43	83.40	36.09	1.53	.01	.43
2.250	2.300	.39	84.27	36.29	1.19	.00	.38
2.300	2.350	.40	85.06	36.49	.93	.00	.40
2.350	2.400	.49	85.83	36.75	.73	.00	.48
2.400	2.450	.64	86.65	37.08	.57	.00	.64
2.450	2.500	.87	87.60	37.53	.45	.00	.87
2.500	2.550	1.18	88.76	38.14	.36	.00	1.17
2.550	2.600	1.57	90.20	38.96	.28	.00	1.56

HEAD ASH OF WASHABILITY DATA = 39.04
 AVERAGE S.G. FEED = 1.564
 AVERAGE S.G. FLOATS = 1.401
 AVERAGE S.G. SINKS = 1.746

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280	PREDICTED YIELD	52.68%	YIELD ERROR	16.93%
F2 = 1.000	ASH	23.11%	ASH ERROR	6.42%
	PREDICTED REJECTS	47.32%	ORGANIC EFFICIENCY	75.68%
PD = 1.500	ASH	56.61%		
EP = .1400				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 827

DATA SET NAME: HAT CRK X&Y 4x1/4

DATE: 21 DEC 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.286	1.300	10.10	8.08	8.08	95.83	9.68	.42
1.300	1.350	17.96	12.52	10.92	93.05	16.71	1.25
1.350	1.400	11.58	19.63	13.47	87.16	10.09	1.49
1.400	1.450	11.01	25.55	16.09	79.73	8.78	2.23
1.450	1.500	8.48	33.21	18.55	71.35	6.05	2.43
1.500	1.550	4.94	43.35	20.46	62.63	3.10	1.85
1.550	1.600	4.46	52.69	22.56	54.09	2.41	2.05
1.600	1.650	3.58	58.91	24.37	46.08	1.65	1.93
1.650	1.700	3.20	64.40	26.07	38.81	1.24	1.96
1.700	1.750	3.51	69.19	27.99	32.40	1.14	2.37
1.750	1.800	3.41	72.67	29.84	26.84	.92	2.50
1.800	1.850	2.73	75.20	31.30	22.11	.60	2.13
1.850	1.900	2.29	76.89	32.50	18.13	.41	1.87
1.900	1.950	1.88	77.97	33.46	14.81	.28	1.60
1.950	2.000	1.52	78.69	34.22	12.07	.18	1.34
2.000	2.050	1.20	79.29	34.80	9.81	.12	1.08
2.050	2.100	.93	80.01	35.26	7.97	.07	.85
2.100	2.150	.71	81.07	35.60	6.46	.05	.66
2.150	2.200	.54	82.35	35.87	5.24	.03	.51
2.200	2.250	.43	83.40	36.09	4.25	.02	.42
2.250	2.300	.39	84.27	36.29	3.44	.01	.37
2.300	2.350	.40	85.06	36.49	2.79	.01	.39
2.350	2.400	.49	85.83	36.75	2.27	.01	.48
2.400	2.450	.64	86.65	37.08	1.84	.01	.63
2.450	2.500	.87	87.60	37.53	1.50	.01	.86
2.500	2.550	1.18	88.76	38.14	1.22	.01	1.16
2.550	2.600	1.57	90.20	38.96	.99	.02	1.55

HEAD ASH OF WASHABILITY DATA = 39.04

AVERAGE S.G. FEED = 1.564

AVERAGE S.G. FLOATS = 1.421

AVERAGE S.G. SINKS = 1.814

PROCESS - DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280 PREDICTED YIELD 63.61%

YIELD ERROR 11.11%

F2 = 1.000 ASH 25.76%

ASH ERROR 5.47%

PREDICTED REJECTS 36.39%

ORGANIC EFFICIENCY 85.13%

PD = 1.600 ASH 62.04%

EP = .1680

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 827
 DATA SET NAME: HAT CRK X&Y 4x1/4
 DATE: 21 DEC 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.286	1.300	10.10	8.08	8.08	98.23	9.92	.18
1.300	1.350	17.96	12.52	10.92	96.80	17.38	.58
1.350	1.400	11.58	19.63	13.47	93.40	10.81	.76
1.400	1.450	11.01	25.55	16.09	88.57	9.75	1.26
1.450	1.500	8.48	33.21	18.55	82.53	7.00	1.48
1.500	1.550	4.94	43.35	20.46	75.62	3.74	1.20
1.550	1.600	4.46	52.69	22.56	68.25	3.04	1.42
1.600	1.650	3.58	58.91	24.37	60.77	2.18	1.41
1.650	1.700	3.20	64.40	26.07	53.50	1.71	1.49
1.700	1.750	3.51	69.19	27.99	46.63	1.64	1.87
1.750	1.800	3.41	72.67	29.84	40.30	1.38	2.04
1.800	1.850	2.73	75.20	31.30	34.59	.94	1.79
1.850	1.900	2.29	76.89	32.50	29.51	.68	1.61
1.900	1.950	1.88	77.97	33.46	25.06	.47	1.41
1.950	2.000	1.52	78.69	34.22	21.20	.32	1.20
2.000	2.050	1.20	79.29	34.80	17.87	.21	.99
2.050	2.100	.93	80.01	35.26	15.03	.14	.79
2.100	2.150	.71	81.07	35.60	12.61	.09	.62
2.150	2.200	.54	82.35	35.87	10.57	.06	.48
2.200	2.250	.43	83.40	36.09	8.84	.04	.40
2.250	2.300	.39	84.27	36.29	7.39	.03	.36
2.300	2.350	.40	85.06	36.49	6.18	.02	.38
2.350	2.400	.49	85.83	36.75	5.16	.03	.46
2.400	2.450	.64	86.65	37.08	4.31	.03	.62
2.450	2.500	.87	87.60	37.53	3.60	.03	.84
2.500	2.550	1.18	88.76	38.14	3.01	.04	1.14
2.550	2.600	1.57	90.20	38.96	2.52	.04	1.53

HEAD ASH OF WASHABILITY DATA = 39.04

AVERAGE S.G. FEED = 1.564

AVERAGE S.G. FLOATS = 1.440

AVERAGE S.G. SINKS = 1.879

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280 PREDICTED YIELD 71.71%

F2 = 1.000 ASH 28.07%

PREDICTED REJECTS 28.29%

PD = 1.700 ASH 66.57%

EP = .1960

YIELD ERROR 7.25%

ASH ERROR 3.90%

ORGANIC EFFICIENCY 90.82%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 827
 DATA SET NAME: HAT CRK X&Y 4x1/4
 DATE: 21 DEC 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.286	1.300	10.10	8.08	8.08	99.24	10.02	.08
1.300	1.350	17.96	12.52	10.92	98.52	17.69	.27
1.350	1.400	11.59	19.63	13.47	96.63	11.19	.39
1.400	1.450	11.01	25.55	16.09	93.65	10.31	.70
1.450	1.500	8.48	33.21	18.55	89.58	7.60	.88
1.500	1.550	4.94	43.35	20.46	84.53	4.18	.76
1.550	1.600	4.46	52.69	22.56	78.72	3.51	.95
1.600	1.650	3.58	58.91	24.37	72.43	2.60	.99
1.650	1.700	3.20	64.40	26.07	65.91	2.11	1.09
1.700	1.750	3.51	78.82	27.99	59.39	2.08	1.42
1.750	1.800	3.41	82.23	29.84	53.05	1.81	1.60
1.800	1.850	2.73	84.96	31.30	47.04	1.28	1.45
1.850	1.900	2.29	87.25	32.50	41.44	.95	1.34
1.900	1.950	1.88	89.13	33.46	36.31	.68	1.20
1.950	2.000	1.52	90.65	34.22	31.66	.48	1.04
2.000	2.050	1.20	91.85	34.80	27.49	.33	.87
2.050	2.100	.93	92.78	35.26	23.79	.22	.71
2.100	2.150	.71	93.49	35.60	20.54	.15	.56
2.150	2.200	.54	94.03	35.87	17.68	.10	.45
2.200	2.250	.43	94.46	36.09	15.19	.07	.37
2.250	2.300	.39	94.85	36.29	13.04	.05	.34
2.300	2.350	.40	95.25	36.49	11.17	.05	.36
2.350	2.400	.49	95.74	36.75	9.56	.05	.44
2.400	2.450	.64	96.38	37.08	8.18	.05	.59
2.450	2.500	.87	97.26	37.53	6.99	.06	.81
2.500	2.550	1.18	98.43	38.14	5.97	.07	1.11
2.550	2.600	1.57	100.00	38.96	5.10	.08	1.49

HEAD ASH OF WASHABILITY DATA = 39.04

AVERAGE S.G. FEED = 1.564

AVERAGE S.G. FLOATS = 1.457

AVERAGE S.G. SINKS = 1.938

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280 PREDICTED YIELD 77.75%

YIELD ERROR 4.79%

F2 = 1.000

ASH 30.01%

ASH ERROR 2.61%

PREDICTED REJECTS 22.25%

ORGANIC EFFICIENCY 94.19%

PD = 1.800

ASH 70.23%

EP = .2240

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 813
DATA SET NAME: HAT CREEK Z +4

GIVEN WASHABILITY DATA

S.S. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	67.40	67.40	17.30	17.30
1.400 - 1.450	18.50	85.90	28.40	19.69
1.450 - 1.500	9.70	95.60	31.80	20.92
1.500 - 1.600	4.40	100.00	46.50	22.04
1.600 - 1.800	0.00	100.00	60.00	22.04
1.800 - 2.000	0.00	100.00	80.00	22.04

HEAD ASH OF WASHABILITY DATA = 22.04
(HEAD ASH OF BULK SAMPLE = 22.04)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 815
DATA SET NAME: HAT CREEK Z 4x1

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	64.50	64.50	16.80	16.80
1.400 - 1.450	12.30	76.80	33.60	19.49
1.450 - 1.500	11.10	87.90	48.80	23.19
1.500 - 1.600	8.00	95.90	51.30	25.54
1.600 - 1.800	3.20	99.10	60.10	26.65
1.800 - 2.000	.90	100.00	71.60	27.06

HEAD ASH OF WASHABILITY DATA = 27.06
(HEAD ASH OF BULK SAMPLE = 27.06)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 817
DATA SET NAME: HAT CREEK Z 1x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	60.80	60.80	18.10	18.10
1.400 - 1.450	13.30	74.10	28.10	19.89
1.450 - 1.500	11.70	85.80	42.80	23.02
1.500 - 1.600	8.70	94.50	43.90	24.94
1.600 - 1.800	3.30	97.80	63.70	26.25
1.800 - 2.000	2.20	100.00	75.80	27.34

HEAD ASH OF WASHABILITY DATA = 27.34
(HEAD ASH OF BULK SAMPLE = 27.34)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 819
DATA SET NAME: HAT CRK Z 1/2x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	61.90	61.90	17.60	17.60
1.400 - 1.450	4.00	65.90	27.00	18.17
1.450 - 1.500	18.00	83.90	44.40	23.80
1.500 - 1.600	9.70	93.60	49.80	26.49
1.600 - 1.800	6.00	99.60	61.40	28.60
1.800 - 1.900	.40	100.00	72.60	28.77

HEAD ASH OF WASHABILITY DATA = 28.77
(HEAD ASH OF BULK SAMPLE = 28.77)

** SIMON - CARVES DE CANADA **

DATA SET NUMBER: 825
DATA SET NAME: HT CR Z CMP 4x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	62.82	62.82	17.44	17.44
1.400 - 1.450	13.08	75.90	30.53	19.70
1.450 - 1.500	11.33	87.23	44.00	22.85
1.500 - 1.600	8.18	95.41	48.85	25.08
1.600 - 1.800	3.10	98.51	61.97	26.24
1.800 - 2.000	1.49	100.00	74.62	26.96

HEAD ASH OF WASHABILITY DATA = 26.96
(HEAD ASH OF BULK SAMPLE = 26.96)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 829
DATA SET NAME: HAT CREEK Z 4x1/4

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	62.61	62.61	17.47	17.47
1.400 - 1.450	11.13	73.74	30.26	19.40
1.450 - 1.500	12.77	86.51	44.12	23.05
1.500 - 1.600	8.51	95.02	49.08	25.38
1.600 - 1.800	3.72	98.74	61.77	26.75
1.800 - 2.000	1.26	100.00	74.48	27.35

HEAD ASH OF WASHABILITY DATA = 27.35
(HEAD ASH OF BULK SAMPLE = 27.35)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	10.95	11.82	11.82	99.68	10.92	.03
1.300	1.350	32.13	15.91	14.87	98.44	31.63	.50
1.350	1.375	10.28	21.34	16.12	93.39	9.60	.68
1.375	1.400	9.45	24.38	17.36	68.93	6.51	2.94
1.400	1.425	8.17	28.15	18.60	30.35	2.48	5.69
1.425	1.450	4.91	34.20	19.61	13.37	.66	4.26
1.450	1.475	4.60	41.55	20.87	8.25	.38	4.22
1.475	1.500	6.73	45.88	22.79	5.74	.39	6.34
1.500	1.550	6.66	47.74	24.56	3.13	.21	6.45
1.550	1.600	1.52	52.69	25.01	1.29	.02	1.50
1.600	1.700	2.52	59.88	25.91	.00	.00	2.52
1.700	1.800	.58	69.60	26.17	.00	.00	.58
1.800	1.900	.85	72.68	26.57	.00	.00	.85
1.900	2.000	.64	77.14	26.89	.00	.00	.64

HEAD ASH OF WASHABILITY DATA = 26.96
 AVERAGE S.G. FEED = 1.398
 AVERAGE S.G. FLOATS = 1.339
 AVERAGE S.G. SINKS = 1.496

PROCESS: HEAVY MEDIUM BATH

F1 = .888	PREDICTED YIELD	62.80%	YIELD ERROR	4.49%
F2 = 1.200	ASH	18.04%	ASH ERROR	.68%
PD = 1.400	PREDICTED REJECTS	37.20%	ORGANIC EFFICIENCY	93.33%
EP = .0168	ASH	41.83%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	10.95	11.82	11.82	100.00	10.95	.00
1.300	1.350	32.13	15.91	14.87	99.79	32.07	.07
1.350	1.400	19.73	22.73	17.34	97.79	19.30	.44
1.400	1.425	8.17	28.15	18.58	91.28	7.45	.71
1.425	1.450	4.91	34.20	19.59	66.54	3.27	1.64
1.450	1.475	4.60	41.55	20.85	32.71	1.51	3.10
1.475	1.500	6.73	45.88	22.78	15.08	1.01	5.71
1.500	1.525	4.12	47.40	23.89	9.62	.40	3.72
1.525	1.550	2.54	48.65	24.56	6.67	.17	2.37
1.550	1.575	.85	51.03	24.80	4.89	.04	.81
1.575	1.600	.67	55.12	25.01	3.41	.02	.65
1.600	1.650	1.92	58.81	25.68	1.98	.04	1.89
1.650	1.700	.60	63.81	25.91	.76	.00	.59
1.700	1.800	.58	69.60	26.17	.00	.00	.58
1.800	1.900	.85	72.68	26.57	.00	.00	.85
1.900	2.000	.64	77.14	26.89	.00	.00	.64

HEAD ASH OF WASHABILITY DATA = 26.96
 AVERAGE S.G. FEED = 1.397
 AVERAGE S.G. FLOATS = 1.353
 AVERAGE S.G. SINKS = 1.538

PROCESS: HEAVY MEDIUM BATH

F1 = .888	PREDICTED YIELD	76.24%	YIELD ERROR	1.98%
F2 = 1.200	ASH	20.23%	ASH ERROR	.54%
PD = 1.450	PREDICTED REJECTS	23.76%	ORGANIC EFFICIENCY	97.46%
EP = .0193	ASH	48.26%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	10.95	11.82	11.82	100.00	10.95	.00
1.300	1.350	32.13	15.91	14.87	100.00	32.13	.00
1.350	1.400	19.73	22.73	17.34	99.37	19.61	.12
1.400	1.425	8.17	28.15	18.58	97.93	8.00	.17
1.425	1.450	4.91	34.20	19.59	96.34	4.73	.18
1.450	1.475	4.60	41.55	20.85	88.67	4.08	.52
1.475	1.500	6.73	45.88	22.78	64.67	4.35	2.38
1.500	1.525	4.12	47.40	23.89	34.62	1.42	2.69
1.525	1.550	2.54	48.65	24.56	16.57	.42	2.12
1.550	1.575	.85	51.03	24.80	10.88	.09	.76
1.575	1.600	.67	55.12	25.01	7.59	.05	.62
1.600	1.625	1.20	57.71	25.42	5.80	.07	1.13
1.625	1.650	.72	60.71	25.68	4.26	.03	.69
1.650	1.700	.60	63.81	25.91	2.68	.02	.58
1.700	1.750	.20	67.69	26.00	1.33	.00	.20
1.750	1.800	.38	70.32	26.17	.36	.00	.38
1.800	1.900	.85	72.68	26.57	.00	.00	.85
1.900	2.000	.64	77.14	26.89	.00	.00	.64

HEAD ASH OF WASHABILITY DATA = 26.96
 AVERAGE S.G. FEED = 1.397
 AVERAGE S.G. FLOATS = 1.367
 AVERAGE S.G. SINKS = 1.584

PROCESS: HEAVY MEDIUM BATH

F1 = .888	PREDICTED YIELD	85.97%	YIELD ERROR	.74%
F2 = 1.280	ASH	22.63%	ASH ERROR	.21%
	PREDICTED REJECTS	14.03%	ORGANIC EFFICIENCY	99.15%
PD = 1.500	ASH	52.99%		
EP = .0219				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	10.95	10.95	11.82	100.00	10.95	.00
1.300	1.350	32.13	43.09	15.91	100.00	32.13	.00
1.350	1.400	19.73	62.82	22.73	100.00	19.73	.00
1.400	1.450	13.08	75.90	29.85	98.95	12.94	.14
1.450	1.475	4.60	80.50	41.55	97.55	4.49	.11
1.475	1.500	6.73	87.23	45.88	95.14	6.40	.33
1.500	1.525	4.12	91.35	47.40	86.02	3.54	.58
1.525	1.550	2.54	93.89	48.65	63.17	1.60	.94
1.550	1.575	.85	94.74	51.03	36.18	.31	.54
1.575	1.600	.67	95.41	55.12	17.93	.12	.55
1.600	1.625	1.20	96.61	57.71	11.90	.14	1.06
1.625	1.650	.72	97.33	60.71	8.55	.06	.66
1.650	1.675	.40	97.73	63.16	6.53	.03	.37
1.675	1.700	.20	97.93	65.20	5.14	.01	.19
1.700	1.750	.20	98.13	67.69	3.33	.01	.19
1.750	1.800	.38	98.51	70.32	1.86	.01	.37
1.800	1.850	.49	99.00	71.95	.91	.00	.49
1.850	1.900	.36	99.36	73.81	.12	.00	.36
1.900	2.000	.64	100.00	77.14	.00	.00	.64

HEAD ASH OF WASHABILITY DATA = 26.96
 AVERAGE S.G. FEED = 1.398
 AVERAGE S.G. FLOATS = 1.377
 AVERAGE S.G. SINKS = 1.651

PROCESS: HEAVY MEDIUM BATH

F1 = .888	PREDICTED YIELD	92.49%	YIELD ERROR	.41%
F2 = 1.200	ASH	24.22%	ASH ERROR	.11%
PD = 1.550	PREDICTED REJECTS	7.51%	ORGANIC EFFICIENCY	99.56%
EP = .0244	ASH	58.80%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290 1.300	10.95	10.95	11.82	11.82	100.00	10.95	.00
1.300 1.350	32.13	43.09	15.91	14.87	100.00	32.13	.00
1.350 1.400	19.73	62.82	22.73	17.34	100.00	19.73	.00
1.400 1.450	13.08	75.90	29.85	19.49	99.82	13.06	.02
1.450 1.500	11.33	87.23	44.82	22.78	98.61	11.17	.16
1.500 1.525	4.12	91.35	47.40	23.89	97.20	4.80	.12
1.525 1.550	2.54	93.89	48.65	24.56	93.92	2.39	.15
1.550 1.575	.85	94.74	51.03	24.80	83.42	.71	.14
1.575 1.600	.67	95.41	55.12	25.01	61.94	.42	.26
1.600 1.625	1.20	96.61	57.71	25.42	37.48	.45	.75
1.625 1.650	.72	97.33	60.71	25.68	19.34	.14	.58
1.650 1.675	.40	97.73	63.16	25.84	12.88	.05	.35
1.675 1.700	.20	97.93	65.20	25.92	9.53	.02	.18
1.700 1.725	.11	98.04	66.94	25.96	7.23	.01	.10
1.725 1.750	.09	98.13	68.45	26.00	5.84	.01	.09
1.750 1.775	.15	98.28	69.66	26.07	4.57	.01	.14
1.775 1.800	.23	98.51	70.67	26.17	3.52	.01	.23
1.800 1.850	.49	99.00	71.95	26.40	2.42	.01	.48
1.850 1.900	.36	99.36	73.81	26.57	1.35	.00	.35
1.900 1.950	.29	99.66	75.98	26.72	.55	.00	.29
1.950 2.000	.34	100.00	78.08	26.89	.01	.00	.34

HEAD ASH OF WASHABILITY DATA = 26.96

AVERAGE S.G. FEED = 1.397
 AVERAGE S.G. FLOATS = 1.382
 AVERAGE S.G. SINKS = 1.713

PROCESS: HEAVY MEDIUM BATH

F1 = .888	PREDICTED YIELD	95.27%	YIELD ERROR	.26%
F2 = 1.200	ASH	25.05%	ASH ERROR	.08%
PD = 1.600	PREDICTED REJECTS	4.73%	ORGANIC EFFICIENCY	99.73%
EP = .0269	ASH	63.93%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	10.95	10.95	11.82	100.00	10.95	.00
1.300	1.350	32.13	43.09	15.91	100.00	32.13	.00
1.350	1.400	19.73	62.82	22.73	100.00	19.73	.00
1.400	1.450	13.08	75.90	29.85	100.00	13.08	.00
1.450	1.500	11.33	87.23	44.82	99.52	11.28	.05
1.500	1.550	6.66	93.89	47.74	98.24	6.54	.12
1.550	1.575	.85	94.74	51.03	96.67	.82	.03
1.575	1.600	.67	95.41	55.12	92.79	.62	.05
1.600	1.625	1.20	96.61	57.71	80.98	.97	.23
1.625	1.650	.72	97.33	60.71	60.92	.44	.28
1.650	1.675	.40	97.73	63.16	38.56	.15	.24
1.675	1.700	.20	97.93	65.20	20.80	.04	.16
1.700	1.725	.11	98.04	66.94	25.95	13.89	.09
1.725	1.750	.09	98.13	68.45	25.99	10.48	.08
1.750	1.775	.15	98.28	69.66	26.06	7.96	.13
1.775	1.800	.23	98.51	70.67	26.16	6.44	.22
1.800	1.825	.27	98.78	71.55	26.28	5.29	.25
1.825	1.850	.23	99.00	72.44	26.39	4.15	.22
1.850	1.900	.36	99.36	73.81	26.56	2.94	.35
1.900	1.950	.29	99.66	75.98	26.71	1.79	.29
1.950	2.000	.34	100.00	78.08	26.88	1.00	.34

HEAD ASH OF WASHABILITY DATA = 26.96

AVERAGE S.G. FEED = 1.397

AVERAGE S.G. FLOATS = 1.385

AVERAGE S.G. SINKS = 1.770

PROCESS: HEAVY MEDIUM BATH

F1 = .888	PREDICTED YIELD	96.86%	YIELD ERROR	.15%
F2 = 1.200	ASH	25.56%	ASH ERROR	.05%
	PREDICTED REJECTS	3.14%	ORGANIC EFFICIENCY	99.85%
PD = 1.650	ASH	67.87%		
EP = .0294				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 819

DATA SET NAME: HAT CRK Z 1/2x1/4

DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	8.77	8.77	14.19	14.19	97.98	.18
1.300	1.325	16.80	25.57	15.65	15.15	97.34	.45
1.325	1.350	13.99	39.56	17.95	16.14	94.32	.79
1.350	1.375	12.93	52.49	19.46	16.96	84.34	2.03
1.375	1.400	9.41	61.90	20.95	17.57	62.35	3.54
1.400	1.425	2.71	64.61	23.44	17.81	37.85	1.01
1.425	1.450	1.29	65.90	34.79	18.14	18.83	.24
1.450	1.475	6.45	72.35	41.36	20.21	12.53	.81
1.475	1.500	11.55	83.90	46.42	23.82	9.18	1.06
1.500	1.525	5.41	89.31	48.43	25.31	6.98	.38
1.525	1.550	2.65	91.96	49.99	26.02	5.61	.15
1.550	1.600	1.64	93.60	53.76	26.51	3.77	.06
1.600	1.650	2.88	96.48	57.82	27.45	2.23	.06
1.650	1.700	1.60	98.09	61.90	28.01	1.20	.02
1.700	1.750	.88	98.97	65.76	28.35	.39	.00
1.750	1.800	.63	99.60	69.41	28.61	.00	.00
1.800	1.900	.40	100.00	72.42	28.78	.00	.00

HEAD ASH OF WASHABILITY DATA = 28.77
 AVERAGE S.G. FEED = 1.407
 AVERAGE S.G. FLOATS = 1.342
 AVERAGE S.G. SINKS = 1.498

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	58.71%	YIELD ERROR	8.98%
F2 = 1.200	ASH	18.72%	ASH ERROR	1.36%
PD = 1.400	PREDICTED REJECTS	41.29%	ORGANIC EFFICIENCY	86.73%
EP = .0260	ASH	43.09%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 819
 DATA SET NAME: HAT CRK Z 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	8.77	8.77	14.19	99.00	8.68	.09
1.300	1.350	30.79	39.56	16.70	98.16	30.22	.57
1.350	1.375	12.93	52.49	19.46	96.55	12.49	.45
1.375	1.400	9.41	61.90	20.95	92.56	8.71	.70
1.400	1.425	2.71	64.61	23.44	80.56	2.19	.53
1.425	1.450	1.29	65.90	34.79	60.74	.78	.51
1.450	1.475	6.45	72.35	41.36	38.74	2.50	3.95
1.475	1.500	11.55	83.90	46.42	21.07	2.43	9.11
1.500	1.525	5.41	89.31	48.43	25.31	.76	4.65
1.525	1.550	2.65	91.96	49.99	26.02	10.64	2.37
1.550	1.575	.77	92.73	52.18	26.24	8.10	.70
1.575	1.600	.87	93.60	55.14	26.51	6.54	.81
1.600	1.625	1.64	95.24	56.91	27.03	5.41	1.55
1.625	1.650	1.24	96.48	59.05	27.45	4.27	1.19
1.650	1.700	1.60	98.09	61.90	28.01	3.03	1.56
1.700	1.750	.88	98.97	65.76	28.35	1.88	.87
1.750	1.800	.63	99.60	69.41	28.60	1.07	.62
1.800	1.850	.33	99.93	72.01	28.75	.36	.33
1.850	1.900	.07	100.00	74.83	28.78	.00	.07

HEAD ASH OF WASHABILITY DATA = 28.77
 AVERAGE S.G. FEED = 1.407
 AVERAGE S.G. FLOATS = 1.355
 AVERAGE S.G. SINKS = 1.525

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	69.38%	YIELD ERROR	3.70%
F2 = 1.200	ASH	20.44%	ASH ERROR	1.18%
	PREDICTED REJECTS	30.62%	ORGANIC EFFICIENCY	94.93%
PD = 1.450	ASH	47.67%		
EP = .0298				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 819
 DATA SET NAME: HAT CRK Z 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	8.77	14.19	14.19	99.60	8.74	.04
1.300	1.350	30.79	16.70	16.14	98.99	30.48	.31
1.350	1.400	22.34	19.98	17.53	97.65	21.82	.53
1.400	1.425	2.71	23.44	17.77	95.29	2.59	.13
1.425	1.450	1.29	34.79	18.11	90.41	1.16	.12
1.450	1.475	6.45	41.36	20.18	77.49	5.00	1.45
1.475	1.500	11.55	46.42	23.79	59.50	6.87	4.68
1.500	1.525	5.41	48.43	25.29	40.06	2.17	3.24
1.525	1.550	2.65	49.99	26.00	23.15	.61	2.04
1.550	1.575	.77	52.18	26.21	15.64	.12	.65
1.575	1.600	.87	55.14	26.48	11.79	.10	.77
1.600	1.625	1.64	56.91	27.01	9.28	.15	1.49
1.625	1.650	1.24	59.05	27.42	7.44	.09	1.15
1.650	1.675	.92	61.10	27.74	6.24	.06	.87
1.675	1.700	.68	63.06	27.98	5.25	.04	.64
1.700	1.750	.88	65.76	28.32	3.83	.03	.85
1.750	1.800	.63	69.41	28.58	2.57	.02	.61
1.800	1.850	.33	72.01	28.72	1.64	.01	.32
1.850	1.900	.07	74.83	28.76	.98	.00	.07

HEAD ASH OF WASHABILITY DATA = 28.77
 AVERAGE S.G. FEED = 1.407
 AVERAGE S.G. FLOATS = 1.371
 AVERAGE S.G. SINKS = 1.552

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	80.05%	YIELD ERROR	2.35%
F2 = 1.200	ASH	23.32%	ASH ERROR	.73%
PD = 1.500	PREDICTED REJECTS	19.95%	ORGANIC EFFICIENCY	97.15%
EP = .0337	ASH	50.56%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 819

DATA SET NAME: HAT CRK Z 1/2x1/4

DATE: 13 DEC 77

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	8.77	8.77	14.19	14.19	99.92	.01
1.300	1.350	30.79	39.56	16.70	16.14	99.54	.14
1.350	1.400	22.34	61.90	19.98	17.53	98.61	.31
1.400	1.450	4.00	65.90	25.46	18.01	97.29	.11
1.450	1.475	6.45	72.35	41.36	20.09	93.94	.39
1.475	1.500	11.55	83.90	46.42	23.71	87.93	1.39
1.500	1.525	5.41	89.31	48.43	25.21	74.96	4.06
1.525	1.550	2.65	91.96	49.99	25.93	58.51	1.55
1.550	1.575	.77	92.73	52.18	26.14	41.11	.31
1.575	1.600	.87	93.60	55.14	26.41	25.03	.22
1.600	1.625	1.64	95.24	56.91	26.94	16.94	.28
1.625	1.650	1.24	96.48	59.05	27.35	12.87	.16
1.650	1.675	.92	97.41	61.10	27.67	10.43	.10
1.675	1.700	.68	98.09	63.06	27.92	8.37	.06
1.700	1.725	.50	98.59	64.97	28.11	6.99	.03
1.725	1.750	.38	98.97	66.82	28.26	6.01	.02
1.750	1.775	.32	99.29	68.59	28.39	5.12	.02
1.775	1.800	.31	99.60	70.25	28.52	4.23	.01
1.800	1.850	.33	99.93	72.01	28.66	3.22	.01
1.850	1.900	.07	100.00	74.83	28.69	2.24	.00

HEAD ASH OF WASHABILITY DATA = 28.77
 AVERAGE S.G. FEED = 1.408
 AVERAGE S.G. FLOATS = 1.383
 AVERAGE S.G. SINKS = 1.592

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	88.38%	YIELD ERROR	1.48%
F2 = 1.200	ASH	25.36%	ASH ERROR	.41%
PD = 1.550	PREDICTED REJECTS	11.62%	ORGANIC EFFICIENCY	98.35%
EP = .0376	ASH	54.03%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 819
 DATA SET NAME: HAT CRK Z 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	8.77	14.19	14.19	100.00	8.77	.00
1.300	1.350	30.79	16.70	16.14	99.87	30.74	.04
1.350	1.400	22.34	19.98	17.53	99.17	22.16	.19
1.400	1.450	4.00	25.46	18.01	98.20	3.93	.07
1.450	1.475	6.45	41.36	20.09	97.28	6.28	.18
1.475	1.500	11.55	46.42	23.71	95.82	11.07	.48
1.500	1.525	5.41	48.43	25.21	92.68	5.02	.40
1.525	1.550	2.65	49.99	25.93	85.50	2.27	.38
1.550	1.575	.77	52.18	26.14	72.84	.56	.21
1.575	1.600	.87	55.14	26.41	57.71	.50	.37
1.600	1.625	1.64	56.91	26.94	41.97	.69	.95
1.625	1.650	1.24	59.05	27.35	26.77	.33	.91
1.650	1.675	.92	61.10	27.67	18.20	.17	.76
1.675	1.700	.68	63.06	27.92	13.98	.09	.58
1.700	1.725	.50	64.97	28.11	11.37	.06	.44
1.725	1.750	.38	66.82	28.26	9.34	.04	.35
1.750	1.775	.32	68.59	28.39	7.76	.02	.30
1.775	1.800	.31	70.25	28.52	6.67	.02	.29
1.800	1.825	.23	71.65	28.61	5.83	.01	.21
1.825	1.850	.10	72.99	28.66	5.01	.00	.09
1.850	1.900	.07	74.83	28.69	3.87	.00	.07

HEAD ASH OF WASHABILITY DATA = 28.77
 AVERAGE S.G. FEED = 1.408
 AVERAGE S.G. FLOATS = 1.390
 AVERAGE S.G. SINKS = 1.630

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370	PREDICTED YIELD	92.73%	YIELD ERROR	.98%
F2 = 1.200	ASH	26.45%	ASH ERROR	.31%
PD = 1.600	PREDICTED REJECTS	7.27%	ORGANIC EFFICIENCY	98.95%
EP = .0414	ASH	57.29%		

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290 1.300	10.95	10.95	11.82	11.82	98.46	10.78	.17
1.300 1.350	32.13	43.09	15.91	14.87	96.12	30.89	1.25
1.350 1.400	19.73	62.82	22.73	17.34	88.06	17.38	2.36
1.400 1.450	13.08	75.90	29.85	19.49	74.71	9.77	3.31
1.450 1.500	11.33	87.23	44.82	22.78	58.32	6.61	4.72
1.500 1.550	6.66	93.89	47.74	24.55	42.08	2.80	3.86
1.550 1.600	1.52	95.41	52.69	25.00	28.36	.43	1.09
1.600 1.650	1.92	97.33	58.81	25.67	18.84	.35	1.58
1.650 1.700	.60	97.93	63.81	25.90	10.96	.07	.53
1.700 1.750	.20	98.13	67.69	25.99	6.41	.01	.19
1.750 1.800	.38	98.51	70.32	26.16	3.63	.01	.37
1.800 1.850	.49	99.00	71.95	26.39	2.01	.01	.48
1.850 1.900	.36	99.36	73.81	26.56	1.09	.00	.35
1.900 1.950	.29	99.66	75.98	26.70	.59	.00	.29
1.950 2.000	.34	100.00	78.08	26.88	.31	.00	.34

HEAD ASH OF WASHABILITY DATA = 26.96
 AVERAGE S.G. FEED = 1.398
 AVERAGE S.G. FLOATS = 1.367
 AVERAGE S.G. SINKS = 1.513

PROCESS: BAUM JIG

SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.132 PREDICTED YIELD 79.12% YIELD ERROR 7.38%
 F2 = 1.250 ASH 22.57% ASH ERROR 2.14%
 PREDICTED REJECTS 20.86% ORGANIC EFFICIENCY 91.46%
 PD = 1.500 ASH 43.21%
 EP = .0825

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 825
 DATA SET NAME: HT CR Z CMP 4x1/2
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290	1.300	10.95	11.82	11.82	100.00	10.95	.00
1.300	1.350	32.13	15.91	14.87	99.99	32.13	.00
1.350	1.400	19.73	22.73	17.34	99.90	19.72	.02
1.400	1.450	13.08	29.85	19.49	99.52	13.02	.06
1.450	1.500	11.33	44.82	22.78	98.36	11.14	.19
1.500	1.550	6.66	47.74	24.55	95.77	6.37	.28
1.550	1.600	1.52	52.69	25.00	91.19	1.39	.13
1.600	1.650	1.92	58.81	25.67	84.40	1.62	.30
1.650	1.700	.60	63.81	25.90	75.67	.45	.15
1.700	1.750	.20	67.69	25.99	65.66	.13	.07
1.750	1.800	.38	70.32	26.16	55.17	.21	.17
1.800	1.850	.49	71.95	26.39	44.99	.22	.27
1.850	1.900	.36	73.81	26.56	35.68	.13	.23
1.900	1.950	.29	75.98	26.70	27.61	.08	.21
1.950	2.000	.34	78.08	26.88	20.90	.07	.27

HEAD ASH OF WASHABILITY DATA = 26.96
 AVERAGE S.G. FEED = 1.398
 AVERAGE S.G. FLOATS = 1.390
 AVERAGE S.G. SINKS = 1.722

PROCESS: BAUM JIG
 SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.132	PREDICTED YIELD	97.64%	YIELD ERROR	.53%
F2 = 1.250	ASH	26.01%	ASH ERROR	.22%
	PREDICTED REJECTS	2.36%	ORGANIC EFFICIENCY	99.46%
PD = 1.800	ASH	63.06%		
EP = .1320				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 819
 DATA SET NAME: HAT CRK Z 1/2x1/4
 DATE: 13 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.290 1.300	8.77	8.77	14.19	14.19	99.90	8.76	.01
1.300 1.350	30.79	39.56	16.70	16.14	99.75	30.71	.08
1.350 1.400	22.34	61.90	19.98	17.53	99.16	22.15	.19
1.400 1.450	4.00	65.90	25.46	18.01	97.86	3.91	.09
1.450 1.500	18.00	83.90	45.42	23.89	95.55	17.20	.80
1.500 1.550	8.06	91.96	48.79	26.07	92.04	7.42	.64
1.550 1.600	1.64	93.60	53.76	26.56	87.33	1.43	.21
1.600 1.650	2.88	96.48	57.82	27.49	81.55	2.35	.53
1.650 1.700	1.60	98.09	61.90	28.05	74.97	1.20	.40
1.700 1.750	.88	98.97	65.76	28.39	67.89	.60	.28
1.750 1.800	.63	99.60	69.41	28.65	60.64	.38	.25
1.800 1.850	.33	99.93	72.01	28.79	53.48	.18	.15
1.850 1.900	.07	100.00	74.83	28.82	46.63	.03	.04

HEAD ASH OF WASHABILITY DATA = 28.77
 AVERAGE S.G. FEED = 1.407
 AVERAGE S.G. FLOATS = 1.401
 AVERAGE S.G. SINKS = 1.582

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 96.34% YIELD ERROR 1.41%
 F2 = 1.250 ASH 27.93% ASH ERROR .49%

PREDICTED REJECTS 3.66% ORGANIC EFFICIENCY 98.56%
 ASH 52.26%

PD = 1.850
 EP = .1966

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 829
 DATA SET NAME: HAT CREEK Z 4x1/4
 DATE: 21 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.281	1.300	10.82	11.91	11.91	90.52	9.80	1.03
1.300	1.350	29.29	16.02	14.91	85.07	24.91	4.37
1.350	1.400	22.50	21.84	17.40	75.62	17.01	5.49
1.400	1.450	11.13	29.57	19.24	65.25	7.26	3.87
1.450	1.500	12.77	44.94	23.03	54.92	7.01	5.76
1.500	1.550	6.92	48.00	24.88	45.31	3.14	3.79
1.550	1.600	1.59	52.86	25.35	36.80	.58	1.00
1.600	1.650	2.12	58.27	26.07	29.51	.62	1.49
1.650	1.700	.80	63.08	26.37	23.45	.19	.61
1.700	1.750	.35	67.06	26.51	18.50	.06	.28
1.750	1.800	.46	70.23	26.71	14.51	.07	.39
1.800	1.850	.48	72.31	26.93	11.34	.05	.42
1.850	1.900	.31	74.41	27.08	8.84	.03	.29
1.900	1.950	.26	76.08	27.21	6.88	.02	.24
1.950	2.000	.21	77.32	27.32	5.35	.01	.20

HEAD ASH OF WASHABILITY DATA = 27.35
 AVERAGE S.G. FEED = 1.400
 AVERAGE S.G. FLOATS = 1.373
 AVERAGE S.G. SINKS = 1.465

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280	PREDICTED YIELD	70.78%	YIELD ERROR	17.53%
F2 = 1.000	ASH	23.51%	ASH ERROR	4.77%
	PREDICTED REJECTS	29.22%	ORGANIC EFFICIENCY	80.15%
PD = 1.500	ASH	36.53%		
EP = .1400				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 829
 DATA SET NAME: HAT CREEK Z 4x1/4
 DATE: 21 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.281 1.300	10.82	10.82	11.91	11.91	98.32	10.64	.18
1.300 1.350	29.29	40.11	16.02	14.91	96.80	28.35	.94
1.350 1.400	22.50	62.61	21.84	17.40	93.40	21.01	1.49
1.400 1.450	11.13	73.74	29.57	19.24	88.57	9.86	1.27
1.450 1.500	12.77	86.51	44.94	23.03	82.53	10.54	2.23
1.500 1.550	6.92	93.43	48.00	24.88	75.62	5.23	1.69
1.550 1.600	1.59	95.02	52.86	25.35	68.25	1.08	.50
1.600 1.650	2.12	97.14	58.27	26.07	60.77	1.29	.83
1.650 1.700	.80	97.93	63.08	26.37	53.50	.43	.37
1.700 1.750	.35	98.28	67.06	26.51	46.63	.16	.19
1.750 1.800	.46	98.74	70.23	26.71	40.30	.18	.27
1.800 1.850	.48	99.22	72.31	26.93	34.59	.16	.31
1.850 1.900	.31	99.53	74.41	27.08	29.51	.09	.22
1.900 1.950	.26	99.79	76.08	27.21	25.06	.07	.20
1.950 2.000	.21	100.00	77.32	27.32	21.20	.04	.17

HEAD ASH OF WASHABILITY DATA = 27.35

AVERAGE S.G. FEED = 1.400
 AVERAGE S.G. FLOATS = 1.386
 AVERAGE S.G. SINKS = 1.516

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280	PREDICTED YIELD	89.15%	YIELD ERROR	6.09%
F2 = 1.000	ASH	25.42%	ASH ERROR	1.69%
	PREDICTED REJECTS	10.85%	ORGANIC EFFICIENCY	93.60%
PD = 1.700	ASH	42.86%		
EP = .1960				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 829
 DATA SET NAME: HAT CREEK Z 4x1/4
 DATE: 21 DEC 77

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.281	1.300	10.82	11.91	11.91	99.28	10.75	.08
1.300	1.350	29.29	16.02	14.91	98.52	28.85	.43
1.350	1.400	22.50	21.84	17.40	96.63	21.74	.76
1.400	1.450	11.13	29.57	19.24	93.65	10.42	.71
1.450	1.500	12.77	44.94	23.03	89.58	11.44	1.33
1.500	1.550	6.92	48.00	24.88	84.53	5.85	1.07
1.550	1.600	1.59	52.86	25.35	78.72	1.25	.34
1.600	1.650	2.12	58.27	26.07	72.43	1.53	.58
1.650	1.700	.80	63.08	26.37	65.91	.52	.27
1.700	1.750	.35	67.06	26.51	59.39	.21	.14
1.750	1.800	.46	70.23	26.71	53.05	.24	.22
1.800	1.850	.48	72.31	26.93	47.04	.22	.25
1.850	1.900	.31	74.41	27.08	41.44	.13	.18
1.900	1.950	.26	76.08	27.21	36.31	.09	.17
1.950	2.000	.21	77.32	27.32	31.66	.07	.14

HEAD ASH OF WASHABILITY DATA = 27.35

AVERAGE S.G. FEED = 1.400
 AVERAGE S.G. FLOATS = 1.390
 AVERAGE S.G. SINKS = 1.542

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280	PREDICTED YIELD	93.33%	YIELD ERROR	3.60%
F2 = 1.000	ASH	25.99%	ASH ERROR	1.14%
PD = 1.800	PREDICTED REJECTS	6.67%	ORGANIC EFFICIENCY	96.29%
EP = .2240	ASH	45.81%		