

F1304 C-MJV for B.C. Hydro

October 1978

Hat Creek Coal Beneficiation
INTERIM REPORTS

VOLUME III

APPENDIX III
COAL CLEANING PREDICTIONS

(B)

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SIMON-CARVES



HAT CREEK
COAL BENEFICIATION
INTERIM REPORTS 1977-8

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PRELIMINARY DESIGN AND COSTING OF ALTERNATIVE EQUIPMENT FOR
TAILINGS DISPOSAL

** 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)

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

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)

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

DATA SET NUMBER: 831

DATA SET NAME: HAT CRK X 1/4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	15.50	15.50	9.10	9.10
1.400 - 1.450	9.90	25.40	16.80	25.90
1.450 - 1.500	2.00	27.40	31.30	57.20
1.500 - 1.600	10.20	37.60	36.00	93.20
1.600 - 1.800	19.50	57.10	42.40	135.60
1.800 - 2.600	42.90	100.00	75.70	211.30

HEAD ASH OF WASHABILITY DATA = 48.12
(HEAD ASH OF BULK SAMPLE = 48.10)

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

DATA SET NUMBER: 833
DATA SET NAME: HAT CRK X 28x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	4.40	4.40	9.20	9.20
1.400 - 1.450	3.20	7.60	15.40	11.81
1.450 - 1.500	4.40	12.00	23.50	16.10
1.500 - 1.600	6.70	18.70	33.40	22.30
1.600 - 1.800	14.50	33.20	40.80	30.38
1.800 - 2.600	66.80	100.00	70.20	56.98

HEAD ASH OF WASHABILITY DATA = 56.98
(HEAD ASH OF BULK SAMPLE = 57.00)

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

DATA SET NUMBER: 847

DATA SET NAME: X 1/2x1/4 WET ATR

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	40.20	40.20	10.60	10.60
1.400 - 1.450	7.20	47.40	26.40	13.00
1.450 - 1.500	12.20	59.60	32.00	16.89
1.500 - 1.600	15.40	75.00	42.20	22.09
1.600 - 1.800	13.60	88.60	60.50	27.98
1.800 - 2.600	11.40	100.00	69.10	32.67

HEAD ASH OF WASHABILITY DATA = 32.67

(HEAD ASH OF BULK SAMPLE = 32.67)

**** SIMON - CARVES OF CANADA ****

DATA SET NUMBER: 859

DATA SET NAME: HT CR X MOD 4x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	43.44	43.44	10.50	10.50
1.400 - 1.450	10.27	53.71	21.74	12.65
1.450 - 1.500	9.04	62.75	26.19	14.60
1.500 - 1.600	8.40	71.15	35.32	17.05
1.600 - 1.800	15.90	87.05	47.04	22.52
1.800 - 2.600	12.95	100.00	54.74	26.70

HEAD ASH OF WASHABILITY DATA = 26.70

(HEAD ASH OF BULK SAMPLE = 26.70)

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

DATA SET NUMBER: 861
DATA SET NAME: HT CR X ATT 4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	30.94	30.94	10.23	10.23
1.400 - 1.450	9.44	40.38	20.34	12.59
1.450 - 1.500	6.76	47.14	29.11	14.96
1.500 - 1.600	10.69	57.83	37.74	19.17
1.600 - 1.800	16.92	74.75	47.14	25.50
1.800 - 2.600	25.25	100.00	71.17	37.03

HEAD ASH OF WASHABILITY DATA = 37.03
(HEAD ASH OF BULK SAMPLE = 37.03)

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

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)

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

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)

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

DATA SET NUMBER: 835

DATA SET NAME: HAT CRK Y 1/4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	33.80	33.80	8.30	8.30
1.400 - 1.450	7.70	41.50	16.00	9.73
1.450 - 1.500	16.80	58.30	20.50	12.83
1.500 - 1.600	11.70	70.00	27.20	15.23
1.600 - 1.800	10.30	80.30	38.60	18.23
1.800 - 2.600	19.70	100.00	66.60	27.76

HEAD ASH OF WASHABILITY DATA = 27.76

(HEAD ASH OF BULK SAMPLE = 27.80)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 837

DATA SET NAME: HAT CRK Y 28x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	3.70	3.70	7.50	7.50
1.400 - 1.450	.90	4.60	10.80	8.15
1.450 - 1.500	7.10	11.70	12.00	10.48
1.500 - 1.600	3.40	15.10	34.00	15.78
1.600 - 1.800	5.50	20.60	48.90	24.62
1.800 - 2.600	79.40	100.00	70.90	61.37

HEAD ASH OF WASHABILITY DATA = 61.37
(HEAD ASH OF BULK SAMPLE = 61.40)

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

DATA SET NUMBER: 849

DATA SET NAME: Y 1/2x1/4 WET ATR

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	54.00	54.00	9.20	9.20
1.400 - 1.450	18.80	72.80	17.30	11.29
1.450 - 1.500	9.90	82.70	21.30	12.49
1.500 - 1.600	9.90	92.60	27.50	14.09
1.600 - 1.800	5.20	97.80	46.10	15.80
1.800 - 2.600	2.20	100.00	60.20	16.77

HEAD ASH OF WASHABILITY DATA = 16.77

(HEAD ASH OF BULK SAMPLE = 16.77)

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

DATA SET NUMBER: 863
DATA SET NAME: HT CR Y MOD 4x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	46.67	46.67	10.00	10.00
1.400 - 1.450	24.04	70.71	17.36	12.50
1.450 - 1.500	14.39	85.10	23.06	14.29
1.500 - 1.600	10.48	95.58	37.85	16.87
1.600 - 1.800	2.88	98.46	54.21	17.96
1.800 - 2.600	1.54	100.00	65.87	18.70

HEAD ASH OF WASHABILITY DATA = 18.70
(HEAD ASH OF BULK SAMPLE = 18.70)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 865
DATA SET NAME: HT CR Y ATT 4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	38.98	38.98	8.82	8.82
1.400 - 1.450	12.04	51.02	16.75	10.69
1.450 - 1.500	15.35	66.37	20.96	13.07
1.500 - 1.600	11.23	77.60	28.82	15.35
1.600 - 1.800	8.32	85.92	40.20	17.75
1.800 - 2.600	14.08	100.00	66.43	24.61

HEAD ASH OF WASHABILITY DATA = 24.61
(HEAD ASH OF BULK SAMPLE = 24.61)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821

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: 843
DATA SET NAME: HT CRK XY 1/4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	24.65	24.65	8.55	8.55
1.400 - 1.450	8.80	33.45	16.45	10.63
1.450 - 1.500	9.40	42.85	21.65	13.05
1.500 - 1.600	10.95	53.80	31.30	16.76
1.600 - 1.800	14.90	68.70	41.09	22.04
1.800 - 2.600	31.30	100.00	72.84	37.94

HEAD ASH OF WASHABILITY DATA = 37.94
(HEAD ASH OF BULK SAMPLE = 37.94)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	4.05	4.05	8.42	8.42
1.400 - 1.450	2.05	6.10	14.39	10.43
1.450 - 1.500	5.75	11.85	16.40	13.32
1.500 - 1.600	5.05	16.90	33.60	19.38
1.600 - 1.800	10.00	26.90	43.03	28.17
1.800 - 2.600	73.10	100.00	70.58	59.17

HEAD ASH OF WASHABILITY DATA = 59.17

(HEAD ASH OF BULK SAMPLE = 59.17)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853
DATA SET NAME: XY 1/2x1/4 WET AT

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	47.10	47.10	9.80	9.80
1.400 - 1.450	13.00	60.10	19.82	11.97
1.450 - 1.500	11.05	71.15	27.21	14.33
1.500 - 1.600	12.65	83.80	36.45	17.67
1.600 - 1.800	9.40	93.20	56.52	21.59
1.800 - 2.400	6.80	100.00	67.66	24.72

HEAD ASH OF WASHABILITY DATA = 24.72
(HEAD ASH OF BULK SAMPLE = 24.72)

**** 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)

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

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	34.96	34.96	9.44	9.44
1.400 - 1.450	10.74	45.70	18.33	11.53
1.450 - 1.500	11.06	56.76	23.44	13.85
1.500 - 1.600	10.96	67.72	33.17	16.98
1.600 - 1.800	12.62	80.34	44.85	21.36
1.800 - 2.600	19.66	100.00	69.49	30.82

HEAD ASH OF WASHABILITY DATA = 30.82

(HEAD ASH OF BULK SAMPLE = 30.82)

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 821

DATA SET NAME: DAT 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	2.03	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

F2 = 1.200

PREDICTED YIELD 62.17%

ASH 19.20%

YIELD ERROR 1.87%

ASH ERROR .63%

PREDICTED REJECTS 37.83%

ORGANIC EFFICIENCY 97.08%

PD = 1.500

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	5.12	.00
1.300 1.350	19.17	24.29	11.18	9.91	100.00	19.17	.00
1.350 1.400	18.17	42.46	19.02	13.81	100.00	18.17	.00
1.400 1.450	11.54	54.00	25.78	16.37	99.43	11.47	.07
1.450 1.500	8.62	62.62	33.05	18.66	98.12	8.46	.16
1.500 1.525	2.78	65.40	41.46	19.63	96.48	2.69	.10
1.525 1.550	2.02	67.43	47.24	20.46	92.44	1.87	.15
1.550 1.575	2.08	69.51	51.88	21.40	80.35	1.67	.41
1.575 1.600	2.16	71.67	55.67	22.44	60.66	1.31	.85
1.600 1.625	1.79	73.46	58.95	23.32	38.84	.69	1.09
1.625 1.650	1.49	74.95	61.93	24.09	21.21	.32	1.17
1.650 1.675	1.40	76.35	64.66	24.83	14.18	.20	1.20
1.675 1.700	1.44	77.78	67.27	25.62	10.72	.15	1.28
1.700 1.725	1.54	79.32	69.72	26.47	8.18	.13	1.41
1.725 1.750	1.63	80.95	71.77	27.39	6.60	.11	1.52
1.750 1.775	1.63	82.59	73.46	28.30	5.47	.09	1.55
1.775 1.800	1.48	84.07	74.82	29.12	4.34	.06	1.42
1.800 1.850	2.60	86.67	76.36	30.53	3.08	.08	2.52
1.850 1.900	2.38	89.05	77.60	31.79	1.92	.05	2.34
1.900 1.950	2.12	91.17	78.19	32.87	1.11	.02	2.10
1.950 2.000	1.82	92.99	78.43	33.76	.40	.01	1.81
2.000 2.100	2.66	95.64	78.72	35.01	.00	.00	2.66
2.100 2.200	1.41	97.05	80.34	35.67	.00	.00	1.41
2.200 2.300	.46	97.51	82.28	35.89	.00	.00	.46
2.300 2.400	.05	97.56	84.17	35.92	.00	.00	.05
2.400 2.500	.47	98.03	86.77	36.16	.00	.00	.47
2.500 2.600	1.97	100.00	89.49	37.21	.00	.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

F2 = 1.200

PD = 1.600

EP = .0301

PREDICTED YIELD 71.84%

ASH 22.89%

PREDICTED REJECTS 28.16%

ASH 73.72%

YIELD ERROR .75%

ASH ERROR .37%

ORGANIC EFFICIENCY 98.96%

** 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	100.00	19.17 .00
1.350	1.400	18.17	42.46	19.02	13.81	100.00	18.17 .00
1.400	1.450	11.54	54.00	25.78	16.37	100.00	11.54 .00
1.450	1.500	8.62	62.62	33.05	18.66	99.72	8.60 .02
1.500	1.550	4.81	67.43	43.90	20.46	98.79	4.75 .06
1.550	1.600	4.24	71.67	53.90	22.44	97.48	4.14 .11
1.600	1.625	1.79	73.46	58.95	23.33	94.54	1.69 .10
1.625	1.650	1.49	74.95	61.93	24.10	89.13	1.33 .16
1.650	1.675	1.40	76.35	64.66	24.84	76.13	1.06 .33
1.675	1.700	1.44	77.78	67.27	25.62	58.97	.85 .59
1.700	1.725	1.54	79.32	69.72	26.48	40.63	.63 .91
1.725	1.750	1.63	80.95	71.77	27.39	24.14	.39 1.24
1.750	1.775	1.63	82.59	73.46	28.30	16.33	.27 1.37
1.775	1.800	1.40	84.07	74.02	29.12	12.34	.18 1.30
1.800	1.825	1.32	85.39	75.92	29.85	9.89	.13 1.19
1.825	1.850	1.28	86.67	76.75	30.54	7.92	.10 1.17
1.850	1.875	1.22	87.89	77.37	31.19	6.63	.08 1.14
1.875	1.900	1.16	89.05	77.80	31.80	5.67	.07 1.10
1.900	1.925	1.10	90.14	78.09	32.36	4.70	.05 1.04
1.925	1.950	1.02	91.17	78.28	32.88	3.85	.04 .98
1.950	2.000	1.82	92.99	78.43	33.77	2.90	.05 1.76
2.000	2.050	1.49	94.48	78.60	34.47	1.95	.03 1.46
2.050	2.100	1.17	95.64	78.98	35.02	1.24	.01 1.15
2.100	2.150	.85	96.49	79.88	35.41	.64	.01 .84
2.150	2.200	.56	97.05	81.05	35.67	.13	.00 .56
2.200	2.300	.46	97.51	82.28	35.89	.00	.00 .46
2.300	2.400	.05	97.56	84.17	35.92	.00	.00 .05
2.400	2.500	.47	98.03	86.77	36.16	.00	.00 .47
2.500	2.600	1.97	100.00	89.49	37.21	.00	.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

F2 = 1.200

PREDICTED YIELD 78.45%

ASH 26.21%

YIELD ERROR .39%

ASH ERROR .22%

PREDICTED REJECTS 21.55%

ORGANIC EFFICIENCY 99.51%

PD = 1.700

EP = .0357

ASH 77.26%

** 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	Z OF FEED	CUM. Z OF FEED	Z INST. ASH	CUM. Z ASH	PARTITION NUMBER	Z OF FEED FLOATS	Z 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	100.00	19.17	.00
1.350 1.400	18.17	42.46	19.02	13.81	100.00	18.17	.00
1.400 1.450	11.54	54.00	25.78	16.37	100.00	11.54	.00
1.450 1.500	8.62	62.62	33.05	18.66	100.00	8.62	.00
1.500 1.550	4.81	67.43	43.90	20.46	99.88	4.80	.01
1.550 1.600	4.24	71.67	53.90	22.44	99.18	4.21	.03
1.600 1.650	3.28	74.95	60.32	24.10	98.22	3.22	.06
1.650 1.675	1.40	76.35	64.66	24.04	97.30	1.36	.04
1.675 1.700	1.44	77.78	67.27	25.62	95.85	1.38	.06
1.700 1.725	1.54	79.32	69.72	26.48	92.73	1.43	.11
1.725 1.750	1.63	80.95	71.77	27.39	85.58	1.39	.23
1.750 1.775	1.63	82.59	73.46	28.30	72.90	1.19	.44
1.775 1.800	1.48	84.07	74.82	29.12	57.74	.86	.63
1.800 1.825	1.32	85.39	75.92	29.05	41.24	.55	.77
1.825 1.850	1.28	86.67	76.75	30.54	26.72	.34	.93
1.850 1.875	1.22	87.89	77.37	31.19	18.16	.22	1.00
1.875 1.900	1.16	89.05	77.80	31.80	13.95	.16	1.00
1.900 1.925	1.10	90.14	78.09	32.36	11.34	.12	.97
1.925 1.950	1.02	91.17	78.28	32.88	9.30	.10	.93
1.950 1.975	.95	92.12	78.39	33.34	7.74	.07	.87
1.975 2.000	.87	92.99	78.47	33.77	6.65	.06	.81
2.000 2.025	.79	93.77	78.55	34.14	5.81	.05	.74
2.025 2.050	.71	94.48	78.67	34.47	4.98	.04	.67
2.050 2.100	1.17	95.64	78.98	35.02	3.85	.04	1.12
2.100 2.150	.85	96.49	79.88	35.41	2.78	.02	.83
2.150 2.200	.56	97.05	81.05	35.68	1.96	.01	.55
2.200 2.250	.32	97.37	82.05	35.83	1.33	.00	.31
2.250 2.300	.14	97.51	82.92	35.89	.81	.00	.14
2.300 2.350	.03	97.54	83.71	35.91	.31	.00	.03
2.350 2.400	.02	97.56	84.94	35.92	.02	.00	.02
2.400 2.500	.47	98.03	86.77	36.16	.00	.00	.47
2.500 2.600	1.97	100.00	89.49	37.21	.00	.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

F2 = 1.200

PD = 1.800

EP = .0413

PREDICTED YIELD 84.25%

ASH 29.33%

PREDICTED REJECTS 15.75%

ASH 79.40%

YIELD ERROR .19%

ASH ERROR .10%

ORGANIC EFFICIENCY 99.78%

** 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	99.62	4.51
1.300	1.350	15.78	20.30	10.64	9.70	98.99	15.62
1.350	1.400	12.50	32.80	17.67	12.74	97.65	12.20
1.400	1.425	5.27	38.07	23.37	14.21	95.29	5.02
1.425	1.450	4.48	42.55	27.41	15.60	90.41	4.05
1.450	1.475	4.35	46.90	31.62	17.09	77.49	3.37
1.475	1.500	3.80	50.70	35.89	18.50	59.50	2.26
1.500	1.525	2.95	53.65	40.23	19.69	40.06	1.18
1.525	1.550	2.39	56.04	44.63	20.75	23.15	.55
1.550	1.575	2.42	58.46	48.48	21.90	15.64	.38
1.575	1.600	2.49	60.95	51.82	23.13	11.79	.29
1.600	1.625	2.25	63.20	54.84	24.25	9.28	.21
1.625	1.650	2.05	65.24	57.65	25.30	7.44	.15
1.650	1.675	2.01	67.25	60.28	26.35	6.24	.13
1.675	1.700	2.06	69.31	62.79	27.43	5.25	.11
1.700	1.750	4.34	73.65	66.35	29.72	3.83	.17
1.750	1.800	4.15	77.80	70.22	31.88	2.57	.11
1.800	1.850	3.18	80.98	73.41	33.51	1.64	.05
1.850	1.900	2.39	83.37	76.02	34.73	.98	.02
1.900	1.950	1.80	85.17	78.21	35.65	.35	.01
1.950	2.000	1.37	86.55	80.11	36.36	.00	.00
2.000	2.100	2.04	88.59	82.72	37.43	.00	.00
2.100	2.200	1.81	90.40	86.03	38.40	.00	.00
2.200	2.300	2.10	92.49	87.95	39.52	.00	.00
2.300	2.400	2.52	95.02	88.99	40.83	.00	.00
2.400	2.500	2.71	97.72	89.65	42.19	.00	.00
2.500	2.600	2.28	100.00	90.39	43.28	.00	.00

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%
	PREDICTED REJECTS	49.61%	ORGANIC EFFICIENCY	93.95%
PD = 1.500	ASH	67.25%		
EP = .0337				

** 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	99.87	15.76	.02
1.350 1.400	12.50	32.80	17.67	12.74	99.17	12.39	.10
1.400 1.450	9.75	42.55	25.15	15.58	98.20	9.57	.18
1.450 1.475	4.35	46.90	31.62	17.07	97.28	4.23	.12
1.475 1.500	3.80	50.70	35.89	18.48	95.82	3.64	.16
1.500 1.525	2.95	53.65	40.23	19.68	92.68	2.74	.22
1.525 1.550	2.39	56.04	44.63	20.74	85.50	2.04	.35
1.550 1.575	2.42	58.46	48.48	21.89	72.84	1.76	.66
1.575 1.600	2.49	60.95	51.82	23.11	57.71	1.44	1.06
1.600 1.625	2.25	63.20	54.84	24.24	41.97	.94	1.30
1.625 1.650	2.05	65.24	57.65	25.29	26.77	.55	1.50
1.650 1.675	2.01	67.25	60.28	26.33	18.20	.37	1.64
1.675 1.700	2.04	69.31	62.79	27.42	13.90	.29	1.77
1.700 1.725	2.14	71.45	65.21	28.55	11.37	.24	1.90
1.725 1.750	2.20	73.65	67.40	29.71	9.34	.21	1.99
1.750 1.775	2.17	75.82	69.36	30.84	7.76	.17	2.00
1.775 1.800	1.98	77.80	71.13	31.87	6.67	.13	1.85
1.800 1.825	1.70	79.50	72.73	32.74	5.83	.10	1.60
1.825 1.850	1.48	80.98	74.17	33.50	5.01	.07	1.41
1.850 1.900	2.39	83.37	76.02	34.72	3.87	.09	2.30
1.900 1.950	1.80	85.17	78.21	35.64	2.80	.05	1.75
1.950 2.000	1.37	86.55	80.11	36.34	1.98	.03	1.35
2.000 2.050	1.10	87.64	81.90	36.92	1.34	.01	1.08
2.050 2.100	.95	88.59	83.73	37.41	.83	.01	.94
2.100 2.150	.89	89.48	85.35	37.89	.33	.00	.89
2.150 2.200	.92	90.40	86.60	38.39	.02	.00	.92
2.200 2.300	2.10	92.49	87.95	39.51	.00	.00	2.10
2.300 2.400	2.52	95.02	88.99	40.82	.00	.00	2.52
2.400 2.500	2.71	97.72	89.65	42.18	.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 = 1.415

AVERAGE S.G. SINKS = 1.945

PROCESS: HEAVY MEDIUM BATH

F1 = 1.370

F2 = 1.200

PD = 1.600

EP = .0414

PREDICTED YIELD 61.36%

ASH 24.19%

PREDICTED REJECTS 38.64%

ASH 73.58%

YIELD ERROR 1.73%

ASH ERROR .07%

ORGANIC EFFICIENCY 97.25%

** 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	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	29.07	.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

F2 = 1.200

PD = 1.700

EP = .0492

PREDICTED YIELD 69.86%

ASH 28.29%

PREDICTED REJECTS 30.14%

ASH 77.99%

YIELD ERROR 1.11%

ASH ERROR .59%

ORGANIC EFFICIENCY 98.44%

** 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
1.300	1.350	15.78	20.30	10.64	9.70	100.00	15.78
1.350	1.400	12.50	32.80	17.67	12.74	100.00	12.50
1.400	1.450	9.75	42.55	25.15	15.58	99.85	9.74
1.450	1.500	8.15	50.70	33.56	18.47	99.37	8.10
1.500	1.550	5.34	56.04	42.20	20.73	98.74	5.27
1.550	1.600	4.91	60.95	50.23	23.11	97.87	4.81
1.600	1.650	4.29	65.24	56.20	25.29	96.89	4.16
1.650	1.675	2.01	67.25	60.28	26.33	94.37	1.89
1.675	1.700	2.06	69.31	62.79	27.42	91.65	1.89
1.700	1.725	2.14	71.45	65.21	28.55	86.00	1.84
1.725	1.750	2.20	73.65	67.40	29.71	77.19	1.70
1.750	1.775	2.17	75.82	69.36	30.84	66.87	1.45
1.775	1.800	1.98	77.80	71.13	31.87	55.59	1.10
1.800	1.825	1.70	79.50	72.73	32.74	44.22	.75
1.825	1.850	1.48	80.98	74.17	33.50	32.38	.48
1.850	1.875	1.28	82.26	75.47	34.15	23.37	.30
1.875	1.900	1.11	83.37	76.65	34.72	17.94	.20
1.900	1.925	.96	84.34	77.74	35.21	14.81	.14
1.925	1.950	.84	85.17	78.74	35.64	12.49	.10
1.950	1.975	.73	85.90	79.69	36.01	10.89	.08
1.975	2.000	.64	86.55	80.60	36.34	9.41	.06
2.000	2.025	.57	87.12	81.48	36.64	8.19	.05
2.025	2.050	.52	87.64	82.37	36.91	7.26	.04
2.050	2.075	.48	88.13	83.29	37.17	6.53	.03
2.075	2.100	.46	88.59	84.19	37.41	5.93	.03
2.100	2.125	.45	89.04	84.99	37.65	5.35	.02
2.125	2.150	.45	89.48	85.70	37.89	4.73	.02
2.150	2.200	.92	90.40	86.60	38.39	3.92	.04
2.200	2.250	.99	91.39	87.55	38.92	3.09	.03
2.250	2.300	1.10	92.49	88.25	39.51	2.44	.03
2.300	2.350	1.21	93.71	88.77	40.15	1.87	.02
2.350	2.400	1.31	95.02	89.16	40.82	1.41	.02
2.400	2.450	1.36	96.38	89.49	41.51	1.03	.01
2.450	2.500	1.35	97.72	89.82	42.17	.65	.01
2.500	2.550	1.25	98.97	90.20	42.78	.30	.00
2.550	2.600	1.03	100.00	90.68	43.27	.06	.00

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

PREDICTED YIELD 77.21%

ASH 31.95%

YIELD ERROR .75%

ASH ERROR .39%

PREDICTED REJECTS 22.79%

ASH 81.64%

ORGANIC EFFICIENCY 99.04%

PD = 1.800

EP = .0549

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	4.03	94.21	3.39
1.300	1.325	5.61	9.14	5.92	5.99	93.55	5.25
1.325	1.350	5.40	14.53	8.30	6.34	85.98	4.64
1.350	1.375	5.21	19.74	10.60	7.47	72.31	3.77
1.375	1.400	4.21	24.65	12.87	8.54	57.50	2.82
1.400	1.425	4.48	29.13	15.21	9.57	42.41	1.90
1.425	1.450	4.32	33.45	17.72	10.62	27.56	1.19
1.450	1.475	5.14	38.59	20.30	11.91	15.16	.78
1.475	1.500	4.26	42.85	23.22	13.03	7.52	.32
1.500	1.525	3.01	45.86	26.70	13.93	4.74	.14
1.525	1.550	2.35	48.21	30.40	14.73	2.94	.07
1.550	1.600	5.59	53.80	34.21	16.76	2.29	.13
1.600	1.650	4.92	58.72	37.35	18.48	1.53	.08
1.650	1.700	4.13	62.85	39.88	19.89	1.19	.05
1.700	1.750	3.01	65.87	43.19	20.96	1.07	.03
1.750	1.800	2.83	68.70	47.02	22.03	.74	.02
1.800	1.850	3.04	71.74	50.63	23.24	.35	.01
1.850	1.900	2.50	74.24	54.50	24.29	.07	.00
1.900	2.000	3.93	78.17	60.12	26.10	.00	.00
2.000	2.100	3.29	81.47	67.47	27.77	.00	.00
2.100	2.200	3.30	84.77	73.66	29.56	.00	.00
2.200	2.300	3.64	88.41	78.63	31.58	.00	.00
2.300	2.400	4.00	92.41	82.76	33.79	.00	.00
2.400	2.500	4.07	96.48	86.28	36.01	.00	.00
2.500	2.600	3.52	100.00	89.40	37.89	.00	.00

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.358

AVERAGE S.G. SINKS = 1.810

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.198

PREDICTED YIELD 24.59%

YIELD ERROR 7.13%

F2 = 1.200

ASH 10.20%

ASH ERROR 1.67%

F3 = 1.060

PREDICTED REJECTS 75.41%

ORGANIC EFFICIENCY 77.52%

PD = 1.400

ASH 46.92%

EP = .0424

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	4.03	98.89	3.48
1.300	1.350	11.01	14.53	7.08	6.74	98.66	10.86
1.350	1.375	5.21	19.74	10.60	7.47	97.36	5.07
1.375	1.400	4.91	24.65	12.87	8.54	95.68	4.70
1.400	1.425	4.48	29.13	15.21	9.57	92.13	4.13
1.425	1.450	4.32	33.45	17.72	10.62	83.12	3.59
1.450	1.475	5.14	38.59	20.30	11.91	70.43	3.62
1.475	1.500	4.26	42.85	23.22	13.03	56.83	2.42
1.500	1.525	3.01	45.86	26.70	13.93	43.09	1.30
1.525	1.550	2.35	48.21	30.40	14.73	29.40	.69
1.550	1.575	2.75	50.96	33.14	15.73	17.70	.49
1.575	1.600	2.84	53.80	35.09	16.75	9.06	.26
1.600	1.625	2.49	56.29	36.69	17.63	5.78	.14
1.625	1.650	2.43	58.72	37.99	18.47	3.61	.09
1.650	1.700	4.13	62.85	39.88	19.88	2.40	.10
1.700	1.750	3.01	65.87	43.19	20.95	1.87	.06
1.750	1.800	2.83	68.70	47.02	22.02	1.29	.04
1.800	1.850	3.04	71.74	50.63	23.24	1.15	.03
1.850	1.900	2.50	74.24	54.50	24.29	.98	.02
1.900	1.950	2.10	76.34	58.36	25.22	.64	.01
1.950	2.000	1.83	78.17	62.15	26.09	.30	.01
2.000	2.050	1.68	79.85	65.78	26.93	.05	.00
2.050	2.100	1.61	81.47	69.17	27.76	.00	.00
2.100	2.200	3.30	84.77	73.66	29.55	.00	.00
2.200	2.300	3.64	88.41	78.63	31.57	.00	.00
2.300	2.400	4.00	92.41	82.76	33.79	.00	.00
2.400	2.500	4.07	96.48	86.28	36.00	.00	.00
2.500	2.600	3.52	100.00	89.40	37.88	.00	.00

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.698

AVERAGE S.G. FLOATS = 1.393

AVERAGE S.G. SINKS = 1.912

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.198

F2 = 1.200

F3 = 1.060

FD = 1.500

EP = .0465

PREDICTED YIELD 41.11%

ASH 13.70%

PREDICTED REJECTS 58.89%

ASH 54.76%

YIELD ERROR 3.97%

ASH ERROR 1.12%

ORGANIC EFFICIENCY 91.20%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. CFraction	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	4.03	99.46	3.50
1.300	1.350	11.01	14.53	7.08	6.34	99.20	10.92
1.350	1.400	10.12	24.65	11.69	8.54	98.88	10.00
1.400	1.450	8.80	33.45	16.43	10.61	98.29	8.65
1.450	1.475	5.14	38.59	20.30	11.90	96.81	4.98
1.475	1.500	4.26	42.85	23.22	13.03	94.53	4.02
1.500	1.525	3.01	45.86	26.70	13.93	90.41	2.72
1.525	1.550	2.35	48.21	30.40	14.73	80.56	1.89
1.550	1.575	2.75	50.96	33.14	15.72	68.83	1.89
1.575	1.600	2.84	53.80	35.09	16.74	56.27	1.60
1.600	1.625	2.49	56.29	36.69	17.63	43.66	1.09
1.625	1.650	2.43	58.72	37.99	18.47	30.98	.75
1.650	1.675	2.21	60.94	39.26	19.23	19.96	.44
1.675	1.700	1.92	62.85	40.69	19.88	10.94	.21
1.700	1.725	1.62	64.47	42.38	20.45	6.63	.11
1.725	1.750	1.40	65.87	44.16	20.95	4.46	.06
1.750	1.800	2.83	68.70	47.02	22.02	2.64	.07
1.800	1.850	3.04	71.74	50.63	23.24	2.18	.07
1.850	1.900	2.50	74.24	54.50	24.29	1.47	.04
1.900	1.950	2.10	76.34	58.36	25.22	1.20	.03
1.950	2.000	1.83	78.17	62.15	26.09	1.11	.02
2.000	2.050	1.68	79.85	65.78	26.93	.88	.01
2.050	2.100	1.61	81.47	69.17	27.76	.56	.01
2.100	2.150	1.62	83.09	72.24	28.63	.25	.00
2.150	2.200	1.68	84.77	74.96	29.55	.04	.00
2.200	2.300	3.64	88.41	78.63	31.57	.00	.00
2.300	2.400	4.00	92.41	82.76	33.79	.00	.00
2.400	2.500	4.07	96.48	86.28	36.00	.00	.00
2.500	2.600	3.52	100.00	89.40	37.88	.00	.00

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.698

AVERAGE S.G. FLOATS = 1.426

AVERAGE S.G. SINKS = 2.007

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.198

PREDICTED YIELD 53.10%

YIELD ERROR 1.77%

F2 = 1.200

ASH 17.12%

ASH ERROR .63%

F3 = 1.060

PREDICTED REJECTS 46.90%

ORGANIC EFFICIENCY 96.78%

PD = 1.600

ASH 61.38%

EP = .8506

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	4.03	99.84	3.52
1.300	1.350	11.01	14.53	7.08	6.24	99.71	10.98
1.350	1.400	10.12	24.65	11.69	8.54	99.41	10.06
1.400	1.450	8.80	33.45	16.43	10.61	99.01	8.71
1.450	1.500	2.40	42.85	21.48	13.00	98.83	9.29
1.500	1.550	5.36	48.21	28.35	14.71	97.80	5.24
1.550	1.575	2.75	50.96	33.14	15.70	96.11	2.64
1.575	1.600	2.84	53.80	35.09	16.72	93.49	2.66
1.600	1.625	2.49	56.29	36.69	17.61	88.38	2.20
1.625	1.650	2.43	58.72	37.99	18.45	78.34	1.91
1.650	1.675	2.21	60.94	39.26	19.21	67.44	1.49
1.675	1.700	1.92	62.85	40.69	19.86	55.80	1.07
1.700	1.725	1.62	64.47	42.38	20.43	44.15	.71
1.725	1.750	1.40	65.87	44.16	20.93	32.35	.45
1.750	1.775	1.33	67.20	46.01	21.43	21.94	.29
1.775	1.800	1.50	68.70	47.90	22.01	12.96	.19
1.800	1.825	1.60	70.30	49.74	22.64	7.59	.12
1.825	1.850	1.44	71.74	51.65	23.22	5.40	.08
1.850	1.900	2.50	74.24	54.50	24.27	3.02	.08
1.900	1.950	2.10	76.34	58.36	25.21	2.29	.05
1.950	2.000	1.83	78.17	62.15	26.08	1.72	.03
2.000	2.050	1.68	79.85	65.78	26.91	1.29	.02
2.050	2.100	1.61	81.47	69.17	27.75	1.16	.02
2.100	2.150	1.62	83.09	72.24	28.62	1.06	.02
2.150	2.200	1.68	84.77	74.96	29.53	.79	.01
2.200	2.250	1.77	86.53	77.44	30.51	.49	.01
2.250	2.300	1.87	88.41	79.70	31.55	.22	.00
2.300	2.350	1.97	90.37	81.77	32.65	.04	.00
2.350	2.400	2.03	92.41	83.68	33.77	.00	.00
2.400	2.500	4.07	96.48	86.28	35.99	.00	.00
2.500	2.600	3.52	100.00	89.40	37.87	.00	.00

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.456

AVERAGE S.G. SINKS = 2.093

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.198
F2 = 1.200
F3 = 1.060
PD = 1.700
EP = .0547

PREDICTED YIELD 61.86%
ASH 19.96%
PREDICTED REJECTS 38.14%
ASH 66.90%

YIELD ERROR 1.28%
ASH ERROR .44%
ORGANIC EFFICIENCY 97.97%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	99.99	3.52	.00
1.300	1.350	11.01	14.53	7.08	99.94	11.00	.01
1.350	1.400	10.12	24.65	11.69	99.80	10.10	.02
1.400	1.450	8.80	33.45	16.43	99.56	8.76	.04
1.450	1.500	9.40	42.85	21.48	99.24	9.33	.07
1.500	1.550	5.36	48.21	28.35	98.91	5.30	.06
1.550	1.600	5.59	53.80	34.21	98.70	5.52	.07
1.600	1.650	4.92	58.72	37.35	97.39	4.79	.13
1.650	1.675	2.21	60.94	39.26	95.23	2.11	.11
1.675	1.700	1.92	62.85	40.69	92.40	1.77	.15
1.700	1.725	1.62	64.47	42.38	86.23	1.39	.22
1.725	1.750	1.40	65.87	44.16	76.45	1.07	.33
1.750	1.775	1.33	67.20	46.01	66.24	.88	.45
1.775	1.800	1.50	68.70	47.90	55.39	.83	.67
1.800	1.825	1.60	70.30	49.74	44.56	.71	.89
1.825	1.850	1.44	71.74	51.65	33.55	.48	.96
1.850	1.875	1.31	73.05	53.58	23.66	.31	1.00
1.875	1.900	1.19	74.24	55.52	14.93	.18	1.01
1.900	1.925	1.09	75.33	57.45	8.76	.10	1.00
1.925	1.950	1.01	76.34	59.36	6.12	.06	.95
1.950	1.975	.94	77.28	61.25	4.28	.04	.90
1.975	2.000	.89	78.17	63.10	3.05	.03	.86
2.000	2.050	1.68	79.85	65.78	2.38	.04	1.64
2.050	2.100	1.61	81.47	69.17	2.02	.03	1.58
2.100	2.150	1.62	83.09	72.24	1.43	.02	1.60
2.150	2.200	1.68	84.77	74.96	1.20	.02	1.66
2.200	2.250	1.77	86.53	77.44	1.13	.02	1.75
2.250	2.300	1.87	88.41	79.70	.98	.02	1.85
2.300	2.350	1.97	90.37	81.77	.71	.01	1.95
2.350	2.400	2.03	92.41	83.68	.43	.01	2.03
2.400	2.450	2.06	94.46	85.45	.19	.00	2.05
2.450	2.500	2.01	96.48	87.11	.03	.00	2.01
2.500	2.600	3.52	100.00	89.40	.00	.00	3.52

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.483

AVERAGE S.G. SINKS = 2.168

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.198
F2 = 1.200
F3 = 1.060
PD = 1.800
EP = .0588

PREDICTED YIELD 68.47%
ASH 22.31%
PREDICTED REJECTS 31.53%
ASH 71.67%

YIELD ERROR .98%
ASH ERROR .39%
ORGANIC EFFICIENCY 98.58%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.	% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION	FEED	OF	INST.	%	NUMBER	FEED	FEED
		FEED	ASH	ASH		FLOATS	SINKS
1.285	1.300	3.52	3.52	4.03	4.03	58.66	2.07
1.300	1.350	11.01	14.53	7.08	6.04	53.67	5.91
1.350	1.400	10.12	24.65	11.69	8.54	46.16	4.67
1.400	1.450	8.80	33.45	16.43	10.61	38.43	3.38
1.450	1.500	9.40	42.85	21.48	13.00	30.65	2.88
1.500	1.550	5.36	48.21	28.35	14.71	25.39	1.36
1.550	1.600	5.59	53.80	34.21	16.73	20.24	1.13
1.600	1.650	4.92	58.72	37.35	18.46	16.24	.80
1.650	1.700	4.13	62.85	39.88	19.87	12.83	.53
1.700	1.750	3.01	65.87	43.19	20.93	9.95	.30
1.750	1.800	2.83	68.70	47.02	22.01	7.89	.22
1.800	1.850	3.04	71.74	50.63	23.22	6.50	.20
1.850	1.900	2.50	74.24	54.50	24.28	5.30	.13
1.900	1.950	2.10	76.34	58.36	25.21	4.01	.08
1.950	2.000	1.83	78.17	62.15	26.08	2.83	.05
2.000	2.050	1.68	79.85	65.78	26.91	1.85	.03
2.050	2.100	1.61	81.47	69.17	27.75	1.09	.02
2.100	2.150	1.62	83.09	72.24	28.62	.32	.01
2.150	2.200	1.68	84.77	74.96	29.54	.00	.00
2.200	2.250	1.77	86.53	77.44	30.52	.00	.00
2.250	2.300	1.87	88.41	79.70	31.56	.00	.00
2.300	2.350	1.97	90.37	81.77	32.65	.00	.00
2.350	2.400	2.03	92.41	83.68	33.77	.00	.00
2.400	2.450	2.06	94.46	85.45	34.90	.00	.00
2.450	2.500	2.01	96.48	87.11	35.99	.00	.00
2.500	2.550	1.88	98.36	88.69	36.99	.00	.00
2.550	2.600	1.64	100.00	90.22	37.87	.00	.00

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.427

AVERAGE S.G. SINKS = 1.783

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

PREDICTED YIELD 23.77%

YIELD ERROR 30.65%

F2 = 1.200

ASH 16.95%

ASH ERROR 8.60%

PREDICTED REJECTS 76.23%

ORGANIC EFFICIENCY 43.68%

PD = 1.350

ASH 44.39%

EP = .1626

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	1.46	4.03	4.03	58.66	.85	.60
1.300	1.350	5.10	6.56	7.08	53.67	2.74	2.36
1.350	1.400	5.45	12.00	11.69	46.16	2.51	2.93
1.400	1.450	5.42	17.42	16.43	38.43	2.08	3.34
1.450	1.500	6.52	23.94	21.48	30.65	2.00	4.52
1.500	1.550	4.00	27.94	28.35	16.04	1.02	2.98
1.550	1.600	4.46	32.40	34.21	18.54	.90	3.56
1.600	1.650	4.12	36.52	37.35	20.66	.67	3.45
1.650	1.700	3.60	40.12	39.88	22.39	.46	3.14
1.700	1.750	2.71	42.84	43.19	23.70	.27	2.44
1.750	1.800	2.61	45.45	47.02	25.04	.21	2.40
1.800	1.850	2.85	48.29	50.63	26.55	.18	2.66
1.850	1.900	2.36	50.66	54.50	27.85	.13	2.24
1.900	1.950	2.02	52.67	58.36	29.02	.08	1.94
1.950	2.000	1.78	54.45	62.15	30.11	.05	1.73
2.000	2.050	1.65	56.10	65.78	31.15	.03	1.62
2.050	2.100	1.60	57.70	69.17	32.21	.02	1.58
2.100	2.150	1.62	59.31	72.24	33.30	.01	1.61
2.150	2.200	1.68	60.99	74.96	34.44	.00	1.68
2.200	2.250	1.77	62.76	77.44	35.65	.00	1.77
2.250	2.300	1.87	64.63	79.70	36.93	.00	1.87
2.300	2.350	1.97	66.60	81.77	38.25	.00	1.97
2.350	2.400	2.03	68.63	83.68	39.60	.00	2.03
2.400	2.450	2.06	70.69	85.45	40.93	.00	2.06
2.450	2.500	2.01	72.70	87.11	42.21	.00	2.01
2.500	2.550	1.88	74.58	88.69	43.38	.00	1.88
2.550	2.600	1.64	76.23	90.22	44.39	.00	1.64

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.783

AVERAGE S.G. FLOATS = 1.457

AVERAGE S.G. SINKS = 1.858

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.350

EP = 1.626

PREDICTED YIELD 14.21%

ASH 19.81%

PREDICTED REJECTS 62.02%

ASH 50.03%

YIELD ERROR 20.66%

ASH ERROR 10.04%

ORGANIC EFFICIENCY 40.75%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 79

WASHABILITY DATA

PREDICTIONS

S.G.	% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF	
FRACTION	FEED	OF	INST.	%	NUMBER	FEED	FEED	
		FEED	ASH	ASH		FLOATS	SINKS	
1.285	1.300	3.52	3.52	4.03	4.03	66.44	2.34	1.18
1.300	1.350	11.01	14.53	7.08	6.64	60.34	6.64	4.37
1.350	1.400	10.12	24.65	11.69	8.54	53.28	5.39	4.73
1.400	1.450	8.80	33.45	16.43	10.61	46.57	4.10	4.70
1.450	1.500	9.40	42.85	21.48	13.00	39.72	3.73	5.67
1.500	1.550	5.36	48.21	28.35	14.71	32.59	1.75	3.61
1.550	1.600	5.59	53.80	34.21	16.73	27.22	1.52	4.07
1.600	1.650	4.92	58.72	37.35	18.46	22.72	1.12	3.80
1.650	1.700	4.13	62.85	39.88	19.87	18.49	.76	3.37
1.700	1.750	3.01	65.87	43.19	20.93	15.21	.46	2.56
1.750	1.800	2.83	69.70	47.02	22.01	12.25	.35	2.49
1.800	1.850	3.04	71.74	50.63	23.22	9.75	.30	2.75
1.850	1.900	2.50	74.24	54.50	24.28	7.94	.20	2.30
1.900	1.950	2.10	76.34	58.36	25.21	6.67	.14	1.96
1.950	2.000	1.83	78.17	62.15	26.08	5.60	.10	1.73
2.000	2.050	1.68	79.85	65.78	26.91	4.46	.07	1.60
2.050	2.100	1.61	81.47	69.17	27.75	3.36	.05	1.56
2.100	2.150	1.62	83.09	72.24	28.62	2.39	.04	1.58
2.150	2.200	1.68	84.77	74.96	29.54	1.60	.03	1.65
2.200	2.250	1.77	86.53	77.44	30.52	.95	.02	1.75
2.250	2.300	1.87	88.41	79.70	31.56	.25	.00	1.87
2.300	2.350	1.97	90.37	81.77	32.65	.00	.00	1.97
2.350	2.400	2.03	92.41	83.68	33.77	.00	.00	2.03
2.400	2.450	2.06	94.46	85.45	34.90	.00	.00	2.06
2.450	2.500	2.01	96.48	87.11	35.99	.00	.00	2.01
2.500	2.550	1.88	98.36	88.69	36.99	.00	.00	1.88
2.550	2.600	1.64	100.00	90.22	37.87	.00	.00	1.64

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.442

AVERAGE S.G. SINKS = 1.804

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.400

EP = 1.824

PREDICTED YIELD 29.12%

ASH 18.29%

PREDICTED REJECTS 70.88%

ASH 45.91%

YIELD ERROR 29.12%

ASH ERROR 8.70%

ORGANIC EFFICIENCY 50.00%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	1.18	1.18	4.03	4.03	66.44	.79
1.300	1.350	4.37	5.55	7.08	6.43	60.34	2.63
1.350	1.400	4.73	10.28	11.69	8.85	53.28	2.52
1.400	1.450	4.70	14.98	16.43	11.23	46.57	2.19
1.450	1.500	5.67	20.64	21.48	14.04	39.72	2.25
1.500	1.550	3.61	24.26	28.35	16.18	32.59	1.18
1.550	1.600	4.07	28.33	34.21	18.76	27.22	1.11
1.600	1.650	3.80	32.13	37.35	20.97	22.72	.86
1.650	1.700	3.37	35.50	39.88	22.76	18.49	.62
1.700	1.750	2.56	38.05	43.19	24.13	15.21	.39
1.750	1.800	2.49	40.54	47.02	25.53	12.25	.30
1.800	1.850	2.75	43.28	50.63	27.13	9.75	.27
1.850	1.900	2.30	45.58	54.50	28.51	7.94	.18
1.900	1.950	1.96	47.54	58.36	29.74	6.67	.13
1.950	2.000	1.73	49.27	62.15	30.88	5.60	.10
2.000	2.050	1.60	50.88	65.78	31.98	4.46	.07
2.050	2.100	1.56	52.44	69.17	33.08	3.36	.05
2.100	2.150	1.58	54.02	72.24	34.23	2.39	.04
2.150	2.200	1.65	55.67	74.96	35.44	1.60	.03
2.200	2.250	1.75	57.42	77.44	36.72	.95	.02
2.250	2.300	1.87	59.29	79.70	38.07	.25	.00
2.300	2.350	1.97	61.26	81.77	39.48	.00	.00
2.350	2.400	2.03	63.29	83.68	40.90	.00	.00
2.400	2.450	2.06	65.35	85.45	42.30	.00	.00
2.450	2.500	2.01	67.36	87.11	43.64	.00	.00
2.500	2.550	1.88	69.24	88.69	44.86	.00	.00
2.550	2.600	1.64	70.88	90.22	45.91	.00	.00

HEAD ASH OF WASHABILITY DATA = 37.24

AVERAGE S.G. FEED = 1.804

AVERAGE S.G. FLOATS = 1.482

AVERAGE S.G. SINKS = 1.896

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.400

EP = .1824

PREDICTED YIELD 15.73%

ASH 22.05%

PREDICTED REJECTS 55.15%

ASH 52.72%

YIELD ERROR 18.44%

ASH ERROR 10.45%

ORGANIC EFFICIENCY 46.04%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	4.03	75.88	2.67
1.300	1.350	11.01	14.53	7.08	6.34	72.30	7.96
1.350	1.400	10.12	24.65	11.69	8.54	65.52	6.63
1.400	1.450	8.80	33.45	16.43	10.61	58.23	5.12
1.450	1.500	9.40	42.85	21.48	13.00	52.71	4.95
1.500	1.550	5.36	48.21	28.35	14.71	47.18	2.53
1.550	1.600	5.59	53.80	34.21	16.73	41.55	2.32
1.600	1.650	4.92	58.72	37.35	18.46	35.74	1.76
1.650	1.700	4.13	62.85	39.88	19.87	30.24	1.25
1.700	1.750	3.01	65.87	43.19	20.93	26.38	.79
1.750	1.800	2.83	68.70	47.02	22.01	22.63	.64
1.800	1.850	3.04	71.74	50.63	23.22	19.08	.58
1.850	1.900	2.50	74.24	54.50	24.28	16.27	.41
1.900	1.950	2.10	76.34	58.36	25.21	13.73	.29
1.950	2.000	1.83	78.17	62.15	26.08	11.43	.21
2.000	2.050	1.68	79.85	65.78	26.91	9.48	.16
2.050	2.100	1.61	81.47	69.17	27.75	8.02	.13
2.100	2.150	1.62	83.09	72.24	28.62	6.93	.11
2.150	2.200	1.68	84.77	74.96	29.54	6.03	.10
2.200	2.250	1.77	86.53	77.44	30.52	5.15	.09
2.250	2.300	1.87	88.41	79.70	31.56	4.19	.08
2.300	2.350	1.97	90.37	81.77	32.65	3.30	.06
2.350	2.400	2.03	92.41	83.68	33.77	2.50	.05
2.400	2.450	2.06	94.46	85.45	34.90	1.81	.04
2.450	2.500	2.01	96.48	87.11	35.99	1.25	.03
2.500	2.550	1.88	98.36	88.69	36.99	.70	.01
2.550	2.600	1.64	100.00	90.22	37.87	.16	.00

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.472

AVERAGE S.G. SINKS = 1.844

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.500

EP = .2220

PREDICTED YIELD

ASH 20.84%

PREDICTED REJECTS

ASH 48.75%

YIELD ERROR 26.62%

ASH ERROR 8.82%

ORGANIC EFFICIENCY 59.43%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	.85	4.03	4.03	75.88	.64	.21
1.300	1.350	3.05	7.08	6.42	72.30	2.21	.84
1.350	1.400	3.49	11.69	8.91	65.52	2.29	1.20
1.400	1.450	3.68	16.43	11.41	58.23	2.14	1.54
1.450	1.500	4.45	21.48	14.29	52.71	2.34	2.10
1.500	1.550	2.83	28.35	16.46	47.18	1.34	1.50
1.550	1.600	3.27	34.21	19.15	41.55	1.36	1.91
1.600	1.650	3.16	37.35	21.47	35.74	1.13	2.03
1.650	1.700	2.89	39.88	23.39	30.24	.87	2.01
1.700	1.750	2.22	43.19	24.86	26.38	.59	1.63
1.750	1.800	2.12	47.02	26.37	22.63	.50	1.70
1.800	1.850	2.46	50.63	28.10	19.08	.47	1.99
1.850	1.900	2.09	54.50	29.61	16.27	.34	1.75
1.900	1.950	1.81	58.36	30.97	13.73	.25	1.56
1.950	2.000	1.62	62.15	32.23	11.43	.19	1.44
2.000	2.050	1.52	65.78	33.46	9.48	.14	1.38
2.050	2.100	1.48	69.17	34.69	8.02	.12	1.37
2.100	2.150	1.51	72.24	35.96	6.93	.10	1.40
2.150	2.200	1.58	74.96	37.29	6.03	.10	1.48
2.200	2.250	1.68	77.44	38.70	5.15	.09	1.59
2.250	2.300	1.79	79.70	40.18	4.19	.08	1.72
2.300	2.350	1.90	81.77	41.72	3.30	.06	1.84
2.350	2.400	1.88	83.68	43.27	2.50	.05	1.93
2.400	2.450	2.02	85.45	44.81	1.81	.04	1.98
2.450	2.500	1.99	87.11	46.27	1.25	.02	1.96
2.500	2.550	1.87	88.69	47.60	.70	.01	1.85
2.550	2.600	1.64	90.22	48.75	.16	.00	1.64

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.844

AVERAGE S.G. FLOATS = 1.541

AVERAGE S.G. SINKS = 1.965

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.500

EP = .2220

PREDICTED YIELD 17.45%

ASH 26.91%

PREDICTED REJECTS 43.56%

ASH 57.50%

YIELD ERROR 15.38%

ASH ERROR 11.13%

ORGANIC EFFICIENCY 53.16%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.285	1.300	3.52	3.52	4.03	4.03	81.59	2.87	.65
1.300	1.350	11.01	14.53	7.08	6.94	78.85	8.68	2.33
1.350	1.400	10.12	24.65	11.69	8.54	74.02	7.49	2.63
1.400	1.450	8.80	33.45	16.43	10.61	69.08	6.08	2.72
1.450	1.500	9.40	42.85	21.48	13.00	62.52	5.88	3.52
1.500	1.550	5.36	48.21	28.35	14.71	56.89	3.05	2.31
1.550	1.600	5.59	53.80	34.21	16.73	52.31	2.92	2.67
1.600	1.650	4.92	58.72	37.35	18.46	47.61	2.34	2.58
1.650	1.700	4.13	62.85	39.88	19.87	42.83	1.77	2.36
1.700	1.750	3.01	65.87	43.19	20.93	38.00	1.15	1.87
1.750	1.800	2.83	68.70	47.02	22.01	32.99	.93	1.90
1.800	1.850	3.04	71.74	50.63	23.22	28.86	.68	2.16
1.850	1.900	2.50	74.24	54.50	24.28	25.79	.64	1.85
1.900	1.950	2.10	76.34	58.36	25.21	22.56	.47	1.63
1.950	2.000	1.83	78.17	62.15	26.08	19.51	.36	1.48
2.000	2.050	1.68	79.85	65.78	26.91	17.03	.29	1.39
2.050	2.100	1.61	81.47	69.17	27.75	14.82	.24	1.37
2.100	2.150	1.62	83.09	72.24	28.62	12.75	.21	1.41
2.150	2.200	1.68	84.77	74.96	29.54	10.89	.18	1.50
2.200	2.250	1.77	86.53	77.44	30.52	9.30	.16	1.60
2.250	2.300	1.87	88.41	79.70	31.56	8.08	.15	1.72
2.300	2.350	1.97	90.37	81.77	32.65	7.12	.14	1.83
2.350	2.400	2.03	92.41	83.68	33.77	6.33	.13	1.91
2.400	2.450	2.06	94.46	85.45	34.90	5.60	.12	1.94
2.450	2.500	2.01	96.48	87.11	35.99	4.81	.10	1.91
2.500	2.550	1.88	98.36	88.69	36.99	4.01	.08	1.81
2.550	2.600	1.64	100.00	90.22	37.87	3.26	.05	1.59

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.500

AVERAGE S.G. SINKS = 1.878

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.600

EP = .2616

PREDICTED YIELD 47.36%

ASH 23.12%

PREDICTED REJECTS 52.64%

ASH 51.14%

YIELD ERROR 24.12%

ASH ERROR 8.69%

ORGANIC EFFICIENCY 66.26%

87.36
17.56

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

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

W A S H A B I L I T Y D A T A

P R E D I C T I O N S

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.285	1.300	.65	.65	4.03	4.03	81.59	.53	.12
1.300	1.350	2.33	2.98	7.08	6.42	78.85	1.84	.49
1.350	1.400	2.63	5.61	11.69	8.89	74.02	1.95	.68
1.400	1.450	2.72	8.33	16.43	11.35	69.08	1.88	.84
1.450	1.500	3.52	11.85	21.48	14.37	62.52	2.20	1.32
1.500	1.550	2.31	14.16	28.35	16.65	56.89	1.31	1.00
1.550	1.600	2.67	16.83	34.21	19.43	52.31	1.39	1.27
1.600	1.650	2.58	19.41	37.35	21.81	47.61	1.23	1.35
1.650	1.700	2.36	21.77	39.88	23.77	42.83	1.01	1.35
1.700	1.750	1.87	23.64	43.19	25.31	38.00	.71	1.16
1.750	1.800	1.90	25.53	47.02	26.92	32.99	.63	1.27
1.800	1.850	2.16	27.70	50.63	28.77	28.86	.62	1.54
1.850	1.900	1.85	29.55	54.50	30.39	25.79	.48	1.37
1.900	1.950	1.63	31.18	58.36	31.85	22.56	.37	1.26
1.950	2.000	1.48	32.65	62.15	33.22	19.51	.29	1.19
2.000	2.050	1.39	34.05	65.78	34.55	17.03	.24	1.16
2.050	2.100	1.37	35.42	69.17	35.89	14.82	.20	1.17
2.100	2.150	1.41	36.83	72.24	37.29	12.75	.18	1.23
2.150	2.200	1.50	38.33	74.96	38.76	10.89	.16	1.33
2.200	2.250	1.60	39.94	77.44	40.31	9.30	.15	1.46
2.250	2.300	1.72	41.66	79.70	41.94	8.08	.14	1.58
2.300	2.350	1.83	43.48	81.77	43.61	7.12	.13	1.70
2.350	2.400	1.91	45.39	83.68	45.29	6.33	.12	1.79
2.400	2.450	1.94	47.33	85.45	46.94	5.60	.11	1.83
2.450	2.500	1.91	49.24	87.11	48.50	4.81	.09	1.82
2.500	2.550	1.81	51.05	88.69	49.92	4.01	.07	1.73
2.550	2.600	1.59	52.64	90.22	51.14	3.26	.05	1.54

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.878

AVERAGE S.G. FLOATS = 1.601

AVERAGE S.G. SINKS = 2.022

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.600

EP = .2616

PREDICTED YIELD 18.08%

ASH 31.58%

PREDICTED REJECTS 34.56%

ASH 61.38%

YIELD ERROR 12.80%

ASH ERROR 10.99%

ORGANIC EFFICIENCY 58.56%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	4.03	4.03	84.60	2.98	.54
1.300	1.350	11.01	7.08	6.34	82.88	9.13	1.88
1.350	1.400	10.12	11.69	8.54	79.52	8.04	2.07
1.400	1.450	8.80	16.43	10.61	75.33	6.63	2.17
1.450	1.500	9.40	21.48	13.00	71.27	6.70	2.70
1.500	1.550	5.36	28.35	14.71	66.15	3.55	1.81
1.550	1.600	5.59	34.21	16.73	60.46	3.38	2.21
1.600	1.650	4.92	37.35	18.46	55.95	2.75	2.17
1.650	1.700	4.13	39.88	19.87	52.01	2.15	1.98
1.700	1.750	3.01	43.19	20.93	47.92	1.44	1.57
1.750	1.800	2.83	47.02	22.01	43.77	1.24	1.59
1.800	1.850	3.04	50.63	23.22	39.62	1.21	1.84
1.850	1.900	2.50	54.50	24.28	35.26	.88	1.62
1.900	1.950	2.10	58.36	25.21	31.13	.65	1.45
1.950	2.000	1.83	62.15	26.08	27.96	.51	1.32
2.000	2.050	1.68	65.78	26.91	25.34	.43	1.25
2.050	2.100	1.61	69.17	27.75	22.52	.36	1.25
2.100	2.150	1.62	72.24	28.62	19.84	.32	1.30
2.150	2.200	1.68	74.96	29.54	17.61	.30	1.38
2.200	2.250	1.77	77.44	30.52	15.65	.28	1.49
2.250	2.300	1.87	79.70	31.56	13.79	.26	1.61
2.300	2.350	1.97	81.77	32.65	12.06	.24	1.73
2.350	2.400	2.03	83.68	33.77	10.50	.21	1.82
2.400	2.450	2.06	85.45	34.90	9.17	.19	1.87
2.450	2.500	2.01	87.11	35.99	8.12	.16	1.85
2.500	2.550	1.88	88.69	36.99	7.27	.14	1.74
2.550	2.600	1.64	90.22	37.87	6.56	.11	1.54

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.524

AVERAGE S.G. SINKS = 1.906

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.700

EP = .3012

PREDICTED YIELD

ASH 54.23%

PREDICTED REJECTS

ASH 45.77%

ASH 53.07%

YIELD ERROR 21.72%

ASH ERROR 8.16%

ORGANIC EFFICIENCY 71.40%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	.54	.54	4.03	4.03	84.60	.08
1.300	1.350	1.88	2.43	7.08	6.40	82.88	.32
1.350	1.400	2.07	4.50	11.69	8.84	79.52	.42
1.400	1.450	2.17	6.67	16.43	11.31	75.33	.54
1.450	1.500	2.70	9.37	21.48	14.24	71.27	.78
1.500	1.550	1.81	11.19	28.35	16.53	66.15	.61
1.550	1.600	2.21	13.40	34.21	19.45	60.46	.87
1.600	1.650	2.17	15.56	37.35	21.94	55.95	.96
1.650	1.700	1.98	17.55	39.88	23.97	52.01	.95
1.700	1.750	1.57	19.12	43.19	25.54	47.92	.82
1.750	1.800	1.59	20.71	47.02	27.20	43.77	.90
1.800	1.850	1.84	22.55	50.63	29.11	39.62	1.11
1.850	1.900	1.62	24.16	54.50	30.80	35.26	1.05
1.900	1.950	1.45	25.61	58.36	32.36	31.13	1.00
1.950	2.000	1.32	26.93	62.15	33.82	27.96	.95
2.000	2.050	1.25	28.18	65.78	35.24	25.34	.94
2.050	2.100	1.25	29.43	69.17	36.68	22.52	.97
2.100	2.150	1.30	30.73	72.24	38.19	19.84	1.04
2.150	2.200	1.38	32.12	74.96	39.77	17.61	1.14
2.200	2.250	1.49	33.61	77.44	41.44	15.65	1.26
2.250	2.300	1.61	35.22	79.70	43.20	13.79	1.39
2.300	2.350	1.73	36.95	81.77	45.00	12.06	1.52
2.350	2.400	1.82	38.77	83.68	46.82	10.50	1.63
2.400	2.450	1.87	40.64	85.45	48.59	9.17	1.70
2.450	2.500	1.85	42.49	87.11	50.27	8.12	1.70
2.500	2.550	1.74	44.23	88.69	51.78	7.27	1.62
2.550	2.600	1.54	45.77	90.22	53.07	6.56	1.44

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.906

AVERAGE S.G. FLOATS = 1.653

AVERAGE S.G. SINKS = 2.071

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

FD = 1.700

EP = .3012

PREDICTED YIELD 18.08%

ASH 35.57%

PREDICTED REJECTS 27.69%

ASH 64.51%

YIELD ERROR 10.38%

ASH ERROR 11.06%

ORGANIC EFFICIENCY 63.52%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	4.03	86.41	3.04
1.300	1.350	11.01	14.53	7.08	6.34	85.18	9.38
1.350	1.400	10.12	24.65	11.69	8.54	82.92	8.39
1.400	1.450	8.80	33.45	16.43	10.61	80.01	7.04
1.450	1.500	9.40	42.85	21.48	13.00	76.37	7.18
1.500	1.550	5.36	48.21	28.35	14.71	72.75	3.90
1.550	1.600	5.59	53.80	34.21	16.73	68.81	3.85
1.600	1.650	4.92	58.72	37.35	18.46	63.76	3.14
1.650	1.700	4.13	62.85	39.88	19.87	59.04	2.44
1.700	1.750	3.01	65.87	43.19	20.93	55.24	1.66
1.750	1.800	2.83	68.70	47.02	22.01	51.78	1.47
1.800	1.850	3.04	71.74	50.63	23.22	48.17	1.47
1.850	1.900	2.50	74.24	54.50	24.28	44.50	1.11
1.900	1.950	2.10	76.34	58.36	25.21	40.83	.86
1.950	2.000	1.83	78.17	62.15	26.08	37.05	.68
2.000	2.050	1.68	79.85	65.78	26.91	33.21	.56
2.050	2.100	1.61	81.47	69.17	27.75	29.86	.48
2.100	2.150	1.42	83.09	72.24	28.62	27.31	.44
2.150	2.200	1.68	84.77	74.96	29.54	24.99	.42
2.200	2.250	1.77	86.53	77.44	30.52	22.48	.40
2.250	2.300	1.87	88.41	79.70	31.56	20.09	.38
2.300	2.350	1.97	90.37	81.77	32.65	18.07	.36
2.350	2.400	2.03	92.41	83.68	33.77	16.29	.33
2.400	2.450	2.06	94.46	85.45	34.90	14.62	.30
2.450	2.500	2.01	96.48	87.11	35.99	13.02	.26
2.500	2.550	1.88	98.36	88.69	36.99	11.55	.22
2.550	2.600	1.64	100.00	90.22	37.87	10.22	.17

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.546

AVERAGE S.G. SINKS = 1.927

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.800

EP = .3408

PREDICTED YIELD 59.91%

ASH 26.79%

PREDICTED REJECTS 40.09%

ASH 54.42%

YIELD ERROR 19.70%

ASH ERROR 7.93%

ORGANIC EFFICIENCY 75.26%

59.91

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	.48	.48	4.03	4.03	86.41	.07
1.300	1.350	1.63	2.11	7.08	6.39	85.18	.24
1.350	1.400	1.73	3.84	11.69	8.78	82.92	.30
1.400	1.450	1.76	5.60	16.43	11.18	80.01	.35
1.450	1.500	2.22	7.82	21.48	14.11	76.37	.53
1.500	1.550	1.46	9.28	28.35	16.35	72.75	.40
1.550	1.600	1.74	11.02	34.21	19.17	68.81	.54
1.600	1.650	1.78	12.81	37.35	21.71	63.76	.65
1.650	1.700	1.69	14.50	39.88	23.83	59.04	.69
1.700	1.750	1.35	15.85	43.19	25.47	55.24	.60
1.750	1.800	1.37	17.21	47.02	27.18	51.78	.66
1.800	1.850	1.58	18.79	50.63	29.15	48.17	.82
1.850	1.900	1.39	20.18	54.50	30.89	44.50	.77
1.900	1.950	1.24	21.42	58.36	32.49	40.83	.74
1.950	2.000	1.15	22.57	62.15	34.00	37.05	.73
2.000	2.050	1.12	23.70	65.78	35.51	33.21	.75
2.050	2.100	1.13	24.83	69.17	37.04	29.86	.79
2.100	2.150	1.18	26.81	72.24	38.63	27.31	.86
2.150	2.200	1.26	27.26	74.96	40.31	24.99	.94
2.200	2.250	1.37	28.64	77.44	42.09	22.48	1.06
2.250	2.300	1.50	30.13	79.70	43.96	20.09	1.20
2.300	2.350	1.61	31.74	81.77	45.88	18.07	1.32
2.350	2.400	1.70	33.45	83.68	47.80	16.29	1.43
2.400	2.450	1.76	35.20	85.45	49.68	14.62	1.50
2.450	2.500	1.75	36.95	87.11	51.45	13.02	1.52
2.500	2.550	1.66	38.62	88.69	53.06	11.55	1.47
2.550	2.600	1.48	40.09	90.22	54.42	10.22	1.33

HEAD ASH OF WASHABILITY DATA = 37.24

AVERAGE S.G. FEED = 1.927

AVERAGE S.G. FLOATS = 1.701

AVERAGE S.G. SINKS = 2.107

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.200

EP = .3408

PREDICTED YIELD 17.86%

ASH 39.04%

PREDICTED REJECTS 22.24%

ASH 66.78%

YIELD ERROR 8.45%

ASH ERROR 11.05%

ORGANIC EFFICIENCY 67.87%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321	1.350	1.45	1.45	5.35	5.35	51.95	.75
1.350	1.400	2.60	4.05	10.23	8.48	46.51	1.21
1.400	1.450	2.05	6.10	14.70	10.57	39.51	.81
1.450	1.500	5.75	11.85	15.65	13.03	32.26	1.85
1.500	1.550	2.25	14.10	27.67	15.37	26.92	.61
1.550	1.600	2.80	16.90	38.51	19.20	22.30	.62
1.600	1.650	3.35	20.25	41.20	22.84	18.11	.61
1.650	1.700	3.08	23.33	41.93	25.36	14.81	.46
1.700	1.750	1.76	25.09	44.12	26.68	11.85	.21
1.750	1.800	1.81	26.90	47.25	28.06	9.40	.17
1.800	1.850	3.15	30.05	49.68	30.33	7.67	.24
1.850	1.900	3.57	33.62	52.20	32.65	6.44	.23
1.900	1.950	3.90	37.52	54.67	34.94	5.35	.21
1.950	2.000	4.15	41.66	57.10	37.14	4.18	.17
2.000	2.050	4.33	46.00	59.52	39.25	3.08	.13
2.050	2.100	4.47	50.47	61.96	41.26	2.14	.10
2.100	2.150	4.57	55.04	64.44	43.19	1.39	.06
2.150	2.200	4.64	59.67	66.98	45.04	.72	.03
2.200	2.250	4.69	64.36	69.62	46.83	.08	.00
2.250	2.300	4.74	69.10	72.38	48.58	.00	.00
2.300	2.350	4.80	73.90	75.28	50.32	.00	.00
2.350	2.400	4.88	78.79	78.25	52.05	.00	.00
2.400	2.450	5.00	83.79	81.25	53.79	.00	.00
2.450	2.500	5.16	88.95	84.20	55.55	.00	.00
2.500	2.550	5.38	94.33	87.06	57.35	.00	.00
2.550	2.600	5.67	100.00	89.75	59.19	.00	.00

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.047

AVERAGE S.G. FLOATS = 1.554

AVERAGE S.G. SINKS = 2.092

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 8.48%

YIELD ERROR 16.44%

F2 = 1.200

ASH 26.56%

ASH ERROR 14.96%

PREDICTED REJECTS 91.52%

ORGANIC EFFICIENCY 34.03%

PD = 1.350

ASH 62.21%

EP = 1.789

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	Z OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321	1.350	.70	.70	5.35	5.35	51.95	.36
1.350	1.400	1.39	2.09	10.23	8.00	46.51	.65
1.400	1.450	1.24	3.33	14.70	10.87	39.51	.49
1.450	1.500	3.90	7.22	15.65	13.45	32.26	1.26
1.500	1.550	1.64	8.87	27.67	16.09	26.92	.44
1.550	1.600	2.18	11.04	38.51	20.50	22.30	.49
1.600	1.650	2.74	13.78	41.20	24.62	18.11	.50
1.650	1.700	2.63	16.41	41.93	27.39	14.81	.39
1.700	1.750	1.55	17.96	44.12	28.83	11.85	.18
1.750	1.800	1.64	19.60	47.25	30.38	9.40	.15
1.800	1.850	2.91	22.51	49.68	32.87	7.67	.22
1.850	1.900	3.34	25.85	52.20	35.37	6.44	.22
1.900	1.950	3.69	29.54	54.67	37.78	5.35	.20
1.950	2.000	3.97	33.51	57.10	40.07	4.18	.17
2.000	2.050	4.20	37.71	59.52	42.24	3.08	.13
2.050	2.100	4.37	42.09	61.96	44.29	2.14	.09
2.100	2.150	4.50	46.52	64.44	46.23	1.39	.06
2.150	2.200	4.60	51.19	66.98	48.10	.72	.03
2.200	2.250	4.69	55.88	69.62	49.90	.08	.00
2.250	2.300	4.74	60.62	72.38	51.66	.00	.00
2.300	2.350	4.80	65.42	75.28	53.40	.00	.00
2.350	2.400	4.88	70.31	78.25	55.12	.00	.00
2.400	2.450	5.00	75.31	81.25	56.86	.00	.00
2.450	2.500	5.16	80.47	84.20	58.61	.00	.00
2.500	2.550	5.38	85.85	87.06	60.39	.00	.00
2.550	2.600	5.67	91.52	89.75	62.21	.00	.00

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.092

AVERAGE S.G. FLOATS = 1.592

AVERAGE S.G. SINKS = 2.127

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

F2 = 1.200

PD = 1.350

EP = .1789

PREDICTED YIELD 6.03%

ASH 30.03%

PREDICTED REJECTS 85.49%

ASH 64.48%

YIELD ERROR 13.20%

ASH ERROR 17.37%

ORGANIC EFFICIENCY 31.36%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321 1.350	1.45	1.45	5.35	5.35	57.79	.84	.61
1.350 1.400	2.60	4.05	10.23	8.48	52.99	1.38	1.22
1.400 1.450	2.05	6.10	14.70	10.57	46.88	.96	1.09
1.450 1.500	5.75	11.85	15.65	13.03	40.65	2.34	3.41
1.500 1.550	2.25	14.10	27.67	15.37	34.16	.77	1.48
1.550 1.600	2.80	16.90	38.51	19.20	28.65	.80	2.00
1.600 1.650	3.35	20.25	41.20	22.84	24.64	.82	2.52
1.650 1.700	3.08	23.33	41.93	25.36	20.45	.63	2.45
1.700 1.750	1.76	25.09	44.12	26.68	17.09	.30	1.46
1.750 1.800	1.81	26.90	47.25	28.06	14.22	.26	1.56
1.800 1.850	3.15	30.05	49.68	30.33	11.64	.37	2.79
1.850 1.900	3.57	33.62	52.20	32.65	9.46	.34	3.23
1.900 1.950	3.90	37.52	54.67	34.94	7.88	.31	3.59
1.950 2.000	4.15	41.66	57.10	37.14	6.72	.28	3.87
2.000 2.050	4.33	46.00	59.52	39.25	5.75	.25	4.09
2.050 2.100	4.47	50.47	61.96	41.26	4.72	.21	4.26
2.100 2.150	4.57	55.04	64.44	43.19	3.70	.17	4.40
2.150 2.200	4.64	59.67	66.98	45.04	2.76	.13	4.51
2.200 2.250	4.69	64.36	69.62	46.83	1.97	.09	4.60
2.250 2.300	4.74	69.10	72.38	48.58	1.32	.06	4.68
2.300 2.350	4.80	73.90	75.28	50.32	.72	.03	4.77
2.350 2.400	4.88	78.79	78.25	52.05	.13	.01	4.88
2.400 2.450	5.00	83.79	81.25	53.79	.00	.00	5.00
2.450 2.500	5.16	88.95	84.20	55.55	.00	.00	5.16
2.500 2.550	5.38	94.33	87.06	57.35	.00	.00	5.38
2.550 2.600	5.67	100.00	89.75	59.19	.00	.00	5.67

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.047

AVERAGE S.G. FLOATS = 1.596

AVERAGE S.G. SINKS = 2.104

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 11.34%

YIELD ERROR 17.88%

F2 = 1.200

ASH 29.74%

ASH ERROR 16.92%

PREDICTED REJECTS 88.66%

ORGANIC EFFICIENCY 38.81%

PD = 1.400

ASH 62.96%

EP = 2.006

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321	1.350	.61	.61	5.35	57.79	.35	.26
1.350	1.400	1.22	1.83	10.23	52.99	.65	.57
1.400	1.450	1.09	2.92	14.70	46.88	.51	.58
1.450	1.500	3.41	6.34	15.65	40.65	1.39	2.03
1.500	1.550	1.48	7.82	27.67	34.16	.51	.98
1.550	1.600	2.00	9.81	38.51	28.65	.57	1.43
1.600	1.650	2.52	12.34	41.20	24.64	.62	1.90
1.650	1.700	2.45	14.79	41.93	20.45	.50	1.95
1.700	1.750	1.46	16.25	44.12	17.09	.25	1.21
1.750	1.800	1.56	17.80	47.25	14.22	.22	1.33
1.800	1.850	2.72	20.52	49.68	11.64	.32	2.44
1.850	1.900	3.23	23.82	52.20	9.46	.31	2.93
1.900	1.950	3.59	27.41	54.67	7.88	.28	3.31
1.950	2.000	3.87	31.28	57.10	6.72	.26	3.61
2.000	2.050	4.09	35.36	59.52	5.75	.23	3.85
2.050	2.100	4.26	39.62	61.96	4.72	.20	4.06
2.100	2.150	4.40	44.02	64.44	3.70	.16	4.24
2.150	2.200	4.51	48.53	66.98	2.76	.12	4.38
2.200	2.250	4.60	53.12	69.62	1.97	.09	4.51
2.250	2.300	4.68	57.80	72.38	1.32	.06	4.62
2.300	2.350	4.77	62.57	75.28	.72	.03	4.73
2.350	2.400	4.88	67.45	78.25	.13	.01	4.87
2.400	2.450	5.00	72.45	81.25	.00	.00	5.00
2.450	2.500	5.16	77.61	84.20	.00	.00	5.16
2.500	2.550	5.38	82.99	87.06	.00	.00	5.38
2.550	2.600	5.67	88.66	89.75	.00	.00	5.67

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.104

AVERAGE S.G. FLOATS = 1.652

AVERAGE S.G. SINKS = 2.147

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

PREDICTED YIELD 7.66%

YIELD ERROR 14.26%

F2 = 1.200

ASH 34.38%

ASH ERROR 18.53%

PREDICTED REJECTS 81.00%

ORGANIC EFFICIENCY 34.94%

PD = 1.400

ASH 65.66%

EP = .2006

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 2Bx100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321	1.350	1.45	5.35	5.35	69.21	1.01	.45
1.350	1.400	2.60	10.23	8.48	63.70	1.65	.94
1.400	1.450	2.05	14.70	10.57	57.42	1.18	.87
1.450	1.500	5.75	15.65	13.03	52.47	3.02	2.73
1.500	1.550	2.25	14.10	27.67	47.44	1.07	1.18
1.550	1.600	2.80	38.51	19.20	42.32	1.19	1.62
1.600	1.650	3.35	41.20	22.84	37.10	1.24	2.11
1.650	1.700	3.08	41.93	25.36	31.84	.98	2.10
1.700	1.750	1.76	44.12	26.68	27.82	.49	1.27
1.750	1.800	1.81	47.25	28.06	24.56	.45	1.37
1.800	1.850	3.15	49.68	30.33	21.08	.66	2.49
1.850	1.900	3.57	52.20	32.65	18.13	.65	2.92
1.900	1.950	3.90	54.67	34.94	15.68	.61	3.28
1.950	2.000	4.15	57.10	37.14	13.40	.56	3.59
2.000	2.050	4.33	59.52	39.25	11.33	.49	3.84
2.050	2.100	4.47	61.96	41.26	9.56	.43	4.04
2.100	2.150	4.57	64.44	43.19	8.19	.37	4.19
2.150	2.200	4.64	66.98	45.04	7.15	.33	4.30
2.200	2.250	4.69	69.62	46.83	6.31	.30	4.39
2.250	2.300	4.74	72.38	48.58	5.52	.26	4.48
2.300	2.350	4.80	75.28	50.32	4.66	.22	4.58
2.350	2.400	4.88	78.79	52.05	3.82	.19	4.70
2.400	2.450	5.00	81.25	53.79	3.03	.15	4.85
2.450	2.500	5.16	88.95	55.55	2.33	.12	5.04
2.500	2.550	5.38	87.06	57.35	1.73	.09	5.29
2.550	2.600	5.67	89.75	59.19	1.22	.07	5.60

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.047

AVERAGE S.G. FLOATS = 1.684

AVERAGE S.G. SINKS = 2.125

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 17.77%

YIELD ERROR 21.64%

F2 = 1.200

ASH 35.94%

ASH ERROR 15.80%

PREDICTED REJECTS 82.23%

ORGANIC EFFICIENCY 45.09%

PD = 1.500

ASH 64.21%

EP = .2442

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321	1.350	.45	.45	5.35	5.35	69.21	.31
1.350	1.400	.94	1.39	10.23	8.06	63.70	.60
1.400	1.450	.87	2.26	14.70	10.99	57.42	.50
1.450	1.500	2.73	5.00	15.65	13.54	52.47	1.43
1.500	1.550	1.18	6.18	27.67	16.24	47.44	.56
1.550	1.600	1.62	7.79	38.51	20.86	42.32	.68
1.600	1.650	2.11	9.90	41.20	25.18	37.10	.78
1.650	1.700	2.10	12.00	41.93	28.12	31.84	.67
1.700	1.750	1.27	13.27	44.12	29.65	27.82	.35
1.750	1.800	1.37	14.64	47.25	31.29	24.56	.34
1.800	1.850	2.49	17.13	49.68	33.96	21.08	.52
1.850	1.900	2.92	20.05	52.20	36.62	18.13	.53
1.900	1.950	3.28	23.33	54.67	39.16	15.68	.52
1.950	2.000	3.59	26.92	57.10	41.56	13.40	.48
2.000	2.050	3.84	30.77	59.52	43.80	11.33	.44
2.050	2.100	4.04	34.81	61.96	45.91	9.56	.39
2.100	2.150	4.19	39.00	64.44	47.90	8.19	.34
2.150	2.200	4.30	43.31	66.98	49.80	7.15	.31
2.200	2.250	4.39	47.70	69.62	51.62	6.31	.28
2.250	2.300	4.48	52.18	72.38	53.41	5.52	.25
2.300	2.350	4.58	56.76	75.28	55.17	4.66	.21
2.350	2.400	4.70	61.45	78.25	56.93	3.82	.18
2.400	2.450	4.85	66.30	81.25	58.71	3.03	.15
2.450	2.500	5.04	71.34	84.20	60.51	2.33	.12
2.500	2.550	5.29	76.63	87.06	62.34	1.73	.09
2.550	2.600	5.60	82.23	89.75	64.21	1.22	.07

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.125

AVERAGE S.G. FLOATS = 1.778

AVERAGE S.G. SINKS = 2.179

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

F2 = 1.200

PD = 1.500

EP = .2442

PREDICTED YIELD 11.09%

ASH 42.94%

PREDICTED REJECTS 71.14%

ASH 67.53%

YIELD ERROR 18.19%

ASH ERROR 16.08%

ORGANIC EFFICIENCY 37.88%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321	1.350	1.45	1.45	5.35	75.48	1.10	.36
1.350	1.400	2.60	4.05	10.23	72.14	1.87	.72
1.400	1.450	2.05	6.10	14.70	67.09	1.38	.67
1.450	1.500	5.75	11.85	15.65	61.07	3.51	2.24
1.500	1.550	2.25	14.10	27.67	56.23	1.27	.98
1.550	1.600	2.80	16.90	38.51	19.20	1.46	1.34
1.600	1.650	3.35	20.25	41.20	22.84	1.60	1.75
1.650	1.700	3.08	23.33	41.93	25.36	1.34	1.74
1.700	1.750	1.76	25.09	44.12	26.68	.69	1.07
1.750	1.800	1.81	26.90	47.25	28.06	.63	1.19
1.800	1.850	3.15	30.05	49.68	30.37	.96	2.20
1.850	1.900	3.57	33.62	52.20	27.28	.97	2.60
1.900	1.950	3.96	37.52	54.67	24.51	.95	2.94
1.950	2.000	4.15	41.66	57.10	37.14	.89	3.25
2.000	2.050	4.33	46.00	59.52	39.25	.82	3.51
2.050	2.100	4.47	50.47	61.96	41.26	.75	3.72
2.100	2.150	4.57	55.04	64.44	43.19	.67	3.89
2.150	2.200	4.64	59.67	66.98	45.04	.66	4.04
2.200	2.250	4.69	64.36	69.62	46.83	.52	4.17
2.250	2.300	4.74	69.10	72.38	48.58	.46	4.28
2.300	2.350	4.80	73.90	75.28	50.32	.40	4.40
2.350	2.400	4.88	78.79	78.25	52.05	.37	4.52
2.400	2.450	5.00	83.79	81.25	53.79	.34	4.66
2.450	2.500	5.16	88.95	84.20	55.55	.31	4.85
2.500	2.550	5.38	94.33	87.06	57.35	.29	5.09
2.550	2.600	5.67	100.00	89.75	59.19	.26	5.41

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.047

AVERAGE S.G. FLOATS = 1.749

AVERAGE S.G. SINKS = 2.143

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 24.40%

YIELD ERROR 24.00%

F2 = 1.200

ASH 40.33%

ASH ERROR 14.17%

PREDICTED REJECTS 75.60%

ORGANIC EFFICIENCY 50.41%

PD = 1.600

ASH 65.27%

EP = .2878

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 845

DATA SET NAME: HT CRK XY 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.321	1.350	.36	.36	5.35	5.35	75.48	.27
1.350	1.400	.72	1.08	10.23	8.02	72.14	.52
1.400	1.450	.67	1.75	14.70	10.96	67.09	.45
1.450	1.500	2.24	3.99	15.65	13.59	61.07	1.37
1.500	1.550	.98	4.98	27.67	16.37	56.23	.55
1.550	1.600	1.34	6.32	38.51	21.07	52.10	.70
1.600	1.650	1.75	8.07	41.20	25.43	47.83	.84
1.650	1.700	1.74	9.81	41.93	28.36	43.48	.76
1.700	1.750	1.07	10.88	44.12	29.91	39.13	.42
1.750	1.800	1.19	12.06	47.25	31.62	34.55	.41
1.800	1.850	2.20	14.26	49.68	34.40	30.37	.67
1.850	1.900	2.60	16.85	52.20	37.14	27.28	.71
1.900	1.950	2.84	19.80	54.67	39.74	24.51	.72
1.950	2.000	3.25	23.05	57.10	42.19	21.53	.70
2.000	2.050	3.51	26.56	59.52	44.49	18.91	.66
2.050	2.100	3.72	30.29	61.96	46.63	16.72	.62
2.100	2.150	3.82	34.18	64.44	48.66	14.72	.57
2.150	2.200	4.04	38.22	66.98	50.60	12.84	.52
2.200	2.250	4.17	42.39	69.62	52.47	11.13	.46
2.250	2.300	4.28	46.67	72.38	54.30	9.63	.41
2.300	2.350	4.40	51.07	75.28	56.10	8.43	.37
2.350	2.400	4.52	55.59	78.25	57.90	7.49	.34
2.400	2.450	4.64	60.25	81.25	59.71	6.71	.31
2.450	2.500	4.85	65.10	84.20	61.54	6.03	.29
2.500	2.550	5.09	70.20	87.06	63.39	5.36	.27
2.550	2.600	5.41	75.60	89.75	65.27	4.62	.25

HEAD ASH OF WASHABILITY DATA = 59.17

AVERAGE S.G. FEED = 2.143

AVERAGE S.G. FLOATS = 1.870

AVERAGE S.G. SINKS = 2.205

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

F2 = 1.200

PD = 1.600

EP = .2878

PREDICTED YIELD 14.17%

ASH 48.91%

PREDICTED REJECTS 61.43%

ASH 69.05%

YIELD ERROR 20.52%

ASH ERROR 14.62%

ORGANIC EFFICIENCY 40.86%

** 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	98.24	5.03
1.300	1.350	19.17	24.29	11.18	9.91	95.66	18.34
1.350	1.400	18.17	42.46	19.02	13.81	87.36	15.87
1.400	1.450	11.54	54.00	25.78	16.37	74.08	8.55
1.450	1.500	8.62	62.62	33.05	18.66	58.08	5.01
1.500	1.550	4.81	67.43	43.90	20.46	42.31	2.03
1.550	1.600	4.24	71.67	53.90	22.44	28.93	1.23
1.600	1.650	3.28	74.95	60.32	24.10	18.76	.62
1.650	1.700	2.83	77.78	65.99	25.63	11.65	.33
1.700	1.750	3.17	80.95	70.83	27.39	6.99	.22
1.750	1.800	3.12	84.07	74.14	29.13	4.08	.13
1.800	1.850	2.60	86.67	76.36	30.54	2.33	.06
1.850	1.900	2.38	89.05	77.60	31.80	1.30	.03
1.900	1.950	2.12	91.17	78.19	32.88	.72	.02
1.950	2.000	1.82	92.99	78.43	33.77	.40	.01
2.000	2.050	1.49	94.48	78.60	34.48	.22	.00
2.050	2.100	1.17	95.64	78.98	35.02	.12	.00
2.100	2.150	.85	96.49	79.88	35.42	.06	.00
2.150	2.200	.56	97.05	81.05	35.68	.03	.00
2.200	2.250	.32	97.37	82.05	35.83	.02	.00
2.250	2.300	.14	97.51	82.92	35.90	.01	.00
2.300	2.350	.03	97.54	83.71	35.91	.01	.00
2.350	2.400	.02	97.56	84.94	35.92	.00	.00
2.400	2.450	.12	97.69	85.89	35.99	.00	.00
2.450	2.500	.35	98.03	87.02	36.17	.00	.00
2.500	2.550	.72	98.75	88.40	36.55	.00	.00
2.550	2.600	1.25	100.00	90.10	37.22	.00	.00

HEAD ASH OF WASHABILITY DATA = 37.25

AVERAGE S.G. FEED = 1.539

AVERAGE S.G. FLOATS = 1.385

AVERAGE S.G. SINKS = 1.747

PROCESS: BAUM JIG

SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.136 PREDICTED YIELD 57.47%

F2 = 1.250

ASH 20.31%

YIELD ERROR 9.55%

ASH ERROR 3.02%

PREDICTED REJECTS 42.53%

ORGANIC EFFICIENCY 85.74%

PR = 1.500

ASH 60.06%

EP = .0850

** 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	99.77	5.11	.01
1.300 1.350	19.17	24.29	11.18	9.91	99.26	19.03	.14
1.350 1.400	18.17	42.46	19.02	13.81	96.91	17.61	.56
1.400 1.450	11.54	54.00	25.78	16.37	91.48	10.56	.98
1.450 1.500	8.62	62.62	33.05	18.66	82.34	7.10	1.52
1.500 1.550	4.81	67.43	43.90	20.46	70.22	3.38	1.43
1.550 1.600	4.24	71.67	53.90	22.44	56.72	2.41	1.84
1.600 1.650	3.28	74.95	60.32	24.10	43.56	1.43	1.85
1.650 1.700	2.83	77.78	65.99	25.63	31.99	.91	1.93
1.700 1.750	3.17	80.95	70.83	27.39	22.60	.72	2.45
1.750 1.800	3.12	84.07	74.14	29.13	15.45	.48	2.64
1.800 1.850	2.60	86.67	76.36	30.54	10.28	.27	2.33
1.850 1.900	2.38	89.05	77.60	31.00	6.69	.16	2.22
1.900 1.950	2.12	91.17	78.19	32.88	4.27	.09	2.03
1.950 2.000	1.82	92.99	78.43	33.77	2.68	.05	1.77
2.000 2.050	1.49	94.48	78.60	34.48	1.66	.02	1.47
2.050 2.100	1.17	95.64	78.98	35.02	1.02	.01	1.15
2.100 2.150	.85	96.49	79.88	35.42	.62	.01	.84
2.150 2.200	.56	97.05	81.05	35.68	.38	.00	.56
2.200 2.250	.32	97.37	82.05	35.83	.23	.00	.32
2.250 2.300	.14	97.51	82.92	35.90	.14	.00	.14
2.300 2.350	.03	97.54	83.71	35.91	.08	.00	.03
2.350 2.400	.02	97.56	84.94	35.92	.05	.00	.02
2.400 2.450	.12	97.69	85.89	35.99	.03	.00	.12
2.450 2.500	.35	98.03	87.02	36.17	.02	.00	.35
2.500 2.550	.72	98.75	88.40	36.55	.01	.00	.72
2.550 2.600	1.25	100.00	90.10	37.22	.01	.00	1.25

HEAD ASH OF WASHABILITY DATA = 37.25

AVERAGE S.G. FEED = 1.539

AVERAGE S.G. FLOATS = 1.407

AVERAGE S.G. SINKS = 1.838

PROCESS: BAUM JIG

SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.136 PREDICTED YIELD 69.33%
F2 = 1.250 ASH 23.63%

PREDICTED REJECTS 30.67%
ASH 67.92%

YIELD ERROR 4.70%

ASH ERROR 2.28%

ORGANIC EFFICIENCY 93.65%

PD = 1.600

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	1.76
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%

F2 = 1.250

ASH 26.65%

YIELD ERROR 2.40%

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	.00
1.300 1.350	19.17	24.29	11.18	9.91	99.98	19.17	.00
1.350 1.400	18.17	42.46	19.02	13.81	99.87	18.14	.02
1.400 1.450	11.54	54.00	25.78	16.37	99.40	11.47	.07
1.450 1.500	8.62	62.62	33.05	18.64	98.09	8.46	.16
1.500 1.550	4.81	67.43	43.90	20.46	95.30	4.58	.23
1.550 1.600	4.24	71.67	53.90	22.44	90.53	3.84	.40
1.600 1.650	3.28	74.95	60.32	24.10	83.67	2.74	.54
1.650 1.700	2.83	77.78	65.99	25.63	75.02	2.13	.71
1.700 1.750	3.17	80.95	70.83	27.39	65.22	2.07	1.10
1.750 1.800	3.12	84.07	74.14	29.13	55.02	1.72	1.40
1.800 1.850	2.60	86.67	76.36	30.54	45.13	1.17	1.42
1.850 1.900	2.38	89.05	77.60	31.80	36.09	.86	1.52
1.900 1.950	2.12	91.17	78.19	32.88	28.20	.60	1.52
1.950 2.000	1.82	92.99	78.43	33.77	21.59	.39	1.42
2.000 2.050	1.49	94.48	78.60	34.48	16.23	.24	1.25
2.050 2.100	1.17	95.64	78.98	35.02	12.01	.14	1.03
2.100 2.150	.85	96.49	79.88	35.42	8.77	.07	.77
2.150 2.200	.56	97.05	81.05	35.68	6.33	.04	.53
2.200 2.250	.32	97.37	82.05	35.83	4.52	.01	.30
2.250 2.300	.14	97.51	82.92	35.90	3.20	.00	.13
2.300 2.350	.03	97.54	83.71	35.91	2.24	.00	.03
2.350 2.400	.02	97.56	84.94	35.92	1.57	.00	.02
2.400 2.450	.12	97.69	85.89	35.99	1.09	.00	.12
2.450 2.500	.35	98.03	87.02	36.17	.75	.00	.35
2.500 2.550	.72	98.75	88.40	36.55	.52	.00	.71
2.550 2.600	1.25	100.00	90.10	37.22	.35	.00	1.24

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%

F2 = 1.250 ASH 29.21%

PREDICTED REJECTS 17.02%

PD = 1.800 ASH 76.25%

EP = .1360

YIELD ERROR 1.24%

ASH ERROR .69%

ORGANIC EFFICIENCY 98.53%

** 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	96.67	4.37	.15
1.300 1.350	15.78	20.30	10.64	9.70	93.79	14.80	.98
1.350 1.400	12.50	32.80	17.67	12.74	86.84	10.85	1.64
1.400 1.450	9.75	42.55	25.15	15.58	77.44	7.55	2.20
1.450 1.500	8.15	50.70	33.56	18.47	66.58	5.43	2.72
1.500 1.550	5.34	56.04	42.20	20.73	55.41	2.96	2.38
1.550 1.600	4.91	60.95	50.23	23.11	44.83	2.20	2.71
1.600 1.650	4.29	65.24	56.20	25.29	35.44	1.52	2.77
1.650 1.700	4.07	69.31	61.56	27.42	27.48	1.12	2.95
1.700 1.750	4.34	73.65	66.35	29.71	20.98	.91	3.43
1.750 1.800	4.15	77.80	70.22	31.87	15.82	.66	3.49
1.800 1.850	3.18	80.98	73.41	33.50	11.81	.38	2.81
1.850 1.900	2.39	83.37	76.02	34.72	8.74	.21	2.18
1.900 1.950	1.80	85.17	78.21	35.64	6.44	.12	1.68
1.950 2.000	1.37	86.55	80.11	36.35	4.72	.06	1.31
2.000 2.050	1.10	87.64	81.90	36.92	3.44	.04	1.06
2.050 2.100	.95	88.59	83.73	37.42	2.51	.02	.92
2.100 2.150	.89	89.48	85.35	37.90	1.82	.02	.88
2.150 2.200	.92	90.40	86.60	38.39	1.33	.01	.91
2.200 2.250	.99	91.39	87.55	38.92	.96	.01	.99
2.250 2.300	1.10	92.49	88.25	39.51	.70	.01	1.09
2.300 2.350	1.21	93.71	88.77	40.15	.51	.01	1.21
2.350 2.400	1.31	95.02	89.16	40.82	.37	.00	1.30
2.400 2.450	1.36	96.38	89.49	41.51	.27	.00	1.36
2.450 2.500	1.35	97.72	89.82	42.18	.20	.00	1.34
2.500 2.550	1.25	98.97	90.20	42.78	.14	.00	1.24
2.550 2.600	1.03	100.00	90.68	43.28	.11	.00	1.03

HEAD ASH OF WASHABILITY DATA = 43.35

AVERAGE S.G. FEED = 1.620

AVERAGE S.G. FLOATS = 1.422

AVERAGE S.G. SINKS = 1.846

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 53.26%

F2 = 1.250 ASH 24.68%

PREDICTED REJECTS 46.74%

PD = 1.550 ASH 64.47%

EP = .1272

YIELD ERROR 10.78%

ASH ERROR 5.12%

ORGANIC EFFICIENCY 83.17%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 823

DATA SET NAME: HT CR X&Y 1/2x1/4

DATE: 13 DEC 77

W A S H A B I L I T Y D A T A

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	98.99	4.48	.05
1.300	1.350	15.78	20.30	10.64	9.70	97.86	15.44	.34
1.350	1.400	12.50	32.80	17.67	12.74	94.60	11.82	.67
1.400	1.450	9.75	42.55	25.15	15.58	89.28	8.70	1.05
1.450	1.500	8.15	50.70	33.56	18.47	82.03	6.69	1.46
1.500	1.550	5.34	56.04	42.20	20.73	73.37	3.92	1.42
1.550	1.600	4.91	60.95	50.23	23.11	63.99	3.14	1.77
1.600	1.650	4.29	65.24	56.20	25.29	54.56	2.34	1.95
1.650	1.700	4.07	69.31	61.56	27.42	45.61	1.85	2.21
1.700	1.750	4.34	73.65	66.35	29.71	37.49	1.63	2.72
1.750	1.800	4.15	77.80	70.22	31.87	30.37	1.26	2.89
1.800	1.850	3.18	80.98	73.41	33.50	24.30	.77	2.41
1.850	1.900	2.39	83.37	76.02	34.72	19.26	.46	1.93
1.900	1.950	1.80	85.17	78.21	35.64	15.13	.27	1.53
1.950	2.000	1.37	86.55	80.11	36.35	11.81	.16	1.21
2.000	2.050	1.10	87.64	81.90	36.92	9.16	.10	1.00
2.050	2.100	.95	88.59	83.73	37.42	7.08	.07	.88
2.100	2.150	.89	89.48	85.35	37.90	5.45	.05	.84
2.150	2.200	.92	90.40	86.60	38.39	4.18	.04	.88
2.200	2.250	.99	91.39	87.55	38.92	3.20	.03	.96
2.250	2.300	1.10	92.49	88.25	39.51	2.45	.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	1.43	.02	1.29
2.400	2.450	1.36	96.38	89.49	41.51	1.09	.01	1.35
2.450	2.500	1.35	97.72	89.82	42.18	.83	.01	1.34
2.500	2.550	1.25	98.97	90.20	42.78	.63	.01	1.24
2.550	2.600	1.03	100.00	90.68	43.28	.48	.00	1.03

HEAD ASH OF WASHABILITY DATA = 43.35

AVERAGE S.G. FEED = 1.620

AVERAGE S.G. FLOATS = 1.447

AVERAGE S.G. SINKS = 1.919

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4.

IMPERFECTION = 0.185	PREDICTED YIELD	63.34%
F2 = 1.250	ASH	27.95%

FR	=	1.250	ASH	27.95%
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PREDICTED REJECTS 36.66%

PD = 1.650 ASH 69.75%

$$E^P = 1503$$

YIELD ERROR 6.99%

ASH ERROR 3.63%

ORGANIC EFFICIENCY 90.06%

ASH	69.75%
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** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 023

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%
F2 = 1.250 ASH 30.75%

YIELD ERROR 4.68%

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: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	4.03	4.03	98.01	3.45	.07
1.300	1.350	11.01	7.08	6.34	96.28	10.60	.41
1.350	1.400	10.12	11.69	8.54	92.16	9.32	.79
1.400	1.450	8.80	16.43	10.61	86.29	7.59	1.21
1.450	1.500	9.40	21.48	13.00	79.03	7.43	1.97
1.500	1.550	5.36	28.35	14.71	70.87	3.80	1.56
1.550	1.600	5.59	34.21	16.73	62.38	3.49	2.10
1.600	1.650	4.92	37.35	18.46	54.02	2.66	2.26
1.650	1.700	4.13	39.88	19.87	46.13	1.91	2.23
1.700	1.750	3.01	43.19	20.93	38.93	1.17	1.84
1.750	1.800	2.83	47.02	22.01	32.54	.92	1.91
1.800	1.850	3.04	50.63	23.22	26.97	.82	2.22
1.850	1.900	2.50	54.50	24.28	22.21	.55	1.94
1.900	1.950	2.10	58.36	25.21	18.19	.38	1.72
1.950	2.000	1.83	62.15	26.08	14.83	.27	1.56
2.000	2.050	1.68	65.78	26.91	12.05	.20	1.48
2.050	2.100	1.61	69.17	27.75	9.77	.16	1.46
2.100	2.150	1.62	72.24	28.62	7.90	.13	1.49
2.150	2.200	1.68	74.96	29.54	6.38	.11	1.57
2.200	2.250	1.77	77.44	30.52	5.14	.09	1.68
2.250	2.300	1.87	79.70	31.56	4.14	.08	1.79
2.300	2.350	1.97	81.77	32.65	3.34	.07	1.90
2.350	2.400	2.03	83.68	33.77	2.69	.05	1.98
2.400	2.450	2.06	85.45	34.90	2.16	.04	2.01
2.450	2.500	2.01	87.11	35.99	1.74	.04	1.98
2.500	2.550	1.88	88.69	36.99	1.41	.03	1.85
2.550	2.600	1.64	90.22	37.87	1.13	.02	1.63

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.473

AVERAGE S.G. SINKS = 1.979

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 28M

IMPERFECTION = 0.210 PREDICTED YIELD 55.38%

F2 = 1.250 ASH 21.04%

PREDICTED REJECTS 44.62% ORGANIC EFFICIENCY 83.74%

PD = 1.650 ASH 58.76%

EP = 1.706

YIELD ERROR 10.76%

ASH ERROR 3.75%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	4.03	4.03	99.23	3.50	.03
1.300	1.350	11.01	7.08	6.34	98.43	10.84	.17
1.350	1.400	10.12	11.69	8.54	96.28	9.74	.38
1.400	1.450	8.80	16.43	10.61	92.81	8.17	.63
1.450	1.500	9.40	21.48	13.00	88.01	8.27	1.13
1.500	1.550	5.36	28.35	14.71	82.07	4.40	.96
1.550	1.600	5.59	34.21	16.73	75.30	4.21	1.38
1.600	1.650	4.92	37.35	18.46	68.06	3.35	1.57
1.650	1.700	4.13	42.85	19.87	60.69	2.51	1.62
1.700	1.750	3.01	43.19	20.93	53.48	1.61	1.40
1.750	1.800	2.83	47.02	22.01	46.64	1.32	1.51
1.800	1.850	3.04	50.63	23.22	40.31	1.23	1.82
1.850	1.900	2.50	54.50	24.28	34.58	.06	1.63
1.900	1.950	2.10	58.36	25.21	29.47	.62	1.48
1.950	2.000	1.83	62.15	26.08	24.98	.46	1.38
2.000	2.050	1.68	65.78	26.91	21.07	.35	1.32
2.050	2.100	1.61	69.17	27.75	17.71	.29	1.33
2.100	2.150	1.62	72.24	28.62	14.83	.24	1.38
2.150	2.200	1.68	74.96	29.54	12.39	.21	1.47
2.200	2.250	1.77	77.44	30.52	10.33	.18	1.59
2.250	2.300	1.87	79.70	31.56	8.60	.16	1.71
2.300	2.350	1.97	81.77	32.65	7.15	.14	1.83
2.350	2.400	2.03	83.68	33.77	5.93	.12	1.91
2.400	2.450	2.06	85.46	34.90	4.92	.10	1.96
2.450	2.500	2.01	87.11	35.99	4.08	.08	1.93
2.500	2.550	1.88	88.69	36.99	3.39	.06	1.82
2.550	2.600	1.64	90.22	37.87	2.81	.05	1.60

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.499

AVERAGE S.G. SINKS = 2.039

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 28M

IMPERFECTION = 0.210 PREDICTED YIELD 63.07%

F2 = 1.250 ASH 23.25%

PREDICTED REJECTS 36.93%

PD = 1.750 ASH 62.84%

EP = .1969

YIELD ERROR 8.73%

ASH ERROR 3.30%

ORGANIC EFFICIENCY 87.84%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 843

DATA SET NAME: HT CRK XY 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	3.52	3.52	4.03	4.03	99.70	3.51
1.300	1.350	11.01	14.53	7.08	6.24	99.33	10.94
1.350	1.400	10.12	24.65	11.69	8.54	98.24	9.94
1.400	1.450	8.80	33.45	16.43	10.61	96.28	8.47
1.450	1.500	9.40	42.85	21.48	13.00	93.29	8.77
1.500	1.550	5.36	48.21	28.35	14.71	89.26	4.79
1.550	1.600	5.59	53.80	34.21	16.73	84.28	4.71
1.600	1.650	4.92	58.72	37.35	18.46	78.56	3.87
1.650	1.700	4.13	62.85	39.88	19.87	72.35	2.99
1.700	1.750	3.01	65.87	43.19	20.93	65.89	1.99
1.750	1.800	2.83	68.70	47.02	22.01	59.40	1.68
1.800	1.850	3.04	71.74	50.63	23.22	53.06	1.61
1.850	1.900	2.50	74.24	54.50	24.28	47.03	1.17
1.900	1.950	2.10	76.34	58.36	25.21	41.39	.87
1.950	2.000	1.83	78.17	62.15	26.08	36.20	.66
2.000	2.050	1.68	79.85	65.78	26.91	31.50	.53
2.050	2.100	1.61	81.47	69.17	27.75	27.28	.44
2.100	2.150	1.62	83.09	72.24	28.62	23.53	.38
2.150	2.200	1.68	84.77	74.96	29.54	20.23	.34
2.200	2.250	1.77	86.53	77.44	30.52	17.34	.31
2.250	2.300	1.87	88.41	79.70	31.56	14.83	.28
2.300	2.350	1.97	90.37	81.77	32.65	12.66	.25
2.350	2.400	2.03	92.41	83.68	33.77	10.79	.22
2.400	2.450	2.06	94.46	85.45	34.90	9.18	.19
2.450	2.500	2.01	96.48	87.11	35.99	7.80	.16
2.500	2.550	1.88	98.36	88.69	36.99	6.62	.12
2.550	2.600	1.64	100.00	90.22	37.87	5.62	.09

HEAD ASH OF WASHABILITY DATA = 37.94

AVERAGE S.G. FEED = 1.699

AVERAGE S.G. FLOATS = 1.524

AVERAGE S.G. SINKS = 2.092

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 28M

IMPERFECTION = 0.210 PREDICTED YIELD 69.28%
F2 = 1.250 ASH 25.27%

YIELD ERROR 7.18%

ASH ERROR 3.03%

PREDICTED REJECTS 30.72% ORGANIC EFFICIENCY 90.61%

PD = 1.850 ASH 66.29%

EP = 1.2231

** 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	10.10	8.08	8.08	90.17	9.10	.99
1.300 1.350	17.96	28.05	12.52	10.92	85.07	15.27	2.68
1.350 1.400	11.58	39.63	19.63	13.47	75.62	8.75	2.82
1.400 1.450	11.01	50.64	25.55	16.09	65.25	7.18	3.83
1.450 1.500	8.48	59.12	33.21	18.55	54.92	4.66	3.82
1.500 1.550	4.94	64.06	43.35	20.46	45.31	2.24	2.70
1.550 1.600	4.46	68.52	52.69	22.56	36.80	1.64	2.82
1.600 1.650	3.58	72.10	58.91	24.37	29.51	1.06	2.53
1.650 1.700	3.20	75.31	64.40	26.07	23.45	.75	2.45
1.700 1.750	3.51	78.82	69.19	27.99	18.50	.65	2.86
1.750 1.800	3.41	82.23	72.67	29.84	14.51	.50	2.92
1.800 1.850	2.73	84.96	75.20	31.30	11.34	.31	2.42
1.850 1.900	2.29	87.25	76.89	32.50	8.84	.20	2.09
1.900 1.950	1.88	89.13	77.97	33.46	6.88	.13	1.75
1.950 2.000	1.52	90.65	78.69	34.22	5.35	.08	1.44
2.000 2.050	1.20	91.85	79.29	34.80	4.16	.05	1.15
2.050 2.100	.93	92.78	80.01	35.26	3.23	.03	.90
2.100 2.150	.71	93.49	81.07	35.60	2.52	.02	.69
2.150 2.200	.54	94.03	82.35	35.87	1.96	.01	.53
2.200 2.250	.43	94.46	83.40	36.09	1.53	.01	.43
2.250 2.300	.39	94.85	84.27	36.29	1.19	.00	.38
2.300 2.350	.40	95.25	85.06	36.49	.93	.00	.40
2.350 2.400	.49	95.74	85.83	36.75	.73	.00	.48
2.400 2.450	.64	96.38	86.65	37.08	.57	.00	.64
2.450 2.500	.87	97.26	87.60	37.53	.45	.00	.87
2.500 2.550	1.18	98.43	88.76	38.14	.36	.00	1.17
2.550 2.600	1.57	100.00	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%

F2 = 1.000 ASH 23.11%

PREDICTED REJECTS 47.32%

PD = 1.500 ASH 56.61%

EP = 1.400

YIELD ERROR 16.93%

ASH ERROR 6.42%

ORGANIC EFFICIENCY 75.68%

DATA SET NUMBER: 827
DATA SET NAME: HAT CRK X&Y 4x1/4
DATE: 21 DEC 77

P R E D I C T I O N S

S.G.	% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION	FEED	OF	INST.	%	NUMBER	FEED	FEED
		FEED	ASH	ASH		FLOATS	SINKS
1.286	1.300	10.10	10.10	8.08	8.08	95.83	.42
1.300	1.350	17.96	28.05	12.52	10.92	93.05	1.25
1.350	1.400	11.58	39.63	19.63	13.47	87.16	1.49
1.400	1.450	11.01	50.64	25.55	16.09	79.73	2.23
1.450	1.500	8.48	59.12	33.21	18.55	71.35	2.43
1.500	1.550	4.94	64.06	43.35	20.46	62.63	1.85
1.550	1.600	4.46	68.52	52.69	22.56	54.09	2.05
1.600	1.650	3.58	72.10	58.91	24.37	46.08	1.93
1.650	1.700	3.20	75.31	64.40	26.07	38.81	1.96
1.700	1.750	3.51	78.82	69.19	27.99	32.40	2.37
1.750	1.800	3.41	82.23	72.67	29.84	26.84	2.50
1.800	1.850	2.73	84.96	75.20	31.30	22.11	2.13
1.850	1.900	2.29	87.25	76.89	32.50	18.13	1.87
1.900	1.950	1.88	89.13	77.97	33.46	14.81	1.60
1.950	2.000	1.52	90.65	78.69	34.22	12.07	1.34
2.000	2.050	1.20	91.85	79.29	34.80	9.81	1.08
2.050	2.100	.93	92.78	80.01	35.26	7.97	.85
2.100	2.150	.71	93.49	81.07	35.60	6.46	.66
2.150	2.200	.54	94.03	82.35	35.87	5.24	.51
2.200	2.250	.43	94.46	83.40	36.09	4.25	.42
2.250	2.300	.39	94.85	84.27	36.29	3.44	.37
2.300	2.350	.40	95.25	85.06	36.49	2.79	.39
2.350	2.400	.49	95.74	85.83	36.75	2.27	.48
2.400	2.450	.64	96.38	86.65	37.08	1.84	.63
2.450	2.500	.87	97.26	87.60	37.53	1.50	.86
2.500	2.550	1.18	98.43	88.76	38.14	1.22	1.16
2.550	2.600	1.57	100.00	90.20	38.96	.99	1.55

AVERAGE S.G. FEED	=	1.564
AVERAGE S.G. FLOATS	=	1.421
AVERAGE S.G. SINKS	=	1.814

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280

F2 = 1.000

PD = 1.600

$$EP = .1680$$

PREDICTED YIELD	63.61%
ASH	25.76%
PREDICTED REJECTS	36.39%
ASH	62.04%

YIELD ERROR 11.11%

ASH ERROR 5.47%

ORGANIC EFFICIENCY 85.13%

** 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	10.10	8.08	8.08	98.23	9.92	.18
1.300 1.350	17.96	28.05	12.52	10.92	96.80	17.38	.58
1.350 1.400	11.58	39.63	19.63	13.47	93.40	10.81	.76
1.400 1.450	11.01	50.64	25.55	16.09	88.57	9.75	1.26
1.450 1.500	8.48	59.12	33.21	18.55	82.53	7.00	1.48
1.500 1.550	4.94	64.06	43.35	20.46	75.62	3.74	1.20
1.550 1.600	4.46	68.52	52.69	22.56	68.25	3.04	1.42
1.600 1.650	3.58	72.10	58.91	24.37	60.77	2.18	1.41
1.650 1.700	3.20	75.31	64.40	26.07	53.50	1.71	1.49
1.700 1.750	3.51	78.82	69.19	27.99	46.63	1.64	1.87
1.750 1.800	3.41	82.23	72.67	29.84	40.30	1.38	2.04
1.800 1.850	2.73	84.96	75.20	31.30	34.59	.94	1.79
1.850 1.900	2.29	87.25	76.89	32.50	29.51	.68	1.61
1.900 1.950	1.88	89.13	77.97	33.46	25.06	.47	1.41
1.950 2.000	1.52	90.65	78.69	34.22	21.20	.32	1.20
2.000 2.050	1.20	91.85	79.29	34.80	17.87	.21	.99
2.050 2.100	.93	92.78	80.01	35.26	15.03	.14	.79
2.100 2.150	.71	93.49	81.07	35.60	12.61	.09	.62
2.150 2.200	.54	94.03	82.35	35.87	10.57	.06	.48
2.200 2.250	.43	94.46	83.40	36.09	8.84	.04	.40
2.250 2.300	.39	94.85	84.27	36.29	7.39	.03	.36
2.300 2.350	.40	95.25	85.06	36.49	6.18	.02	.38
2.350 2.400	.49	95.74	85.83	36.75	5.16	.03	.46
2.400 2.450	.64	96.38	86.65	37.08	4.31	.03	.62
2.450 2.500	.87	97.26	87.60	37.53	3.60	.03	.84
2.500 2.550	1.18	98.43	88.76	38.14	3.01	.04	1.14
2.550 2.600	1.57	100.00	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	10.10	8.08	8.08	99.24	10.02
1.300	1.350	17.96	28.05	12.52	10.92	98.52	17.69
1.350	1.400	11.58	39.63	19.63	13.47	96.63	11.19
1.400	1.450	11.01	50.64	25.55	16.09	93.65	10.31
1.450	1.500	8.48	59.12	33.21	18.55	89.58	7.60
1.500	1.550	4.94	64.06	43.35	20.46	84.53	4.18
1.550	1.600	4.46	68.52	52.69	22.56	78.72	3.51
1.600	1.650	3.58	72.10	58.91	24.37	72.43	2.60
1.650	1.700	3.20	75.31	64.40	26.07	65.91	2.11
1.700	1.750	3.51	78.82	69.19	27.99	59.39	2.08
1.750	1.800	3.41	82.23	72.67	29.84	53.05	1.81
1.800	1.850	2.73	84.96	75.20	31.30	47.04	1.28
1.850	1.900	2.29	87.25	76.89	32.50	41.44	.95
1.900	1.950	1.88	89.13	77.97	33.46	36.31	.68
1.950	2.000	1.52	90.65	78.69	34.22	31.66	.48
2.000	2.050	1.20	91.85	79.29	34.80	27.49	.33
2.050	2.100	.93	92.78	80.01	35.26	23.79	.22
2.100	2.150	.71	93.49	81.07	35.60	20.54	.15
2.150	2.200	.54	94.03	82.35	35.87	17.68	.10
2.200	2.250	.43	94.46	83.40	36.09	15.19	.07
2.250	2.300	.39	94.85	84.27	36.29	13.04	.05
2.300	2.350	.40	95.25	85.06	36.49	11.17	.05
2.350	2.400	.49	95.74	85.83	36.75	9.56	.05
2.400	2.450	.64	96.38	86.65	37.08	8.18	.05
2.450	2.500	.87	97.26	87.60	37.53	6.99	.06
2.500	2.550	1.18	98.43	88.76	38.14	5.97	.07
2.550	2.600	1.57	100.00	90.20	38.96	5.10	.08

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%

F2 = 1.000 ASH 30.01%

PREDICTED REJECTS 22.25%

PD = 1.800 ASH 70.23%

EP = .2240

YIELD ERROR 4.79%

ASH ERROR 2.61%

ORGANIC EFFICIENCY 94.19%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.305	1.350	19.27	19.27	7.06	7.06	72.87	14.04	5.23
1.350	1.400	15.69	34.96	12.26	9.40	56.71	8.90	6.79
1.400	1.450	10.74	45.70	18.43	11.52	43.01	4.62	6.12
1.450	1.500	11.06	56.76	23.25	13.81	29.24	3.23	7.83
1.500	1.550	5.85	62.61	30.27	15.34	20.02	1.17	4.68
1.550	1.600	5.11	67.72	36.58	16.95	13.26	.68	4.43
1.600	1.650	4.21	71.93	40.40	18.32	8.44	.36	3.85
1.650	1.700	3.26	75.19	43.71	19.42	5.89	.19	3.07
1.700	1.750	2.61	77.80	47.38	20.36	3.61	.09	2.52
1.750	1.800	2.54	80.34	50.99	21.33	1.73	.04	2.50
1.800	1.850	2.41	82.75	54.22	22.28	.35	.01	2.40
1.850	1.900	1.81	84.56	57.39	23.03	.00	.00	1.81
1.900	1.950	1.36	85.92	60.37	23.63	.00	.00	1.36
1.950	2.000	1.06	86.98	63.16	24.11	.00	.00	1.06
2.000	2.050	.88	87.86	65.75	24.53	.00	.00	.88
2.050	2.100	.79	88.65	68.12	24.91	.00	.00	.79
2.100	2.150	.79	89.44	70.25	25.31	.00	.00	.79
2.150	2.200	.85	90.29	72.08	25.75	.00	.00	.85
2.200	2.250	.94	91.23	73.64	26.25	.00	.00	.94
2.250	2.300	1.06	92.29	74.95	26.81	.00	.00	1.06
2.300	2.350	1.19	93.48	76.05	27.43	.00	.00	1.19
2.350	2.400	1.30	94.78	76.98	28.11	.00	.00	1.30
2.400	2.450	1.37	96.14	77.78	28.82	.00	.00	1.37
2.450	2.500	1.38	97.52	78.48	29.52	.00	.00	1.38
2.500	2.550	1.32	98.84	79.10	30.18	.00	.00	1.32
2.550	2.600	1.16	100.00	79.69	30.75	.00	.00	1.16

HEAD ASH OF WASHABILITY DATA = 30.82

AVERAGE S.G. FEED = 1.599

AVERAGE S.G. FLOATS = 1.387

AVERAGE S.G. SINKS = 1.705

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .840

PREDICTED YIELD 33.34%

YIELD ERROR 23.21%

F2 = 1.000

ASH 13.76%

ASH ERROR 4.61%

PREDICTED REJECTS 66.66%

ORGANIC EFFICIENCY 58.95%

PD = 1.400

ASH 39.25%

EP = .0894

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.305 1.350	19.27	19.27	7.06	7.06	87.55	16.87	2.40
1.350 1.400	15.69	34.96	12.26	9.40	81.06	12.72	2.97
1.400 1.450	10.74	45.70	18.43	11.52	69.70	7.49	3.25
1.450 1.500	11.06	56.76	23.25	13.81	55.48	6.14	4.92
1.500 1.550	5.85	62.61	30.27	15.34	44.25	2.59	3.26
1.550 1.600	5.11	67.72	36.58	16.95	32.49	1.66	3.45
1.600 1.650	4.21	71.93	40.40	18.32	24.17	1.02	3.19
1.650 1.700	3.26	75.19	43.71	19.42	17.22	.56	2.70
1.700 1.750	2.61	77.80	47.38	20.36	12.12	.32	2.29
1.750 1.800	2.54	80.34	50.99	21.33	8.38	.21	2.33
1.800 1.850	2.41	82.75	54.22	22.28	6.24	.15	2.26
1.850 1.900	1.81	84.56	57.39	23.03	4.37	.08	1.73
1.900 1.950	1.36	85.92	60.37	23.63	2.61	.04	1.33
1.950 2.000	1.06	86.98	63.16	24.11	1.31	.01	1.05
2.000 2.050	.88	87.86	65.75	24.53	.19	.00	.87
2.050 2.100	.79	88.65	68.12	24.91	.00	.00	.79
2.100 2.150	.79	89.44	70.25	25.31	.00	.00	.79
2.150 2.200	.85	90.29	72.08	25.75	.00	.00	.85
2.200 2.250	.94	91.23	73.64	26.25	.00	.00	.94
2.250 2.300	1.06	92.29	74.95	26.81	.00	.00	1.06
2.300 2.350	1.19	93.48	76.05	27.43	.00	.00	1.19
2.350 2.400	1.30	94.78	76.98	28.11	.00	.00	1.30
2.400 2.450	1.37	96.14	77.78	28.82	.00	.00	1.37
2.450 2.500	1.38	97.52	78.48	29.52	.00	.00	1.38
2.500 2.550	1.32	98.84	79.10	30.18	.00	.00	1.32
2.550 2.600	1.16	100.00	79.69	30.75	.00	.00	1.16

HEAD ASH OF WASHABILITY DATA = 30.82

AVERAGE S.G. FEED = 1.599

AVERAGE S.G. FLOATS = 1.408

AVERAGE S.G. SINKS = 1.788

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .840

PREDICTED YIELD 49.85%

YIELD ERROR 15.15%

F2 = 1.000

ASH 16.09%

ASH ERROR 3.71%

PREDICTED REJECTS 50.15%

ORGANIC EFFICIENCY 76.70%

PD = 1.500

ASH 45.33%

EP = .1088

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION		% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.305	1.350	19.27	19.27	7.06	7.06	93.91	18.10	1.17
1.350	1.400	15.69	34.96	12.26	9.20	89.47	14.04	1.65
1.400	1.450	10.74	45.70	18.43	11.52	84.78	7.11	1.63
1.450	1.500	11.06	56.76	23.25	13.81	76.92	8.51	2.55
1.500	1.550	5.85	62.61	30.27	15.34	66.29	3.88	1.97
1.550	1.600	5.11	67.72	36.58	16.95	54.64	2.79	2.32
1.600	1.650	4.21	71.93	40.40	18.32	45.12	1.90	2.31
1.650	1.700	3.26	75.19	43.71	19.42	35.15	1.15	2.12
1.700	1.750	2.61	77.80	47.38	20.36	26.97	.70	1.91
1.750	1.800	2.54	80.34	50.99	21.33	20.53	.52	2.02
1.800	1.850	2.41	82.75	54.22	22.28	15.51	.37	2.04
1.850	1.900	1.81	84.56	57.39	23.03	11.38	.21	1.60
1.900	1.950	1.36	85.92	60.37	23.63	8.33	.11	1.25
1.950	2.000	1.06	86.98	63.16	24.11	6.48	.07	.99
2.000	2.050	.88	87.86	65.75	24.53	4.93	.04	.83
2.050	2.100	.79	88.65	68.12	24.91	3.34	.03	.77
2.100	2.150	.79	89.44	70.25	25.31	2.01	.02	.77
2.150	2.200	.85	90.29	72.08	25.75	1.03	.01	.84
2.200	2.250	.94	91.23	73.64	26.25	.10	.00	.94
2.250	2.300	1.06	92.29	74.95	26.81	.00	.00	1.06
2.300	2.350	1.19	93.48	76.05	27.43	.00	.00	1.19
2.350	2.400	1.30	94.78	76.98	28.11	.00	.00	1.30
2.400	2.450	1.37	96.14	77.78	28.82	.00	.00	1.37
2.450	2.500	1.38	97.52	78.48	29.52	.00	.00	1.38
2.500	2.550	1.32	98.84	79.10	30.18	.00	.00	1.32
2.550	2.600	1.16	100.00	79.69	30.75	.00	.00	1.16

HEAD ASH OF WASHABILITY DATA = 30.82

AVERAGE S.G. FEED = 1.599

AVERAGE S.G. FLOATS = 1.429

AVERAGE S.G. SINKS = 1.872

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .840

PREDICTED YIELD 61.55%

YIELD ERROR 10.09%

F2 = 1.000

ASH 18.22%

ASH ERROR 3.16%

PREDICTED REJECTS 38.45%

ORGANIC EFFICIENCY 85.91%

PD = 1.600

ASH 50.81%

EP = .1282

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.305	1.350	19.27	19.27	7.06	7.06	97.91	18.87
1.350	1.400	15.69	34.96	12.26	9.40	94.77	14.87
1.400	1.450	10.74	45.70	18.43	11.52	90.77	9.75
1.450	1.500	11.06	56.76	23.25	13.81	86.83	9.60
1.500	1.550	5.85	62.61	30.27	15.34	81.80	4.79
1.550	1.600	5.11	67.72	36.58	16.95	73.71	3.76
1.600	1.650	4.21	71.93	40.40	18.32	63.57	2.67
1.650	1.700	3.26	75.19	43.71	19.42	54.04	1.76
1.700	1.750	2.41	77.80	47.38	20.36	45.77	1.19
1.750	1.800	2.54	80.34	50.99	21.33	37.19	.94
1.800	1.850	2.41	82.75	54.22	22.28	29.10	.70
1.850	1.900	1.81	84.56	57.39	23.03	23.54	.43
1.900	1.950	1.36	85.92	60.37	23.63	18.27	.25
1.950	2.000	1.06	86.98	63.16	24.11	14.29	.15
2.000	2.050	.88	87.86	65.75	24.53	10.85	.10
2.050	2.100	.79	88.65	68.12	24.91	8.30	.07
2.100	2.150	.79	89.44	70.25	25.31	6.66	.05
2.150	2.200	.85	90.29	72.08	25.75	5.34	.05
2.200	2.250	.94	91.23	73.64	26.25	3.92	.04
2.250	2.300	1.06	92.29	74.95	26.81	2.65	.03
2.300	2.350	1.19	93.48	76.05	27.43	1.63	.02
2.350	2.400	1.30	94.78	76.98	28.11	.82	.01
2.400	2.450	1.37	96.14	77.78	28.82	.05	.00
2.450	2.500	1.38	97.52	78.48	29.52	.00	.00
2.500	2.550	1.32	98.84	79.10	30.18	.00	.00
2.550	2.600	1.16	100.00	79.69	30.75	.00	.00

HEAD ASH OF WASHABILITY DATA = 30.82

AVERAGE S.G. FEED = 1.599

AVERAGE S.G. FLOATS = 1.447

AVERAGE S.G. SINKS = 1.955

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .840

F2 = 1.000

PD = 1.700

EP = .1476

PREDICTED YIELD 70.10%

ASH 20.01%

PREDICTED REJECTS 29.90%

ASH 55.94%

YIELD ERROR 6.75%

ASH ERROR 2.29%

ORGANIC EFFICIENCY 91.22%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.305	1.350	19.27	19.27	7.06	7.06	99.70	19.21
1.350	1.400	15.69	34.96	12.26	9.40	98.07	15.39
1.400	1.450	10.74	45.70	18.43	11.52	95.24	10.23
1.450	1.500	11.06	56.76	23.25	13.81	91.77	10.15
1.500	1.550	5.85	62.61	30.27	15.34	88.23	5.17
1.550	1.600	5.11	67.72	36.58	16.95	84.52	4.32
1.600	1.650	4.21	71.93	40.40	18.32	78.77	3.31
1.650	1.700	3.26	75.19	43.71	19.42	71.31	2.33
1.700	1.750	2.61	77.80	47.38	20.36	61.55	1.61
1.750	1.800	2.54	80.34	50.99	21.33	53.58	1.36
1.800	1.850	2.41	82.75	54.22	22.28	46.26	1.12
1.850	1.900	1.81	84.56	57.39	23.03	38.75	1.11
1.900	1.950	1.36	85.92	60.37	23.63	31.10	.42
1.950	2.000	1.06	86.98	63.16	24.11	25.84	.27
2.000	2.050	.88	87.86	65.75	24.53	20.81	.18
2.050	2.100	.79	88.65	68.12	24.91	16.76	.13
2.100	2.150	.79	89.44	70.25	25.31	13.39	.11
2.150	2.200	.85	90.29	72.08	25.75	10.46	.09
2.200	2.250	.94	91.23	73.64	26.25	8.28	.08
2.250	2.300	1.06	92.29	74.95	26.81	6.81	.07
2.300	2.350	1.19	93.48	76.05	27.43	5.63	.07
2.350	2.400	1.30	94.78	76.98	28.11	4.39	.06
2.400	2.450	1.37	96.14	77.78	28.82	3.20	.04
2.450	2.500	1.38	97.52	78.48	29.52	2.17	.03
2.500	2.550	1.32	98.84	79.10	30.18	1.37	.02
2.550	2.600	1.16	100.00	79.69	30.75	.64	.01

HEAD ASH OF WASHABILITY DATA = 30.82

AVERAGE S.G. FEED = 1.599

AVERAGE S.G. FLOATS = 1.465

AVERAGE S.G. SINKS = 2.035

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .840

PREDICTED YIELD 76.47%

YIELD ERROR 4.54%

F2 = 1.000

ASH 21.59%

ASH ERROR 1.71%

PREDICTED REJECTS 23.53%

ORGANIC EFFICIENCY 94.39%

PD = 1.800

ASH 60.53%

EP = .1670

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION		% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.305	1.350	19.27	19.27	7.06	7.06	100.00	19.27	.00
1.350	1.400	15.69	34.96	12.26	9.40	99.66	15.64	.05
1.400	1.450	10.74	45.70	18.43	11.52	98.10	10.54	.20
1.450	1.500	11.06	56.76	23.25	13.81	95.61	10.57	.49
1.500	1.550	5.85	62.61	30.27	15.34	92.56	5.42	.44
1.550	1.600	5.11	67.72	36.58	16.95	89.33	4.56	.54
1.600	1.650	4.21	71.93	40.40	18.32	86.24	3.63	.58
1.650	1.700	3.26	75.19	43.71	19.42	82.20	2.68	.58
1.700	1.750	2.61	77.80	47.38	20.36	75.99	1.98	.63
1.750	1.800	2.54	80.34	50.99	21.33	69.13	1.76	.78
1.800	1.850	2.41	82.75	54.22	22.28	60.07	1.45	.96
1.850	1.900	1.81	84.56	57.39	23.03	53.21	.96	.85
1.900	1.950	1.36	85.92	60.37	23.63	46.65	.64	.73
1.950	2.000	1.06	86.98	63.16	24.11	39.94	.42	.64
2.000	2.050	.88	87.86	65.75	24.53	32.95	.29	.59
2.050	2.100	.79	88.65	68.12	24.91	27.54	.22	.57
2.100	2.150	.79	89.44	70.25	25.31	23.17	.18	.61
2.150	2.200	.85	90.29	72.08	25.75	18.93	.16	.69
2.200	2.250	.94	91.23	73.64	26.25	15.64	.15	.80
2.250	2.300	1.06	92.29	74.95	26.81	12.70	.14	.93
2.300	2.350	1.19	93.48	76.05	27.43	10.17	.12	1.07
2.350	2.400	1.30	94.78	76.98	28.11	8.26	.11	1.19
2.400	2.450	1.37	96.14	77.78	28.82	6.93	.09	1.27
2.450	2.500	1.38	97.52	78.48	29.52	5.86	.08	1.30
2.500	2.550	1.32	98.84	79.10	30.18	4.77	.06	1.25
2.550	2.600	1.16	100.00	79.69	30.75	3.67	.04	1.12

HEAD ASH OF WASHABILITY DATA = 30.82

AVERAGE S.G. FEED = 1.599

AVERAGE S.G. FLOATS = 1.481

AVERAGE S.G. SINKS = 2.106

PROCESS: 24" WATER ONLY CYCLONE
2 STAGE APPROXIMATION

F1 = .840

PREDICTED YIELD 81.16%

YIELD ERROR 3.23%

F2 = 1.000

ASH 22.96%

ASH ERROR 1.31%

PREDICTED REJECTS 18.84%

ORGANIC EFFICIENCY 96.17%

PD = 1.900

ASH 64.31%

EP = .1864

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 867

DATA SET NAME: HT CR XY ATT 4x28

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.305 1.350	19.27	19.27	7.06	7.06	100.00	19.27	.00
1.350 1.400	15.69	34.96	12.26	9.40	100.00	15.69	.00
1.400 1.450	10.74	45.70	18.43	11.52	99.56	10.69	.05
1.450 1.500	11.06	56.76	23.25	13.81	98.10	10.85	.21
1.500 1.550	5.85	62.61	30.27	15.34	95.87	5.61	.24
1.550 1.600	5.11	67.72	36.58	16.95	93.16	4.76	.35
1.600 1.650	4.21	71.93	40.40	18.32	90.23	3.80	.41
1.650 1.700	3.26	75.19	43.71	19.42	87.43	2.85	.41
1.700 1.750	2.61	77.80	47.38	20.36	84.30	2.20	.41
1.750 1.800	2.54	80.34	50.99	21.33	79.76	2.03	.51
1.800 1.850	2.41	82.75	54.22	22.28	73.69	1.78	.63
1.850 1.900	1.81	84.56	57.39	23.03	66.92	1.21	.60
1.900 1.950	1.34	85.92	60.37	23.63	58.84	.80	.56
1.950 2.000	1.06	86.98	63.16	24.11	52.80	.56	.50
2.000 2.050	.88	87.86	65.75	24.53	46.84	.41	.47
2.050 2.100	.79	88.65	68.12	24.91	40.76	.32	.47
2.100 2.150	.79	89.44	70.25	25.31	34.43	.27	.52
2.150 2.200	.85	90.29	72.08	25.75	28.93	.24	.60
2.200 2.250	.94	91.23	73.64	26.25	25.01	.24	.71
2.250 2.300	1.06	92.29	74.95	26.81	20.89	.22	.84
2.300 2.350	1.19	93.48	76.05	27.43	17.50	.21	.98
2.350 2.400	1.30	94.78	76.98	28.11	14.67	.19	1.10
2.400 2.450	1.37	96.14	77.78	28.82	12.09	.17	1.20
2.450 2.500	1.38	97.52	78.48	29.52	9.88	.14	1.24
2.500 2.550	1.32	98.84	79.10	30.18	8.20	.11	1.21
2.550 2.600	1.16	100.00	79.69	30.75	6.99	.08	1.08

HEAD ASH OF WASHABILITY DATA = 30.82

AVERAGE S.G. FEED = 1.599

AVERAGE S.G. FLOATS = 1.496

AVERAGE S.G. SINKS = 2.166

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .840

F2 = 1.000

PD = 1.999

EP = .2056

PREDICTED YIELD 84.69%

ASH 24.15%

PREDICTED REJECTS 15.31%

ASH 67.28%

YIELD ERROR 2.38%

ASH ERROR 1.06%

ORGANIC EFFICIENCY 97.26%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.275	1.300	9.71	9.71	5.20	5.20	98.76	9.59
1.300	1.325	10.96	20.68	7.46	6.40	97.62	10.70
1.325	1.350	9.90	30.58	10.02	7.57	94.48	9.35
1.350	1.375	8.74	39.32	12.60	8.69	82.76	7.23
1.375	1.400	7.78	47.10	15.31	9.78	61.30	4.77
1.400	1.425	7.19	54.29	18.25	10.90	38.55	2.77
1.425	1.450	5.81	60.10	21.70	11.95	18.02	1.05
1.450	1.475	5.66	65.76	25.50	13.11	6.67	.38
1.475	1.500	5.39	71.15	29.01	14.32	3.23	.17
1.500	1.550	7.86	79.01	33.59	16.23	2.19	.17
1.550	1.600	4.79	83.80	40.88	17.64	1.23	.06
1.600	1.650	3.19	86.99	48.38	18.77	1.01	.03
1.650	1.700	1.75	88.74	56.11	19.51	.44	.01
1.700	1.800	4.46	93.20	62.50	21.57	.00	.00
1.800	1.900	3.16	96.36	65.39	23.00	.00	.00
1.900	2.000	1.97	98.33	67.25	23.89	.00	.00
2.000	2.100	1.00	99.33	70.13	24.35	.00	.00
2.100	2.200	.33	99.66	72.11	24.51	.00	.00
2.200	2.300	.06	99.72	74.37	24.54	.00	.00
2.300	2.400	.28	100.00	78.47	24.69	.00	.00

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.340

AVERAGE S.G. SINKS = 1.570

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798	PREDICTED YIELD	46.29%	YIELD ERROR	5.36%
F2 = 1.200	ASH	10.49%	ASH ERROR	.82%
F3 = 1.060	PREDICTED REJECTS	53.71%	ORGANIC EFFICIENCY	89.62%
PD = 1.400	ASH	36.93%		
EP = .0282				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	5.20	5.20	99.69	9.68	.03
1.300	1.350	20.86	8.65	7.55	99.29	20.72	.15
1.350	1.400	16.52	13.84	9.76	98.81	16.33	.20
1.400	1.425	7.19	18.25	10.88	97.09	6.98	.21
1.425	1.450	5.81	21.70	11.93	93.24	5.42	.39
1.450	1.475	5.66	25.50	13.10	79.99	4.52	1.13
1.475	1.500	5.39	29.01	14.30	60.30	3.25	2.14
1.500	1.525	4.41	32.24	15.35	39.57	1.74	2.66
1.525	1.550	3.45	35.45	16.23	20.46	.71	2.75
1.550	1.575	2.53	39.02	16.93	7.85	.20	2.33
1.575	1.600	2.26	43.10	17.64	4.04	.09	2.17
1.600	1.650	3.19	48.38	18.77	2.31	.07	3.11
1.650	1.700	1.75	56.11	19.50	1.38	.02	1.73
1.700	1.750	2.12	60.95	20.47	1.12	.02	2.10
1.750	1.800	2.34	63.52	21.55	.73	.02	2.32
1.800	1.850	1.74	64.98	22.35	.22	.00	1.74
1.850	1.900	1.42	65.82	22.99	.00	.00	1.42
1.900	2.000	1.97	67.25	23.88	.00	.00	1.97
2.000	2.100	1.00	70.13	24.34	.00	.00	1.00
2.100	2.200	.33	72.11	24.50	.00	.00	.33
2.200	2.300	.06	74.37	24.53	.00	.00	.06
2.300	2.400	.28	78.47	24.68	.00	.00	.28

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.374

AVERAGE S.G. SINKS = 1.670

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798

F2 = 1.200

F3 = 1.060

PD = 1.500

EP = .0310

PREDICTED YIELD 89.78%

ASH 14.48%

PREDICTED REJECTS 30.22%

ASH 48.22%

YIELD ERROR 2.13%

ASH ERROR .49%

ORGANIC EFFICIENCY 97.03%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.275	1.300	9.71	9.71	5.20	5.20	100.00	9.71	.00
1.300	1.350	20.86	30.58	8.65	7.55	99.95	20.85	.01
1.350	1.400	16.52	47.10	13.84	9.76	99.66	16.47	.06
1.400	1.450	13.00	60.10	19.66	11.90	99.09	12.88	.12
1.450	1.500	11.05	71.15	27.28	14.29	98.61	10.90	.15
1.500	1.525	4.41	75.56	32.24	15.34	96.43	4.25	.16
1.525	1.550	3.45	79.01	35.45	16.21	91.86	3.17	.28
1.550	1.575	2.53	81.54	39.02	16.92	77.64	1.96	.57
1.575	1.600	2.26	83.80	43.10	17.63	59.45	1.34	.92
1.600	1.625	1.96	85.76	46.91	18.30	40.43	.79	1.17
1.625	1.650	1.22	86.99	50.89	18.76	22.57	.28	.95
1.650	1.675	.90	87.88	54.55	19.12	9.36	.08	.81
1.675	1.700	.85	88.74	57.57	19.49	5.02	.04	.81
1.700	1.750	2.12	90.86	60.95	20.46	2.43	.05	2.07
1.750	1.800	2.34	93.20	63.52	21.54	1.60	.04	2.30
1.800	1.850	1.74	94.94	64.98	22.34	1.17	.02	1.72
1.850	1.900	1.42	96.36	65.82	22.98	.95	.01	1.41
1.900	1.950	1.12	97.48	66.71	23.48	.47	.01	1.12
1.950	2.000	.85	98.33	68.22	23.87	.08	.00	.85
2.000	2.100	1.00	99.33	70.13	24.33	.00	.00	1.00
2.100	2.200	.33	99.66	72.11	24.49	.00	.00	.33
2.200	2.300	.06	99.72	74.37	24.52	.00	.00	.06
2.300	2.400	.28	100.00	78.47	24.67	.00	.00	.28

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.399

AVERAGE S.G. SINKS = 1.778

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798

F2 = 1.200

F3 = 1.060

PD = 1.600

EP = .0337

PREDICTED YIELD 82.87%

ASH 17.62%

PREDICTED REJECTS 17.13%

ASH 58.80%

YIELD ERROR .89%

ASH ERROR .28%

ORGANIC EFFICIENCY 98.93%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	9.71	5.20	5.20	100.00	9.71
1.300	1.350	20.86	30.58	8.65	7.55	100.00	20.86
1.350	1.400	16.52	47.10	13.84	9.76	100.00	16.52
1.400	1.450	13.00	60.10	19.66	11.90	99.86	12.98
1.450	1.500	11.05	71.15	27.28	14.29	99.49	10.99
1.500	1.550	7.86	79.01	33.59	16.21	98.93	7.77
1.550	1.600	4.79	83.80	40.88	17.62	98.25	4.71
1.600	1.625	1.96	85.76	46.91	18.29	95.58	1.88
1.625	1.650	1.22	86.99	50.89	18.75	90.21	1.10
1.650	1.675	.90	87.88	54.55	19.11	75.67	.68
1.675	1.700	.85	88.74	57.57	19.48	58.74	.50
1.700	1.725	.98	89.72	59.91	19.92	41.16	.40
1.725	1.750	1.14	90.86	61.69	20.45	24.37	.28
1.750	1.775	1.23	92.09	63.03	21.02	11.15	.14
1.775	1.800	1.11	93.20	63.99	21.53	5.86	.07
1.800	1.850	1.74	94.94	64.98	22.33	2.67	.05
1.850	1.900	1.42	96.36	65.82	22.97	1.90	.03
1.900	1.950	1.12	97.48	66.71	23.47	1.23	.01
1.950	2.000	.85	98.33	68.22	23.86	1.09	.01
2.000	2.050	.60	98.94	69.66	24.14	.71	.00
2.050	2.100	.39	99.33	70.83	24.32	.28	.00
2.100	2.200	.33	99.66	72.11	24.48	.00	.00
2.200	2.300	.06	99.72	74.37	24.51	.00	.00
2.300	2.400	.28	100.00	78.47	24.66	.00	.00

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.414

AVERAGE S.G. SINKS = 1.857

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798

F2 = 1.200

F3 = 1.060

PD = 1.700

EP = .0364

PREDICTED YIELD 88.70%

ASH 19.61%

PREDICTED REJECTS 11.30%

ASH 64.36%

YIELD ERROR .31%

ASH ERROR .14%

ORGANIC EFFICIENCY 99.65%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.279	1.300	9.71	9.71	5.20	5.20	100.00	9.71	.00
1.300	1.350	20.86	30.58	8.65	7.65	100.00	20.86	.00
1.350	1.400	16.52	47.10	13.84	9.76	100.00	16.52	.00
1.400	1.450	13.00	60.10	19.66	11.90	100.00	13.00	.00
1.450	1.500	11.05	71.15	27.28	14.29	99.97	11.05	.00
1.500	1.550	7.86	79.01	33.59	16.21	99.75	7.86	.02
1.550	1.600	4.79	83.80	40.88	17.62	99.33	4.76	.03
1.600	1.650	3.19	86.99	48.38	18.75	98.89	3.15	.04
1.650	1.700	1.75	88.74	56.11	19.48	97.78	1.71	.04
1.700	1.725	.98	89.72	59.91	19.92	94.59	.93	.05
1.725	1.750	1.14	90.86	61.69	20.45	88.31	1.01	.13
1.750	1.775	1.23	92.09	63.03	21.02	74.01	.91	.32
1.775	1.800	1.11	93.20	63.99	21.53	58.12	.65	.46
1.800	1.825	.91	94.11	64.72	21.95	41.78	.38	.53
1.825	1.850	.83	94.94	65.24	22.33	25.94	.22	.61
1.850	1.875	.75	95.69	65.65	22.67	13.02	.10	.65
1.875	1.900	.67	96.36	66.03	22.97	6.58	.04	.63
1.900	1.925	.60	96.96	66.47	23.24	3.88	.02	.57
1.925	1.950	.53	97.48	67.05	23.47	2.58	.01	.51
1.950	2.000	.85	98.33	68.22	23.86	2.17	.02	.83
2.000	2.050	.60	98.94	69.66	24.14	1.34	.01	.60
2.050	2.100	.39	99.33	70.83	24.32	1.14	.00	.39
2.100	2.150	.23	99.56	71.84	24.43	.91	.00	.22
2.150	2.200	.11	99.66	72.80	24.48	.50	.00	.10
2.200	2.250	.04	99.70	73.83	24.50	.14	.00	.04
2.250	2.300	.03	99.72	75.32	24.51	.00	.00	.03
2.300	2.400	.28	100.00	78.47	24.66	.00	.00	.28

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.429

AVERAGE S.G. SINKS = 1.924

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798

F2 = 1.200

F3 = 1.060

PD = 1.800

EP = .0392

PREDICTED YIELD 92.91%

ASH 21.44%

PREDICTED REJECTS 7.09%

ASH 66.84%

YIELD ERROR .10%

ASH ERROR .05%

ORGANIC EFFICIENCY 99.89%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	9.71	5.20	5.20	69.20	6.72
1.300	1.350	20.86	30.58	8.65	7.55	61.81	12.89
1.350	1.400	16.52	47.10	13.84	9.76	53.64	8.86
1.400	1.450	13.00	60.10	19.64	11.90	46.19	6.01
1.450	1.500	11.05	71.15	27.28	14.29	38.55	4.26
1.500	1.550	7.86	79.01	33.59	16.21	30.81	2.42
1.550	1.600	4.79	83.80	40.88	17.62	25.55	1.22
1.600	1.650	3.19	86.99	48.38	18.75	20.45	.65
1.650	1.700	1.75	88.74	56.11	19.48	16.43	.29
1.700	1.750	2.12	90.86	60.95	20.45	13.03	.28
1.750	1.800	2.34	93.20	63.52	21.53	10.13	.24
1.800	1.850	1.74	94.94	64.98	22.33	8.03	.14
1.850	1.900	1.42	96.36	65.82	22.97	6.61	.09
1.900	1.950	1.12	97.48	66.71	23.47	5.42	.06
1.950	2.000	.85	98.33	68.22	23.86	4.15	.04
2.000	2.050	.60	98.94	69.66	24.14	2.96	.02
2.050	2.100	.39	99.33	70.83	24.33	1.97	.01
2.100	2.150	.23	99.56	71.64	24.43	1.19	.00
2.150	2.200	.11	99.66	72.80	24.48	.43	.00
2.200	2.250	.04	99.70	73.63	24.50	.00	.00
2.250	2.300	.03	99.72	75.32	24.52	.00	.00
2.300	2.350	.08	99.80	76.99	24.56	.00	.00
2.350	2.400	.20	100.00	78.98	24.66	.00	.00

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.392

AVERAGE S.G. SINKS = 1.521

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

F2 = 1.200

PD = 1.400

EP = .1642

PREDICTED YIELD 44.20%

ASH 16.70%

PREDICTED REJECTS 55.80%

ASH 30.97%

YIELD ERROR 36.47%

ASH ERROR 7.33%

ORGANIC EFFICIENCY 54.79%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	2.99	2.99	5.20	5.20	69.20	2.07
1.300	1.350	7.97	10.96	8.65	7.71	61.81	4.92
1.350	1.400	7.66	18.62	13.84	10.23	53.64	4.11
1.400	1.450	6.99	25.62	19.66	12.80	46.19	3.23
1.450	1.500	6.79	32.41	27.28	15.84	38.55	2.62
1.500	1.550	5.44	37.84	33.59	18.39	30.81	1.68
1.550	1.600	3.57	41.41	40.88	20.33	25.55	.91
1.600	1.650	2.54	43.95	48.38	21.94	20.45	.52
1.650	1.700	1.46	45.41	56.11	23.05	16.43	.24
1.700	1.750	1.85	47.26	60.95	24.53	13.03	.24
1.750	1.800	2.10	49.36	63.52	26.19	10.13	.21
1.800	1.850	1.60	50.96	64.98	27.41	8.03	.13
1.850	1.900	1.33	52.29	65.82	28.38	6.61	.09
1.900	1.950	1.06	53.35	66.71	29.14	5.42	.06
1.950	2.000	.81	54.16	68.22	29.73	4.15	.03
2.000	2.050	.59	54.75	69.66	30.16	2.96	.02
2.050	2.100	.39	55.13	70.83	30.44	1.97	.01
2.100	2.150	.22	55.36	71.84	30.61	1.19	.00
2.150	2.200	.10	55.46	72.80	30.69	.43	.00
2.200	2.250	.04	55.50	73.83	30.72	.00	.00
2.250	2.300	.03	55.52	75.32	30.74	.00	.00
2.300	2.350	.08	55.60	76.99	30.80	.00	.00
2.350	2.400	.20	55.80	78.98	30.97	.00	.00

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.521

AVERAGE S.G. FLOATS = 1.421

AVERAGE S.G. SINKS = 1.582

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PD = 1.400

EP = .1642

PREDICTED YIELD 21.09%

ASH 20.28%

PREDICTED REJECTS 34.71%

ASH 37.47%

YIELD ERROR 20.24%

ASH ERROR 9.14%

ORGANIC EFFICIENCY 51.02%

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

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

W A S H A B I L I T Y D A T A

P R E D I C T I O N S

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	9.71	5.20	5.20	78.90	7.66
1.300	1.350	20.86	30.58	8.65	7.55	74.41	15.52
1.350	1.400	16.52	47.10	13.84	9.76	67.68	11.18
1.400	1.450	13.00	60.10	19.66	11.90	59.28	7.71
1.450	1.500	11.05	71.15	27.28	14.29	53.00	5.86
1.500	1.550	7.86	79.01	33.59	16.21	46.87	3.68
1.550	1.600	4.79	83.80	40.88	17.62	40.62	1.95
1.600	1.650	3.19	86.99	48.38	18.75	34.10	1.09
1.650	1.700	1.75	88.74	56.11	19.48	28.58	.50
1.700	1.750	2.12	90.86	60.95	20.45	24.56	.52
1.750	1.800	2.34	93.20	63.52	21.53	20.36	.48
1.800	1.850	1.74	94.94	64.98	22.33	17.00	.30
1.850	1.900	1.42	96.36	65.82	22.97	14.14	.20
1.900	1.950	1.12	97.48	66.71	23.47	11.55	.13
1.950	2.000	.85	98.33	68.22	23.86	9.39	.08
2.000	2.050	.60	98.94	69.66	24.14	7.82	.05
2.050	2.100	.39	99.33	70.83	24.33	6.67	.03
2.100	2.150	.23	99.56	71.84	24.43	5.70	.01
2.150	2.200	.11	99.66	72.80	24.48	4.66	.00
2.200	2.250	.04	99.70	73.63	24.50	3.64	.00
2.250	2.300	.03	99.72	75.32	24.52	2.71	.00
2.300	2.350	.08	99.80	76.99	24.56	1.92	.00
2.350	2.400	.20	100.00	78.98	24.66	1.28	.00

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.405

AVERAGE S.G. SINKS = 1.542

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

F2 = 1.200

PD = 1.500

EP = .1978

PREDICTED YIELD 56.95%

ASH 18.25%

PREDICTED REJECTS 43.05%

ASH 33.15%

YIELD ERROR 28.64%

ASH ERROR 6.87%

ORGANIC EFFICIENCY 66.54%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	2.05	2.05	5.20	5.20	78.90	1.62
1.300	1.350	5.34	7.39	8.65	7.69	74.41	3.97
1.350	1.400	5.34	12.73	13.84	10.27	67.68	3.61
1.400	1.450	5.29	18.02	19.66	13.03	59.28	3.14
1.450	1.500	5.19	23.22	27.28	16.22	53.00	2.75
1.500	1.550	4.17	27.39	33.59	18.86	46.87	1.96
1.550	1.600	2.85	30.24	40.88	20.94	40.62	1.16
1.600	1.650	2.10	32.34	48.38	22.72	34.10	.72
1.650	1.700	1.25	33.59	56.11	23.96	28.58	.36
1.700	1.750	1.60	35.19	60.95	25.64	24.56	.39
1.750	1.800	1.86	37.05	63.52	27.55	20.36	.38
1.800	1.850	1.44	38.50	64.98	28.95	17.00	.25
1.850	1.900	1.22	39.72	65.82	30.09	14.14	.17
1.900	1.950	.99	40.71	66.71	30.98	11.55	.11
1.950	2.000	.77	41.48	68.22	31.67	9.39	.07
2.000	2.050	.56	42.03	69.66	32.17	7.82	.04
2.050	2.100	.37	42.40	70.83	32.51	6.67	.02
2.100	2.150	.21	42.62	71.84	32.71	5.70	.01
2.150	2.200	.10	42.72	72.80	32.80	4.66	.00
2.200	2.250	.04	42.75	73.83	32.83	3.64	.00
2.250	2.300	.02	42.78	75.32	32.86	2.71	.00
2.300	2.350	.08	42.85	76.99	32.94	1.92	.00
2.350	2.400	.20	43.05	78.98	33.15	1.28	.00

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.542

AVERAGE S.G. FLOATS = 1.450

AVERAGE S.G. SINKS = 1.627

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PD = 1.500

EP = .1998

PREDICTED YIELD 20.75%

ASH 23.69%

PREDICTED REJECTS 22.30%

ASH 41.94%

YIELD ERROR 12.57%

ASH ERROR 8.99%

ORGANIC EFFICIENCY 62.28%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	5.20	5.20	84.09	8.17	1.55
1.300	1.350	20.86	8.65	7.55	81.45	16.99	3.87
1.350	1.400	16.52	13.84	9.76	76.42	12.63	3.90
1.400	1.450	13.00	19.66	11.90	71.17	9.25	3.75
1.450	1.500	11.05	27.28	14.29	64.38	7.11	3.94
1.500	1.550	7.86	33.59	16.21	57.72	4.54	3.32
1.550	1.600	4.79	40.88	17.62	52.56	2.52	2.27
1.600	1.650	3.19	48.38	18.75	47.35	1.51	1.68
1.650	1.700	1.75	56.11	19.48	42.04	.74	1.01
1.700	1.750	2.12	60.95	20.45	36.59	.78	1.35
1.750	1.800	2.34	63.52	21.53	31.22	.73	1.61
1.800	1.850	1.74	64.98	22.33	27.28	.47	1.27
1.850	1.900	1.42	65.82	22.97	23.84	.34	1.08
1.900	1.950	1.12	66.71	23.47	20.30	.23	.89
1.950	2.000	.85	68.22	23.86	17.41	.15	.70
2.000	2.050	.60	69.66	24.14	14.94	.09	.51
2.050	2.100	.39	70.83	24.33	12.64	.05	.34
2.100	2.150	.23	71.84	24.43	10.60	.02	.20
2.150	2.200	.11	72.80	24.48	8.93	.01	.10
2.200	2.250	.04	73.83	24.50	7.68	.00	.03
2.250	2.300	.03	75.32	24.52	6.71	.00	.02
2.300	2.350	.08	76.99	24.56	5.88	.00	.07
2.350	2.400	.20	78.98	24.66	5.04	.01	.19

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.416

AVERAGE S.G. SINKS = 1.559

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

F2 = 1.200

PD = 1.600

EP = .2354

PREDICTED YIELD 66.34%

ASH 19.53%

PREDICTED REJECTS 33.66%

ASH 34.79%

YIELD ERROR 22.50%

ASH ERROR 6.28%

ORGANIC EFFICIENCY 74.68%

66.34
19.53
34.79

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279 1.300	1.55	1.55	5.20	5.20	84.09	1.30	.25
1.300 1.350	3.87	5.42	8.65	7.67	81.45	3.15	.72
1.350 1.400	3.90	9.31	13.84	10.25	76.42	2.98	.92
1.400 1.450	3.75	13.06	19.66	12.95	71.17	2.67	1.08
1.450 1.500	3.94	17.00	27.28	16.27	64.38	2.53	1.40
1.500 1.550	3.32	20.32	33.59	19.10	57.72	1.92	1.40
1.550 1.600	2.27	22.59	40.88	21.29	52.56	1.19	1.08
1.600 1.650	1.68	24.27	48.38	23.16	47.35	.79	.88
1.650 1.700	1.01	25.29	56.11	24.49	42.04	.43	.59
1.700 1.750	1.35	26.63	60.95	26.33	36.59	.49	.85
1.750 1.800	1.61	28.24	63.52	28.45	31.22	.50	1.11
1.800 1.850	1.27	29.51	64.98	30.02	27.28	.35	.92
1.850 1.900	1.08	30.59	65.82	31.28	23.84	.26	.82
1.900 1.950	.89	31.48	66.71	32.29	20.30	.18	.71
1.950 2.000	.70	32.18	68.22	33.07	17.41	.12	.58
2.000 2.050	.51	32.70	69.66	33.65	14.94	.08	.44
2.050 2.100	.34	33.04	70.83	34.03	12.64	.04	.30
2.100 2.150	.20	33.24	71.84	34.26	10.60	.02	.18
2.150 2.200	.10	33.34	72.80	34.37	8.93	.01	.09
2.200 2.250	.03	33.37	73.83	34.41	7.68	.00	.03
2.250 2.300	.02	33.40	75.32	34.44	6.71	.00	.02
2.300 2.350	.07	33.47	76.99	34.54	5.88	.00	.07
2.350 2.400	.19	33.66	78.98	34.79	5.04	.01	.18

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.559

AVERAGE S.G. FLOATS = 1.476

AVERAGE S.G. SINKS = 1.666

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PD = 1.600

EP = .2354

PREDICTED YIELD 19.04%

ASH 26.59%

PREDICTED REJECTS 14.62%

ASH 45.45%

YIELD ERROR 7.80%

ASH ERROR 8.59%

ORGANIC EFFICIENCY 70.94%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	9.71	5.20	5.20	86.71	1.29
1.300	1.350	20.86	30.58	8.65	7.95	85.03	3.12
1.350	1.400	16.52	47.10	13.84	9.76	82.05	2.97
1.400	1.450	13.00	60.10	19.66	11.90	77.93	2.87
1.450	1.500	11.05	71.15	27.28	14.29	73.30	2.95
1.500	1.550	7.83	79.01	33.59	16.21	68.34	2.49
1.550	1.600	4.79	83.80	40.88	17.62	61.95	1.82
1.600	1.650	3.19	86.99	48.38	18.75	56.64	1.38
1.650	1.700	1.75	88.74	56.11	19.48	52.23	.84
1.700	1.750	2.12	90.86	60.95	20.45	47.69	1.11
1.750	1.800	2.34	93.20	63.52	21.53	43.08	1.33
1.800	1.850	1.74	94.94	64.98	22.33	38.43	1.07
1.850	1.900	1.42	96.36	65.82	22.97	33.58	.94
1.900	1.950	1.12	97.48	66.71	23.47	29.41	.79
1.950	2.000	.85	98.33	68.22	23.86	26.36	.62
2.000	2.050	.60	98.94	69.66	24.14	23.31	.46
2.050	2.100	.39	99.33	70.83	24.33	20.25	.31
2.100	2.150	.23	99.56	71.84	24.43	17.72	.19
2.150	2.200	.11	99.66	72.80	24.48	15.54	.09
2.200	2.250	.04	99.70	73.63	24.50	13.49	.03
2.250	2.300	.03	99.72	75.32	24.52	11.61	.02
2.300	2.350	.03	99.80	76.99	24.56	9.95	.07
2.350	2.400	.20	100.00	78.98	24.66	8.61	.18

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.425

AVERAGE S.G. SINKS = 1.569

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

F2 = 1.200

PD = 1.700

EP = .2711

PREDICTED YIELD 73.04%

ASH 20.61%

PREDICTED REJECTS 26.96%

ASH 35.65%

YIELD ERROR 18.16%

ASH ERROR 5.86%

ORGANIC EFFICIENCY 80.09%

** SIMON CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	1.29	5.20	5.20	86.71	1.12	.17
1.300	1.350	3.12	8.65	7.34	85.03	2.65	.47
1.350	1.400	2.97	13.84	10.13	82.05	2.43	.53
1.400	1.450	2.87	19.66	12.80	77.93	2.24	.63
1.450	1.500	2.95	27.28	16.04	73.30	2.16	.79
1.500	1.550	2.49	33.59	18.82	68.34	1.70	.79
1.550	1.600	1.82	40.88	21.12	61.95	1.13	.69
1.600	1.650	1.38	48.38	23.11	56.64	.78	.60
1.650	1.700	.84	56.11	24.51	52.23	.44	.40
1.700	1.750	1.11	60.95	26.45	47.69	.53	.58
1.750	1.800	1.33	63.52	28.68	43.08	.57	.76
1.800	1.850	1.07	64.98	30.35	38.43	.41	.66
1.850	1.900	.94	65.82	31.74	33.58	.32	.63
1.900	1.950	.79	66.71	32.85	29.41	.23	.56
1.950	2.000	.62	68.22	33.71	26.36	.16	.46
2.000	2.050	.46	69.66	34.35	23.31	.11	.35
2.050	2.100	.31	70.83	34.78	20.25	.06	.25
2.100	2.150	.19	71.84	35.04	17.72	.03	.15
2.150	2.200	.09	72.80	35.17	15.54	.01	.08
2.200	2.250	.03	73.83	35.21	13.49	.00	.03
2.250	2.300	.02	75.32	35.25	11.61	.00	.02
2.300	2.350	.07	76.99	35.36	9.95	.01	.06
2.350	2.400	.18	78.98	35.65	8.61	.02	.17

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.569

AVERAGE S.G. FLOATS = 1.496

AVERAGE S.G. SINKS = 1.695

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PD = 1.700

EP = .2711

PREDICTED YIELD 17.13%

ASH 28.71%

PREDICTED REJECTS 9.83%

ASH 47.75%

YIELD ERROR 5.06%

ASH ERROR 8.07%

ORGANIC EFFICIENCY 77.21%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	9.71	5.20	5.20	88.43	8.59
1.300	1.350	20.86	30.58	8.65	7.55	87.12	18.17
1.350	1.400	16.52	47.10	13.84	9.76	85.07	14.06
1.400	1.450	13.00	60.10	19.66	11.90	82.49	10.72
1.450	1.500	11.05	71.15	27.28	14.29	79.05	8.74
1.500	1.550	7.86	79.01	33.59	16.21	74.91	5.89
1.550	1.600	4.79	83.80	40.88	17.62	70.92	3.40
1.600	1.650	3.19	86.99	48.38	18.75	65.78	2.10
1.650	1.700	1.75	88.74	56.11	19.48	60.23	1.05
1.700	1.750	2.12	90.86	60.95	20.45	55.84	1.19
1.750	1.800	2.34	93.20	63.52	21.53	51.97	1.22
1.800	1.850	1.74	94.94	64.98	22.33	47.96	.83
1.850	1.900	1.42	96.36	65.82	22.97	43.89	.62
1.900	1.950	1.12	97.48	66.71	23.47	39.81	.45
1.950	2.000	.85	98.33	68.22	23.86	35.54	.30
2.000	2.050	.60	98.94	69.66	24.14	31.44	.19
2.050	2.100	.39	99.33	70.83	24.33	28.23	.11
2.100	2.150	.23	99.56	71.84	24.43	25.66	.06
2.150	2.200	.11	99.66	72.80	24.48	22.90	.02
2.200	2.250	.04	99.70	73.83	24.50	20.22	.01
2.250	2.300	.03	99.72	75.32	24.52	17.96	.00
2.300	2.350	.08	99.80	76.99	24.56	16.01	.01
2.350	2.400	.20	100.00	78.98	24.66	14.16	.03

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.433

AVERAGE S.G. SINKS = 1.572

PROCESS: 14" WATER ONLY CYCLONE

F1 = .980

F2 = 1.200

PD = 1.800

EP = .3067

PREDICTED YIELD 77.76%

ASH 21.46%

PREDICTED REJECTS 22.24%

ASH 35.86%

YIELD ERROR 15.29%

ASH ERROR 5.56%

ORGANIC EFFICIENCY 83.57%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	1.12	1.12	5.20	5.20	88.43	.99
1.300	1.350	2.69	3.81	8.65	7.63	87.12	2.34
1.350	1.400	2.47	6.28	13.84	10.07	85.07	2.10
1.400	1.450	2.28	8.56	19.66	12.62	82.49	1.88
1.450	1.500	2.31	10.87	27.28	15.74	79.05	1.83
1.500	1.550	1.97	12.84	33.59	18.48	74.91	1.48
1.550	1.600	1.39	14.24	40.88	20.68	70.92	.99
1.600	1.650	1.09	15.33	48.38	22.65	65.78	.72
1.650	1.700	.70	16.02	56.11	24.10	60.23	.42
1.700	1.750	.94	16.96	60.95	26.14	55.84	.52
1.750	1.800	1.12	18.08	63.52	28.46	51.97	.58
1.800	1.850	.91	18.99	64.98	30.20	47.96	.43
1.850	1.900	.80	19.79	65.82	31.64	43.89	.35
1.900	1.950	.68	20.46	66.71	32.80	39.81	.27
1.950	2.000	.55	21.01	68.22	33.72	35.54	.19
2.000	2.050	.41	21.42	69.66	34.41	31.44	.13
2.050	2.100	.28	21.71	70.83	34.89	28.23	.08
2.100	2.150	.17	21.87	71.84	35.17	25.66	.04
2.150	2.200	.08	21.96	72.80	35.31	22.90	.02
2.200	2.250	.03	21.98	73.83	35.36	20.22	.01
2.250	2.300	.02	22.01	75.32	35.40	17.96	.00
2.300	2.350	.07	22.07	76.99	35.52	16.01	.01
2.350	2.400	.17	22.24	78.98	35.86	14.16	.02

HEAD ASH OF WASHABILITY DATA = 24.72
 AVERAGE S.G. FEED = 1.572
 AVERAGE S.G. FLOATS = 1.510
 AVERAGE S.G. SINKS = 1.713

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PD = 1.800

EP = .3067

PREDICTED YIELD 15.42%

ASH 30.08%

PREDICTED REJECTS 6.83%

ASH 48.91%

YIELD ERROR 3.51%

ASH ERROR 7.24%

ORGANIC EFFICIENCY 81.46%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	9.71	5.20	5.20	96.96	9.42
1.300	1.350	20.86	30.58	8.65	7.55	93.79	19.57
1.350	1.400	16.52	47.10	13.84	9.76	86.84	14.35
1.400	1.450	13.00	60.10	19.66	11.90	77.44	10.07
1.450	1.500	11.05	71.15	27.28	14.29	66.58	7.36
1.500	1.550	7.66	79.01	33.59	16.21	55.41	4.35
1.550	1.600	4.79	83.80	40.88	17.62	44.83	2.15
1.600	1.650	3.19	86.99	48.38	18.75	35.44	1.13
1.650	1.700	1.75	88.74	56.11	19.48	27.48	.48
1.700	1.750	2.12	90.86	60.95	20.45	20.98	.45
1.750	1.800	2.34	93.20	63.52	21.53	15.82	.37
1.800	1.850	1.74	94.94	64.98	22.33	11.81	.21
1.850	1.900	1.42	96.36	65.82	22.97	8.74	.12
1.900	1.950	1.12	97.48	66.71	23.47	6.44	.07
1.950	2.000	.85	98.33	68.22	23.86	4.72	.04
2.000	2.050	.60	98.94	69.66	24.14	3.44	.02
2.050	2.100	.39	99.33	70.83	24.33	2.51	.01
2.100	2.150	.23	99.56	71.84	24.43	1.82	.00
2.150	2.200	.11	99.66	72.80	24.48	1.33	.00
2.200	2.250	.04	99.70	73.83	24.50	.96	.00
2.250	2.300	.03	99.72	75.32	24.52	.70	.00
2.300	2.350	.08	99.80	76.99	24.56	.51	.00
2.350	2.400	.20	100.00	78.98	24.66	.37	.00

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.397

AVERAGE S.G. SINKS = 1.622

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 70.17%

YIELD ERROR 12.53%

F2 = 1.250 ASH 17.29%

ASH ERROR 3.22%

PREDICTED REJECTS 29.83%

ORGANIC EFFICIENCY 84.85%

PD = 1.550 ASH 42.00%

EP = .1272

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279 1.300	9.71	9.71	5.20	5.20	99.10	9.63	.09
1.300 1.350	20.86	30.58	8.65	7.65	97.86	20.42	.45
1.350 1.400	16.52	47.10	13.84	9.76	94.60	15.63	.89
1.400 1.450	13.00	60.10	19.66	11.90	89.28	11.61	1.39
1.450 1.500	11.05	71.15	27.28	14.29	82.03	9.06	1.99
1.500 1.550	7.86	79.01	33.59	16.21	73.37	5.77	2.09
1.550 1.600	4.79	83.80	40.88	17.62	63.99	3.07	1.73
1.600 1.650	3.19	86.99	48.38	18.75	54.56	1.74	1.45
1.650 1.700	1.75	88.74	56.11	19.48	45.61	.80	.95
1.700 1.750	2.12	90.86	60.95	20.45	37.49	.80	1.33
1.750 1.800	2.34	93.20	63.52	21.53	30.37	.71	1.63
1.800 1.850	1.74	94.94	64.98	22.33	24.30	.42	1.32
1.850 1.900	1.42	96.36	65.82	22.97	19.26	.27	1.15
1.900 1.950	1.12	97.48	66.71	23.47	15.13	.17	.95
1.950 2.000	.85	98.33	68.22	23.86	11.81	.10	.75
2.000 2.050	.60	98.94	69.66	24.14	9.16	.06	.55
2.050 2.100	.39	99.33	70.83	24.33	7.08	.03	.37
2.100 2.150	.23	99.56	71.84	24.43	5.45	.01	.21
2.150 2.200	.11	99.66	72.80	24.48	4.18	.00	.10
2.200 2.250	.04	99.70	73.83	24.50	3.20	.00	.04
2.250 2.300	.03	99.72	75.32	24.52	2.45	.00	.02
2.300 2.350	.08	99.80	76.99	24.56	1.87	.00	.08
2.350 2.400	.20	100.00	78.98	24.66	1.43	.00	.20

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.411

AVERAGE S.G. SINKS = 1.678

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185

F2 = 1.250

PD = 1.650

EP = .1503

PREDICTED YIELD 80.29%

ASH 19.07%

PREDICTED REJECTS 19.71%

ASH 47.46%

YIELD ERROR 7.46%

ASH ERROR 2.48%

ORGANIC EFFICIENCY 91.49%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279 1.300	9.71	9.71	5.20	5.20	99.73	9.69	.03
1.300 1.350	20.86	30.58	8.65	7.55	99.27	20.71	.15
1.350 1.400	16.52	47.10	13.84	9.76	97.86	16.17	.35
1.400 1.450	13.00	60.10	19.66	11.90	95.15	12.37	.63
1.450 1.500	11.05	71.15	27.28	14.29	90.90	10.04	1.01
1.500 1.550	7.83	79.01	33.59	16.21	85.13	6.89	1.17
1.550 1.600	4.79	83.80	40.88	17.62	78.12	3.74	1.05
1.600 1.650	3.19	86.99	48.38	18.75	70.29	2.24	.95
1.650 1.700	1.75	88.74	56.11	19.48	62.09	1.09	.66
1.700 1.750	2.12	90.86	60.95	20.45	53.94	1.15	.98
1.750 1.800	2.34	93.20	63.52	21.53	46.18	1.08	1.26
1.800 1.850	1.74	94.94	64.98	22.33	39.03	.68	1.06
1.850 1.900	1.42	96.36	65.82	22.97	32.62	.46	.96
1.900 1.950	1.12	97.48	66.71	23.47	27.00	.30	.82
1.950 2.000	.85	98.33	68.22	23.86	22.17	.19	.66
2.000 2.050	.60	98.94	69.66	24.14	18.07	.11	.49
2.050 2.100	.39	99.33	70.83	24.33	14.64	.06	.34
2.100 2.150	.23	99.56	71.84	24.43	11.81	.03	.20
2.150 2.200	.11	99.66	72.80	24.48	9.48	.01	.10
2.200 2.250	.04	99.70	73.83	24.50	7.58	.00	.03
2.250 2.300	.03	99.72	75.32	24.52	6.05	.00	.02
2.300 2.350	.08	99.80	76.99	24.56	4.82	.00	.07
2.350 2.400	.20	100.00	78.98	24.66	3.83	.01	.19

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.423

AVERAGE S.G. SINKS = 1.731

PROCESS: BAKH JIS

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 86.82%

YIELD ERROR 4.13%

F2 = 1.250 ASH 20.49%

ASH ERROR 1.81%

PREDICTED REJECTS 13.18%

ORGANIC EFFICIENCY 95.46%

PD = 1.750

ASH 52.15%

EP = 1.734

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 853

DATA SET NAME: XY 1/2x1/4 WET AT

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.279	1.300	9.71	9.71	5.20	5.20	99.92	.01
1.300	1.350	20.86	30.58	8.65	7.65	99.75	.05
1.350	1.400	16.52	47.10	13.84	9.76	99.16	.14
1.400	1.450	13.00	60.10	19.66	11.90	97.86	.28
1.450	1.500	11.05	71.15	27.28	14.29	95.55	.49
1.500	1.550	7.86	79.01	33.59	16.21	92.04	.63
1.550	1.600	4.79	83.80	40.88	17.62	87.33	.61
1.600	1.650	3.19	86.99	48.38	18.75	81.55	.59
1.650	1.700	1.75	88.74	56.11	19.48	74.97	.44
1.700	1.750	2.12	90.86	60.95	20.45	67.89	.68
1.750	1.800	2.34	93.20	63.52	21.53	60.64	.92
1.800	1.850	1.74	94.94	64.98	22.33	53.48	.81
1.850	1.900	1.42	96.36	65.82	22.97	46.63	.76
1.900	1.950	1.12	97.48	66.71	23.47	40.24	.67
1.950	2.000	.85	98.33	68.22	23.86	34.43	.56
2.000	2.050	.60	98.94	69.66	24.14	29.22	.43
2.050	2.100	.39	99.33	70.83	24.33	24.63	.30
2.100	2.150	.23	99.56	71.84	24.43	20.64	.18
2.150	2.200	.11	99.66	72.80	24.48	17.21	.09
2.200	2.250	.04	99.70	73.83	24.50	14.28	.03
2.250	2.300	.03	99.72	75.32	24.52	11.81	.02
2.300	2.350	.08	99.80	76.99	24.56	9.73	.07
2.350	2.400	.20	100.00	78.98	24.66	8.00	.18

HEAD ASH OF WASHABILITY DATA = 24.72

AVERAGE S.G. FEED = 1.464

AVERAGE S.G. FLOATS = 1.433

AVERAGE S.G. SINKS = 1.778

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185

F2 = 1.250

FD = 1.850

EP = .1966

PREDICTED YIELD 91.08%

ASH 21.60%

PREDICTED REJECTS 8.92%

ASH 55.96%

YIELD ERROR 2.27%

ASH ERROR 1.05%

ORGANIC EFFICIENCY 97.57%

** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

DATE: 17 MAY 78

HAT CREEK X+Y
PARTIAL WASHING

FIXED PROCESSES

	NAME	% ROM	% YLD	% ASH
28%0				
INCLUDE 20 PC	RAW COAL	21.90	20.00	69.70
1/2 x 1/4	RAW COAL	1.76	100.00	24.72
1/4 x 28M	RAW COAL	4.14	100.00	37.94
	TOTAL	27.80	36.98	49.21

Set 1 of 3

VARIABLE PROCESS 1: 48.60% ROM

VARIABLE PROCESS 2: 7.04% ROM

VARIABLE PROCESS 3: 16.56% ROM

H/M BATH X+Y +1/2

W/O CYCL X+Y 1/2 x 1/4

W/O CYCL X+Y 1/4x28M

PD	% YLD	% ASH
1.500	62.17	19.20
1.600	71.84	22.89
1.700	78.45	26.21
1.800	84.25	29.33

PD	% YLD	% ASH
1.400	65.29	17.86
1.500	77.70	19.70
1.600	85.38	21.10
1.700	90.17	22.15
1.800	93.18	22.89

PD	% YLD	% ASH
1.400	44.85	19.61
1.500	56.44	22.72
1.600	65.44	25.46
1.700	72.31	27.67
1.800	77.77	29.60

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.4

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	52.52	53.39	53.93	54.27	54.48
	% ASH	25.01	25.09	25.19	25.29	25.36
1.600	% YLD	57.22	58.09	58.63	58.97	59.18
	% ASH	26.79	26.83	26.91	26.99	27.05
1.700	% YLD	60.43	61.30	61.84	62.18	62.39
	% ASH	28.68	28.69	28.74	28.81	28.86
1.800	% YLD	63.25	64.12	64.66	65.00	65.21
	% ASH	30.59	30.57	30.61	30.66	30.71

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.5

PD'S FOR		PD'S FOR VAR. PR. 2: H/M CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
H/M BATH						
1.500	% YLD	54.44	55.31	55.85	56.19	56.40
	% ASH	25.36	25.42	25.52	25.61	25.68
1.600	% YLD	59.14	60.01	60.55	60.89	61.10
	% ASH	27.05	27.08	27.15	27.23	27.29
1.700	% YLD	62.35	63.22	63.76	64.10	64.31
	% ASH	28.86	28.87	28.92	28.99	29.04
1.800	% YLD	65.17	66.04	66.58	66.92	67.13
	% ASH	30.71	30.69	30.73	30.78	30.82

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.6

PD'S FOR		PD'S FOR VAR. PR. 2: H/M CYCL				
VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	55.93	56.80	57.34	57.68	57.89
	% ASH	25.82	25.87	25.96	26.05	26.12
1.600	% YLD	60.63	61.50	62.04	62.38	62.59
	% ASH	27.43	27.46	27.53	27.60	27.66
1.700	% YLD	63.84	64.71	65.25	65.59	65.80
	% ASH	29.18	29.19	29.24	29.30	29.35
1.800	% YLD	66.66	67.53	68.07	68.41	68.62
	% ASH	30.98	30.95	30.99	31.04	31.08

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/D CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.7

PD'S FOR		PD'S FOR VAR. PR. 2: H/M CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
H/M BATH						
1.500	% YLD	57.07	57.94	58.48	58.82	59.03
	% ASH	26.28	26.32	26.40	26.49	26.55
1.600	% YLD	61.77	62.64	63.18	63.52	63.73
	% ASH	27.82	27.84	27.91	27.98	28.03
1.700	% YLD	64.98	65.85	66.39	66.73	66.94
	% ASH	29.53	29.53	29.57	29.63	29.68
1.800	% YLD	67.80	68.67	69.21	69.55	69.76
	% ASH	31.27	31.25	31.28	31.33	31.37

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/D CYCL X+Y 1/4x28M
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	57.97	58.84	59.38	59.72	59.93
	% ASH	26.73	26.77	26.84	26.92	26.99
1.600	% YLD	62.67	63.54	64.08	64.42	64.63
	% ASH	28.22	28.23	28.29	28.36	28.41
1.700	% YLD	65.88	66.76	67.30	67.63	67.85
	% ASH	29.88	29.87	29.92	29.97	30.02
1.800	% YLD	68.70	69.57	70.11	70.45	70.66
	% ASH	31.59	31.56	31.59	31.63	31.67

OVERALL CLEAN COAL ASH CONTENT = 30.00

MAXIMUM YIELD = 67.81

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.699
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.800

OVERALL CLEAN COAL ASH CONTENT = 31.50

MAXIMUM YIELD = 70.37

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.790
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.400

OVERALL CLEAN COAL ASH CONTENT = 25.50

MAXIMUM YIELD = 55.76

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.500
2	H/M CYCL X+Y 1/2 x 1/4	1.582
3	W/O CYCL X+Y 1/4x28M	1.500

OVERALL CLEAN COAL ASH CONTENT = 28.50

MAXIMUM YIELD = 64.81

VAR.
PROC.

1	H/M BATH X+Y +1/2	1.605
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.800

** SIMON - CARVES OF CANADA **

F 1309

COMPOSITE OF PREDICTIONS

DATE: 17 MAY 78

HART CREEK

FIXED PROCESSES

PARTIAL WASHING

Set 2 of 3

NAME	% ROM	% YLD	% ASH
INCLUDE 50 PC 28Mx0 RC	21.90	50.00	69.70
1/2 x 1/4 RAW COAL	4.40	100.00	24.72
1/4 x 28M RAW COAL	10.35	100.00	37.94
TOTAL	36.65	70.12	49.21

VARIABLE PROCESS 1: 48.60% ROM

H/M BATH X+Y +1/2

PD	% YLD	% ASH
1.500	62.17	19.20
1.600	71.84	22.89
1.700	78.45	26.21
1.800	84.25	29.33

VARIABLE PROCESS 2: 4.40% ROM

W/O
H/M CYCL X+Y 1/2 x 1/4

PD	% YLD	% ASH
1.400	65.29	17.86
1.500	77.70	19.70
1.600	85.38	21.10
1.700	90.17	22.15
1.800	93.18	22.89

VARIABLE PROCESS 3: 10.35% ROM

W/O CYCL X+Y 1/4x28M

PD	% YLD	% ASH
1.400	44.85	19.61
1.500	56.44	22.72
1.600	65.44	25.46
1.700	72.31	27.67
1.800	77.77	29.60

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.4

PD'S FOR		PD'S FOR VAR. PR. 2: H/M CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
H/M BATH						
1.500	% YLD	63.43	63.98	64.31	64.52	64.66
	% ASH	31.33	31.31	31.33	31.36	31.39
1.600	% YLD	68.13	68.68	69.01	69.22	69.36
	% ASH	32.38	32.36	32.37	32.40	32.42
1.700	% YLD	71.34	71.89	72.23	72.44	72.57
	% ASH	33.73	33.70	33.70	33.72	33.75
1.800	% YLD	74.16	74.71	75.04	75.25	75.39
	% ASH	35.17	35.12	35.12	35.14	35.16

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
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	64.63	65.17	65.51	65.72	65.86
	% ASH	31.39	31.37	31.39	31.43	31.45
1.600	% YLD	69.33	69.87	70.21	70.42	70.56
	% ASH	32.42	32.40	32.41	32.44	32.46
1.700	% YLD	72.54	73.09	73.42	73.64	73.77
	% ASH	33.75	33.71	33.72	33.74	33.76
1.800	% YLD	75.36	75.91	76.24	76.45	76.59
	% ASH	35.16	35.12	35.12	35.13	35.15

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
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	65.56	66.11	66.44	66.66	66.79
	% ASH	31.55	31.53	31.55	31.58	31.61
1.600	% YLD	70.26	70.81	71.14	71.35	71.49
	% ASH	32.56	32.53	32.55	32.57	32.60
1.700	% YLD	73.47	74.02	74.36	74.57	74.70
	% ASH	33.86	33.83	33.83	33.85	33.87
1.800	% YLD	76.29	76.84	77.18	77.39	77.52
	% ASH	35.25	35.21	35.21	35.22	35.24

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
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	66.27	66.82	67.16	67.37	67.50
	% ASH	31.74	31.72	31.73	31.76	31.79
1.600	% YLD	70.97	71.52	71.86	72.07	72.20
	% ASH	32.72	32.70	32.71	32.73	32.75
1.700	% YLD	74.18	74.73	75.07	75.28	75.41
	% ASH	34.00	33.97	33.97	33.99	34.01
1.800	% YLD	77.00	77.55	77.89	78.10	78.23
	% ASH	35.38	35.33	35.33	35.35	35.36

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.8

PD'S FOR		PD'S FOR VAR. PR. 2: H/M CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
H/M BATH						
1.500	% YLD	66.84	67.38	67.72	67.93	68.06
	% ASH	31.93	31.91	31.93	31.96	31.98
1.600	% YLD	71.54	72.08	72.42	72.63	72.76
	% ASH	32.90	32.87	32.88	32.91	32.93
1.700	% YLD	74.75	75.29	75.63	75.84	75.98
	% ASH	34.16	34.13	34.13	34.15	34.17
1.800	% YLD	77.57	78.11	78.45	78.66	78.79
	% ASH	35.52	35.48	35.48	35.49	35.51

AN OVERALL CLEAN COAL ASH VALUE OF 30% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 31.50

MAXIMUM YIELD = 66.08

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.505
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.500

OVERALL CLEAN COAL ASH CONTENT = 33.50

MAXIMUM YIELD = 74.24

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.646
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.800

OVERALL CLEAN COAL ASH CONTENT = 35.50

MAXIMUM YIELD = 78.78

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.800
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.400

** SIMON - CARVES OF CANADA **

COMPOSITE OF PREDICTIONS

DATE: 17 MAY 78

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
INCLUDE 80 PD 28Mx0 R.C.	21.90	80.00	69.70
1/2x1/4 RAW COAL	7.04	100.00	24.72
1/4x28M RAW COAL	16.56	100.00	37.94
TOTAL	45.50	90.37	49.21

F1301
HAT CREEK X+Y
PARTIAL WASHINGTON
Set 3 of 3

VARIABLE PROCESS 1: 48.60% ROM

H/M BATH X+Y +1/2

PD	% YLD	% ASH
1.500	62.17	19.20
1.600	71.84	22.89
1.700	78.45	26.21
1.800	84.25	29.33

VARIABLE PROCESS 2: 1.76% ROM

w/o
H/M CYCL X+Y 1/2 x 1/4

PD	% YLD	% ASH
1.400	65.29	17.86
1.500	77.70	19.70
1.600	85.38	21.10
1.700	90.17	22.15
1.800	93.18	22.89

VARIABLE PROCESS 3: 4.14% ROM

W/O CYCL X+Y 1/4x28M

PD	% YLD	% ASH
1.400	44.85	19.61
1.500	56.44	22.72
1.600	65.44	25.46
1.700	72.31	27.67
1.800	77.77	29.60

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.4

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 | 74.34 74.56 74.69 74.78 74.83
% ASH | 35.79 35.77 35.77 35.77 35.78

1.600 % YLD | 79.04 79.26 79.39 79.48 79.53
% ASH | 36.43 36.41 36.41 36.42 36.42

1.700 % YLD | 82.25 82.47 82.61 82.69 82.74
% ASH | 37.44 37.42 37.42 37.42 37.43

1.800 % YLD | 85.07 85.29 85.42 85.51 85.56
% ASH | 38.57 38.55 38.54 38.54 38.55

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
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 | 74.82 75.04 75.17 75.26 75.31
% ASH | 35.78 35.76 35.76 35.77 35.77

1.600 % YLD | 79.52 79.74 79.87 79.96 80.01
% ASH | 36.42 36.40 36.40 36.41 36.41

1.700 % YLD | 82.73 82.95 83.09 83.17 83.22
% ASH | 37.43 37.41 37.40 37.41 37.41

1.800 % YLD | 85.55 85.77 85.90 85.99 86.04
% ASH | 38.55 38.53 38.52 38.52 38.53

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
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	75.19	75.41	75.55	75.63	75.68
	% ASH	35.82	35.80	35.80	35.80	35.81
1.600	% YLD	79.89	80.11	80.25	80.33	80.38
	% ASH	36.45	36.43	36.43	36.43	36.44
1.700	% YLD	83.11	83.32	83.46	83.54	83.60
	% ASH	37.45	37.43	37.43	37.43	37.43
1.800	% YLD	85.92	86.14	86.28	86.36	86.41
	% ASH	38.57	38.54	38.54	38.54	38.55

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.7

PD'S FOR		PD'S FOR VAR. PR. 2: H/M CYCL				
VAR. PR. 1: H/M BATH		1.400	1.500	1.600	1.700	1.800
1.500	% YLD	75.48	75.70	75.83	75.92	75.97
	% ASH	35.86	35.85	35.84	35.85	35.86
1.600	% YLD	80.18	80.40	80.53	80.61	80.67
	% ASH	36.49	36.47	36.47	36.48	36.48
1.700	% YLD	83.39	83.61	83.74	83.83	83.88
	% ASH	37.49	37.47	37.46	37.47	37.47
1.800	% YLD	86.21	86.43	86.56	86.65	86.70
	% ASH	38.60	38.58	38.57	38.58	38.58

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

VARIABLE PROCESS 2: H/M CYCL X+Y 1/2 x 1/4

VARIABLE PROCESS 3: W/O CYCL X+Y 1/4x28M
THIS TABLE FOR PD = 1.8

PD'S FOR VAR. PR. 2: H/M CYCL		1.400	1.500	1.600	1.700	1.800
PD'S FOR VAR. PR. 1: H/M BATH						
1.500	% YLD	75.70	75.92	76.06	76.14	76.19
	% ASH	35.92	35.90	35.90	35.91	35.91
1.600	% YLD	80.40	80.62	80.76	80.84	80.89
	% ASH	36.55	36.53	36.53	36.53	36.54
1.700	% YLD	83.62	83.83	83.97	84.05	84.11
	% ASH	37.54	37.51	37.51	37.51	37.52
1.800	% YLD	86.43	86.65	86.79	86.87	86.93
	% ASH	38.64	38.62	38.62	38.62	38.62

AN OVERALL CLEAN COAL ASH VALUE OF 40% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 38.50

MAXIMUM YIELD = 86.61

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.789
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.800

AN OVERALL CLEAN COAL ASH VALUE OF 35.5% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 36.00

MAXIMUM YIELD = 77.11

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.530
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.600

OVERALL CLEAN COAL ASH CONTENT = 37.00

MAXIMUM YIELD = 82.41

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH X+Y +1/2	1.647
2	H/M CYCL X+Y 1/2 x 1/4	1.800
3	W/O CYCL X+Y 1/4x28M	1.800

HAT CRSEK Scheme ① x+y

** SIMON - CARVES OF CANADA **

FIBER Total 100.00

COMPOSITE OF PREDICTIONS

DATE: 17 MAY 78

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 28Mx0	21.90	.00	69.70
TOTAL	21.90	.00	1.00

VARIABLE PROCESS 1: 48.60% ROM

VARIABLE PROCESS 2: 8.80% ROM

VARIABLE PROCESS 3: 20.70% ROM

H/M BATH HT CK X+Y +1/2

H/M CYCL HT CK X+Y 1/2x1/4

H/M CYCL HT CK X+Y 1/4x28M

PD	% YLD	% ASH
1.500	62.17	19.20
1.600	71.84	22.89
1.700	78.45	26.21
1.800	84.25	29.33

PD	% YLD	% ASH
1.400	46.29	10.49
1.500	69.78	14.48
1.600	82.87	17.62
1.700	88.70	19.61
1.800	92.91	21.44

PD	% YLD	% ASH
1.400	24.59	10.20
1.500	41.11	13.70
1.600	53.10	17.12
1.700	61.86	19.96
1.800	68.47	22.31

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: H/M CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: H/M CYCL HT CK X+Y 1/4x28M
THIS TABLE FOR PD = 1.4

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	39.38	41.45	42.60	43.11	43.48
	% ASH	17.14	17.40	17.85	18.21	18.57
1.600	% YLD	44.08	46.15	47.30	47.81	48.18
	% ASH	20.28	20.37	20.71	21.00	21.30
1.700	% YLD	47.29	49.36	50.51	51.02	51.39
	% ASH	23.13	23.10	23.36	23.60	23.87
1.800	% YLD	50.11	52.18	53.33	53.84	54.21
	% ASH	25.86	25.72	25.90	26.11	26.34

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: H/M CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: H/M CYCL HT CK X+Y 1/4x28M
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	42.80	44.87	46.02	46.53	46.90
	% ASH	17.28	17.51	17.93	18.26	18.59
1.600	% YLD	47.50	49.56	50.72	51.23	51.60
	% ASH	20.18	20.27	20.59	20.86	21.14
1.700	% YLD	50.71	52.78	53.93	54.44	54.81
	% ASH	22.85	22.83	23.07	23.31	23.56
1.800	% YLD	53.53	55.60	56.75	57.26	57.63
	% ASH	25.41	25.30	25.48	25.68	25.90

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: H/M CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: H/M CYCL HT CK X+Y 1/4x28M
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 | 45.28 47.35 48.50 49.01 49.38
% ASH | 17.91 18.10 18.49 18.80 19.11

1.600 % YLD | 49.98 52.05 53.20 53.71 54.08
% ASH | 20.61 20.68 20.98 21.23 21.50

1.700 % YLD | 53.19 55.26 56.41 56.92 57.29
% ASH | 23.13 23.10 23.33 23.55 23.79

1.800 % YLD | 56.01 58.08 59.23 59.74 60.11
% ASH | 25.56 25.45 25.62 25.81 26.02

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: H/M CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: H/M CYCL HT CK X+Y 1/4x28M
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	47.09	49.16	50.31	50.83	51.20
	% ASH	18.65	18.81	19.16	19.45	19.75
1.600	% YLD	51.79	53.86	55.01	55.52	55.90
	% ASH	21.19	21.23	21.51	21.75	22.01
1.700	% YLD	55.01	57.07	58.22	58.74	59.11
	% ASH	23.59	23.55	23.76	23.97	24.20
1.800	% YLD	57.82	59.89	61.04	61.56	61.93
	% ASH	25.93	25.80	25.97	26.15	26.35

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: H/M CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: H/M CYCL HT CK X+Y 1/4x28M
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	48.46	50.53	51.68	52.19	52.56
	% ASH	19.38	19.50	19.83	20.11	20.39
1.600	% YLD	53.16	55.23	56.38	56.89	57.26
	% ASH	21.79	21.81	22.06	22.30	22.54
1.700	% YLD	56.37	58.44	59.59	60.11	60.48
	% ASH	24.09	24.03	24.23	24.43	24.65
1.800	% YLD	59.19	61.26	62.41	62.92	63.29
	% ASH	26.35	26.22	26.37	26.54	26.74

OVERALL CLEAN COAL ASH CONTENT = 20.00

MAXIMUM YIELD = 52.04

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.508
2	H/M CYCL HT CK X+Y 1/2x1/4	1.600
3	H/M CYCL HT CK X+Y 1/4x28M	1.800

AN OVERALL CLEAN COAL ASH VALUE OF 17% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 17.50

MAXIMUM YIELD = 44.77

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.500
2	H/M CYCL HT CK X+Y 1/2x1/4	1.495
3	H/M CYCL HT CK X+Y 1/4x28M	1.500

OVERALL CLEAN COAL ASH CONTENT = 22.00

MAXIMUM YIELD = 56.26

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.587
2	H/M CYCL HT CK X+Y 1/2x1/4	1.700
3	H/M CYCL HT CK X+Y 1/4x28M	1.800

OVERALL CLEAN COAL ASH CONTENT = 24.00

MAXIMUM YIELD = 59.49

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.669
2	H/M CYCL HT CK X+Y 1/2x1/4	1.800
3	H/M CYCL HT CK X+Y 1/4x28M	1.800

OVERALL CLEAN COAL ASH CONTENT = 26.50

MAXIMUM YIELD = 62.97

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.789
2	H/M CYCL HT CK X+Y 1/2x1/4	1.800
3	H/M CYCL HT CK X+Y 1/4x28M	1.400

** SIMON - CARVES OF CANADA **
 HMM 3855 K
X+Y
Scheme ③

COMPOSITE OF PREDICTIONS

DATE: 17 MAY 78

F1309
TOTAL WYPA

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 28Mx0	21.90	.00	69.70
TOTAL	21.90	.00	1.00

VARIABLE PROCESS 1: 48.60% ROM

H/M-BATH HT-CK X+Y +1/2

PD	% YLD	% ASH
1.500	62.17	19.20
1.600	71.84	22.89
1.700	78.45	26.21
1.800	84.25	29.33

VARIABLE PROCESS 2: 8.80% ROM

W/O CYCL HT-CK X+Y 1/2x1/4

PD	% YLD	% ASH
1.400	65.29	17.86
1.500	77.70	19.70
1.600	85.38	21.10
1.700	90.17	22.15
1.800	93.18	22.89

VARIABLE PROCESS 3: 20.70% ROM

W/O CYCL HT-CK X+Y 1/4x28M

PD	% YLD	% ASH
1.400	44.85	19.61
1.500	56.44	22.72
1.600	65.44	25.46
1.700	72.31	27.67
1.800	77.77	29.60

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: W/O CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: W/O CYCL HT CK X+Y 1/4x28M
THIS TABLE FOR PD = 1,4

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
H/M BATH						
1.500	% YLD	45.24	46.34	47.01	47.43	47.70
	% ASH	19.11	19.36	19.58	19.77	19.91
1.600	% YLD	49.94	51.04	51.71	52.13	52.40
	% ASH	21.70	21.87	22.04	22.19	22.31
1.700	% YLD	53.16	54.25	54.92	55.35	55.61
	% ASH	24.15	24.26	24.40	24.52	24.62
1.800	% YLD	55.97	57.07	57.74	58.16	58.43
	% ASH	26.54	26.59	26.70	26.80	26.88

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: W/O CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: W/O CYCL HT CK X+Y 1/4x28M
THIS TABLE FOR PD = 1.5

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
H/M BATH						
1.500	% YLD	47.64	48.74	49.41	49.83	50.10
	% ASH	19.90	20.11	20.32	20.49	20.62
1.600	% YLD	52.34	53.43	54.11	54.53	54.80
	% ASH	22.30	22.44	22.60	22.75	22.85
1.700	% YLD	55.56	56.65	57.32	57.74	58.01
	% ASH	24.61	24.70	24.83	24.95	25.04
1.800	% YLD	58.37	59.47	60.14	60.56	60.83
	% ASH	26.88	26.92	27.02	27.11	27.19

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: W/O CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: W/O CYCL HT CK X+Y 1/4x28M
THIS TABLE FOR PD = 1.6

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL					
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800	
H/M BATH							
1.500	% YLD	49.51	50.60	51.27	51.70	51.96	
	% ASH	20.76	20.94	21.13	21.29	21.41	
1.600	% YLD	54.21	55.30	55.97	56.40	56.66	
	% ASH	23.00	23.13	23.27	23.40	23.50	
1.700	% YLD	57.42	58.51	59.19	59.61	59.87	
	% ASH	25.20	25.28	25.39	25.50	25.59	
1.800	% YLD	60.24	61.33	62.01	62.43	62.69	
	% ASH	27.37	27.40	27.49	27.58	27.65	

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: W/O CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: W/O CYCL HT CK X+Y 1/4x28M
THIS TABLE FOR PD = 1.7

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
H/M BATH						
1.500	% YLD	50.93	52.02	52.70	53.12	53.38
	% ASH	21.54	21.70	21.88	22.03	22.14
1.600	% YLD	55.63	56.72	57.40	57.82	58.08
	% ASH	23.66	23.77	23.90	24.03	24.12
1.700	% YLD	58.84	59.93	60.61	61.03	61.29
	% ASH	25.77	25.83	25.94	26.04	26.12
1.800	% YLD	61.66	62.75	63.43	63.85	64.11
	% ASH	27.86	27.88	27.96	28.05	28.12

VARIABLE PROCESS 1: H/M BATH HT CK X+Y +1/2

VARIABLE PROCESS 2: W/O CYCL HT CK X+Y 1/2x1/4

VARIABLE PROCESS 3: W/O CYCL HT CK X+Y 1/4x28M
THIS TABLE FOR PD = 1.8

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL					
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800	
H/M BATH							
1.500	% YLD	52.06	53.15	53.83	54.25	54.51	
	% ASH	22.27	22.41	22.58	22.72	22.83	
1.600	% YLD	56.76	57.85	58.53	58.95	59.21	
	% ASH	24.28	24.38	24.51	24.62	24.71	
1.700	% YLD	59.97	61.06	61.74	62.16	62.42	
	% ASH	26.32	26.37	26.47	26.57	26.65	
1.800	% YLD	62.79	63.88	64.56	64.98	65.24	
	% ASH	28.35	28.37	28.44	28.52	28.59	

OVERALL CLEAN COAL ASH CONTENT = 20.00

MAXIMUM YIELD = 48.15

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.500
2	W/O CYCL HT CK X+Y 1/2x1/4	1.446
3	W/O CYCL HT CK X+Y 1/4x28M	1.500

OVERALL CLEAN COAL ASH CONTENT = 22.00

MAXIMUM YIELD = 53.28

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.528
2	W/O CYCL HT CK X+Y 1/2x1/4	1.800
3	W/O CYCL HT CK X+Y 1/4x28M	1.600

OVERALL CLEAN COAL ASH CONTENT = 24.00

MAXIMUM YIELD = 57.79

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y +1/2	1.594
2	W/O CYCL HT CK X+Y 1/2x1/4	1.800
3	W/O CYCL HT CK X+Y 1/4x28M	1.700

OVERALL CLEAN COAL ASH CONTENT = 26.00

MAXIMUM YIELD = 61.35

VAR. PROC. NO.	PROCESS	P.D.
----------------------	---------	------

1	H/M BATH HT CK X+Y 1/2	1.000
2	W/O CYCL HT CK X+Y 1/2x1/4	1.800
3	W/O CYCL HT CK X+Y 1/4x28M	1.800

OVERALL CLEAN COAL ASH CONTENT = 28.00

MAXIMUM YIELD = 64.39

VAR.
PROC.

NO.	PROCESS	P.D.
1	H/M BATH HT CK X+Y 1/2	1.770
2	W/O CYCL HT CK X+Y 1/2x1/4	1.800
3	W/O CYCL HT CK X+Y 1/4x28M	1.500

	YLD	ASH
	1	2
FIXED PROC. NO. 1	80.00	69.70
FIXED PROC. NO. 2	8.80	24.72
FIXED PROC. NO. 3	100.00	37.94

	YLD	ASH
	1	2
FIXED PROC. NO. 1	80.00	69.70
FIXED PROC. NO. 2	100.00	24.72
FIXED PROC. NO. 3	100.00	37.94

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 813

DATA SET NAME: HAT CREEK Z +4

GIVEN WASHABILITY DATA

S.G. 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)

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

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)

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

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)

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

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)

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

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	19.80	19.80	6.10	6.10
1.400 - 1.450	8.40	28.20	14.20	8.51
1.450 - 1.500	9.60	37.80	19.10	11.20
1.500 - 1.600	18.70	56.50	25.70	16.00
1.600 - 1.800	25.00	81.50	33.30	21.31
1.800 - 2.400	18.50	100.00	62.10	28.85

HEAD ASH OF WASHABILITY DATA = 28.85

(HEAD ASH OF BULK SAMPLE = 28.90)

**** SIMON - CARVES OF CANADA ****

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	21.50	21.50	6.40	6.40
1.400 - 1.450	6.30	27.80	11.20	7.49
1.450 - 1.500	3.70	31.50	19.00	8.84
1.500 - 1.600	13.10	44.60	21.30	12.50
1.600 - 1.800	16.90	61.50	32.90	18.11
1.800 - 2.400	38.50	100.00	46.90	29.19

HEAD ASH OF WASHABILITY DATA = 29.19

(HEAD ASH OF BULK SAMPLE = 29.20)

**** SIMON - CARVES OF CANADA ****

DATA SET NUMBER: 851
DATA SET NAME: Z 1/2x1/4 WET ATR

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	43.90	43.90	11.30	11.30
1.400 - 1.450	14.40	58.30	22.20	13.99
1.450 - 1.500	7.20	65.50	27.60	15.49
1.500 - 1.600	9.50	75.00	32.90	17.69
1.600 - 1.800	16.20	91.20	43.60	22.30
1.800 - 2.400	8.80	100.00	58.30	25.46

HEAD ASH OF WASHABILITY DATA = 25.46
(HEAD ASH OF BULK SAMPLE = 25.46)

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

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)

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

DATA SET NUMBER: 855

DATA SET NAME: HT CR Z MOD 4x1/2

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	62.82	62.82	13.58	13.58
1.400 - 1.450	13.08	75.90	23.78	15.34
1.450 - 1.500	11.33	87.23	34.27	17.80
1.500 - 1.600	8.18	95.41	38.05	19.53
1.600 - 1.800	3.10	98.51	48.27	20.44
1.800 - 2.400	1.49	100.00	58.12	21.00

HEAD ASH OF WASHABILITY DATA = 21.00

(HEAD ASH OF BULK SAMPLE = 21.00)

** 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: 857
DATA SET NAME: HT CR Z ATT 4x100

GIVEN WASHABILITY DATA

S.G. FRACTION	FLOATS	CUM. FLOATS	ASH	CUM. ASH
0.000 - 1.400	38.10	38.10	11.11	11.11
1.400 - 1.450	11.17	49.27	19.90	13.10
1.450 - 1.500	9.39	58.66	25.96	15.16
1.500 - 1.600	13.31	71.97	29.06	17.73
1.600 - 1.800	16.38	88.35	36.59	21.23
1.800 - 2.200	11.65	100.00	60.23	25.77

HEAD ASH OF WASHABILITY DATA = 25.77
(HEAD ASH OF BULK SAMPLE = 25.77)

** 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	99.68	10.92	.03
1.300	1.350	32.13	43.09	15.91	98.44	31.63	.50
1.350	1.375	10.28	53.37	21.34	93.39	9.60	.68
1.375	1.400	9.45	62.82	24.38	68.93	6.51	2.94
1.400	1.425	8.17	70.99	28.15	30.35	2.48	5.69
1.425	1.450	4.91	75.90	34.20	13.37	.66	4.26
1.450	1.475	4.60	80.50	41.55	8.25	.38	4.22
1.475	1.500	6.73	87.23	45.88	5.74	.39	6.34
1.500	1.550	6.66	93.89	47.74	3.13	.21	6.45
1.550	1.600	1.52	95.41	52.69	1.29	.02	1.50
1.600	1.700	2.52	97.93	59.88	.00	.00	2.52
1.700	1.800	.58	98.51	69.60	.00	.00	.58
1.800	1.900	.85	99.36	72.68	.00	.00	.85
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 = 1.339

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	10.95	11.82	11.82	100.00	10.95	.00
1.300 1.350	32.13	43.09	15.91	14.07	99.79	32.07	.07
1.350 1.400	19.73	62.82	22.73	17.34	97.79	19.30	.44
1.400 1.425	8.17	70.99	28.15	18.58	91.28	7.45	.71
1.425 1.450	4.91	75.90	34.20	19.59	66.54	3.27	1.64
1.450 1.475	4.60	80.50	41.55	20.85	32.71	1.51	3.10
1.475 1.500	6.73	87.23	45.88	22.78	15.08	1.01	5.71
1.500 1.525	4.12	91.35	47.40	23.89	9.62	.40	3.72
1.525 1.550	2.54	93.89	48.65	24.56	6.67	.17	2.37
1.550 1.575	.85	94.74	51.03	24.80	4.89	.04	.81
1.575 1.600	.67	95.41	55.12	25.01	3.41	.02	.65
1.600 1.650	1.92	97.33	58.81	25.68	1.98	.04	1.89
1.650 1.700	.60	97.93	63.81	25.91	.76	.00	.59
1.700 1.800	.58	98.51	69.60	26.17	.00	.00	.58
1.800 1.900	.85	99.36	72.68	26.57	.00	.00	.85
1.900 2.000	.64	100.00	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%

PREDICTED REJECTS 23.76%

ORGANIC EFFICIENCY 97.46%

PD = 1.450

ASH 48.26%

EP = .0193

** 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

F2 = 1.200

PREDICTED YIELD

85.97%

YIELD ERROR

.74%

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	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	98.95	12.94	.14
1.450 1.475	4.60	80.50	41.55	20.76	97.55	4.49	.11
1.475 1.500	6.73	87.23	45.88	22.69	95.14	6.40	.33
1.500 1.525	4.12	91.35	47.40	23.81	86.02	3.54	.58
1.525 1.550	2.54	93.89	48.65	24.48	63.17	1.60	.94
1.550 1.575	.85	94.74	51.03	24.72	36.18	.31	.54
1.575 1.600	.67	95.41	55.12	24.93	17.93	.12	.55
1.600 1.625	1.20	96.61	57.71	25.34	11.90	.14	1.06
1.625 1.650	.72	97.33	60.71	25.60	8.55	.06	.66
1.650 1.675	.40	97.73	63.16	25.75	6.53	.03	.37
1.675 1.700	.20	97.93	65.20	25.83	5.14	.01	.19
1.700 1.750	.20	98.13	67.69	25.92	3.33	.01	.19
1.750 1.800	.38	98.51	70.32	26.09	1.86	.01	.37
1.800 1.850	.49	99.00	71.95	26.32	.91	.00	.49
1.850 1.900	.36	99.36	73.81	26.49	.12	.00	.36
1.900 2.000	.64	100.00	77.14	26.81	.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%

PREDICTED REJECTS 7.51%

ORGANIC EFFICIENCY 99.56%

PD = 1.550

ASH 58.80%

EP = .0244

** 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	99.82	13.06	.02
1.450	1.500	11.33	87.23	44.82	98.61	11.17	.16
1.500	1.525	4.12	91.35	47.40	97.20	4.00	.12
1.525	1.550	2.54	93.89	48.65	93.92	2.39	.15
1.550	1.575	.85	94.74	51.03	83.42	.71	.14
1.575	1.600	.67	95.41	55.12	61.94	.42	.26
1.600	1.625	1.20	96.61	57.71	37.48	.45	.75
1.625	1.650	.72	97.33	60.71	19.34	.14	.58
1.650	1.675	.40	97.73	63.16	12.88	.05	.35
1.675	1.700	.20	97.93	65.20	9.53	.02	.18
1.700	1.725	.11	98.04	66.94	7.23	.01	.10
1.725	1.750	.09	98.13	68.45	5.84	.01	.09
1.750	1.775	.15	98.28	69.66	4.57	.01	.14
1.775	1.800	.23	98.51	70.67	3.52	.01	.23
1.800	1.850	.49	99.00	71.95	2.42	.01	.48
1.850	1.900	.36	99.36	73.81	1.35	.00	.35
1.900	1.950	.29	99.66	75.98	.55	.00	.29
1.950	2.000	.34	100.00	78.08	.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

F2 = 1.200

PD = 1.600

EP = .0269

PREDICTED YIELD 95.27%

ASH 25.05%

PREDICTED REJECTS 4.73%

ASH 63.93%

YIELD ERROR .26%

ASH ERROR .08%

ORGANIC EFFICIENCY 99.73%

** 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	100.00	13.08	.00
1.450 1.500	11.33	87.23	44.82	22.78	99.52	11.28	.05
1.500 1.550	6.66	93.89	47.74	24.55	98.24	6.54	.12
1.550 1.575	.85	94.74	51.03	24.79	96.67	.82	.03
1.575 1.600	.67	95.41	55.12	25.01	92.79	.62	.05
1.600 1.625	1.20	96.61	57.71	25.41	80.98	.97	.23
1.625 1.650	.72	97.33	60.71	25.67	60.92	.44	.28
1.650 1.675	.40	97.73	63.16	25.83	38.56	.15	.24
1.675 1.700	.20	97.93	65.20	25.91	20.80	.04	.16
1.700 1.725	.11	98.04	66.94	25.95	13.89	.01	.09
1.725 1.750	.09	98.13	68.45	25.99	10.48	.01	.08
1.750 1.775	.15	98.28	69.66	26.06	7.96	.01	.13
1.775 1.800	.23	98.51	70.67	26.16	6.44	.02	.22
1.800 1.825	.27	98.78	71.55	26.28	5.29	.01	.25
1.825 1.850	.23	99.00	72.44	26.39	4.15	.01	.22
1.850 1.900	.36	99.36	73.81	26.56	2.94	.01	.35
1.900 1.950	.29	99.66	75.98	26.71	1.79	.01	.29
1.950 2.000	.34	100.00	78.08	26.88	1.00	.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

F2 = 1.200

PD = 1.650

EP = .0294

PREDICTED YIELD 96.86%

ASH 25.56%

PREDICTED REJECTS 3.14%

ASH 67.87%

YIELD ERROR .15%

ASH ERROR .05%

ORGANIC EFFICIENCY 99.85%

** 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	8.60	.18
1.300 1.325	16.80	25.57	15.65	15.15	97.34	16.35	.45
1.325 1.350	13.99	39.56	17.95	16.14	94.32	13.19	.79
1.350 1.375	12.93	52.49	19.46	16.96	84.34	10.91	2.03
1.375 1.400	9.41	61.90	20.95	17.57	62.35	5.87	3.54
1.400 1.425	2.71	64.61	23.44	17.81	37.05	1.01	1.71
1.425 1.450	1.29	65.90	34.79	18.14	18.83	.24	1.04
1.450 1.475	6.45	72.35	41.36	20.21	12.53	.81	5.64
1.475 1.500	11.55	83.90	46.42	23.82	9.18	1.06	10.49
1.500 1.525	5.41	89.31	48.43	25.31	6.98	.38	5.04
1.525 1.550	2.65	91.96	49.99	26.02	5.61	.15	2.50
1.550 1.600	1.64	93.60	53.76	26.51	3.77	.06	1.57
1.600 1.650	2.88	96.48	57.82	27.45	2.23	.06	2.82
1.650 1.700	1.60	98.09	61.90	28.01	1.20	.02	1.58
1.700 1.750	.88	98.97	65.76	28.35	.39	.00	.88
1.750 1.800	.63	99.60	69.41	28.61	.00	.00	.63
1.800 1.900	.40	100.00	72.42	28.78	.00	.00	.40

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

F2 = 1.200

PD = 1.400

EP = .0260

PREDICTED YIELD 58.71%

ASH 18.72%

PREDICTED REJECTS 41.29%

ASH 43.09%

YIELD ERROR 8.98%

ASH ERROR 1.36%

ORGANIC EFFICIENCY 86.73%

** 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	99.00	8.68
1.300	1.350	30.79	39.56	16.70	16.14	98.16	30.22
1.350	1.375	12.93	52.49	19.46	16.96	96.55	12.49
1.375	1.400	9.41	61.90	20.95	17.56	92.56	9.71
1.400	1.425	2.71	64.61	23.44	17.81	80.56	2.19
1.425	1.450	1.29	65.90	34.79	18.14	60.74	.78
1.450	1.475	6.45	72.35	41.36	20.21	38.74	2.50
1.475	1.500	11.55	83.90	46.42	23.82	21.07	2.43
1.500	1.525	5.41	89.31	48.43	25.31	14.00	.76
1.525	1.550	2.65	91.96	49.99	26.02	10.64	.28
1.550	1.575	.77	92.73	52.18	26.24	8.10	.06
1.575	1.600	.87	93.60	55.14	26.51	6.54	.06
1.600	1.625	1.64	95.24	56.91	27.03	5.41	.09
1.625	1.650	1.24	96.48	59.05	27.45	4.27	.05
1.650	1.700	1.60	98.09	61.90	28.01	3.03	.05
1.700	1.750	.88	98.97	65.76	28.35	1.88	.02
1.750	1.800	.63	99.60	69.41	28.60	1.07	.01
1.800	1.850	.33	99.93	72.01	28.75	.36	.00
1.850	1.900	.07	100.00	74.83	28.78	.00	.00

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

F2 = 1.200

PREDICTED YIELD 69.38%

ASH 20.44%

YIELD ERROR 3.70%

ASH ERROR 1.18%

PREDICTED REJECTS 30.62%

ASH 47.67%

ORGANIC EFFICIENCY 94.93%

PD = 1.450

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.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.290	1.300	8.77	8.77	14.19	14.19	99.60	8.74	.04
1.300	1.350	30.79	39.56	16.70	16.14	98.99	30.48	.31
1.350	1.400	22.34	61.90	19.98	17.53	97.65	21.82	.53
1.400	1.425	2.71	64.61	23.44	17.77	95.29	2.59	.13
1.425	1.450	1.29	65.90	34.79	18.11	90.41	1.16	.12
1.450	1.475	6.45	72.35	41.36	20.18	77.49	5.00	1.45
1.475	1.500	11.55	83.90	46.42	23.79	59.50	6.87	4.68
1.500	1.525	5.41	89.31	48.43	25.29	40.06	2.17	3.24
1.525	1.550	2.65	91.96	49.99	26.00	23.15	.61	2.04
1.550	1.575	.77	92.73	52.18	26.21	15.64	.12	.65
1.575	1.600	.87	93.60	55.14	26.48	11.79	.10	.77
1.600	1.625	1.64	95.24	56.91	27.01	9.28	.15	1.49
1.625	1.650	1.24	96.48	59.05	27.42	7.44	.09	1.15
1.650	1.675	.92	97.41	61.10	27.74	6.24	.06	.87
1.675	1.700	.68	98.09	63.06	27.98	5.25	.04	.64
1.700	1.750	.88	98.97	65.76	28.32	3.83	.03	.85
1.750	1.800	.63	99.60	69.41	28.58	2.57	.02	.61
1.800	1.850	.33	99.93	72.01	28.72	1.64	.01	.32
1.850	1.900	.07	100.00	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 60.05%

YIELD ERROR 2.35%

F2 = 1.200

ASH 23.32%

ASH ERROR .73%

PREDICTED REJECTS 19.95%

ORGANIC EFFICIENCY 97.15%

PD = 1.500

ASH 50.56%

EP = .0337

** 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	8.77	.01
1.300 1.350	30.79	39.56	16.70	16.14	99.54	30.64	.14
1.350 1.400	22.34	61.90	19.98	17.53	98.61	22.03	.31
1.400 1.450	4.00	65.90	25.46	18.01	97.29	3.89	.11
1.450 1.475	6.45	72.35	41.36	20.09	93.94	6.06	.39
1.475 1.500	11.55	83.90	46.42	23.71	87.93	10.15	1.39
1.500 1.525	5.41	89.31	48.43	25.21	74.96	4.06	1.36
1.525 1.550	2.65	91.96	49.99	25.93	58.51	1.55	1.10
1.550 1.575	.77	92.73	52.18	26.14	41.11	.31	.45
1.575 1.600	.87	93.60	55.14	26.41	25.03	.22	.65
1.600 1.625	1.64	95.24	56.91	26.94	16.94	.28	1.36
1.625 1.650	1.24	96.48	59.05	27.35	12.87	.16	1.08
1.650 1.675	.92	97.41	61.10	27.67	10.43	.10	.83
1.675 1.700	.68	98.09	63.06	27.92	8.37	.06	.62
1.700 1.725	.50	98.59	64.97	28.11	6.99	.03	.47
1.725 1.750	.38	98.97	66.82	28.26	6.01	.02	.36
1.750 1.775	.32	99.29	68.59	28.39	5.12	.02	.30
1.775 1.800	.31	99.60	70.25	28.52	4.23	.01	.29
1.800 1.850	.33	99.93	72.01	28.66	3.22	.01	.32
1.850 1.900	.07	100.00	74.83	28.69	2.24	.00	.07

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%

PREDICTED REJECTS 11.62%

ORGANIC EFFICIENCY 98.35%

PD = 1.550

ASH 54.03%

EP = .0376

** 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	100.00	8.77	.00
1.300 1.350	30.79	39.56	16.70	16.14	99.87	30.74	.04
1.350 1.400	22.34	61.90	19.98	17.53	99.17	22.16	.19
1.400 1.450	4.00	65.90	25.46	18.01	98.20	3.93	.07
1.450 1.475	6.45	72.35	41.36	20.09	97.28	6.28	.18
1.475 1.500	11.55	83.90	46.42	23.71	95.82	11.07	.48
1.500 1.525	5.41	89.31	48.43	25.21	92.68	5.02	.40
1.525 1.550	2.65	91.96	49.99	25.93	85.50	2.27	.38
1.550 1.575	.77	92.73	52.18	26.14	72.84	.56	.21
1.575 1.600	.87	93.60	55.14	26.41	57.71	.50	.37
1.600 1.625	1.64	95.24	56.91	26.94	41.97	.69	.95
1.625 1.650	1.24	96.48	59.05	27.35	26.77	.33	.91
1.650 1.675	.92	97.41	61.10	27.67	18.20	.17	.76
1.675 1.700	.68	98.09	63.06	27.92	13.98	.09	.58
1.700 1.725	.50	98.59	64.97	28.11	11.37	.06	.44
1.725 1.750	.38	98.97	66.82	28.26	9.34	.04	.35
1.750 1.775	.32	99.29	68.59	28.39	7.76	.02	.30
1.775 1.800	.31	99.60	70.25	28.52	6.67	.02	.29
1.800 1.825	.23	99.83	71.65	28.61	5.83	.01	.21
1.825 1.850	.10	99.93	72.99	28.66	5.01	.00	.09
1.850 1.900	.07	100.00	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

F2 = 1.200

PD = 1.600

EP = .0414

PREDICTED YIELD 92.73%

ASH 26.45%

PREDICTED REJECTS 7.27%

ASH 57.29%

YIELD ERROR .98%

ASH ERROR .31%

ORGANIC EFFICIENCY 98.95%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292 1.300	2.39	2.39	2.00	2.00	96.63	2.31	.08
1.300 1.325	5.73	8.12	3.49	3.05	94.57	5.42	.31
1.325 1.350	4.22	12.34	5.87	4.02	88.28	3.73	.49
1.350 1.375	3.59	15.93	8.24	4.97	73.99	2.66	.93
1.375 1.400	3.87	19.80	10.65	6.08	58.11	2.25	1.62
1.400 1.425	4.19	23.99	12.97	7.28	41.79	1.75	2.44
1.425 1.450	4.21	28.20	15.43	8.50	25.96	1.09	3.12
1.450 1.475	4.69	32.89	17.90	9.84	13.05	.61	4.08
1.475 1.500	4.91	37.80	20.26	11.19	6.59	.32	4.59
1.500 1.525	4.17	41.97	22.56	12.32	3.89	.16	4.01
1.525 1.550	4.33	46.30	24.82	13.49	2.59	.11	4.21
1.550 1.600	10.20	56.50	27.41	16.00	2.17	.22	9.98
1.600 1.650	9.26	65.76	29.80	17.95	1.35	.12	9.13
1.650 1.700	7.75	73.51	32.09	19.44	1.15	.09	7.66
1.700 1.750	4.41	77.93	35.80	20.36	.92	.04	4.37
1.750 1.800	3.57	81.50	41.59	21.30	.50	.02	3.56
1.800 1.850	4.46	85.96	47.08	22.63	.14	.01	4.46
1.850 1.900	3.46	89.37	53.18	23.80	.00	.00	3.40
1.900 2.000	4.43	93.80	61.00	25.55	.00	.00	4.43
2.000 2.100	2.41	96.21	69.53	26.66	.00	.00	2.41
2.100 2.200	1.44	97.65	76.53	27.39	.00	.00	1.44
2.200 2.300	1.16	98.80	82.60	28.04	.00	.00	1.16
2.300 2.400	1.20	100.00	88.20	28.76	.00	.00	1.20

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.362

AVERAGE S.G. SINKS = 1.667

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.109

F2 = 1.200

F3 = 1.060

PD = 1.400

EP = .0392

PREDICTED YIELD 20.91%

ASH 8.12%

PREDICTED REJECTS 79.09%

ASH 34.21%

YIELD ERROR 5.99%

ASH ERROR 1.73%

ORGANIC EFFICIENCY 77.72%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28H

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	98.92	2.36
1.300	1.350	9.95	12.34	4.47	3.49	98.82	9.83
1.350	1.400	7.46	19.80	9.49	6.06	97.26	7.26
1.400	1.425	4.19	23.99	12.97	7.27	93.34	3.91
1.425	1.450	4.21	28.20	15.43	8.42	85.51	3.60
1.450	1.475	4.69	32.89	17.90	9.83	71.99	3.37
1.475	1.500	4.91	37.80	20.26	11.18	57.39	2.82
1.500	1.525	4.17	41.97	22.56	12.31	42.53	1.77
1.525	1.550	4.33	46.30	24.82	13.48	27.88	1.21
1.550	1.575	5.19	51.48	26.69	14.81	15.59	.81
1.575	1.600	5.02	56.50	28.07	15.99	7.75	.39
1.600	1.625	4.53	61.03	29.26	16.98	4.93	.22
1.625	1.650	4.73	65.76	30.32	17.94	3.03	.14
1.650	1.700	7.75	73.51	32.09	19.43	2.30	.18
1.700	1.750	4.41	77.93	35.80	20.36	1.58	.07
1.750	1.800	3.57	81.50	41.59	21.29	1.20	.04
1.800	1.850	4.46	85.96	47.08	22.63	1.09	.05
1.850	1.900	3.40	89.37	53.18	23.79	.78	.03
1.900	1.950	2.55	91.91	58.90	24.76	.40	.01
1.950	2.000	1.88	93.80	63.73	25.54	.10	.00
2.000	2.100	2.41	96.21	69.53	26.65	.00	.00
2.100	2.200	1.44	97.65	76.53	27.38	.00	.00
2.200	2.300	1.16	98.80	82.60	28.03	.00	.00
2.300	2.400	1.20	100.00	88.20	28.75	.00	.00

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.407

AVERAGE S.G. SINKS = 1.724

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.109

F2 = 1.200

F3 = 1.040

PD = 1.500

EP = .0430

PREDICTED YIELD 38.08%

ASH 12.32%

PREDICTED REJECTS 41.92%

ASH 38.85%

YIELD ERROR 3.91%

ASH ERROR 1.06%

ORGANIC EFFICIENCY 90.70%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	99.60	2.38
1.300	1.350	9.95	12.34	4.47	3.49	99.38	9.89
1.350	1.400	7.46	19.80	9.49	6.06	98.93	7.38
1.400	1.450	8.40	28.20	14.19	8.48	98.63	8.28
1.450	1.475	4.69	32.89	17.90	9.83	97.32	4.56
1.475	1.500	4.91	37.80	20.26	11.18	95.59	4.70
1.500	1.525	4.17	41.97	22.56	12.31	91.99	3.84
1.525	1.550	4.33	46.30	24.82	13.48	82.88	3.59
1.550	1.575	5.19	51.48	26.69	14.81	70.28	3.64
1.575	1.600	5.02	56.50	28.07	15.99	56.78	2.85
1.600	1.625	4.53	61.03	29.26	16.97	43.15	1.96
1.625	1.650	4.73	65.76	30.32	17.93	29.54	1.40
1.650	1.675	4.28	70.04	31.49	18.76	17.91	.77
1.675	1.700	3.47	73.51	32.98	19.43	9.21	.32
1.700	1.725	2.57	76.08	34.91	19.96	5.86	.15
1.725	1.750	1.84	77.93	37.23	20.37	3.67	.07
1.750	1.800	3.57	81.50	41.59	21.30	2.42	.09
1.800	1.850	4.46	85.96	47.08	22.64	1.90	.08
1.850	1.900	3.40	89.37	53.18	23.80	1.30	.04
1.900	1.950	2.55	91.91	58.90	24.77	1.15	.03
1.950	2.000	1.88	93.80	63.73	25.55	1.00	.02
2.000	2.050	1.38	95.18	67.93	26.17	.66	.01
2.050	2.100	1.03	96.21	71.70	26.65	.32	.00
2.100	2.150	.79	97.00	75.11	27.05	.07	.00
2.150	2.200	.65	97.65	78.26	27.39	.00	.00
2.200	2.300	1.16	98.80	82.60	28.04	.00	.00
2.300	2.400	1.20	100.00	88.20	28.76	.00	.00

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.454

AVERAGE S.G. SINKS = 1.792

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.109	PREDICTED YIELD	56.04%	YIELD ERROR	2.58%
F2 = 1.200	ASH	16.45%	ASH ERROR	.57%
F3 = 1.060	PREDICTED REJECTS	43.96%	ORGANIC EFFICIENCY	95.59%
PD = 1.600	ASH	44.44%		
EP = .0468				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	99.93	2.39
1.300	1.350	9.95	12.34	4.47	3.29	99.84	9.93
1.350	1.400	7.46	19.80	9.49	6.06	99.58	7.43
1.400	1.450	8.40	28.20	14.19	8.48	99.20	8.33
1.450	1.500	9.60	37.80	19.12	11.19	98.88	9.49
1.500	1.550	8.50	46.30	23.75	13.49	98.29	8.35
1.550	1.575	5.19	51.48	26.69	14.82	96.81	5.02
1.575	1.600	5.02	56.50	28.07	16.00	94.52	4.74
1.600	1.625	4.53	61.03	29.26	16.98	90.38	4.10
1.625	1.650	4.73	65.76	30.32	17.94	80.53	3.81
1.650	1.675	4.28	70.04	31.49	18.77	68.81	2.95
1.675	1.700	3.47	73.51	32.98	19.44	56.27	1.95
1.700	1.725	2.57	76.08	34.91	19.96	43.67	1.12
1.725	1.750	1.84	77.93	37.23	20.37	31.00	.57
1.750	1.775	1.57	79.49	39.92	20.76	19.99	.31
1.775	1.800	2.01	81.50	42.87	21.30	10.97	.22
1.800	1.825	2.38	83.88	45.68	21.99	6.64	.16
1.825	1.850	2.09	85.96	48.73	22.64	4.48	.09
1.850	1.900	3.40	89.37	53.18	23.80	2.64	.09
1.900	1.950	2.55	91.91	58.90	24.78	2.18	.06
1.950	2.000	1.88	93.80	63.73	25.56	1.47	.03
2.000	2.050	1.38	95.18	67.93	26.17	1.20	.02
2.050	2.100	1.03	96.21	71.70	26.66	1.11	.01
2.100	2.150	.79	97.00	75.11	27.06	.88	.01
2.150	2.200	.65	97.65	78.26	27.40	.56	.00
2.200	2.250	.58	98.23	81.20	27.72	.25	.00
2.250	2.300	.57	98.80	84.02	28.04	.05	.00
2.300	2.400	1.20	100.00	88.20	28.76	.00	.00

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.492

AVERAGE S.G. SINKS = 1.875

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.109

F2 = 1.200

F3 = 1.060

FD = 1.700

EP = .0507

PREDICTED YIELD 71.18%

ASH 19.45%

PREDICTED REJECTS 28.82%

ASH 51.78%

YIELD ERROR 2.35%

ASH ERROR .46%

ORGANIC EFFICIENCY 96.80%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 10 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	100.00	2.39
1.300	1.350	9.95	12.34	4.47	3.49	99.99	9.95
1.350	1.400	7.46	19.80	9.49	6.06	99.91	7.46
1.400	1.450	8.40	28.20	14.19	8.48	99.71	8.38
1.450	1.500	9.60	37.80	19.12	11.19	99.42	9.54
1.500	1.550	8.50	46.30	23.75	13.49	99.02	8.41
1.550	1.600	10.20	56.50	27.41	16.01	98.84	10.08
1.600	1.650	9.26	65.76	29.80	17.95	97.83	9.06
1.650	1.675	4.28	70.04	31.49	18.78	96.16	4.12
1.675	1.700	3.47	73.51	32.98	19.45	93.56	3.25
1.700	1.725	2.57	76.08	34.91	19.97	88.51	2.27
1.725	1.750	1.84	77.93	37.23	20.38	78.47	1.45
1.750	1.775	1.57	79.49	39.92	20.76	67.52	1.06
1.775	1.800	2.01	81.50	42.87	21.31	55.82	1.12
1.800	1.825	2.38	83.88	45.68	22.00	44.12	1.05
1.825	1.850	2.09	85.96	48.73	22.45	32.27	.67
1.850	1.875	1.82	87.78	51.79	23.25	21.82	.40
1.875	1.900	1.58	89.37	54.79	23.81	12.83	.20
1.900	1.925	1.37	90.73	57.66	24.32	7.52	.10
1.925	1.950	1.18	91.91	60.32	24.78	5.35	.06
1.950	2.000	1.88	93.80	63.73	25.56	3.00	.06
2.000	2.050	1.38	95.18	67.93	26.18	2.29	.03
2.050	2.100	1.03	96.21	71.70	26.67	1.70	.02
2.100	2.150	.79	97.00	75.11	27.06	1.28	.01
2.150	2.200	.65	97.65	78.26	27.40	1.15	.01
2.200	2.250	.58	98.23	81.20	27.72	1.05	.01
2.250	2.300	.57	98.80	84.02	28.05	.78	.00
2.300	2.350	.59	99.39	86.78	28.39	.47	.00
2.350	2.400	.61	100.00	89.57	28.77	.20	.00

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.521

AVERAGE S.G. SINKS = 1.954

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.109

PREDICTED YIELD 81.16%

YIELD ERROR 1.62%

F2 = 1.200

ASH 21.68%

ASH ERROR .47%

F3 = 1.060

PREDICTED REJECTS 18.84%

ORGANIC EFFICIENCY 98.04%

PD = 1.800

ASH 59.22%

EP = .0545

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x20M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292 1.300	.82	.82	2.00	2.00	65.80	.54	.28
1.300 1.350	3.95	4.76	4.47	4.05	60.34	2.38	1.57
1.350 1.400	3.49	8.25	9.49	6.35	53.28	1.86	1.63
1.400 1.450	4.49	12.74	14.19	9.11	46.57	2.09	2.40
1.450 1.500	5.79	18.52	19.12	12.24	39.72	2.30	3.49
1.500 1.550	5.73	24.25	23.75	14.96	32.59	1.87	3.86
1.550 1.600	7.43	31.68	27.41	17.88	27.22	2.02	5.40
1.600 1.650	7.16	38.83	29.80	20.07	22.72	1.63	5.53
1.650 1.700	6.32	45.15	32.09	21.76	18.49	1.17	5.15
1.700 1.750	3.74	48.90	35.80	22.83	15.21	.57	3.17
1.750 1.800	3.14	52.03	41.59	23.96	12.25	.38	2.75
1.800 1.850	4.03	56.06	47.08	25.62	9.75	.39	3.64
1.850 1.900	3.13	59.19	53.18	27.08	7.94	.25	2.88
1.900 1.950	2.38	61.57	58.90	28.31	6.67	.16	2.22
1.950 2.000	1.78	63.35	63.73	29.30	5.60	.10	1.68
2.000 2.050	1.32	64.67	67.93	30.09	4.46	.06	1.26
2.050 2.100	.99	65.66	71.70	30.72	3.36	.03	.96
2.100 2.150	.77	66.43	75.11	31.24	2.39	.02	.75
2.150 2.200	.64	67.07	78.26	31.69	1.60	.01	.63
2.200 2.250	.58	67.65	81.20	32.11	.95	.01	.57
2.250 2.300	.57	68.22	84.02	32.54	.25	.00	.57
2.300 2.350	.59	68.81	86.78	33.01	.00	.00	.59
2.350 2.400	.61	69.42	89.57	33.50	.00	.00	.61

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.659

AVERAGE S.G. FLOATS = 1.515

AVERAGE S.G. SINKS = 1.708

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.400

EP = .1924

PREDICTED YIELD 17.83%

ASH 21.40%

PREDICTED REJECTS 51.59%

ASH 37.68%

YIELD ERROR 26.00%

ASH ERROR 9.54%

ORGANIC EFFICIENCY 40.68%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292 1.300	2.39	2.39	2.00	2.00	75.50	1.80	.59
1.300 1.350	9.95	12.34	4.47	3.99	72.30	7.19	2.76
1.350 1.400	7.46	19.80	9.49	6.06	65.52	4.89	2.57
1.400 1.450	8.40	28.20	14.19	8.48	58.23	4.89	3.51
1.450 1.500	9.60	37.80	19.12	11.19	52.71	5.06	4.54
1.500 1.550	8.50	46.30	23.75	13.49	47.18	4.01	4.49
1.550 1.600	10.20	56.50	27.41	16.01	41.55	4.24	5.96
1.600 1.650	9.26	65.76	29.80	17.95	35.74	3.31	5.95
1.650 1.700	7.75	73.51	32.09	19.44	30.24	2.34	5.41
1.700 1.750	4.41	77.93	35.80	20.37	26.38	1.16	3.25
1.750 1.800	3.57	81.50	41.59	21.30	22.63	.81	2.77
1.800 1.850	4.46	85.96	47.08	22.64	19.08	.85	3.61
1.850 1.900	3.40	89.37	53.18	23.80	16.27	.55	2.85
1.900 1.950	2.55	91.91	58.90	24.77	13.73	.35	2.20
1.950 2.000	1.88	93.80	63.73	25.55	11.43	.22	1.67
2.000 2.050	1.38	95.18	67.93	26.17	9.48	.13	1.25
2.050 2.100	1.03	96.21	71.70	26.66	8.02	.08	.94
2.100 2.150	.79	97.00	75.11	27.05	6.93	.05	.74
2.150 2.200	.65	97.65	78.26	27.39	6.03	.04	.61
2.200 2.250	.58	98.23	81.20	27.71	5.15	.03	.55
2.250 2.300	.57	98.80	84.02	28.04	4.19	.02	.55
2.300 2.350	.59	99.39	86.78	28.38	3.30	.02	.57
2.350 2.400	.61	100.00	89.57	28.76	2.50	.02	.59

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.499

AVERAGE S.G. SINKS = 1.678

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.500

EP = .2220

PREDICTED YIELD 42.08%

ASH 20.02%

PREDICTED REJECTS 57.92%

ASH 35.11%

YIELD ERROR 34.18%

ASH ERROR 7.67%

ORGANIC EFFICIENCY 55.18%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292 1.300	.59	.59	2.00	2.00	75.50	.44	.14
1.300 1.350	2.76	3.34	4.47	4.04	72.30	1.99	.76
1.350 1.400	2.57	5.91	9.49	6.41	65.52	1.69	.89
1.400 1.450	3.51	9.42	14.19	9.31	58.23	2.04	1.47
1.450 1.500	4.54	13.96	19.12	12.50	52.71	2.39	2.15
1.500 1.550	4.49	18.45	23.75	15.23	47.18	2.12	2.37
1.550 1.600	5.96	24.41	27.41	18.21	41.55	2.48	3.49
1.600 1.650	5.95	30.36	29.80	20.48	35.74	2.13	3.82
1.650 1.700	5.41	35.77	32.09	22.24	30.24	1.64	3.77
1.700 1.750	3.25	39.02	35.80	23.37	26.38	.86	2.39
1.750 1.800	2.77	41.79	41.59	24.57	22.63	.63	2.14
1.800 1.850	3.61	45.40	47.08	26.36	19.08	.69	2.92
1.850 1.900	2.85	48.25	53.18	27.95	16.27	.46	2.38
1.900 1.950	2.20	50.45	58.90	29.29	13.73	.30	1.90
1.950 2.000	1.67	52.11	63.73	30.40	11.43	.19	1.48
2.000 2.050	1.25	53.37	67.93	31.28	9.48	.12	1.13
2.050 2.100	.94	54.31	71.70	31.98	8.02	.08	.87
2.100 2.150	.74	55.05	75.11	32.56	6.93	.05	.68
2.150 2.200	.61	55.66	78.26	33.06	6.03	.04	.57
2.200 2.250	.55	56.21	81.20	33.53	5.15	.03	.53
2.250 2.300	.55	56.76	84.02	34.02	4.19	.02	.52
2.300 2.350	.57	57.33	86.78	34.54	3.30	.02	.55
2.350 2.400	.59	57.92	89.57	35.11	2.50	.01	.58

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.678

AVERAGE S.G. FLOATS = 1.556

AVERAGE S.G. SINKS = 1.744

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.500

EP = .2220

PREDICTED YIELD 20.41%

ASH 24.78%

PREDICTED REJECTS 37.51%

ASH 40.73%

YIELD ERROR 21.80%

ASH ERROR 8.57%

ORGANIC EFFICIENCY 48.35%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	81.34	1.94
1.300	1.350	9.95	12.34	4.47	3.49	78.85	7.84
1.350	1.400	7.46	19.80	9.49	5.06	74.02	5.52
1.400	1.450	8.40	28.20	14.19	8.48	69.08	5.80
1.450	1.500	9.60	37.80	19.12	11.19	62.52	6.00
1.500	1.550	8.50	46.30	23.75	13.49	56.89	4.83
1.550	1.600	10.20	56.50	27.41	16.01	52.31	5.34
1.600	1.650	9.26	65.76	29.80	17.95	47.61	4.41
1.650	1.700	7.75	73.51	32.09	19.44	42.83	3.32
1.700	1.750	4.41	77.93	35.80	20.37	38.00	1.68
1.750	1.800	3.57	81.50	41.59	21.30	32.99	1.18
1.800	1.850	4.46	85.96	47.08	22.64	28.86	1.29
1.850	1.900	3.40	89.37	53.18	23.80	25.79	.88
1.900	1.950	2.55	91.91	58.90	24.77	22.56	.57
1.950	2.000	1.88	93.80	63.73	25.55	19.51	.37
2.000	2.050	1.38	95.18	67.93	26.17	17.03	.24
2.050	2.100	1.03	96.21	71.70	26.66	14.82	.15
2.100	2.150	.79	97.00	75.11	27.05	12.75	.10
2.150	2.200	.65	97.65	78.26	27.39	10.89	.07
2.200	2.250	.58	98.23	81.20	27.71	9.30	.05
2.250	2.300	.57	98.80	84.02	28.04	8.08	.05
2.300	2.350	.59	99.39	86.78	28.38	7.12	.04
2.350	2.400	.61	100.00	89.57	28.76	6.33	.04

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.518

AVERAGE S.G. SINKS = 1.693

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.600

EP = .2616

PREDICTED YIELD 51.72%

ASH 21.59%

PREDICTED REJECTS 48.28%

ASH 36.44%

YIELD ERROR 30.75%

ASH ERROR 6.76%

ORGANIC EFFICIENCY 62.71%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.292	1.300	.45	.45	2.00	2.00	81.34	.36	.08
1.300	1.350	2.10	2.55	4.47	4.44	76.85	1.64	.45
1.350	1.400	1.94	4.49	9.49	6.39	74.02	1.43	.50
1.400	1.450	2.60	7.09	14.19	9.25	69.08	1.79	.80
1.450	1.500	3.60	10.68	19.12	12.58	62.52	2.25	1.35
1.500	1.550	3.66	14.35	23.75	15.43	56.89	2.08	1.56
1.550	1.600	4.87	19.21	27.41	18.46	52.31	2.55	2.32
1.600	1.650	4.85	24.06	29.80	20.75	47.61	2.31	2.54
1.650	1.700	4.43	28.50	32.09	22.51	42.83	1.90	2.53
1.700	1.750	2.74	31.23	35.80	23.68	38.00	1.04	1.70
1.750	1.800	2.40	33.63	41.59	24.95	32.99	.79	1.60
1.800	1.850	3.18	36.80	47.08	26.86	28.86	.92	2.26
1.850	1.900	2.52	39.33	53.18	28.55	25.79	.65	1.87
1.900	1.950	1.97	41.30	58.90	30.00	22.56	.45	1.53
1.950	2.000	1.52	42.82	63.73	31.19	19.51	.30	1.22
2.000	2.050	1.15	43.96	67.93	32.15	17.03	.20	.95
2.050	2.100	.87	44.84	71.70	32.93	14.82	.13	.74
2.100	2.150	.69	45.53	75.11	33.56	12.75	.09	.60
2.150	2.200	.58	46.11	78.26	34.13	10.89	.04	.52
2.200	2.250	.53	46.64	81.20	34.66	9.30	.05	.48
2.250	2.300	.53	47.16	84.02	35.21	8.08	.04	.48
2.300	2.350	.55	47.71	86.78	35.80	7.12	.04	.51
2.350	2.400	.57	48.28	89.57	36.44	6.33	.04	.53

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.693

AVERAGE S.G. FLOATS = 1.588

AVERAGE S.G. SINKS = 1.775

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.600

EP = .2616

PREDICTED YIELD 21.12%

ASH 27.49%

PREDICTED REJECTS 27.16%

ASH 43.40%

YIELD ERROR 16.62%

ASH ERROR 8.12%

ORGANIC EFFICIENCY 55.97%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	84.44	2.02	.37
1.300	1.350	9.95	12.34	4.47	82.88	8.25	1.70
1.350	1.400	7.46	19.80	9.49	79.52	5.93	1.53
1.400	1.450	8.40	28.20	14.19	75.33	6.33	2.07
1.450	1.500	9.60	37.80	19.12	71.27	6.84	2.76
1.500	1.550	8.50	46.30	23.75	66.15	5.62	2.88
1.550	1.600	10.20	56.50	27.41	60.46	6.17	4.03
1.600	1.650	9.26	65.76	29.80	55.95	5.18	4.08
1.650	1.700	7.75	73.51	32.09	52.01	4.03	3.72
1.700	1.750	4.41	77.93	35.80	47.92	2.11	2.30
1.750	1.800	3.57	81.50	41.59	43.77	1.56	2.01
1.800	1.850	4.46	85.96	47.08	39.62	1.77	2.70
1.850	1.900	3.40	89.37	53.18	35.26	1.20	2.20
1.900	1.950	2.55	91.91	58.90	31.13	.79	1.75
1.950	2.000	1.88	93.80	63.73	27.96	.53	1.36
2.000	2.050	1.38	95.18	67.93	25.34	.35	1.03
2.050	2.100	1.03	96.21	71.70	22.52	.23	.80
2.100	2.150	.79	97.00	75.11	19.84	.16	.63
2.150	2.200	.65	97.65	78.26	17.61	.11	.54
2.200	2.250	.58	98.23	81.20	15.65	.09	.49
2.250	2.300	.57	98.80	84.02	13.79	.08	.49
2.300	2.350	.59	99.39	86.78	12.06	.07	.52
2.350	2.400	.61	100.00	89.57	10.50	.06	.55

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.533

AVERAGE S.G. SINKS = 1.705

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.700

EP = .3012

PREDICTED YIELD 59.49%

ASH 22.85%

PREDICTED REJECTS 40.51%

ASH 37.43%

YIELD ERROR 27.09%

ASH ERROR 6.22%

ORGANIC EFFICIENCY 68.71%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292 1.300	.37	.37	2.00	2.00	84.44	.31	.06
1.300 1.350	1.70	2.07	4.47	4.83	82.88	1.41	.29
1.350 1.400	1.53	3.60	9.49	6.35	79.52	1.22	.31
1.400 1.450	2.07	5.68	14.19	9.21	75.33	1.56	.51
1.450 1.500	2.76	8.43	19.12	12.45	71.27	1.97	.79
1.500 1.550	2.88	11.31	23.75	15.32	66.15	1.90	.97
1.550 1.600	4.03	15.35	27.41	18.50	60.46	2.44	1.60
1.600 1.650	4.08	19.42	29.80	20.88	55.95	2.28	1.80
1.650 1.700	3.72	23.15	32.09	22.68	52.01	1.94	1.79
1.700 1.750	2.30	25.44	35.80	23.86	47.92	1.10	1.20
1.750 1.800	2.01	27.45	41.59	25.16	43.77	.88	1.13
1.800 1.850	2.70	30.15	47.08	27.12	39.62	1.07	1.63
1.850 1.900	2.20	32.35	53.18	28.89	35.26	.78	1.43
1.900 1.950	1.75	34.11	58.98	30.44	31.13	.55	1.21
1.950 2.000	1.36	35.46	63.73	31.71	27.96	.38	.98
2.000 2.050	1.03	36.49	67.93	32.74	25.34	.26	.77
2.050 2.100	.80	37.29	71.70	33.57	22.52	.18	.62
2.100 2.150	.63	37.92	75.11	34.26	19.84	.13	.51
2.150 2.200	.54	38.46	78.26	34.87	17.61	.09	.44
2.200 2.250	.49	38.95	81.20	35.46	15.65	.08	.42
2.250 2.300	.49	39.44	84.02	36.07	13.79	.07	.42
2.300 2.350	.52	39.96	86.78	36.72	12.06	.06	.45
2.350 2.400	.55	40.51	89.57	37.43	10.50	.06	.49

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.705

AVERAGE S.G. FLOATS = 1.614

AVERAGE S.G. SINKS = 1.800

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PREDICTED YIELD 20.70%

ASH 29.67%

YIELD ERROR 12.53%

ASH ERROR 8.17%

PREDICTED REJECTS 19.80%

ASH 45.55%

ORGANIC EFFICIENCY 62.30%

PD = 1.700

EP = .3012

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x20M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	86.29	2.06	.33
1.300	1.350	9.95	12.34	4.47	85.18	8.47	1.47
1.350	1.400	7.46	19.80	9.49	82.92	6.19	1.27
1.400	1.450	8.40	28.20	14.19	80.01	6.72	1.68
1.450	1.500	9.60	37.80	19.12	76.37	7.33	2.27
1.500	1.550	8.50	46.30	23.75	72.75	6.18	2.32
1.550	1.600	10.20	56.50	27.41	68.81	7.02	3.18
1.600	1.650	9.26	65.76	29.80	63.76	5.90	3.36
1.650	1.700	7.75	73.51	32.09	59.04	4.58	3.18
1.700	1.750	4.41	77.93	35.80	55.24	2.44	1.98
1.750	1.800	3.57	81.50	41.59	51.78	1.85	1.72
1.800	1.850	4.46	85.96	47.08	48.17	2.15	2.31
1.850	1.900	3.40	89.37	53.18	44.50	1.51	1.89
1.900	1.950	2.55	91.91	58.90	40.83	1.04	1.51
1.950	2.000	1.88	93.80	63.73	37.05	.70	1.19
2.000	2.050	1.38	95.18	67.93	33.21	.46	.92
2.050	2.100	1.03	96.21	71.70	29.86	.31	.72
2.100	2.150	.79	97.00	75.11	27.31	.22	.57
2.150	2.200	.65	97.65	78.26	24.99	.16	.49
2.200	2.250	.58	98.23	81.20	22.48	.13	.45
2.250	2.300	.57	98.80	84.02	20.09	.11	.46
2.300	2.350	.59	99.39	86.78	18.07	.11	.48
2.350	2.400	.61	100.00	89.57	16.29	.10	.51

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.545

AVERAGE S.G. SINKS = 1.713

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.000

F2 = 1.200

PD = 1.800

EP = .3408

PREDICTED YIELD 65.74%

ASH 23.89%

PREDICTED REJECTS 34.26%

ASH 38.10%

YIELD ERROR 23.86%

ASH ERROR 5.94%

ORGANIC EFFICIENCY 73.37%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 06 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.292	1.300	.33	.33	2.00	2.00	86.29	.28	.04
1.300	1.350	1.47	1.80	4.47	4.42	85.18	1.26	.22
1.350	1.400	1.27	3.08	9.49	5.29	82.92	1.06	.22
1.400	1.450	1.68	4.76	14.19	9.08	80.01	1.34	.34
1.450	1.500	2.27	7.02	19.12	12.32	76.37	1.73	.54
1.500	1.550	2.32	9.34	23.75	15.15	72.75	1.68	.63
1.550	1.600	3.18	12.52	27.41	18.27	68.81	2.19	.99
1.600	1.650	3.36	15.88	29.80	20.71	63.76	2.14	1.22
1.650	1.700	3.18	19.05	32.09	22.60	59.04	1.88	1.30
1.700	1.750	1.98	21.03	35.80	23.84	55.24	1.09	.88
1.750	1.800	1.72	22.75	41.59	25.19	51.78	.89	.83
1.800	1.850	2.31	25.07	47.08	27.21	48.17	1.11	1.20
1.850	1.900	1.89	26.96	53.18	29.03	44.50	.84	1.05
1.900	1.950	1.51	28.46	58.90	30.61	40.83	.62	.89
1.950	2.000	1.19	29.65	63.73	31.93	37.05	.44	.75
2.000	2.050	.92	30.57	67.93	33.02	33.21	.31	.62
2.050	2.100	.72	31.29	71.70	33.91	29.86	.22	.51
2.100	2.150	.57	31.87	75.11	34.65	27.31	.16	.42
2.150	2.200	.49	32.35	78.26	35.31	24.99	.12	.37
2.200	2.250	.45	32.81	81.20	35.95	22.48	.10	.35
2.250	2.300	.46	33.26	84.02	36.61	20.09	.09	.36
2.300	2.350	.48	33.75	86.78	37.32	18.07	.09	.39
2.350	2.400	.51	34.26	89.57	38.10	16.29	.08	.43

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.713

AVERAGE S.G. FLOATS = 1.634

AVERAGE S.G. SINKS = 1.820

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.000

F2 = 1.200

PD = 1.000

EP = .3408

PREDICTED YIELD 19.72%

ASH 31.37%

PREDICTED REJECTS 14.54%

ASH 47.23%

YIELD ERROR 9.42%

ASH ERROR 8.35%

ORGANIC EFFICIENCY 67.66%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	12.02	5.23	5.23	59.12	7.10	4.91
1.350	1.400	9.48	7.79	6.66	52.99	5.03	4.46
1.400	1.450	6.30	10.76	7.36	46.88	2.95	3.35
1.450	1.500	3.70	19.56	8.79	40.65	1.50	2.20
1.500	1.550	2.35	20.74	11.52	34.16	3.19	6.15
1.550	1.600	3.75	44.60	22.45	28.65	1.07	2.68
1.600	1.650	4.15	48.75	26.73	24.64	1.02	3.13
1.650	1.700	3.45	52.20	31.65	20.45	.71	2.75
1.700	1.750	4.55	56.75	35.00	17.09	.78	3.78
1.750	1.800	4.75	61.50	37.16	14.22	.68	4.07
1.800	1.850	4.14	65.64	38.70	11.64	.48	3.66
1.850	1.900	4.49	70.12	39.64	9.46	.42	4.06
1.900	1.950	4.56	74.69	40.31	7.88	.36	4.21
1.950	2.000	4.42	79.11	40.99	6.72	.30	4.12
2.000	2.050	4.09	83.19	41.92	5.75	.23	3.85
2.050	2.100	3.62	86.82	43.37	4.72	.17	3.45
2.100	2.150	3.07	89.88	45.59	3.70	.11	2.95
2.150	2.200	2.47	92.35	48.73	2.76	.07	2.40
2.200	2.250	1.87	94.22	52.35	1.97	.04	1.83
2.250	2.300	1.31	95.53	56.37	1.32	.02	1.30
2.300	2.350	.85	96.38	60.76	.72	.01	.84
2.350	2.400	.52	96.90	65.53	.13	.00	.52
2.400	2.450	.37	97.27	70.82	.00	.00	.37
2.450	2.500	.45	97.73	76.56	.00	.00	.45
2.500	2.550	.80	98.53	82.36	.00	.00	.80
2.550	2.600	1.47	100.00	88.29	.00	.00	1.47

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.717

AVERAGE S.G. FLOATS = 1.486

AVERAGE S.G. SINKS = 1.799

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD

26.25%

YIELD ERROR 29.31%

F2 = 1.200

ASH 16.04%

ASH ERROR 8.93%

PREDICTED REJECTS

73.75%

ORGANIC EFFICIENCY 47.24%

PD = 1.400

ASH 33.84%

EP = 1.2006

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841
DATA SET NAME: HAT CRK Z 28x100M
DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302 1.350	4.91	4.91	5.23	5.23	59.12	2.90	2.01
1.350 1.400	4.46	9.37	7.79	6.45	52.99	2.36	2.10
1.400 1.450	3.35	12.72	10.76	7.58	46.88	1.57	1.78
1.450 1.500	2.20	14.91	19.56	9.35	40.65	.89	1.30
1.500 1.550	6.15	21.07	20.74	12.67	34.16	2.10	4.05
1.550 1.600	2.68	23.74	22.45	13.78	28.65	.77	1.91
1.600 1.650	3.13	26.87	26.73	15.28	24.64	.77	2.36
1.650 1.700	2.75	29.62	31.65	16.80	20.45	.56	2.18
1.700 1.750	3.78	33.39	35.00	18.86	17.09	.65	3.13
1.750 1.800	4.07	37.46	37.16	20.85	14.22	.58	3.49
1.800 1.850	3.66	41.12	38.70	22.43	11.64	.43	3.23
1.850 1.900	4.06	45.18	39.64	23.98	9.46	.38	3.68
1.900 1.950	4.21	49.39	40.31	25.37	7.88	.33	3.87
1.950 2.000	4.12	53.51	40.99	26.57	6.72	.28	3.84
2.000 2.050	3.85	57.36	41.92	27.60	5.75	.22	3.63
2.050 2.100	3.45	60.81	43.37	28.50	4.72	.16	3.29
2.100 2.150	2.95	63.76	45.59	29.29	3.70	.11	2.84
2.150 2.200	2.40	66.16	48.73	30.00	2.76	.07	2.33
2.200 2.250	1.83	67.99	52.35	30.60	1.97	.04	1.79
2.250 2.300	1.30	69.29	56.37	31.08	1.32	.02	1.28
2.300 2.350	.84	70.13	60.76	31.44	.72	.01	.84
2.350 2.400	.52	70.65	65.53	31.69	.13	.00	.52
2.400 2.450	.37	71.03	70.82	31.89	.00	.00	.37
2.450 2.500	.45	71.48	76.56	32.18	.00	.00	.45
2.500 2.550	.80	72.28	82.36	32.73	.00	.00	.80
2.550 2.600	1.47	73.75	88.29	33.84	.00	.00	1.47

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.799

AVERAGE S.G. FLOATS = 1.539

AVERAGE S.G. SINKS = 1.867

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

PREDICTED YIELD 15.19%

YIELD ERROR 19.41%

F2 = 1.200

ASH 19.45%

ASH ERROR 9.95%

PREDICTED REJECTS 58.56%

ORGANIC EFFICIENCY 43.91%

PD = 1.400

ASH 37.58%

EP = .2006

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	12.02	5.23	5.23	70.37	8.46	3.56
1.350	1.400	9.48	7.79	6.76	63.70	6.04	3.44
1.400	1.450	6.30	10.76	7.36	57.42	3.62	2.68
1.450	1.500	3.70	19.56	8.79	52.47	1.94	1.76
1.500	1.550	9.35	20.74	11.52	47.44	4.43	4.91
1.550	1.600	3.75	44.60	22.45	42.32	1.59	2.16
1.600	1.650	4.15	48.75	26.73	37.10	1.54	2.61
1.650	1.700	3.45	52.20	31.65	31.84	1.10	2.35
1.700	1.750	4.55	56.75	35.00	27.82	1.27	3.29
1.750	1.800	4.75	61.50	37.16	24.56	1.17	3.58
1.800	1.850	4.14	65.64	39.70	21.08	.87	3.27
1.850	1.900	4.49	70.12	39.64	20.66	.81	3.67
1.900	1.950	4.56	74.69	40.31	21.86	.72	3.85
1.950	2.000	4.42	79.11	40.99	22.93	.59	3.82
2.000	2.050	4.09	83.19	41.92	23.86	.46	3.62
2.050	2.100	3.62	86.82	43.37	24.68	.35	3.28
2.100	2.150	3.07	89.88	45.59	25.39	.25	2.82
2.150	2.200	2.47	92.35	48.73	26.01	.18	2.29
2.200	2.250	1.87	94.22	52.35	26.54	.12	1.75
2.250	2.300	1.31	95.53	56.37	26.95	.07	1.24
2.300	2.350	.85	96.38	60.76	27.24	.04	.81
2.350	2.400	.52	96.90	65.53	27.45	.02	.50
2.400	2.450	.37	97.27	70.82	27.62	.01	.36
2.450	2.500	.45	97.73	76.56	27.84	.01	.44
2.500	2.550	.80	98.53	82.36	28.29	.01	.79
2.550	2.600	1.47	100.00	88.29	29.17	.02	1.45

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.717

AVERAGE S.G. FLOATS = 1.523

AVERAGE S.G. SINKS = 1.825

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 35.68%

YIELD ERROR 26.42%

F2 = 1.200

ASH 18.25%

ASH ERROR 8.24%

PD = 1.500

PREDICTED REJECTS 64.32%

ORGANIC EFFICIENCY 57.46%

EP = .2442

ASH 35.23%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	3.56	3.56	5.23	5.23	70.37	2.51
1.350	1.400	3.44	7.00	7.79	6.49	63.70	2.19
1.400	1.450	2.68	9.68	10.76	7.67	57.42	1.54
1.450	1.500	1.76	11.44	19.56	9.50	52.47	.92
1.500	1.550	4.91	16.36	20.74	12.87	47.44	2.33
1.550	1.600	2.16	18.52	22.45	13.99	42.32	.92
1.600	1.650	2.61	21.13	26.73	15.57	37.10	.97
1.650	1.700	2.35	23.48	31.65	17.18	31.84	.75
1.700	1.750	3.29	26.77	35.00	19.36	27.82	.91
1.750	1.800	3.58	30.35	37.16	21.46	24.56	.88
1.800	1.850	3.27	33.62	38.70	23.14	21.08	.69
1.850	1.900	3.67	37.29	39.64	24.76	18.13	.67
1.900	1.950	3.85	41.14	40.31	26.22	15.68	.60
1.950	2.000	3.82	44.96	40.99	27.48	13.40	.51
2.000	2.050	3.62	48.59	41.92	28.55	11.33	.41
2.050	2.100	3.28	51.86	43.37	29.49	9.56	.31
2.100	2.150	2.82	54.68	45.59	30.32	8.19	.23
2.150	2.200	2.29	58.97	48.73	31.06	7.15	.16
2.200	2.250	1.75	58.72	52.35	31.69	6.31	.11
2.250	2.300	1.24	59.96	56.37	32.20	5.52	.07
2.300	2.350	.81	60.77	60.76	32.58	4.66	.04
2.350	2.400	.50	61.27	65.53	32.85	3.82	.02
2.400	2.450	.34	61.63	70.82	33.08	3.03	.01
2.450	2.500	.44	62.07	76.56	33.39	2.33	.01
2.500	2.550	.79	62.86	82.36	34.00	1.73	.01
2.550	2.600	1.45	64.32	88.29	35.23	1.22	.02

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.825

AVERAGE S.G. FLOATS = 1.603

AVERAGE S.G. SINKS = 1.910

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

PREDICTED YIELD 17.80%

YIELD ERROR 15.99%

F2 = 1.200

ASH 23.21%

ASH ERROR 9.59%

PREDICTED REJECTS 46.52%

ORGANIC EFFICIENCY 52.68%

PD = 1.500

ASH 39.82%

EP = .2442

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	12.02	12.02	5.23	5.23	76.35	9.17
1.350	1.400	9.48	21.50	7.79	6.76	72.14	6.84
1.400	1.450	6.30	27.80	10.76	7.36	67.09	4.23
1.450	1.500	3.70	31.50	19.56	8.79	61.07	2.26
1.500	1.550	9.35	40.85	20.74	11.52	56.23	5.26
1.550	1.600	3.75	44.60	22.45	12.44	52.10	1.96
1.600	1.650	4.15	48.75	26.73	13.66	47.83	1.98
1.650	1.700	3.45	52.20	31.65	14.85	43.48	1.50
1.700	1.750	4.55	56.75	35.00	16.46	39.13	1.78
1.750	1.800	4.75	61.50	37.16	18.06	34.55	1.64
1.800	1.850	4.14	65.64	38.70	19.36	30.37	1.26
1.850	1.900	4.49	70.12	39.64	20.66	27.28	1.22
1.900	1.950	4.56	74.69	40.31	21.86	24.51	1.12
1.950	2.000	4.42	79.11	40.99	22.93	21.53	.95
2.000	2.050	4.09	83.19	41.92	23.86	18.91	.77
2.050	2.100	3.62	86.82	43.37	24.68	16.72	.61
2.100	2.150	3.07	89.88	45.59	25.39	14.72	.45
2.150	2.200	2.47	92.35	48.73	26.01	12.84	.32
2.200	2.250	1.87	94.22	52.35	26.54	11.13	.21
2.250	2.300	1.31	95.53	56.37	26.95	9.63	.13
2.300	2.350	.85	96.38	60.76	27.24	8.43	.07
2.350	2.400	.52	96.90	65.53	27.45	7.49	.04
2.400	2.450	.37	97.27	70.82	27.62	6.71	.03
2.450	2.500	.45	97.73	76.56	27.84	6.03	.03
2.500	2.550	.80	98.53	82.36	28.29	5.36	.04
2.550	2.600	1.47	100.00	88.29	29.17	4.62	.07

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.717

AVERAGE S.G. FLOATS = 1.554

AVERAGE S.G. SINKS = 1.845

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 43.93%

YIELD ERROR 24.18%

F2 = 1.200

ASH 20.08%

ASH ERROR 7.80%

PREDICTED REJECTS 56.07%

ORGANIC EFFICIENCY 64.50%

PD = 1.600

ASH 36.29%

EP = .2878

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841
DATA SET NAME: HAT CRK Z 28x100M
DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.302	1.350	2.84	2.84	5.23	5.23	76.35	2.17	.67
1.350	1.400	2.64	5.48	7.79	6.46	72.14	1.91	.74
1.400	1.450	2.07	7.56	10.76	7.64	67.09	1.39	.68
1.450	1.500	1.44	9.00	19.56	9.55	61.07	.88	.56
1.500	1.550	4.09	13.09	20.74	13.05	56.23	2.30	1.79
1.550	1.600	1.80	14.89	22.45	14.18	52.10	.94	.86
1.600	1.650	2.16	17.05	26.73	15.77	47.83	1.04	1.13
1.650	1.700	1.95	19.00	31.65	17.40	43.48	.85	1.10
1.700	1.750	2.77	21.77	35.00	19.64	39.13	1.08	1.69
1.750	1.800	3.11	24.88	37.16	21.83	34.55	1.07	2.03
1.800	1.850	2.88	27.76	38.70	23.58	30.37	.88	2.01
1.850	1.900	3.26	31.02	39.64	25.27	27.28	.89	2.37
1.900	1.950	3.45	34.47	40.31	26.77	24.51	.84	2.60
1.950	2.000	3.47	37.93	40.99	28.07	21.53	.75	2.72
2.000	2.050	3.31	41.25	41.92	29.19	18.91	.63	2.69
2.050	2.100	3.02	44.27	43.37	30.15	16.72	.50	2.51
2.100	2.150	2.62	46.88	45.59	31.01	14.72	.39	2.23
2.150	2.200	2.15	49.03	48.73	31.79	12.84	.28	1.87
2.200	2.250	1.66	50.69	52.35	32.46	11.13	.18	1.47
2.250	2.300	1.19	51.88	56.37	33.01	9.63	.11	1.07
2.300	2.350	.78	52.66	60.76	33.42	8.43	.07	.71
2.350	2.400	.48	53.14	65.53	33.71	7.49	.04	.45
2.400	2.450	.35	53.49	70.82	33.95	6.71	.02	.32
2.450	2.500	.43	53.91	76.56	34.29	6.03	.03	.40
2.500	2.550	.76	54.67	82.36	34.96	5.36	.04	.72
2.550	2.600	1.40	56.07	88.29	36.29	4.62	.06	1.34

HEAD ASH OF WASHABILITY DATA = 29.19
AVERAGE S.G. FEED = 1.845
AVERAGE S.G. FLOATS = 1.658
AVERAGE S.G. SINKS = 1.944

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

PREDICTED YIELD 19.33%

YIELD ERROR 13.96%

F2 = 1.200

ASH 26.26%

ASH ERROR 8.59%

PREDICTED REJECTS 36.75%

ORGANIC EFFICIENCY 58.06%

PD = 1.600

ASH 41.57%

EP = .2878

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	12.02	12.02	5.23	5.23	80.65	9.69
1.350	1.400	9.48	21.50	7.79	6.76	77.07	7.31
1.400	1.450	6.30	27.80	10.76	7.36	73.30	4.62
1.450	1.500	3.70	31.50	19.56	8.79	69.39	2.57
1.500	1.550	9.35	40.85	20.74	11.52	64.28	6.01
1.550	1.600	3.75	44.60	22.45	12.44	59.34	2.23
1.600	1.650	4.15	48.75	26.73	13.66	55.39	2.30
1.650	1.700	3.45	52.20	31.65	14.85	51.83	1.79
1.700	1.750	4.55	56.75	35.00	16.46	48.11	2.19
1.750	1.800	4.75	61.50	37.16	18.06	44.34	2.10
1.800	1.850	4.14	65.64	38.70	19.36	40.57	1.68
1.850	1.900	4.49	70.12	39.64	20.66	36.66	1.64
1.900	1.950	4.56	74.69	40.31	21.86	32.74	1.49
1.950	2.000	4.42	79.11	40.99	22.93	29.41	1.30
2.000	2.050	4.09	83.19	41.92	23.86	26.88	1.10
2.050	2.100	3.62	86.82	43.37	24.68	24.46	.89
2.100	2.150	3.07	89.88	45.59	25.39	21.88	.67
2.150	2.200	2.47	92.35	48.73	26.01	19.51	.48
2.200	2.250	1.87	94.22	52.35	26.54	17.51	.33
2.250	2.300	1.31	95.53	56.37	26.95	15.74	.21
2.300	2.350	.85	96.38	60.76	27.24	14.03	.12
2.350	2.400	.52	96.90	65.53	27.45	12.44	.06
2.400	2.450	.37	97.27	70.82	27.62	10.98	.04
2.450	2.500	.45	97.73	76.56	27.84	9.68	.04
2.500	2.550	.80	98.53	82.36	28.29	8.61	.07
2.550	2.600	1.47	100.00	88.29	29.17	7.75	.11

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.717

AVERAGE S.G. FLOATS = 1.579

AVERAGE S.G. SINKS = 1.861

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 51.04%

YIELD ERROR 22.43%

F2 = 1.200

ASH 21.54%

ASH ERROR 7.09%

PREDICTED REJECTS 48.96%

ORGANIC EFFICIENCY 69.48%

PD = 1.700

ASH 37.12%

EP = .3313

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	2.33	5.23	5.23	80.65	1.88	.45
1.350	1.400	2.17	7.79	6.47	77.07	1.68	.50
1.400	1.450	1.68	10.76	7.63	73.30	1.23	.45
1.450	1.500	1.13	19.56	9.48	69.39	.79	.35
1.500	1.550	3.34	20.74	13.01	64.28	2.15	1.19
1.550	1.600	1.53	22.45	14.19	59.34	.91	.62
1.600	1.650	1.85	26.73	15.84	55.39	1.03	.83
1.650	1.700	1.66	31.65	17.52	51.83	.86	.80
1.700	1.750	2.36	35.00	19.81	48.11	1.14	1.23
1.750	1.800	2.64	37.16	22.02	44.34	1.17	1.47
1.800	1.850	2.46	38.70	23.79	40.57	1.00	1.46
1.850	1.900	2.84	39.64	25.53	36.66	1.04	1.80
1.900	1.950	3.07	40.31	27.09	32.74	1.01	2.06
1.950	2.000	3.12	40.99	28.43	29.41	.92	2.20
2.000	2.050	2.99	41.92	29.58	26.88	.80	2.19
2.050	2.100	2.74	43.37	30.57	24.46	.67	2.07
2.100	2.150	2.40	45.59	31.47	21.88	.52	1.87
2.150	2.200	1.99	48.73	32.28	19.51	.39	1.60
2.200	2.250	1.54	52.35	32.98	17.51	.27	1.27
2.250	2.300	1.11	56.37	33.56	15.74	.17	.93
2.300	2.350	.73	60.76	33.99	14.03	.10	.63
2.350	2.400	.46	65.53	34.31	12.44	.06	.40
2.400	2.450	.33	70.82	34.57	10.98	.04	.30
2.450	2.500	.41	76.56	34.93	9.68	.04	.37
2.500	2.550	.73	82.36	35.66	8.61	.06	.67
2.550	2.600	1.36	88.29	37.12	7.75	.11	1.25

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.861

AVERAGE S.G. FLOATS = 1.701

AVERAGE S.G. SINKS = 1.972

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

PREDICTED YIELD 20.01%

YIELD ERROR 12.54%

F2 = 1.200

ASH 28.58%

ASH ERROR 7.13%

PREDICTED REJECTS 28.95%

ORGANIC EFFICIENCY 61.47%

PD = 1.700

ASH 43.03%

EP = .3313

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841
DATA SET NAME: HAT CRK Z 28x100M
DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	12.02	5.23	5.23	83.23	10.00	2.02
1.350	1.400	9.48	7.79	6.36	80.74	7.66	1.93
1.400	1.450	6.30	10.76	7.36	77.57	4.89	1.41
1.450	1.500	3.70	19.56	8.79	74.19	2.74	.96
1.500	1.550	9.35	20.74	11.52	70.92	6.63	2.72
1.550	1.600	3.75	22.45	12.44	66.82	2.51	1.25
1.600	1.650	4.15	26.73	13.66	62.14	2.58	1.57
1.650	1.700	3.45	31.65	14.85	58.12	2.01	1.45
1.700	1.750	4.55	35.00	16.46	54.76	2.49	2.06
1.750	1.800	4.75	37.16	18.06	51.62	2.45	2.30
1.800	1.850	4.14	38.70	19.36	48.33	2.00	2.14
1.850	1.900	4.49	39.64	20.66	45.00	2.02	2.47
1.900	1.950	4.56	40.31	21.86	41.66	1.90	2.66
1.950	2.000	4.42	40.99	22.93	38.29	1.69	2.73
2.000	2.050	4.09	41.92	23.86	34.76	1.42	2.67
2.050	2.100	3.62	43.37	24.68	31.44	1.14	2.48
2.100	2.150	3.07	45.59	25.39	28.74	.88	2.19
2.150	2.200	2.47	48.73	26.01	26.58	.66	1.81
2.200	2.250	1.87	52.35	26.54	24.43	.46	1.41
2.250	2.300	1.31	56.37	26.95	22.14	.29	1.02
2.300	2.350	.85	60.76	27.24	19.99	.17	.68
2.350	2.400	.52	65.53	27.45	18.15	.09	.43
2.400	2.450	.37	70.82	27.62	16.52	.06	.31
2.450	2.500	.45	76.56	27.84	14.99	.07	.38
2.500	2.550	.80	82.36	28.29	13.52	.11	.69
2.550	2.600	1.47	88.29	29.17	12.14	.18	1.29

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.717

AVERAGE S.G. FLOATS = 1.601

AVERAGE S.G. SINKS = 1.872

PROCESS: 14" WATER ONLY CYCLONE

F1 = 1.100

PREDICTED YIELD 57.09%

YIELD ERROR 21.23%

F2 = 1.200

ASH 22.74%

ASH ERROR 6.16%

PREDICTED REJECTS 42.91%

ORGANIC EFFICIENCY 72.89%

PD = 1.800

ASH 37.72%

EP = .3749

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 841

DATA SET NAME: HAT CRK Z 28x100M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.302	1.350	2.02	5.23	5.23	83.23	1.68	.34
1.350	1.400	1.83	7.79	6.45	80.74	1.47	.35
1.400	1.450	1.41	10.76	7.61	77.57	1.10	.32
1.450	1.500	.96	19.56	9.44	74.19	.71	.25
1.500	1.550	2.72	20.74	12.88	70.92	1.93	.79
1.550	1.600	1.25	22.45	14.05	66.82	.83	.41
1.600	1.650	1.57	26.73	15.75	62.14	.98	.59
1.650	1.700	1.45	31.65	17.49	58.12	.84	.61
1.700	1.750	2.06	35.00	19.86	54.76	1.13	.93
1.750	1.800	2.30	37.16	22.12	51.62	1.19	1.11
1.800	1.850	2.14	38.70	23.92	48.33	1.03	1.10
1.850	1.900	2.47	39.64	25.67	45.00	1.11	1.36
1.900	1.950	2.66	40.31	27.24	41.66	1.11	1.55
1.950	2.000	2.73	40.99	28.60	38.29	1.04	1.68
2.000	2.050	2.67	41.92	29.78	34.76	.93	1.74
2.050	2.100	2.48	43.37	30.81	31.44	.78	1.70
2.100	2.150	2.19	44.88	31.74	28.74	.63	1.56
2.150	2.200	1.81	46.69	32.58	26.58	.48	1.33
2.200	2.250	1.41	48.10	33.31	24.43	.34	1.07
2.250	2.300	1.02	49.12	33.91	22.14	.23	.80
2.300	2.350	.68	49.80	34.37	19.99	.14	.54
2.350	2.400	.43	40.23	34.70	18.15	.08	.35
2.400	2.450	.31	40.54	34.98	16.52	.05	.26
2.450	2.500	.38	40.92	35.37	14.99	.06	.33
2.500	2.550	.69	41.62	36.15	13.52	.09	.60
2.550	2.600	1.29	42.91	37.72	12.14	.16	1.14

HEAD ASH OF WASHABILITY DATA = 29.19

AVERAGE S.G. FEED = 1.872

AVERAGE S.G. FLOATS = 1.735

AVERAGE S.G. SINKS = 1.993

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = 1.100

PREDICTED YIELD 20.10%

YIELD ERROR 11.56%

F2 = 1.200

ASH 30.38%

ASH ERROR 6.16%

PREDICTED REJECTS

22.81%

ORGANIC EFFICIENCY 63.50%

PD = 1.800

ASH 44.19%

EP = .3749

** 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	98.46	10.78	.17
1.300	1.350	32.13	43.09	15.91	96.12	30.89	1.25
1.350	1.400	19.73	62.82	22.73	88.06	17.38	2.36
1.400	1.450	13.08	75.90	29.85	74.71	9.77	3.31
1.450	1.500	11.33	87.23	44.82	58.32	6.61	4.72
1.500	1.550	6.66	93.89	47.74	42.08	2.80	3.86
1.550	1.600	1.52	95.41	52.69	28.36	.43	1.09
1.600	1.650	1.92	97.33	58.81	18.04	.35	1.58
1.650	1.700	.60	97.93	63.81	10.96	.07	.53
1.700	1.750	.20	98.13	67.69	6.41	.01	.19
1.750	1.800	.38	98.51	70.32	3.63	.01	.37
1.800	1.850	.49	99.00	71.95	2.01	.01	.48
1.850	1.900	.36	99.36	73.81	1.09	.00	.35
1.900	1.950	.29	99.66	75.98	.59	.00	.29
1.950	2.000	.34	100.00	78.08	.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%

F2 = 1.250 ASH 22.57%

PREDICTED REJECTS 20.88%

PD = 1.500 ASH 43.21%

EP = .0825

YIELD ERROR 7.38%

ASH ERROR 2.14%

ORGANIC EFFICIENCY 91.46%

** 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	99.82	10.93	.02
1.300	1.350	32.13	43.09	15.91	99.40	31.94	.19
1.350	1.400	19.73	62.82	22.73	97.29	19.20	.54
1.400	1.450	13.08	75.90	29.85	92.10	12.05	1.03
1.450	1.500	11.33	87.23	44.82	83.06	9.41	1.92
1.500	1.550	6.66	93.89	47.74	70.77	4.71	1.95
1.550	1.600	1.52	95.41	52.69	56.92	.87	.66
1.600	1.650	1.92	97.33	58.81	43.36	.83	1.09
1.650	1.700	.60	97.93	63.81	31.48	.19	.41
1.700	1.750	.20	98.13	67.69	25.99	.04	.16
1.750	1.800	.38	98.51	70.32	26.16	.06	.32
1.800	1.850	.49	99.00	71.95	9.61	.05	.45
1.850	1.900	.36	99.36	73.81	6.12	.02	.34
1.900	1.950	.29	99.66	75.98	3.81	.01	.28
1.950	2.000	.34	100.00	78.08	2.34	.01	.34

HEAD ASH OF WASHABILITY DATA = 26.96

AVERAGE S.G. FEED = 1.398

AVERAGE S.G. FLOATS = 1.378

AVERAGE S.G. SINKS = 1.578

PROCESS: BAUM JIG

SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.132 PREDICTED YIELD 90.32%

F2 = 1.250 ASH 24.36%

PREDICTED REJECTS 9.68%

PD = 1.600 ASH 50.40%

EP = .0990

YIELD ERROR 2.84%

ASH ERROR .76%

ORGANIC EFFICIENCY 96.95%

** 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	99.98	10.95	.00
1.300 1.350	32.13	43.09	15.91	14.87	99.92	32.11	.03
1.350 1.400	19.73	62.82	22.73	17.34	99.47	19.63	.10
1.400 1.450	13.08	75.90	29.85	19.49	97.95	12.81	.27
1.450 1.500	11.33	87.23	44.82	22.78	94.39	10.69	.64
1.500 1.550	6.66	93.89	47.74	24.55	88.06	5.86	.79
1.550 1.600	1.52	95.41	52.69	25.00	78.97	1.20	.32
1.600 1.650	1.92	97.33	58.81	25.67	67.87	1.31	.62
1.650 1.700	.60	97.93	63.81	25.90	55.92	.33	.26
1.700 1.750	.20	98.13	67.69	25.99	44.29	.09	.11
1.750 1.800	.38	98.51	70.32	26.16	33.84	.13	.25
1.800 1.850	.49	99.00	71.95	26.39	25.05	.12	.37
1.850 1.900	.36	99.36	73.81	26.56	18.04	.06	.29
1.900 1.950	.29	99.66	75.98	26.70	12.69	.04	.26
1.950 2.000	.34	100.00	78.08	26.88	8.74	.03	.31

HEAD ASH OF WASHABILITY DATA = 26.96

AVERAGE S.G. FEED = 1.398

AVERAGE S.G. FLOATS = 1.385

AVERAGE S.G. SINKS = 1.650

PROCESS: BAUM JIG

SIZE RANGE: +1/2 INCH

IMPERFECTION = 0.132 PREDICTED YIELD 95.37%

F2 = 1.250 ASH 25.41%

PREDICTED REJECTS 4.63%

PD = 1.700 ASH 57.19%

EP = .1155

YIELD ERROR 1.21%

ASH ERROR .42%

ORGANIC EFFICIENCY 98.74%

** 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	99.99	32.13	.00
1.350	1.400	19.73	62.82	22.73	99.90	19.72	.02
1.400	1.450	13.08	75.90	29.85	99.52	13.02	.06
1.450	1.500	11.33	87.23	44.82	98.36	11.14	.19
1.500	1.550	6.66	93.89	47.74	95.77	6.37	.28
1.550	1.600	1.52	95.41	52.69	91.19	1.39	.13
1.600	1.650	1.92	97.33	58.81	84.40	1.62	.30
1.650	1.700	.60	97.93	63.81	75.67	.45	.15
1.700	1.750	.20	98.13	67.69	65.66	.13	.07
1.750	1.800	.38	98.51	70.32	55.17	.21	.17
1.800	1.850	.49	99.00	71.95	44.99	.22	.27
1.850	1.900	.36	99.36	73.81	35.68	.13	.23
1.900	1.950	.29	99.66	75.98	27.61	.08	.21
1.950	2.000	.34	100.00	78.08	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%

F2 = 1.250 ASH 26.01%

PREDICTED REJECTS 2.36%

PD = 1.800 ASH 63.06%

EP = .1320

YIELD ERROR .53%

ASH ERROR .22%

ORGANIC EFFICIENCY 99.46%

** 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	96.57	8.47
1.300	1.350	30.79	39.56	16.70	16.14	93.79	28.87
1.350	1.400	22.34	61.90	19.98	17.53	86.84	19.40
1.400	1.450	4.00	65.90	25.46	18.01	77.44	3.10
1.450	1.500	18.00	83.90	45.42	23.89	66.58	11.98
1.500	1.550	8.06	91.96	48.79	26.07	55.41	4.47
1.550	1.600	1.64	93.60	53.76	26.56	44.83	.73
1.600	1.650	2.88	96.48	57.82	27.49	35.44	1.02
1.650	1.700	1.60	98.09	61.90	28.05	27.48	.44
1.700	1.750	.88	98.97	65.76	28.39	20.98	.19
1.750	1.800	.63	99.60	69.41	28.65	15.82	.10
1.800	1.850	.33	99.93	72.01	28.79	11.81	.04
1.850	1.900	.07	100.00	74.83	28.82	8.74	.01

HEAD ASH OF WASHABILITY DATA = 28.77

AVERAGE S.G. FEED = 1.407

AVERAGE S.G. FLOATS = 1.382

AVERAGE S.G. SINKS = 1.502

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 78.82%

F2 = 1.250 ASH 25.11%

YIELD ERROR 9.59%

ASH ERROR 2.88%

PREDICTED REJECTS 21.18% ORGANIC EFFICIENCY 89.16%

PD = 1.550 ASH 42.65%

EP = .1272

** 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	98.95	8.68
1.300	1.350	30.79	39.56	16.70	16.14	97.86	30.13
1.350	1.400	22.34	61.90	19.98	17.53	94.60	21.14
1.400	1.450	4.00	65.90	25.46	18.01	89.28	3.57
1.450	1.500	18.00	83.90	45.42	23.89	82.03	14.76
1.500	1.550	8.06	91.96	48.79	26.07	73.37	5.92
1.550	1.600	1.64	93.60	53.76	26.56	63.99	1.05
1.600	1.650	2.88	96.48	57.82	27.49	54.56	1.57
1.650	1.700	1.60	98.09	61.90	28.05	45.61	.73
1.700	1.750	.88	98.97	65.76	28.39	37.49	.33
1.750	1.800	.63	99.60	69.41	28.65	30.37	.19
1.800	1.850	.33	99.93	72.01	28.79	24.30	.08
1.850	1.900	.07	100.00	74.83	28.82	19.26	.01

HEAD ASH OF WASHABILITY DATA = 28.77

AVERAGE S.G. FEED = 1.407

AVERAGE S.G. FLOATS = 1.391

AVERAGE S.G. SINKS = 1.531

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 88.16%

F2 = 1.250 ASH 26.46%

YIELD ERROR 5.12%

ASH ERROR 1.42%

PREDICTED REJECTS 11.84%

ASH 46.42%

ORGANIC EFFICIENCY 94.51%

PD = 1.650

EP = .1503

** 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	99.68	8.74	.03
1.300	1.350	30.79	39.56	16.70	99.27	30.56	.22
1.350	1.400	22.34	61.90	19.98	97.86	21.86	.48
1.400	1.450	4.00	65.90	25.46	95.15	3.81	.19
1.450	1.500	18.00	83.90	45.42	90.90	16.36	1.64
1.500	1.550	8.06	91.96	48.79	85.13	6.86	1.20
1.550	1.600	1.64	93.60	53.76	78.12	1.28	.36
1.600	1.650	2.88	96.48	57.82	70.29	2.03	.86
1.650	1.700	1.60	98.09	61.90	28.05	1.00	.61
1.700	1.750	.88	98.97	65.76	53.94	.48	.41
1.750	1.800	.63	99.60	69.41	46.18	.29	.34
1.800	1.850	.33	99.93	72.01	39.03	.13	.20
1.850	1.900	.07	100.00	74.83	32.62	.02	.05

HEAD ASH OF WASHABILITY DATA = 28.77

AVERAGE S.G. FEED = 1.407

AVERAGE S.G. FLOATS = 1.397

AVERAGE S.G. SINKS = 1.557

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 93.42%

F2 = 1.250 ASH 27.36%

YIELD ERROR 2.66%

ASH ERROR .86%

PREDICTED REJECTS 6.58%

ORGANIC EFFICIENCY 97.23%

PD = 1.750 ASH 49.60%

EP = .1734

** 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	53.40	.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%

F2 = 1.250 ASH 27.93%

YIELD ERROR 1.41%

ASH ERROR .49%

PREDICTED REJECTS 3.66% ORGANIC EFFICIENCY 98.56%

PD = 1.850 ASH 52.26%

EP = .1766

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. REACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	94.48	2.26
1.300	1.350	9.95	12.34	4.47	3.49	91.22	9.07
1.350	1.400	7.46	19.80	9.49	5.06	83.79	6.25
1.400	1.450	8.40	28.20	14.19	8.48	74.65	6.27
1.450	1.500	9.60	37.80	19.12	11.19	64.70	6.21
1.500	1.550	8.50	46.30	23.75	13.49	54.77	4.65
1.550	1.600	10.20	56.50	27.41	16.01	45.45	4.64
1.600	1.650	9.26	65.76	29.80	17.95	37.11	3.44
1.650	1.700	7.75	73.51	32.09	19.44	29.91	2.32
1.700	1.750	4.41	77.93	35.80	20.37	23.85	1.05
1.750	1.800	3.57	81.50	41.59	21.30	18.87	.67
1.800	1.850	4.46	85.96	47.08	22.64	14.83	.66
1.850	1.900	3.40	89.37	53.18	23.80	11.60	.39
1.900	1.950	2.55	91.91	58.90	24.77	9.04	.23
1.950	2.000	1.98	93.80	63.73	25.55	7.03	.13
2.000	2.050	1.38	95.18	67.93	26.17	5.45	.08
2.050	2.100	1.03	96.21	71.70	26.66	4.23	.04
2.100	2.150	.79	97.00	75.11	27.05	3.27	.03
2.150	2.200	.65	97.65	78.26	27.39	2.53	.02
2.200	2.250	.58	98.23	81.20	27.71	1.96	.01
2.250	2.300	.57	98.80	84.02	28.04	1.52	.01
2.300	2.350	.59	99.39	86.78	28.38	1.18	.01
2.350	2.400	.61	100.00	89.57	28.76	.92	.01

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.477

AVERAGE S.G. SINKS = 1.721

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 28M

IMPERFECTION = 0.210 PREDICTED YIELD 48.45%

F2 = 1.250

ASH 18.18%

YIELD ERROR 18.50%

ASH ERROR 4.15%

PREDICTED REJECTS 51.55%

ORGANIC EFFICIENCY 72.37%

FD = 1.550

ASH 38.70%

EP = .1444

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	97.86	2.34
1.300	1.350	9.95	12.34	4.47	3.99	96.28	9.58
1.350	1.400	7.46	19.80	9.49	6.06	92.16	6.88
1.400	1.450	8.40	28.20	14.19	8.48	86.29	7.25
1.450	1.500	9.60	37.80	19.12	11.19	79.03	7.59
1.500	1.550	8.50	46.30	23.75	13.49	70.87	6.02
1.550	1.600	10.20	56.50	27.41	16.01	62.38	6.36
1.600	1.650	9.26	65.76	29.80	17.95	54.02	5.00
1.650	1.700	7.75	73.51	32.09	19.44	46.13	3.58
1.700	1.750	4.41	77.93	35.80	20.37	38.93	1.72
1.750	1.800	3.57	81.50	41.59	21.30	32.54	1.16
1.800	1.850	4.46	85.96	47.08	22.64	26.97	1.20
1.850	1.900	3.40	89.37	53.18	23.80	22.21	.76
1.900	1.950	2.55	91.91	58.90	24.77	18.19	.46
1.950	2.000	1.88	93.80	63.73	25.55	14.83	.28
2.000	2.050	1.38	95.18	67.93	26.17	12.05	.17
2.050	2.100	1.03	96.21	71.70	26.66	9.77	.10
2.100	2.150	.79	97.00	75.11	27.05	7.90	.04
2.150	2.200	.65	97.65	78.26	27.39	6.38	.04
2.200	2.250	.58	98.23	81.20	27.71	5.14	.03
2.250	2.300	.57	98.80	84.02	28.04	4.14	.02
2.300	2.350	.59	99.39	86.78	28.38	3.34	.02
2.350	2.400	.61	100.00	89.57	28.76	2.69	.02

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.502

AVERAGE S.G. SINKS = 1.758

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 28M

IMPERFECTION = 0.210 PREDICTED YIELD 60.64%

F2 = 1.250

ASH 20.25%

YIELD ERROR 16.73%

ASH ERROR 3.38%

PREDICTED REJECTS 39.36%

ORGANIC EFFICIENCY 78.38%

PD = 1.650

ASH 41.86%

EP = .1706

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	99.17	2.37
1.300	1.350	9.95	12.34	4.47	3.49	98.43	9.79
1.350	1.400	7.46	19.80	9.49	6.06	96.28	7.19
1.400	1.450	8.40	28.20	14.19	8.48	92.81	7.80
1.450	1.500	9.60	37.80	19.12	11.19	88.01	8.45
1.500	1.550	8.50	46.30	23.75	13.49	82.07	6.97
1.550	1.600	10.20	56.50	27.41	16.01	75.30	7.68
1.600	1.650	9.26	65.76	29.80	17.95	68.06	6.30
1.650	1.700	7.75	73.51	32.09	19.44	60.69	4.71
1.700	1.750	4.41	77.93	35.80	20.37	53.48	2.36
1.750	1.800	3.57	81.50	41.59	21.30	46.64	1.67
1.800	1.850	4.46	85.96	47.08	22.64	40.31	1.80
1.850	1.900	3.40	89.37	53.18	23.80	34.58	1.18
1.900	1.950	2.55	91.91	58.90	24.77	29.47	.75
1.950	2.000	1.88	93.80	63.73	25.55	24.98	.47
2.000	2.050	1.38	95.18	67.93	26.17	21.07	.29
2.050	2.100	1.03	96.21	71.70	26.66	17.71	.18
2.100	2.150	.79	97.00	75.11	27.05	14.83	.12
2.150	2.200	.65	97.65	78.26	27.39	12.39	.08
2.200	2.250	.58	98.23	81.20	27.71	10.33	.06
2.250	2.300	.57	98.80	84.02	28.04	8.60	.05
2.300	2.350	.59	99.39	86.78	28.38	7.15	.04
2.350	2.400	.61	100.00	89.57	28.76	5.93	.04

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.522

AVERAGE S.G. SINKS = 1.794

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 28M

IMPERFECTION = 0.210 PREDICTED YIELD 70.34%

F2 = 1.250 ASH 21.94%

PREDICTED REJECTS 29.66%

PD = 1.750 ASH 44.93%

EP = .1969

YIELD ERROR 13.30%

ASH ERROR 3.11%

ORGANIC EFFICIENCY 84.10%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 839

DATA SET NAME: HAT CRK Z 1/4x28M

DATE: 07 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.292	1.300	2.39	2.39	2.00	2.00	99.67	2.38
1.300	1.350	9.95	12.34	4.47	3.29	99.33	9.88
1.350	1.400	7.46	19.80	9.49	6.06	98.24	7.33
1.400	1.450	8.40	28.20	14.19	8.48	96.28	8.09
1.450	1.500	9.60	37.80	19.12	11.19	93.29	8.96
1.500	1.550	8.50	46.30	23.75	13.49	89.26	7.58
1.550	1.600	10.20	56.50	27.41	16.01	84.28	8.60
1.600	1.650	9.26	65.76	29.80	17.95	78.56	7.27
1.650	1.700	7.75	73.51	32.09	19.44	72.35	5.61
1.700	1.750	4.41	77.93	35.80	20.37	65.89	2.91
1.750	1.800	3.57	81.50	41.59	21.30	59.40	2.12
1.800	1.850	4.46	85.96	47.08	22.64	53.06	2.37
1.850	1.900	3.40	89.37	53.18	23.80	47.03	1.60
1.900	1.950	2.55	91.91	58.90	24.77	41.39	1.05
1.950	2.000	1.88	93.80	63.73	25.55	36.20	.68
2.000	2.050	1.38	95.18	67.93	26.17	31.50	.44
2.050	2.100	1.03	96.21	71.70	26.66	27.28	.28
2.100	2.150	.79	97.00	75.11	27.05	23.53	.19
2.150	2.200	.65	97.65	78.26	27.39	20.23	.13
2.200	2.250	.58	98.23	81.20	27.71	17.34	.10
2.250	2.300	.57	98.80	84.02	28.04	14.83	.08
2.300	2.350	.59	99.39	86.78	28.38	12.66	.07
2.350	2.400	.61	100.00	89.57	28.76	10.79	.07

HEAD ASH OF WASHABILITY DATA = 28.85

AVERAGE S.G. FEED = 1.603

AVERAGE S.G. FLOATS = 1.539

AVERAGE S.G. SINKS = 1.828

PROCESS: BAUM JIG

SIZE RANGE: 1/4 x 28M

IMPERFECTION = 0.210 PREDICTED YIELD 77.80%

F2 = 1.250 ASH 23.31%

PREDICTED REJECTS 22.20%

PD = 1.850 ASH 47.86%

EP = .2231

YIELD ERROR 10.13%

ASH ERROR 2.97%

ORGANIC EFFICIENCY 88.48%

** 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	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%

F2 = 1.000 ASH 23.51%

PD = 1.500 PREDICTED REJECTS 29.22%

EP = 1.400 ASH 36.53%

YIELD ERROR 17.53%

ASH ERROR 4.77%

ORGANIC EFFICIENCY 80.15%

** 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	96.01	10.39	.43
1.300	1.350	29.29	16.02	14.91	93.05	27.25	2.04
1.350	1.400	22.50	21.84	17.40	87.16	19.61	2.89
1.400	1.450	11.13	29.57	19.24	79.73	8.87	2.26
1.450	1.500	12.77	44.94	23.03	71.35	9.11	3.66
1.500	1.550	6.92	48.00	24.88	62.63	4.34	2.59
1.550	1.600	1.59	52.86	25.35	54.09	.86	.73
1.600	1.650	2.12	58.27	26.07	46.08	.98	1.14
1.650	1.700	.80	63.08	26.37	38.81	.31	.49
1.700	1.750	.35	67.06	26.51	32.40	.11	.24
1.750	1.800	.46	70.23	26.71	26.84	.12	.34
1.800	1.850	.48	72.31	26.93	22.11	.11	.37
1.850	1.900	.31	74.41	27.08	18.13	.06	.26
1.900	1.950	.26	76.08	27.21	14.81	.04	.22
1.950	2.000	.21	77.32	27.32	12.07	.03	.18

HEAD ASH OF WASHABILITY DATA = 27.35

AVERAGE S.G. FEED = 1.400
AVERAGE S.G. FLOATS = 1.381
AVERAGE S.G. SINKS = 1.490

PROCESS: DRY CLEAN

SIZE RANGE: 2 x 1/4

IMPERFECTION = 0.280 PREDICTED YIELD 82.18%
F2 = 1.000 ASH 24.62%

YIELD ERROR 10.27%

PREDICTED REJECTS 17.82%
ASH 39.75%

ASH ERROR 2.87%
ORGANIC EFFICIENCY 88.89%

PD = 1.600
EP = .1680

** 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	98.32	10.64	.18
1.300	1.350	29.29	40.11	16.02	96.80	28.35	.94
1.350	1.400	22.50	62.61	21.84	93.40	21.01	1.49
1.400	1.450	11.13	73.74	29.57	88.57	9.86	1.27
1.450	1.500	12.77	86.51	44.94	82.53	10.54	2.23
1.500	1.550	6.92	93.43	48.00	75.62	5.23	1.69
1.550	1.600	1.59	95.02	52.86	68.25	1.08	.50
1.600	1.650	2.12	97.14	58.27	60.77	1.29	.83
1.650	1.700	.80	97.93	63.08	53.50	.43	.37
1.700	1.750	.35	98.28	67.06	46.63	.16	.19
1.750	1.800	.46	98.74	70.23	40.30	.18	.27
1.800	1.850	.48	99.22	72.31	34.59	.16	.31
1.850	1.900	.31	99.53	74.41	29.51	.09	.22
1.900	1.950	.26	99.79	76.08	25.06	.07	.20
1.950	2.000	.21	100.00	77.32	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%

F2 = 1.000 ASH 25.42%

YIELD ERROR 6.09%

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	10.82	11.91	99.28	10.75	.08
1.300	1.350	29.29	40.11	16.02	98.52	28.85	.43
1.350	1.400	22.50	62.61	21.84	96.63	21.74	.76
1.400	1.450	11.13	73.74	29.57	93.65	10.42	.71
1.450	1.500	12.77	86.51	44.94	89.58	11.44	1.33
1.500	1.550	6.92	93.43	48.00	84.53	5.85	1.07
1.550	1.600	1.59	95.02	52.86	78.72	1.25	.34
1.600	1.650	2.12	97.14	58.27	72.43	1.53	.58
1.650	1.700	.80	97.93	63.08	65.91	.52	.27
1.700	1.750	.35	98.28	67.06	59.39	.21	.14
1.750	1.800	.46	98.74	70.23	53.05	.24	.22
1.800	1.850	.48	99.22	72.31	47.04	.22	.25
1.850	1.900	.31	99.53	74.41	41.44	.13	.18
1.900	1.950	.26	99.79	76.08	36.31	.09	.17
1.950	2.000	.21	100.00	77.32	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%

F2 = 1.000 ASH 25.99%

YIELD ERROR 3.60%

ASH ERROR 1.14%

PREDICTED REJECTS 6.67%

ORGANIC EFFICIENCY 96.29%

PD = 1.800 ASH 45.81%

EP = .2240

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 857

DATA SET NAME: HT CR Z ATT 4x100

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.309	1.350	17.94	17.94	8.82	8.82	71.84	12.89	5.05
1.350	1.400	20.16	38.10	13.00	11.03	56.56	11.40	8.75
1.400	1.450	11.17	49.27	19.91	13.04	43.15	4.82	6.35
1.450	1.500	9.39	58.66	26.23	15.15	29.57	2.78	6.61
1.500	1.550	8.31	66.97	28.26	16.78	20.47	1.70	6.61
1.550	1.600	5.00	71.97	30.33	17.72	13.70	.69	4.32
1.600	1.650	5.92	77.89	32.81	18.87	8.78	.52	5.40
1.650	1.700	4.81	82.70	35.56	19.84	6.14	.30	4.51
1.700	1.750	3.07	85.77	39.09	20.53	3.91	.12	2.95
1.750	1.800	2.58	88.35	43.97	21.21	1.98	.05	2.53
1.800	1.850	2.58	90.93	48.73	22.00	.60	.02	2.57
1.850	1.900	1.68	92.61	53.81	22.57	.00	.00	1.68
1.900	1.950	1.24	93.85	58.37	23.05	.00	.00	1.24
1.950	2.000	1.12	94.97	61.93	23.50	.00	.00	1.12
2.000	2.050	1.19	96.16	64.77	24.01	.00	.00	1.19
2.050	2.100	1.31	97.47	67.13	24.59	.00	.00	1.31
2.100	2.150	1.35	98.82	69.17	25.20	.00	.00	1.35
2.150	2.200	1.18	100.00	71.02	25.74	.00	.00	1.18

HEAD ASH OF WASHABILITY DATA = 25.77

AVERAGE S.G. FEED = 1.525

AVERAGE S.G. FLOATS = 1.392

AVERAGE S.G. SINKS = 1.597

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .858

F2 = 1.000

PREDICTED YIELD 35.28%

ASH 15.16%

YIELD ERROR 23.41%

ASH ERROR 4.44%

PREDICTED REJECTS 64.72%

ASH 31.51%

ORGANIC EFFICIENCY 60.11%

PD = 1.400

EP = .0913

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 857

DATA SET NAME: HT CR Z ATT 4x100

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.309	1.350	17.94	17.94	8.82	8.82	86.93	15.60	2.35
1.350	1.400	20.16	38.10	13.00	11.03	80.55	16.24	3.92
1.400	1.450	11.17	49.27	19.91	13.04	69.26	7.74	3.43
1.450	1.500	9.39	58.66	26.23	15.15	55.36	5.20	4.19
1.500	1.550	8.31	66.97	28.26	16.78	44.37	3.62	4.62
1.550	1.600	5.00	71.97	30.33	17.72	32.84	1.64	3.36
1.600	1.650	5.92	77.89	32.81	18.87	24.58	1.46	4.46
1.650	1.700	4.81	82.70	35.56	19.84	17.63	.85	3.96
1.700	1.750	3.07	85.77	39.09	20.53	12.56	.39	2.69
1.750	1.800	2.58	88.35	43.97	21.21	8.71	.22	2.36
1.800	1.850	2.58	90.93	48.73	22.00	6.48	.17	2.41
1.850	1.900	1.68	92.61	53.81	22.57	4.68	.08	1.60
1.900	1.950	1.24	93.85	58.37	23.05	2.90	.04	1.20
1.950	2.000	1.12	94.97	61.93	23.50	1.53	.02	1.10
2.000	2.050	1.19	96.16	64.77	24.01	.42	.00	1.18
2.050	2.100	1.31	97.47	67.13	24.59	.00	.00	1.31
2.100	2.150	1.35	98.82	69.17	25.20	.00	.00	1.35
2.150	2.200	1.18	100.00	71.02	25.74	.00	.00	1.18

HEAD ASH OF WASHABILITY DATA = 25.77

AVERAGE S.G. FEED = 1.525

AVERAGE S.G. FLOATS = 1.414

AVERAGE S.G. SINKS = 1.651

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .858

PREDICTED YIELD 53.32%

YIELD ERROR 15.35%

F2 = 1.000

ASH 17.10%

ASH ERROR 3.15%

PREDICTED REJECTS 46.68%

ORGANIC EFFICIENCY 77.64%

PD = 1.500

ASH 35.61%

EP = .1111

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 857

DATA SET NAME: HT CR Z ATT 4x100

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.309 1.350	17.94	17.94	8.82	8.82	93.18	16.72	1.22
1.350 1.400	20.16	38.10	13.00	11.03	89.04	17.95	2.21
1.400 1.450	11.17	49.27	19.91	13.04	84.36	9.42	1.75
1.450 1.500	9.39	58.66	24.23	15.15	76.39	7.17	2.22
1.500 1.550	8.31	66.97	28.26	16.78	65.86	5.47	2.84
1.550 1.600	5.00	71.97	30.33	17.72	54.55	2.73	2.27
1.600 1.650	5.92	77.89	32.81	18.87	45.23	2.68	3.24
1.650 1.700	4.81	82.70	35.56	19.84	35.48	1.71	3.10
1.700 1.750	3.07	85.77	39.09	20.53	27.29	.84	2.23
1.750 1.800	2.58	88.35	43.97	21.21	20.99	.54	2.04
1.800 1.850	2.58	90.93	48.73	22.00	15.93	.41	2.17
1.850 1.900	1.68	92.61	53.81	22.57	11.81	.20	1.48
1.900 1.950	1.24	93.85	58.37	23.05	8.66	.11	1.13
1.950 2.000	1.12	94.97	61.93	23.50	6.73	.08	1.05
2.000 2.050	1.19	96.16	64.77	24.01	5.23	.06	1.13
2.050 2.100	1.31	97.47	67.13	24.59	3.64	.05	1.26
2.100 2.150	1.35	98.82	69.17	25.20	2.27	.03	1.32
2.150 2.200	1.18	100.00	71.02	25.74	1.25	.01	1.16

HEAD ASH OF WASHABILITY DATA = 25.77

AVERAGE S.G. FEED = 1.525

AVERAGE S.G. FLOATS = 1.435

AVERAGE S.G. SINKS = 1.700

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .858

F2 = 1.000

PREDICTED YIELD 66.18%

ASH 18.91%

YIELD ERROR 11.89%

ASH ERROR 2.28%

PREDICTED REJECTS 33.82%

ASH 39.12%

ORGANIC EFFICIENCY 84.77%

PD = 1.600

EP = .1309

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 857

DATA SET NAME: HT CR Z ATT 4x100

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.309 1.350	17.94	17.94	8.82	8.82	97.33	17.46	.48
1.350 1.400	20.16	38.10	13.00	11.03	94.25	19.00	1.16
1.400 1.450	11.17	49.27	19.91	13.04	90.29	10.09	1.08
1.450 1.500	9.39	58.66	26.23	15.15	86.45	8.12	1.27
1.500 1.550	8.31	66.97	28.26	16.78	81.30	6.75	1.55
1.550 1.600	5.00	71.97	30.33	17.72	73.28	3.67	1.34
1.600 1.650	5.92	77.89	32.81	18.87	63.20	3.74	2.18
1.650 1.700	4.81	82.70	35.56	19.84	53.95	2.59	2.21
1.700 1.750	3.07	85.77	39.09	20.53	45.85	1.41	1.66
1.750 1.800	2.58	88.35	43.97	21.21	37.48	.97	1.61
1.800 1.850	2.58	90.93	48.73	22.00	29.43	.76	1.82
1.850 1.900	1.68	92.61	53.81	22.57	23.97	.40	1.28
1.900 1.950	1.24	93.85	58.37	23.05	18.69	.23	1.01
1.950 2.000	1.12	94.97	61.93	23.50	14.73	.16	.96
2.000 2.050	1.19	96.16	64.77	24.01	11.28	.13	1.05
2.050 2.100	1.31	97.47	67.13	24.59	8.63	.11	1.20
2.100 2.150	1.35	98.82	69.17	25.20	6.91	.09	1.26
2.150 2.200	1.18	100.00	71.02	25.74	5.61	.07	1.11

HEAD ASH OF WASHABILITY DATA = 25.77

AVERAGE S.G. FEED = 1.525

AVERAGE S.G. FLOATS = 1.453

AVERAGE S.G. SINKS = 1.748

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .858

F2 = 1.000

PREDICTED YIELD 75.76%

ASH 20.32%

YIELD ERROR 9.06%

ASH ERROR 1.86%

PREDICTED REJECTS 24.24%

ASH 42.70%

ORGANIC EFFICIENCY 89.32%

PD = 1.700

EP = .1508

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 857

DATA SET NAME: HT CR Z ATT 4x100

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.309	1.350	17.94	17.94	8.82	8.82	99.41	17.84
1.350	1.400	20.16	38.10	13.00	11.83	97.64	19.68
1.400	1.450	11.17	49.27	19.91	13.04	94.73	10.58
1.450	1.500	9.39	58.66	26.23	15.15	91.28	8.57
1.500	1.550	8.31	66.97	28.26	16.78	87.85	7.30
1.550	1.600	5.00	71.97	30.33	17.72	84.10	4.21
1.600	1.650	5.92	77.89	32.81	18.87	78.22	4.63
1.650	1.700	4.81	82.70	35.56	19.84	70.90	3.41
1.700	1.750	3.07	85.77	39.09	20.53	61.24	1.88
1.750	1.800	2.58	88.35	43.97	21.21	53.50	1.38
1.800	1.850	2.58	90.93	48.73	22.00	46.34	1.20
1.850	1.900	1.68	92.61	53.81	22.57	38.99	.64
1.900	1.950	1.24	93.85	58.37	23.05	31.46	.39
1.950	2.000	1.12	94.97	61.93	23.50	26.18	.29
2.000	2.050	1.19	96.16	64.77	24.01	21.27	.25
2.050	2.100	1.31	97.47	67.13	24.59	17.18	.22
2.100	2.150	1.35	98.82	69.17	25.20	13.83	.19
2.150	2.200	1.18	100.00	71.02	25.74	10.88	.13

HEAD ASH OF WASHABILITY DATA = 25.77

AVERAGE S.G. FEED = 1.525

AVERAGE S.G. FLOATS = 1.468

AVERAGE S.G. SINKS = 1.796

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .858

F2 = 1.000

PREDICTED YIELD 82.88%

ASH 21.47%

PREDICTED REJECTS 17.20%

ASH 46.31%

YIELD ERROR 6.40%

ASH ERROR 1.61%

ORGANIC EFFICIENCY 92.83%

PD = 1.800

EP = .1706

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 857

DATA SET NAME: HT CR Z ATT 4x100

DATE: 24 MAY 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.309	1.350	17.94	17.94	8.82	8.82	100.00	17.94	.00
1.350	1.400	20.16	38.10	13.00	11.83	99.41	20.04	.12
1.400	1.450	11.17	49.27	19.91	13.04	97.66	10.91	.26
1.450	1.500	9.39	58.66	26.23	15.15	95.10	8.93	.46
1.500	1.550	8.31	66.97	28.26	16.78	92.06	7.65	.66
1.550	1.600	5.00	71.97	30.33	17.72	88.91	4.45	.55
1.600	1.650	5.92	77.89	32.81	18.87	85.85	5.08	.84
1.650	1.700	4.81	82.70	35.56	19.84	81.72	3.93	.88
1.700	1.750	3.07	85.77	39.09	20.53	75.48	2.32	.75
1.750	1.800	2.58	88.35	43.97	21.21	68.69	1.77	.81
1.800	1.850	2.58	90.93	48.73	22.00	59.82	1.54	1.04
1.850	1.900	1.68	92.61	53.81	22.57	53.14	.89	.79
1.900	1.950	1.24	93.85	58.37	23.05	46.72	.58	.66
1.950	2.000	1.12	94.97	61.93	23.50	40.15	.45	.67
2.000	2.050	1.19	96.16	64.77	24.01	33.31	.40	.79
2.050	2.100	1.31	97.47	67.13	24.59	27.86	.36	.94
2.100	2.150	1.35	98.82	69.17	25.20	23.61	.32	1.03
2.150	2.200	1.18	100.00	71.02	25.74	19.36	.23	.95

HEAD ASH OF WASHABILITY DATA = 25.77

AVERAGE S.G. FEED = 1.525

AVERAGE S.G. FLOATS = 1.481

AVERAGE S.G. SINKS = 1.839

PROCESS: 24" WATER ONLY CYCLONE

2 STAGE APPROXIMATION

F1 = .858

F2 = 1.000

PREDICTED YIELD 87.79%

ASH 22.44%

YIELD ERROR 4.42%

ASH ERROR 1.37%

PREDICTED REJECTS 12.21%

ORGANIC EFFICIENCY 95.21%

PD = 1.900

EP = .1904

ASH 49.53%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	5.26	5.26	98.68	6.48	.09
1.300	1.325	10.64	7.82	6.64	97.62	10.38	.25
1.325	1.350	9.73	11.05	8.36	94.48	9.19	.54
1.350	1.375	8.83	14.32	9.83	82.76	7.31	1.52
1.375	1.400	8.14	17.65	11.28	61.30	4.99	3.15
1.400	1.425	7.73	20.86	12.72	38.55	2.98	4.75
1.425	1.450	6.67	23.75	13.98	18.02	1.20	5.47
1.450	1.475	3.84	26.48	14.76	6.67	.26	3.60
1.475	1.500	3.34	28.90	15.48	3.23	.11	3.23
1.500	1.550	5.45	31.33	16.69	2.19	.12	5.33
1.550	1.600	4.05	34.95	17.68	1.23	.05	4.00
1.600	1.650	4.38	38.62	18.84	1.01	.04	4.34
1.650	1.700	4.24	42.26	20.02	.44	.02	4.22
1.700	1.800	7.58	47.19	22.28	.00	.00	7.58
1.800	1.900	4.48	53.33	23.74	.00	.00	4.48
1.900	2.000	2.16	59.16	24.52	.00	.00	2.16
2.000	2.100	1.10	64.54	24.96	.00	.00	1.10
2.100	2.200	1.06	69.76	25.44	.00	.00	1.06

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.345

AVERAGE S.G. SINKS = 1.602

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = 1.798

PREDICTED YIELD 43.13%

YIELD ERROR 4.71%

F2 = 1.200

ASH 12.01%

ASH ERROR .87%

F3 = 1.060

PREDICTED REJECTS 56.87%

ORGANIC EFFICIENCY 90.16%

PD = 1.400

ASH 35.62%

EP = 1.0282

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	5.26	99.66	6.55
1.300	1.350	20.36	26.93	9.35	8.35	99.29	20.22
1.350	1.400	16.97	43.90	15.91	11.27	98.81	16.77
1.400	1.425	7.73	51.63	20.86	12.71	97.09	7.50
1.425	1.450	6.67	58.30	23.75	13.97	93.24	6.22
1.450	1.475	3.86	62.16	26.48	14.75	79.99	3.09
1.475	1.500	3.34	65.50	28.90	15.47	60.30	2.01
1.500	1.525	2.99	68.49	30.63	16.13	39.57	1.18
1.525	1.550	2.46	70.95	32.23	16.69	20.47	.50
1.550	1.575	2.03	72.97	34.02	17.17	7.86	.16
1.575	1.600	2.03	75.00	35.90	17.68	4.04	.08
1.600	1.650	4.38	79.38	38.62	18.83	2.31	.10
1.650	1.700	4.24	83.62	42.26	20.02	1.38	.06
1.700	1.750	4.05	87.68	45.69	21.21	1.12	.05
1.750	1.800	3.52	91.20	48.94	22.28	.73	.03
1.800	1.850	2.62	93.82	52.10	23.11	.22	.01
1.850	1.900	1.86	95.68	55.15	23.74	.00	.00
1.900	2.000	2.16	97.84	59.16	24.52	.00	.00
2.000	2.100	1.10	98.94	64.54	24.96	.00	.00
2.100	2.200	1.06	100.00	69.76	25.44	.00	.00

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.375

AVERAGE S.G. SINKS = 1.702

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .799

PREDICTED YIELD 64.52%

YIELD ERROR 1.48%

F2 = 1.200

ASH 15.58%

ASH ERROR .32%

F3 = 1.060

PREDICTED REJECTS 35.48%

ORGANIC EFFICIENCY 97.76%

PD = 1.500

ASH 43.36%

EP = .0310

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	5.26	5.26	100.00	6.57	.00
1.300	1.350	20.36	9.35	8.35	99.95	20.35	.01
1.350	1.400	16.97	15.91	11.27	99.66	16.91	.06
1.400	1.450	14.40	22.20	13.97	99.09	14.27	.13
1.450	1.500	7.20	27.70	15.48	98.61	7.10	.10
1.500	1.525	2.99	30.63	16.14	96.43	2.88	.11
1.525	1.550	2.46	32.23	16.70	91.86	2.26	.20
1.550	1.575	2.03	34.02	17.18	77.64	1.57	.45
1.575	1.600	2.03	35.90	17.69	59.45	1.21	.82
1.600	1.625	2.22	37.71	18.26	40.43	.90	1.32
1.625	1.650	2.16	39.56	18.84	22.57	.49	1.68
1.650	1.675	2.13	41.37	19.43	9.36	.20	1.93
1.675	1.700	2.11	43.14	20.03	5.02	.11	2.00
1.700	1.750	4.05	45.69	21.22	2.43	.10	3.96
1.750	1.800	3.52	48.94	22.29	1.60	.06	3.47
1.800	1.850	2.62	52.10	23.12	1.17	.03	2.59
1.850	1.900	1.86	55.15	23.74	.95	.02	1.84
1.900	1.950	1.28	58.07	24.20	.47	.01	1.28
1.950	2.000	.87	60.84	24.53	.08	.00	.87
2.000	2.100	1.10	64.54	24.97	.00	.00	1.10
2.100	2.200	1.06	69.76	25.44	.00	.00	1.06

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.398

AVERAGE S.G. SINKS = 1.772

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798	PREDICTED YIELD	75.02%	YIELD ERROR	.73%
F2 = 1.200	ASH	17.88%	ASH ERROR	.19%
F3 = 1.060	PREDICTED REJECTS	24.98%	ORGANIC EFFICIENCY	99.04%
PD = 1.600	ASH	48.16%		
EP = .0337				

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	5.26	5.26	100.00	6.57	.00
1.300	1.350	20.36	9.35	8.75	100.00	20.36	.00
1.350	1.400	16.97	15.91	11.27	100.00	16.97	.00
1.400	1.450	14.40	22.20	13.97	99.86	14.38	.02
1.450	1.500	7.20	27.70	15.48	99.49	7.16	.04
1.500	1.550	5.45	31.33	16.70	98.93	5.39	.06
1.550	1.600	4.05	34.95	17.69	98.25	3.98	.07
1.600	1.625	2.22	37.71	18.26	95.58	2.12	.10
1.625	1.650	2.16	39.56	18.84	90.21	1.95	.21
1.650	1.675	2.13	41.37	19.43	75.67	1.61	.52
1.675	1.700	2.11	43.14	20.03	58.74	1.24	.67
1.700	1.725	2.06	44.86	20.63	41.16	.85	1.21
1.725	1.750	1.99	46.54	21.22	24.38	.48	1.50
1.750	1.775	1.86	48.19	21.78	11.15	.21	1.65
1.775	1.800	1.66	49.80	22.29	5.86	.10	1.56
1.800	1.850	2.62	52.10	23.12	2.67	.07	2.55
1.850	1.900	1.86	55.15	23.74	1.90	.04	1.83
1.900	1.950	1.28	58.07	24.20	1.23	.02	1.27
1.950	2.000	.87	60.84	24.52	1.09	.01	.86
2.000	2.050	.61	63.44	24.77	.71	.00	.61
2.050	2.100	.49	65.95	24.97	.28	.00	.49
2.100	2.200	1.06	69.76	25.44	.00	.00	1.06

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.423

AVERAGE S.G. SINKS = 1.836

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798
F2 = 1.200
F3 = 1.060
PD = 1.700
EP = .0364

PREDICTED YIELD 83.52%
ASH 20.13%
PREDICTED REJECTS 16.48%
ASH 52.37%

YIELD ERROR .45%
ASH ERROR .13%
ORGANIC EFFICIENCY 99.46%

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	5.26	5.26	100.00	6.57	.00
1.300	1.350	20.36	9.35	8.35	100.00	20.36	.00
1.350	1.400	16.97	15.91	11.27	100.00	16.97	.00
1.400	1.450	14.40	22.20	13.97	100.00	14.40	.00
1.450	1.500	7.20	27.70	15.48	99.97	7.20	.00
1.500	1.550	5.45	31.33	16.70	99.75	5.43	.01
1.550	1.600	4.05	34.95	17.69	99.33	4.03	.03
1.600	1.650	4.38	38.62	18.84	98.89	4.33	.05
1.650	1.700	4.24	42.26	20.03	97.78	4.15	.09
1.700	1.725	2.06	44.86	20.63	94.59	1.95	.11
1.725	1.750	1.99	46.54	21.22	88.30	1.76	.23
1.750	1.775	1.86	48.19	21.78	74.01	1.38	.48
1.775	1.800	1.66	49.80	22.29	58.12	.97	.70
1.800	1.825	1.42	51.39	22.73	41.79	.59	.83
1.825	1.850	1.20	52.95	23.12	25.94	.31	.89
1.850	1.875	1.01	54.48	23.46	13.03	.13	.88
1.875	1.900	.85	55.97	23.74	6.58	.06	.79
1.900	1.925	.70	57.43	23.99	3.88	.03	.68
1.925	1.950	.58	58.86	24.20	2.58	.01	.57
1.950	2.000	.87	60.84	24.52	2.17	.02	.85
2.000	2.050	.61	63.44	24.77	1.34	.01	.60
2.050	2.100	.49	65.95	24.97	1.14	.01	.48
2.100	2.150	.48	68.41	25.18	.91	.00	.48
2.150	2.200	.58	70.84	25.44	.50	.00	.58

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.448

AVERAGE S.G. SINKS = 1.910

PROCESS: 26" HEAVY MEDIUM CYCLONE

F1 = .798

PREDICTED YIELD 90.66%

YIELD ERROR .29%

F2 = 1.200

ASH 22.21%

ASH ERROR .09%

F3 = 1.040

PREDICTED REJECTS 9.34%

ORGANIC EFFICIENCY 99.68%

PD = 1.800

ASH 56.85%

EP = .0392

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	5.26	48.60	4.51
1.300	1.350	20.36	26.93	9.35	8.35	61.81	12.59
1.350	1.400	16.97	43.90	15.91	11.27	53.64	9.10
1.400	1.450	14.40	58.30	22.20	13.97	46.19	6.65
1.450	1.500	7.20	65.50	27.70	15.48	38.55	2.78
1.500	1.550	5.45	70.95	31.33	16.70	30.81	1.68
1.550	1.600	4.05	75.00	34.95	17.69	25.55	1.04
1.600	1.650	4.38	79.38	38.62	18.84	20.45	.90
1.650	1.700	4.24	83.62	42.26	20.03	16.43	.70
1.700	1.750	4.05	87.68	45.69	21.22	13.03	.53
1.750	1.800	3.52	91.20	48.94	22.29	10.13	.36
1.800	1.850	2.62	93.82	52.10	23.12	8.03	.21
1.850	1.900	1.86	95.68	55.15	23.74	6.61	.12
1.900	1.950	1.28	96.97	58.07	24.20	5.42	.07
1.950	2.000	.87	97.84	60.84	24.52	4.15	.04
2.000	2.050	.61	98.45	63.44	24.77	2.96	.02
2.050	2.100	.49	98.94	65.95	24.97	1.97	.01
2.100	2.150	.48	99.42	68.41	25.18	1.19	.01
2.150	2.200	.58	100.00	70.84	25.44	.43	.00

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.401

AVERAGE S.G. SINKS = 1.554

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

PREDICTED YIELD 41.29%

YIELD ERROR 33.84%

F2 = 1.200

ASH 17.72%

ASH ERROR 6.89%

PREDICTED REJECTS 58.71%

ORGANIC EFFICIENCY 54.96%

PD = 1.400

ASH 30.88%

EP = .1642

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G.		% OF	CUM. %	%	CUM.	PARTITION	% OF	% OF
FRACTION		FEED	OF	INST.	%	NUMBER	FEED	FEED
			FEED	ASH	ASH		FLOATS	SINKS
1.285	1.300	2.06	2.06	5.26	5.26	68.60	1.41	.65
1.360	1.350	7.78	9.84	9.35	8.49	61.81	4.81	2.97
1.350	1.400	7.87	17.71	15.91	11.79	53.64	4.22	3.65
1.400	1.450	7.75	25.46	22.20	14.96	46.19	3.58	4.17
1.450	1.500	4.42	29.88	27.70	16.85	38.55	1.71	2.72
1.500	1.550	3.77	33.65	31.33	18.47	30.81	1.16	2.61
1.550	1.600	3.02	36.67	34.95	19.82	25.55	.77	2.25
1.600	1.650	3.49	40.15	38.62	21.46	20.45	.71	2.77
1.650	1.700	3.54	43.70	42.26	23.14	16.43	.58	2.96
1.700	1.750	3.53	47.22	45.69	24.83	13.03	.46	3.07
1.750	1.800	3.17	50.39	48.94	26.34	10.13	.32	2.85
1.800	1.850	2.41	52.80	52.10	27.52	8.03	.19	2.22
1.850	1.900	1.74	54.54	55.15	28.40	6.61	.11	1.62
1.900	1.950	1.21	55.75	58.07	29.05	5.42	.07	1.15
1.950	2.000	.84	56.59	60.84	29.52	4.15	.03	.80
2.000	2.050	.59	57.18	63.44	29.87	2.96	.02	.58
2.050	2.100	.48	57.66	65.95	30.17	1.97	.01	.47
2.100	2.150	.48	58.14	68.41	30.48	1.19	.01	.47
2.150	2.200	.58	58.71	70.84	30.88	.43	.00	.57

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.554

AVERAGE S.G. FLOATS = 1.434

AVERAGE S.G. SINKS = 1.618

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PREDICTED YIELD 20.18%

ASH 20.97%

YIELD ERROR 18.93%

ASH ERROR 8.17%

PREDICTED REJECTS 38.53%

ASH 36.07%

ORGANIC EFFICIENCY 51.60%

PD = 1.400

EP = .1642

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	5.26	78.51	5.16
1.300	1.350	20.36	26.93	9.35	8.35	74.41	15.15
1.350	1.400	16.97	43.90	15.91	11.27	67.68	11.48
1.400	1.450	14.40	58.30	22.20	13.97	59.28	8.54
1.450	1.500	7.20	65.50	27.70	15.48	53.00	3.82
1.500	1.550	5.45	70.95	31.33	16.70	46.87	2.55
1.550	1.600	4.05	75.00	34.95	17.69	40.62	1.65
1.600	1.650	4.38	79.38	38.62	18.84	34.10	1.49
1.650	1.700	4.24	83.62	42.26	20.03	28.58	1.21
1.700	1.750	4.05	87.68	45.69	21.22	24.56	1.00
1.750	1.800	3.52	91.20	48.94	22.29	20.36	.72
1.800	1.850	2.62	93.82	52.10	23.12	17.00	.45
1.850	1.900	1.86	95.68	55.15	23.74	14.14	.26
1.900	1.950	1.28	96.97	58.07	24.20	11.55	.15
1.950	2.000	.87	97.84	60.84	24.52	9.39	.08
2.000	2.050	.61	98.45	63.44	24.77	7.82	.05
2.050	2.100	.49	98.94	65.95	24.97	6.67	.03
2.100	2.150	.48	99.42	68.41	25.18	5.70	.03
2.150	2.200	.58	100.00	70.84	25.44	4.66	.03

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.417

AVERAGE S.G. SINKS = 1.577

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

F2 = 1.200

PREDICTED YIELD 53.84%

ASH 19.21%

YIELD ERROR 26.85%

ASH ERROR 6.07%

PREDICTED REJECTS 46.16%

ASH 32.72%

ORGANIC EFFICIENCY 66.72%

PD = 1.500

EP = .1998

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION		% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	1.41	1.41	5.26	5.26	78.51	1.11	.30
1.300	1.350	5.21	6.62	9.35	6.48	74.41	3.88	1.33
1.350	1.400	5.48	12.11	15.91	11.85	67.68	3.71	1.77
1.400	1.450	5.86	17.97	22.20	15.22	59.28	3.48	2.39
1.450	1.500	3.38	21.35	27.70	17.20	53.00	1.79	1.59
1.500	1.550	2.89	24.25	31.33	18.89	46.87	1.36	1.54
1.550	1.600	2.41	26.66	34.95	20.34	40.62	.98	1.43
1.600	1.650	2.89	29.54	38.62	22.13	34.10	.99	1.90
1.650	1.700	3.03	32.57	42.26	24.00	28.58	.87	2.16
1.700	1.750	3.06	35.63	45.69	25.86	24.56	.75	2.31
1.750	1.800	2.81	38.44	48.94	27.54	20.36	.57	2.23
1.800	1.850	2.18	40.61	52.10	28.86	17.00	.37	1.81
1.850	1.900	1.60	42.21	55.15	29.86	14.14	.23	1.37
1.900	1.950	1.14	43.35	58.07	30.60	11.55	.13	1.00
1.950	2.000	.79	44.14	60.84	31.14	9.39	.07	.72
2.000	2.050	.56	44.70	63.44	31.54	7.82	.04	.52
2.050	2.100	.45	45.16	65.95	31.89	6.67	.03	.42
2.100	2.150	.45	45.61	68.41	32.25	5.70	.03	.43
2.150	2.200	.55	46.16	70.84	32.72	4.66	.03	.53

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.577

AVERAGE S.G. FLOATS = 1.471

AVERAGE S.G. SINKS = 1.662

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PREDICTED YIELD 20.40%

ASH 24.21%

YIELD ERROR 12.51%

ASH ERROR 7.56%

PREDICTED REJECTS 25.76%

ASH 39.46%

ORGANIC EFFICIENCY 61.99%

PD = 1.500

EP = .1998

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2X1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285 1.300	6.57	6.57	5.26	5.26	83.88	5.51	1.06
1.300 1.350	20.36	26.93	9.35	8.35	81.45	16.59	3.78
1.350 1.400	16.97	43.90	15.91	11.27	76.42	12.97	4.00
1.400 1.450	14.40	58.30	22.20	13.97	71.17	10.25	4.15
1.450 1.500	7.20	65.50	27.70	15.48	64.38	4.64	2.56
1.500 1.550	5.45	70.95	31.33	16.70	57.72	3.14	2.30
1.550 1.600	4.05	75.00	34.95	17.69	52.56	2.13	1.92
1.600 1.650	4.38	79.38	38.62	18.84	47.35	2.08	2.31
1.650 1.700	4.24	83.62	42.26	20.03	42.04	1.78	2.46
1.700 1.750	4.05	87.68	45.69	21.22	36.59	1.48	2.57
1.750 1.800	3.52	91.20	48.94	22.29	31.22	1.10	2.42
1.800 1.850	2.62	93.82	52.10	23.12	27.28	.72	1.91
1.850 1.900	1.86	95.68	55.15	23.74	23.84	.44	1.42
1.900 1.950	1.28	96.97	58.07	24.20	20.30	.26	1.02
1.950 2.000	.87	97.84	60.84	24.52	17.41	.15	.72
2.000 2.050	.61	98.45	63.44	24.77	14.94	.09	.52
2.050 2.100	.49	98.94	65.95	24.97	12.64	.06	.43
2.100 2.150	.48	99.42	68.41	25.18	10.20	.05	.43
2.150 2.200	.58	100.00	70.84	25.44	8.93	.05	.53

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.431

AVERAGE S.G. SINKS = 1.595

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

F2 = 1.200

PREDICTED YIELD 63.49%

ASH 20.47%

YIELD ERROR 21.64%

ASH ERROR 5.41%

PREDICTED REJECTS 36.51%

ASH 34.10%

ORGANIC EFFICIENCY 74.58%

PD = 1.600

EP = .2354

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	1.06	1.06	5.26	5.26	83.88	.17
1.300	1.350	3.78	4.84	9.35	8.45	81.45	.70
1.350	1.400	4.00	8.84	15.91	11.83	76.42	.94
1.400	1.450	4.15	12.99	22.20	15.14	71.17	1.20
1.450	1.500	2.56	15.55	27.70	17.22	64.38	.91
1.500	1.550	2.30	17.86	31.33	19.04	57.72	.97
1.550	1.600	1.92	19.78	34.95	20.58	52.56	.91
1.600	1.650	2.31	22.09	38.62	22.47	47.35	1.22
1.650	1.700	2.46	24.55	42.26	24.45	42.04	1.42
1.700	1.750	2.57	27.12	45.69	26.46	36.59	1.63
1.750	1.800	2.42	29.54	48.94	28.31	31.22	1.67
1.800	1.850	1.91	31.45	52.10	29.75	27.28	1.39
1.850	1.900	1.42	32.86	55.15	30.85	23.84	1.08
1.900	1.950	1.02	33.89	58.07	31.67	20.30	.82
1.950	2.000	.72	34.61	60.84	32.28	17.41	.60
2.000	2.050	.52	35.13	63.44	32.74	14.94	.44
2.050	2.100	.43	35.55	65.95	33.13	12.64	.37
2.100	2.150	.43	35.98	68.41	33.56	10.60	.38
2.150	2.200	.53	36.51	70.84	34.10	8.93	.48

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.595

AVERAGE S.G. FLOATS = 1.503

AVERAGE S.G. SINKS = 1.698

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PREDICTED YIELD 19.21%

ASH 26.90%

YIELD ERROR 8.48%

ASH ERROR 6.78%

PREDICTED REJECTS 17.31%

ASH 42.08%

ORGANIC EFFICIENCY 69.37%

PD = 1.600

EP = .2354

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	86.57	5.69	.88
1.300	1.350	20.36	26.93	9.35	85.03	17.32	3.05
1.350	1.400	16.97	43.90	15.91	82.05	13.92	3.05
1.400	1.450	14.40	58.30	22.20	77.93	11.22	3.18
1.450	1.500	7.20	65.50	27.70	73.30	5.28	1.92
1.500	1.550	5.45	70.95	31.33	68.34	3.72	1.72
1.550	1.600	4.05	75.00	34.95	61.95	2.51	1.54
1.600	1.650	4.38	79.38	38.62	56.64	2.48	1.90
1.650	1.700	4.24	83.62	42.26	52.23	2.21	2.03
1.700	1.750	4.05	87.68	45.69	47.69	1.93	2.12
1.750	1.800	3.52	91.20	48.94	43.08	1.52	2.00
1.800	1.850	2.62	93.82	52.10	38.43	1.01	1.61
1.850	1.900	1.86	95.68	55.15	33.58	.63	1.24
1.900	1.950	1.29	96.97	58.07	29.41	.38	.91
1.950	2.000	.87	97.84	60.84	26.36	.23	.64
2.000	2.050	.61	98.45	63.44	23.31	.14	.47
2.050	2.100	.49	98.94	65.95	20.25	.10	.39
2.100	2.150	.48	99.42	68.41	17.72	.09	.40
2.150	2.200	.58	100.00	70.84	15.54	.09	.49

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.443

AVERAGE S.G. SINKS = 1.608

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

F2 = 1.200

PREDICTED YIELD 70.46%

ASH 21.51%

YIELD ERROR 18.19%

ASH ERROR 4.92%

PREDICTED REJECTS 29.54%

ASH 34.82%

ORGANIC EFFICIENCY 79.48%

PD = 1.700

EP = .2711

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	.88	.88	5.26	5.26	86.57	.76
1.300	1.350	3.05	3.93	9.35	8.43	85.03	2.59
1.350	1.400	3.05	6.98	15.91	11.70	82.05	2.50
1.400	1.450	3.18	10.15	22.20	14.99	77.93	2.48
1.450	1.500	1.92	12.08	27.70	17.01	73.30	1.41
1.500	1.550	1.72	13.80	31.33	18.80	68.34	1.18
1.550	1.600	1.54	15.34	34.95	20.42	61.95	.96
1.600	1.650	1.90	17.24	38.62	22.43	56.64	1.08
1.650	1.700	2.03	19.27	42.26	24.51	52.23	1.06
1.700	1.750	2.12	21.39	45.69	26.61	47.69	1.01
1.750	1.800	2.00	23.39	48.94	28.53	43.08	.86
1.800	1.850	1.61	25.01	52.10	30.05	38.43	.62
1.850	1.900	1.24	26.25	55.15	31.23	33.58	.42
1.900	1.950	.91	27.15	58.07	32.13	29.41	.27
1.950	2.000	.64	27.79	60.84	32.79	26.36	.17
2.000	2.050	.47	28.26	63.44	33.30	23.31	.11
2.050	2.100	.39	28.65	65.95	33.74	20.25	.08
2.100	2.150	.40	29.05	68.41	34.21	17.72	.07
2.150	2.200	.49	29.54	70.84	34.82	15.54	.08

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.606

AVERAGE S.G. FLOATS = 1.528

AVERAGE S.G. SINKS = 1.722

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PREDICTED YIELD 17.69%

ASH 28.84%

YIELD ERROR 6.05%

ASH ERROR 5.97%

PREDICTED REJECTS 11.85%

ASH 43.73%

ORGANIC EFFICIENCY 74.50%

PD = 1.700

EP = .2711

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 051

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	5.26	5.26	88.32	5.80	.77
1.300	1.350	20.36	9.35	8.35	87.12	17.74	2.62
1.350	1.400	16.97	15.91	11.27	85.07	14.43	2.53
1.400	1.450	14.40	22.20	13.97	82.49	11.88	2.52
1.450	1.500	7.20	27.70	15.48	79.05	5.69	1.51
1.500	1.550	5.45	31.33	16.70	74.91	4.08	1.37
1.550	1.600	4.05	34.95	17.69	70.92	2.87	1.18
1.600	1.650	4.38	38.62	18.84	65.78	2.88	1.50
1.650	1.700	4.24	42.26	20.03	60.23	2.55	1.69
1.700	1.750	4.05	45.69	21.22	55.84	2.26	1.79
1.750	1.800	3.52	48.94	22.29	51.97	1.83	1.69
1.800	1.850	2.62	52.10	23.12	47.96	1.26	1.36
1.850	1.900	1.86	55.15	23.74	43.89	.82	1.04
1.900	1.950	1.28	58.07	24.20	39.81	.51	.77
1.950	2.000	.87	60.84	24.52	35.54	.31	.56
2.000	2.050	.61	63.44	24.77	31.44	.19	.42
2.050	2.100	.49	65.95	24.97	28.23	.14	.35
2.100	2.150	.48	68.41	25.18	25.66	.12	.36
2.150	2.200	.58	70.84	25.44	22.90	.13	.45

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.453

AVERAGE S.G. SINKS = 1.610

PROCESS: 14" WATER ONLY CYCLONE

F1 = .900

PREDICTED YIELD 75.51%

YIELD ERROR 15.83%

F2 = 1.200

ASH 22.33%

ASH ERROR 4.51%

PREDICTED REJECTS 24.49%

ORGANIC EFFICIENCY 82.67%

PD = 1.800

ASH 35.04%

EP = .3067

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.235	1.300	.77	.77	5.26	88.32	.68	.09
1.300	1.350	2.62	3.39	9.35	87.12	2.29	.34
1.350	1.400	2.53	5.92	15.91	85.07	2.16	.38
1.400	1.450	2.52	8.45	22.20	82.49	2.08	.44
1.450	1.500	1.51	9.96	27.70	79.05	1.19	.32
1.500	1.550	1.37	11.32	31.33	74.91	1.02	.34
1.550	1.600	1.18	12.50	34.95	70.92	.84	.34
1.600	1.650	1.50	14.00	38.62	65.78	.99	.51
1.650	1.700	1.69	15.69	42.26	60.23	1.02	.67
1.700	1.750	1.79	17.48	45.69	55.84	1.00	.79
1.750	1.800	1.69	19.17	48.94	51.97	.88	.81
1.800	1.850	1.36	20.53	52.10	47.96	.65	.71
1.850	1.900	1.04	21.58	55.15	43.89	.46	.59
1.900	1.950	.77	22.35	58.07	39.81	.31	.47
1.950	2.000	.56	22.91	60.84	35.54	.20	.36
2.000	2.050	.42	23.33	63.44	31.44	.13	.29
2.050	2.100	.35	23.68	65.95	28.23	.10	.25
2.100	2.150	.36	24.04	68.41	25.66	.09	.27
2.150	2.200	.45	24.49	70.84	22.90	.10	.34

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.610

AVERAGE S.G. FLOATS = 1.545

AVERAGE S.G. SINKS = 1.737

PROCESS: 14" WATER ONLY CYCLONE

REJECTS REWASH

F1 = .900

F2 = 1.200

PREDICTED YIELD 16.18%

ASH 30.12%

YIELD ERROR 4.48%

ASH ERROR 5.30%

PREDICTED REJECTS 8.31%

ASH 44.62%

ORGANIC EFFICIENCY 78.32%

PD = 1.800

EP = .3067

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	5.26	96.74	6.35
1.300	1.350	20.36	26.93	9.35	8.35	93.79	19.10
1.350	1.400	16.97	43.90	15.91	11.27	86.84	14.74
1.400	1.450	14.40	58.30	22.20	13.97	77.44	11.15
1.450	1.500	7.20	65.50	27.70	15.48	66.58	4.79
1.500	1.550	5.45	70.95	31.33	16.70	55.41	3.02
1.550	1.600	4.05	75.00	34.95	17.69	44.83	1.82
1.600	1.650	4.38	79.38	38.62	18.84	35.44	1.55
1.650	1.700	4.24	83.62	42.26	20.03	27.48	1.17
1.700	1.750	4.05	87.68	45.69	21.22	20.98	.85
1.750	1.800	3.52	91.20	48.94	22.29	15.82	.56
1.800	1.850	2.62	93.82	52.10	23.12	11.81	.31
1.850	1.900	1.86	95.68	55.15	23.74	8.74	.16
1.900	1.950	1.28	96.97	58.07	24.20	6.44	.08
1.950	2.000	.87	97.84	60.84	24.52	4.72	.04
2.000	2.050	.61	98.45	63.44	24.77	3.44	.02
2.050	2.100	.49	98.94	65.95	24.97	2.51	.01
2.100	2.150	.48	99.42	68.41	25.18	1.82	.01
2.150	2.200	.58	100.00	70.84	25.44	1.33	.01

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.405

AVERAGE S.G. SINKS = 1.657

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 65.74%

F2 = 1.250

ASH 18.19%

YIELD ERROR 11.18%

ASH ERROR 2.66%

PREDICTED REJECTS 34.26%

ASH 39.36%

ORGANIC EFFICIENCY 85.46%

PD = 1.550

EP = .1272

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	5.26	99.01	.06
1.300	1.350	20.36	26.93	9.35	8.35	97.86	.44
1.350	1.400	16.97	43.90	15.91	11.27	94.60	.92
1.400	1.450	14.40	58.30	22.20	13.97	89.28	1.54
1.450	1.500	7.20	65.50	27.70	15.48	82.03	1.29
1.500	1.550	5.45	70.95	31.33	16.70	73.37	1.45
1.550	1.600	4.05	75.00	34.95	17.69	63.99	1.46
1.600	1.650	4.38	79.38	38.62	18.84	54.56	1.99
1.650	1.700	4.24	83.62	42.26	20.03	45.61	2.31
1.700	1.750	4.05	87.68	45.69	21.22	37.49	2.53
1.750	1.800	3.52	91.20	48.94	22.29	30.37	2.45
1.800	1.850	2.62	93.82	52.10	23.12	24.30	1.98
1.850	1.900	1.86	95.68	55.15	23.74	19.26	1.50
1.900	1.950	1.28	96.97	58.07	24.20	15.13	1.09
1.950	2.000	.87	97.84	60.84	24.52	11.81	.77
2.000	2.050	.61	98.45	63.44	24.77	9.16	.56
2.050	2.100	.49	98.94	65.95	24.97	7.08	.45
2.100	2.150	.48	99.42	68.41	25.18	5.45	.46
2.150	2.200	.58	100.00	70.84	25.44	4.18	.56

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.423

AVERAGE S.G. SINKS = 1.707

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185 PREDICTED YIELD 76.18%

YIELD ERROR 7.00%

F2 = 1.250 ASH 19.91%

ASH ERROR 1.91%

PREDICTED REJECTS 23.82% ORGANIC EFFICIENCY 91.58%

PD = 1.650 ASH 43.16%

EP = .1503

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	5.26	99.70	6.55
1.300	1.350	20.36	26.93	9.35	8.25	99.27	20.22
1.350	1.400	16.97	43.90	15.91	11.27	97.86	16.61
1.400	1.450	14.40	58.30	22.20	13.97	95.15	13.70
1.450	1.500	7.20	65.50	27.70	15.48	90.90	6.54
1.500	1.550	5.45	70.95	31.33	16.70	85.13	4.64
1.550	1.600	4.05	75.00	34.95	17.69	78.12	3.17
1.600	1.650	4.38	79.38	38.62	18.84	70.29	3.08
1.650	1.700	4.24	83.62	42.26	20.03	62.09	2.63
1.700	1.750	4.05	87.68	45.69	21.22	53.94	2.19
1.750	1.800	3.52	91.20	48.94	22.29	46.18	1.63
1.800	1.850	2.62	93.82	52.10	23.12	39.03	1.02
1.850	1.900	1.86	95.68	55.15	23.74	32.62	.61
1.900	1.950	1.28	96.97	58.07	24.20	27.00	.35
1.950	2.000	.87	97.84	60.84	24.52	22.17	.19
2.000	2.050	.61	98.45	63.44	24.77	18.07	.11
2.050	2.100	.49	98.94	65.95	24.97	14.64	.07
2.100	2.150	.48	99.42	68.41	25.18	11.81	.06
2.150	2.200	.58	100.00	70.84	25.44	9.48	.05

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.439

AVERAGE S.G. SINKS = 1.751

PROCESS: BAUM JIG

SIZE RANGE: 1/2' x 1/4'

IMPERFECTION = 0.185 PREDICTED YIELD 83.41%

F2 = 1.250 ASH 21.31%

YIELD ERROR 4.56%

ASH ERROR 1.34%

PREDICTED REJECTS 16.59% ORGANIC EFFICIENCY 94.81%

PD = 1.750 ASH 46.25%

EP = .1734

** SIMON - CARVES OF CANADA **

DATA SET NUMBER: 851

DATA SET NAME: Z 1/2x1/4 WET ATR

DATE: 13 FEB 78

WASHABILITY DATA

PREDICTIONS

S.G. FRACTION	% OF FEED	CUM. % OF FEED	% INST. ASH	CUM. % ASH	PARTITION NUMBER	% OF FEED FLOATS	% OF FEED SINKS
1.285	1.300	6.57	6.57	5.26	99.91	6.56	.01
1.300	1.350	20.36	26.93	9.35	99.75	20.31	.05
1.350	1.400	16.97	43.90	15.91	99.16	16.83	.14
1.400	1.450	14.40	58.30	22.20	97.86	14.09	.31
1.450	1.500	7.20	65.50	27.70	95.55	6.88	.32
1.500	1.550	5.45	70.95	31.33	92.04	5.01	.43
1.550	1.600	4.05	75.00	34.95	87.33	3.54	.51
1.600	1.650	4.38	79.38	38.62	81.55	3.57	.81
1.650	1.700	4.24	83.62	42.26	74.97	3.18	1.06
1.700	1.750	4.05	87.68	45.69	67.89	2.75	1.30
1.750	1.800	3.52	91.20	48.94	60.64	2.14	1.39
1.800	1.850	2.62	93.82	52.10	53.48	1.40	1.22
1.850	1.900	1.86	95.68	55.15	46.63	.87	.99
1.900	1.950	1.28	96.97	58.07	40.24	.52	.77
1.950	2.000	.87	97.84	60.84	34.43	.30	.57
2.000	2.050	.61	98.45	63.44	29.22	.18	.43
2.050	2.100	.49	98.94	65.95	24.63	.12	.37
2.100	2.150	.48	99.42	68.41	20.64	.10	.38
2.150	2.200	.58	100.00	70.84	17.21	.10	.48

HEAD ASH OF WASHABILITY DATA = 25.46

AVERAGE S.G. FEED = 1.491

AVERAGE S.G. FLOATS = 1.452

AVERAGE S.G. SINKS = 1.787

PROCESS: BAUM JIG

SIZE RANGE: 1/2 x 1/4

IMPERFECTION = 0.185

F2 = 1.250

PREDICTED YIELD 88.45%

YIELD ERROR 3.11%

ASH 22.40%

ASH ERROR .95%

PREDICTED REJECTS 11.55%

ORGANIC EFFICIENCY 96.61%

PD = 1.850

ASH 48.75%

EP = 1.1966

** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

DATE: 18 MAY 78

HAT CRACK Z

PARTIAL WASHING

Set 2 of 3

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
INCLUDE 50PC 28Mx0 RAW COAL	9.90	50.00	41.48
1/2x1/4 RAW COAL	4.05	100.00	25.46
1/4x28M RAW COAL	7.45	100.00	28.85
TOTAL	21.40	76.87	31.82

VARIABLE PROCESS 1: 7.45% ROM

VARIABLE PROCESS 2: 4.05% ROM

VARIABLE PROCESS 3: 67.10% ROM

W/O CYCL HT CK Z 1/4x28M

W/O CYCL HT CK Z 1/2x1/4

H/M BATH HT CK Z +1/2

PD	% YLD	% ASH
1.400	48.41	19.25
1.500	62.49	21.57
1.600	72.84	23.30
1.700	80.19	24.61
1.800	85.46	25.62

PD	% YLD	% ASH
1.400	61.47	18.79
1.500	74.24	20.58
1.600	82.70	21.96
1.700	88.15	22.99
1.800	91.69	23.70

PD	% YLD	% ASH
1.450	76.24	20.23
1.500	85.97	22.63
1.550	92.49	24.22
1.600	95.27	25.05
1.650	96.86	25.56

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.45

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	73.70	74.22	74.56	74.78	74.93
	% ASH	22.72	22.76	22.82	22.86	22.90
1.500	% YLD	74.75	75.27	75.61	75.83	75.98
	% ASH	22.82	22.86	22.91	22.96	22.99
1.600	% YLD	75.52	76.04	76.38	76.60	76.75
	% ASH	22.93	22.97	23.02	23.06	23.10
1.700	% YLD	76.07	76.59	76.93	77.15	77.29
	% ASH	23.03	23.07	23.12	23.17	23.20
1.800	% YLD	76.46	76.98	77.32	77.54	77.69
	% ASH	23.12	23.17	23.21	23.26	23.29

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.5

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1: W/O CYCL		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	80.23	80.75	81.09	81.31	81.46
	% ASH	24.24	24.27	24.32	24.35	24.38
1.500	% YLD	81.28	81.80	82.14	82.36	82.50
	% ASH	24.31	24.34	24.38	24.42	24.45
1.600	% YLD	82.05	82.57	82.91	83.13	83.28
	% ASH	24.40	24.43	24.47	24.51	24.54
1.700	% YLD	82.60	83.12	83.46	83.68	83.82
	% ASH	24.49	24.52	24.56	24.59	24.62
1.800	% YLD	82.99	83.51	83.85	84.07	84.22
	% ASH	24.56	24.59	24.63	24.67	24.70

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.55

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1: W/O CYCL		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	84.61	85.12	85.47	85.69	85.83
	% ASH	25.33	25.35	25.38	25.42	25.44
1.500	% YLD	85.66	86.17	86.52	86.74	86.88
	% ASH	25.38	25.40	25.43	25.47	25.49
1.600	% YLD	86.43	86.94	87.29	87.51	87.65
	% ASH	25.45	25.47	25.51	25.54	25.57
1.700	% YLD	86.97	87.49	87.83	88.06	88.20
	% ASH	25.53	25.55	25.58	25.62	25.64
1.800	% YLD	87.37	87.88	88.23	88.45	88.59
	% ASH	25.60	25.62	25.65	25.68	25.71

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.6

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	86.47	86.99	87.33	87.55	87.70
	% ASH	25.91	25.93	25.97	26.00	26.02
1.500	% YLD	87.52	88.04	88.38	88.60	88.75
	% ASH	25.96	25.98	26.01	26.04	26.07
1.600	% YLD	88.29	88.81	89.15	89.37	89.52
	% ASH	26.03	26.04	26.08	26.11	26.13
1.700	% YLD	88.84	89.36	89.70	89.92	90.06
	% ASH	26.10	26.12	26.15	26.18	26.20
1.800	% YLD	89.23	89.75	90.09	90.31	90.46
	% ASH	26.16	26.18	26.21	26.24	26.27

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.65

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
W/O CYCL						
1.400	% YLD	87.54	88.06	88.40	88.62	88.76
	% ASH	26.28	26.30	26.33	26.36	26.39
1.500	% YLD	88.59	89.11	89.45	89.67	89.81
	% ASH	26.32	26.34	26.37	26.40	26.42
1.600	% YLD	89.36	89.88	90.22	90.44	90.58
	% ASH	26.39	26.40	26.43	26.46	26.48
1.700	% YLD	89.91	90.42	90.77	90.99	91.13
	% ASH	26.45	26.47	26.50	26.53	26.55
1.800	% YLD	90.30	90.82	91.16	91.38	91.52
	% ASH	26.52	26.53	26.56	26.59	26.61

AN OVERALL CLEAN COAL ASH VALUE OF 20% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 23.00

MAXIMUM YIELD = 76.25

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.600
2	W/O CYCL HT CK Z 1/2x1/4	1.562
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 26.50

MAXIMUM YIELD = 90.78

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.700
2	W/O CYCL HT CK Z 1/2x1/4	1.605
3	H/M BATH HT CK Z +1/2	1.450

AN OVERALL CLEAN COAL ASH VALUE OF 25% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 24.50

MAXIMUM YIELD = 83.11

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.636
2	W/O CYCL HT CK Z 1/2x1/4	1.600
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 25.50

MAXIMUM YIELD = 87.21

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.600
2	W/O CYCL HT CK Z 1/2x1/4	1.577
3	H/M BATH HT CK Z +1/2	1.450

	YLD	ASH
	1	2
FIXED PROC. NO. 1	80.00	41.48
FIXED PROC. NO. 2	100.00	25.46
FIXED PROC. NO. 3	100.00	28.85

** SIMON - CARVES OF CANADA **

F. 1207

COMPOSITE OF PREDICTIONS

DATE: 18 MAY 78

HAT CREEK
PARTIAL WASHING

FIXED PROCESSES

Set 1 of 3

	NAME	% ROM	% YLD	% ASH
INCLUDE	20PC 28Mx0 RAW COAL	9.90	20.00	41.48
	1/2x1/4 RAW COAL	1.62	100.00	25.46
	1/4x28M RAW COAL	2.98	100.00	28.85
	TOTAL	14.50	45.38	31.82

VARIABLE PROCESS 1: 11.92% ROM

VARIABLE PROCESS 2: 6.48% ROM

VARIABLE PROCESS 3: 67.10% ROM

W/O CYCL HT CK Z 1/4x28M

W/O CYCL HT CK Z 1/2x1/4

H/M BATH HT CK Z +1/2

PD	% YLD	% ASH
1.400	48.41	19.25
1.500	62.49	21.57
1.600	72.84	23.30
1.700	80.19	24.61
1.800	85.46	25.62

PD	% YLD	% ASH
1.400	61.47	18.79
1.500	74.24	20.58
1.600	82.70	21.96
1.700	88.15	22.99
1.800	91.69	23.70

PD	% YLD	% ASH
1.450	76.24	20.23
1.500	85.97	22.63
1.550	92.49	24.22
1.600	95.27	25.05
1.650	96.86	25.56

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.45

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

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

1.400 1.500 1.600 1.700 1.800

1.400 % YLD | 67.49 68.32 68.87 69.22 69.45
% ASH | 21.19 21.29 21.39 21.48 21.54

1.500 % YLD | 69.17 70.00 70.54 70.90 71.13
% ASH | 21.39 21.49 21.58 21.67 21.73

1.600 % YLD | 70.40 71.23 71.78 72.13 72.36
% ASH | 21.61 21.70 21.79 21.87 21.94

1.700 % YLD | 71.28 72.11 72.65 73.01 73.24
% ASH | 21.81 21.89 21.98 22.06 22.12

1.800 % YLD | 71.91 72.73 73.28 73.64 73.87
% ASH | 21.97 22.06 22.15 22.23 22.28

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.5

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	74.02	74.85	75.40	75.75	75.98
	% ASH	22.98	23.05	23.13	23.20	23.25
1.500	% YLD	75.70	76.53	77.07	77.43	77.66
	% ASH	23.12	23.19	23.27	23.34	23.39
1.600	% YLD	76.93	77.76	78.31	78.66	78.89
	% ASH	23.29	23.36	23.43	23.50	23.55
1.700	% YLD	77.81	78.64	79.18	79.54	79.77
	% ASH	23.45	23.51	23.59	23.65	23.70
1.800	% YLD	78.44	79.26	79.81	80.16	80.39
	% ASH	23.59	23.65	23.72	23.79	23.84

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.55

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

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

1.400 1.500 1.600 1.700 1.800

1.400	% YLD	78.39	79.22	79.77	80.12	80.35
	% ASH	24.22	24.27	24.34	24.40	24.45
1.500	% YLD	80.07	80.90	81.45	81.80	82.03
	% ASH	24.33	24.38	24.44	24.50	24.55
1.600	% YLD	81.31	82.13	82.68	83.04	83.26
	% ASH	24.47	24.52	24.58	24.64	24.69
1.700	% YLD	82.18	83.01	83.56	83.91	84.14
	% ASH	24.61	24.66	24.72	24.78	24.82
1.800	% YLD	82.81	83.64	84.19	84.54	84.77
	% ASH	24.73	24.78	24.84	24.90	24.94

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.6

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	80.26	81.09	81.64	81.99	82.22
	% ASH	24.88	24.92	24.98	25.04	25.09
1.500	% YLD	81.94	82.77	83.31	83.67	83.90
	% ASH	24.97	25.01	25.07	25.13	25.18
1.600	% YLD	83.17	84.00	84.55	84.90	85.13
	% ASH	25.10	25.14	25.20	25.26	25.30
1.700	% YLD	84.05	84.88	85.42	85.78	86.01
	% ASH	25.23	25.27	25.33	25.38	25.43
1.800	% YLD	84.68	85.50	86.05	86.41	86.63
	% ASH	25.35	25.39	25.44	25.50	25.54

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.65

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1: W/O CYCL		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	81.33	82.15	82.70	83.06	83.29
	% ASH	25.29	25.33	25.38	25.44	25.48
1.500	% YLD	83.01	83.83	84.38	84.73	84.96
	% ASH	25.37	25.41	25.47	25.52	25.56
1.600	% YLD	84.24	85.07	85.61	85.97	86.20
	% ASH	25.50	25.53	25.59	25.64	25.68
1.700	% YLD	85.11	85.94	86.49	86.84	87.07
	% ASH	25.62	25.65	25.71	25.76	25.80
1.800	% YLD	85.74	86.57	87.12	87.47	87.70
	% ASH	25.73	25.77	25.82	25.87	25.91

AN OVERALL CLEAN COAL ASH VALUE OF 20% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 21.50

MAXIMUM YIELD = 70.08

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.507
2	W/O CYCL HT CK Z 1/2x1/4	1.500
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 23.00

MAXIMUM YIELD = 74.30

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.400
2	W/O CYCL HT CK Z 1/2x1/4	1.434
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 25.50

MAXIMUM YIELD = 86.43

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.800
2	W/O CYCL HT CK Z 1/2x1/4	1.709
3	H/M BATH HT CK Z +1/2	1.450

** SIMON - CARVES OF CANADA **

F1304

COMPOSITE OF PREDICTIONS

DATE: 18 MAY 78

HAT CRELIE Z

PARTIAL WASHING

FIXED PROCESSES

Set 3 of 3

NAME	% ROM	% YLD	% ASH
INCLUDE 80PC 28Mx0 RAWCOAL	9.90	80.00	41.48
1/2x1/4 RAW COAL	6.48	100.00	25.46
1/4x28M RAW COAL	11.92	100.00	28.85
TOTAL	28.30	93.00	31.82

VARIABLE PROCESS 1: 2.98% ROM

VARIABLE PROCESS 2: 1.62% ROM

VARIABLE PROCESS 3: 67.10% ROM

W/O CYCL HT CK Z 1/4x28M

W/O CYCL HT CK Z 1/2x1/4

W/O BATH HT CK Z +1/2

PD	% YLD	% ASH
1.400	48.41	19.25
1.500	62.49	21.57
1.600	72.84	23.30
1.700	80.19	24.61
1.800	85.46	25.62

PD	% YLD	% ASH
1.400	61.47	18.79
1.500	74.24	20.58
1.600	82.70	21.96
1.700	88.15	22.99
1.800	91.69	23.70

PD	% YLD	% ASH
1.450	76.24	20.23
1.500	85.97	22.63
1.550	92.49	24.22
1.600	95.27	25.05
1.650	96.86	25.56

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.45

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	79.92	80.12	80.26	80.35	80.41
	% ASH	24.01	24.02	24.04	24.06	24.07
1.500	% YLD	80.34	80.54	80.68	80.77	80.82
	% ASH	24.04	24.05	24.07	24.09	24.10
1.600	% YLD	80.64	80.85	80.99	81.08	81.13
	% ASH	24.08	24.09	24.11	24.12	24.13
1.700	% YLD	80.86	81.07	81.21	81.29	81.35
	% ASH	24.11	24.13	24.14	24.16	24.17
1.800	% YLD	81.02	81.23	81.36	81.45	81.51
	% ASH	24.15	24.16	24.18	24.19	24.20

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.5

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	86.44	86.65	86.79	86.88	86.93
	% ASH	25.33	25.34	25.35	25.36	25.37
1.500	% YLD	86.86	87.07	87.21	87.30	87.35
	% ASH	25.35	25.36	25.37	25.38	25.39
1.600	% YLD	87.17	87.38	87.52	87.60	87.66
	% ASH	25.38	25.39	25.40	25.41	25.42
1.700	% YLD	87.39	87.60	87.74	87.82	87.88
	% ASH	25.41	25.42	25.43	25.44	25.45
1.800	% YLD	87.55	87.76	87.89	87.98	88.04
	% ASH	25.43	25.44	25.46	25.47	25.48

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M.

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.55

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

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

1.400 1.500 1.600 1.700 1.800

1.400	% YLD	90.82	91.03	91.16	91.25	91.31
	% ASH	26.28	26.29	26.30	26.31	26.32
1.500	% YLD	91.24	91.45	91.58	91.67	91.73
	% ASH	26.30	26.30	26.32	26.33	26.34
1.600	% YLD	91.55	91.75	91.89	91.98	92.04
	% ASH	26.32	26.33	26.34	26.35	26.36
1.700	% YLD	91.77	91.97	92.11	92.20	92.26
	% ASH	26.35	26.36	26.37	26.38	26.39
1.800	% YLD	91.92	92.13	92.27	92.36	92.41
	% ASH	26.37	26.38	26.39	26.40	26.41

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.6

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	92.68	92.89	93.03	93.12	93.17
	% ASH	26.81	26.82	26.83	26.84	26.85
1.500	% YLD	93.10	93.31	93.45	93.54	93.59
	% ASH	26.83	26.83	26.84	26.85	26.86
1.600	% YLD	93.41	93.62	93.76	93.84	93.90
	% ASH	26.85	26.85	26.86	26.88	26.88
1.700	% YLD	93.63	93.84	93.98	94.06	94.12
	% ASH	26.87	26.88	26.89	26.90	26.91
1.800	% YLD	93.79	94.00	94.13	94.22	94.28
	% ASH	26.90	26.90	26.91	26.92	26.93

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.65

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	93.75	93.96	94.10	94.18	94.24
	% ASH	27.15	27.15	27.16	27.17	27.18
1.500	% YLD	94.17	94.38	94.52	94.60	94.66
	% ASH	27.16	27.16	27.17	27.18	27.19
1.600	% YLD	94.48	94.69	94.82	94.91	94.97
	% ASH	27.18	27.18	27.19	27.20	27.21
1.700	% YLD	94.70	94.91	95.04	95.13	95.19
	% ASH	27.20	27.21	27.22	27.23	27.24
1.800	% YLD	94.86	95.06	95.20	95.29	95.35
	% ASH	27.23	27.23	27.24	27.25	27.26

AN OVERALL CLEAN COAL ASH VALUE OF 21% IS NOT POSSIBLE.

AN OVERALL CLEAN COAL ASH VALUE OF 24.5% IS NOT POSSIBLE.

AN OVERALL CLEAN COAL ASH VALUE OF 24.01% IS NOT POSSIBLE.

AN OVERALL CLEAN COAL ASH VALUE OF 25% IS NOT POSSIBLE.

AN OVERALL CLEAN COAL ASH VALUE OF 27% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 26.86

MAXIMUM YIELD = 93.70

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.600
2	W/O CYCL HT CK Z 1/2x1/4	1.555
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 24.10

MAXIMUM YIELD = 80.94

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.600
2	W/O CYCL HT CK Z 1/2x1/4	1.563

OVERALL CLEAN COAL ASH CONTENT = 27.20

MAXIMUM YIELD = 94.88

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.626
2	W/O CYCL HT CK Z 1/2x174	1.600
3	H/M BATH HT CK Z +1/2	1.450

HAT CREEK

Z 1000 1

** SIMON - CARVES OF CANADA **

COMPOSITE OF PREDICTIONS

F1304 TOTAL WASHING

DATE: 16 MAY 78

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD 100x0 RAW COAL	7.00	.00	42.10
TOTAL	7.00	.00	1.00

VARIABLE PROCESS 1: 67.10% ROM

VARIABLE PROCESS 2: 20.10% ROM

VARIABLE PROCESS 3: 5.80% ROM

H/M BATH HT CR Z CMP 4 x 1/2

H/M CYCL HAT CRK Z 1/4x28M

W/O CYCL HAT CRK Z 28x100M

PD	% YLD	% ASH
1.400	62.80	18.04
1.500	85.97	22.63
1.550	92.49	24.22
1.600	95.27	25.05
1.650	96.86	25.56

PD	% YLD	% ASH
1.400	20.91	8.12
1.500	38.08	12.32
1.600	56.04	16.45
1.700	71.18	19.45
1.800	81.16	21.68

PD	% YLD	% ASH
1.400	41.44	17.29
1.500	53.48	19.90
1.600	63.26	21.97
1.700	71.05	23.52
1.800	77.19	24.73

VARIABLE PROCESS 1: H/M BATH HT CR Z CMP 4 x 1/2

VARIABLE PROCESS 2: H/M CYCL HAT CRK Z 1/4x28M

VARIABLE PROCESS 3: W/O CYCL HAT CRK Z 28x100M
THIS TABLE FOR PD = 1.4

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
1.400	% YLD	48.75	52.20	55.81	58.85	60.86
	% ASH	17.15	17.17	17.69	18.35	18.99
1.500	% YLD	64.29	67.74	71.35	74.40	76.40
	% ASH	21.48	21.28	21.47	21.85	22.26
1.550	% YLD	68.67	72.12	75.73	78.77	80.78
	% ASH	22.99	22.73	22.84	23.14	23.50
1.600	% YLD	70.53	73.98	77.59	80.64	82.64
	% ASH	23.78	23.48	23.56	23.83	24.16
1.650	% YLD	71.60	75.05	78.66	81.70	83.71
	% ASH	24.26	23.94	24.00	24.25	24.57

VARIABLE PROCESS 1: H/M BATH HT CR Z CMP 4 x 1/2

VARIABLE PROCESS 2: H/M CYCL HAT CRK Z 1/4x28M

VARIABLE PROCESS 3: W/D CYCL HAT CRK Z 28x100M
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

1.400	% YLD	49.44	52.89	56.50	59.55	61.55
	% ASH	17.31	17.32	17.83	18.48	19.10
1.500	% YLD	64.99	68.44	72.05	75.09	77.10
	% ASH	21.56	21.35	21.55	21.91	22.32
1.550	% YLD	69.37	72.82	76.43	79.47	81.48
	% ASH	23.05	22.79	22.90	23.19	23.55
1.600	% YLD	71.23	74.68	78.29	81.34	83.34
	% ASH	23.83	23.53	23.61	23.87	24.20
1.650	% YLD	72.30	75.75	79.36	82.40	84.41
	% ASH	24.30	23.99	24.05	24.29	24.60

VARIABLE PROCESS 1: H/M BATH HT CR Z CMP 4 x 1/2

VARIABLE PROCESS 2: H/M CYCL HAT CRK Z 1/4x28M

VARIABLE PROCESS 3: W/O CYCL HAT CRK Z 28x100M
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
1.400	% YLD	50.01	53.46	57.07	60.12	62.12
	% ASH	17.49	17.49	17.98	18.62	19.23
1.500	% YLD	65.56	69.01	72.62	75.66	77.67
	% ASH	21.66	21.45	21.64	22.00	22.40
1.550	% YLD	69.93	73.38	76.99	80.04	82.04
	% ASH	23.13	22.87	22.98	23.26	23.61
1.600	% YLD	71.80	75.25	78.86	81.90	83.91
	% ASH	23.90	23.60	23.68	23.93	24.26
1.650	% YLD	72.87	76.32	79.93	82.97	84.98
	% ASH	24.37	24.06	24.11	24.35	24.66

VARIABLE PROCESS 1: H/M BATH HT CR Z CMP 4 x 1/2

VARIABLE PROCESS 2: H/M CYCL HAT CRK Z 1/4x28M

VARIABLE PROCESS 3: W/O CYCL HAT CRK Z 28x100M
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

1.400	% YLD	50.46	53.91	57.52	60.57	62.57
	% ASH	17.66	17.65	18.12	18.75	19.35

1.500	% YLD	66.01	69.46	73.07	76.11	78.12
	% ASH	21.76	21.55	21.73	22.08	22.48

1.550	% YLD	70.38	73.84	77.45	80.49	82.49
	% ASH	23.22	22.95	23.05	23.34	23.68

1.600	% YLD	72.25	75.70	79.31	82.35	84.36
	% ASH	23.98	23.68	23.75	24.00	24.32

1.650	% YLD	73.32	76.77	80.38	83.42	85.43
	% ASH	24.45	24.13	24.18	24.41	24.72

VARIABLE PROCESS 1: H/M BATH HT CR Z CMP 4 x 1/2

VARIABLE PROCESS 2: H/M CYCL HAT CRK Z 1/4x28M

VARIABLE PROCESS 3: W/O CYCL HAT CRK Z 28x100M
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
1.400	% YLD	50.82	54.27	57.88	60.92	62.93
	% ASH	17.81	17.79	18.25	18.86	19.46
1.500	% YLD	66.37	69.82	73.43	76.47	78.48
	% ASH	21.85	21.63	21.81	22.16	22.55
1.550	% YLD	70.74	74.19	77.80	80.84	82.85
	% ASH	23.30	23.02	23.12	23.40	23.75
1.600	% YLD	72.61	76.06	79.67	82.71	84.72
	% ASH	24.05	23.75	23.82	24.06	24.38
1.650	% YLD	73.67	77.12	80.73	83.78	85.78
	% ASH	24.51	24.20	24.24	24.47	24.78

OVERALL CLEAN COAL ASH CONTENT = 20.00

MAXIMUM YIELD = 66.48

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CR Z CMP 4 x 1/2	1.441
2	H/M CYCL HAT CRK Z 1/4x28M	1.700
3	W/O CYCL HAT CRK Z 28x100M	1.600

OVERALL CLEAN COAL ASH CONTENT = 24.00

MAXIMUM YIELD = 83.59

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CR Z CMP 4 x 1/2	1.570
2	H/M CYCL HAT CRK Z 1/4x28M	1.800
3	W/O CYCL HAT CRK Z 28x100M	1.800

OVERALL CLEAN COAL ASH CONTENT = 17.50

MAXIMUM YIELD = 54.51

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CR Z CMP 4 x 1/2	1.400
2	H/M CYCL HAT CRK Z 1/4x28M	1.564
3	W/O CYCL HAT CRK Z 28x100M	1.400

OVERALL CLEAN COAL ASH CONTENT = 18.50

MAXIMUM YIELD = 59.66

VAR.
PROC.

1	H/M BATH HT CR Z CMP 4 x 1/2	1.401
2	H/M CYCL HAT CRK Z 1/4x28M	1.700
3	W/O CYCL HAT CRK Z 28x100M	1.500

OVERALL CLEAN COAL ASH CONTENT = 22.00

MAXIMUM YIELD = 75.74

VAR. PROC. NO.	PROCESS	P.D.
1	H/M BATH HT CR Z CMP 4 x 1/2	1.485
2	H/M CYCL HAT CRK Z 1/4x28M	1.800
3	W/O CYCL HAT CRK Z 28x100M	1.700

** SIMON - CARVES OF CANADA **

HAT CREEK

Z SCHEIDT (2)

COMPOSITE OF PREDICTIONS

DATE: 18 MAY 78

F1304 TOTAL W/HT

FIXED PROCESSES

NAME	% ROM	% YLD	% ASH
DISCARD HT CK Z 28Mx0	9.90	.00	41.48
TOTAL	9.90	.00	1.00

VARIABLE PROCESS 1: 14.90% ROM

W/O CYCL HT CK Z 1/4x28M

PD	% YLD	% ASH
1.400	48.41	19.25
1.500	62.49	21.57
1.600	72.84	23.30
1.700	80.19	24.61
1.800	85.46	25.62

VARIABLE PROCESS 2: 8.10% ROM

W/O CYCL HT CK Z 1/2x1/4

PD	% YLD	% ASH
1.400	61.47	18.79
1.500	74.24	20.58
1.600	82.70	21.96
1.700	88.15	22.99
1.800	91.69	23.70

VARIABLE PROCESS 3: 67.10% ROM

H/M BATH HT CK Z +1/2

PD	% YLD	% ASH
1.450	76.24	20.23
1.500	85.97	22.63
1.550	92.49	24.22
1.600	95.27	25.05
1.650	96.86	25.56

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.45

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1:		1.400	1.500	1.600	1.700	1.800
W/O CYCL						
1.400	% YLD	63.35	64.38	65.07	65.51	65.80
	% ASH	20.01	20.15	20.30	20.42	20.51
1.500	% YLD	65.45	66.48	67.17	67.61	67.89
	% ASH	20.31	20.45	20.59	20.71	20.79
1.600	% YLD	66.99	68.02	68.71	69.15	69.44
	% ASH	20.62	20.75	20.88	21.00	21.08
1.700	% YLD	68.08	69.12	69.80	70.25	70.53
	% ASH	20.89	21.02	21.15	21.26	21.34
1.800	% YLD	68.87	69.90	70.59	71.03	71.32
	% ASH	21.12	21.24	21.37	21.47	21.55

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.5

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

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

		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	69.88	70.91	71.60	72.04	72.33
	% ASH	22.01	22.11	22.23	22.33	22.40
1.500	% YLD	71.98	73.01	73.70	74.14	74.42
	% ASH	22.23	22.33	22.44	22.53	22.60
1.600	% YLD	73.52	74.55	75.24	75.68	75.97
	% ASH	22.47	22.56	22.67	22.76	22.83
1.700	% YLD	74.61	75.65	76.33	76.77	77.06
	% ASH	22.69	22.78	22.88	22.97	23.04
1.800	% YLD	75.40	76.43	77.12	77.56	77.85
	% ASH	22.88	22.97	23.07	23.15	23.22

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x20M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.55

PD'S FOR VAR. PR. 1: W/O CYCL		PD'S FOR VAR. PR. 2: W/O CYCL				
		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	74.25	75.29	75.97	76.41	76.70
	% ASH	23.37	23.45	23.55	23.64	23.70
1.500	% YLD	76.35	77.39	78.07	78.51	78.80
	% ASH	23.54	23.62	23.71	23.79	23.86
1.600	% YLD	77.89	78.93	79.61	80.05	80.34
	% ASH	23.74	23.82	23.90	23.99	24.05
1.700	% YLD	78.99	80.02	80.71	81.15	81.44
	% ASH	23.94	24.00	24.09	24.17	24.23
1.800	% YLD	79.77	80.81	81.49	81.93	82.22
	% ASH	24.10	24.17	24.25	24.33	24.39

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.6

PD'S FOR		PD'S FOR VAR. PR. 2: W/O CYCL				
VAR. PR. 1: W/O CYCL		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	76.12	77.15	77.84	78.28	78.57
	% ASH	24.09	24.16	24.25	24.33	24.39
1.500	% YLD	78.22	79.25	79.94	80.38	80.66
	% ASH	24.24	24.30	24.39	24.46	24.52
1.600	% YLD	79.76	80.79	81.48	81.92	82.21
	% ASH	24.42	24.48	24.56	24.64	24.70
1.700	% YLD	80.85	81.89	82.57	83.01	83.30
	% ASH	24.60	24.66	24.74	24.81	24.87
1.800	% YLD	81.64	82.67	83.36	83.80	84.09
	% ASH	24.76	24.81	24.89	24.96	25.02

VARIABLE PROCESS 1: W/O CYCL HT CK Z 1/4x28M

VARIABLE PROCESS 2: W/O CYCL HT CK Z 1/2x1/4

VARIABLE PROCESS 3: H/M BATH HT CK Z +1/2
THIS TABLE FOR PD = 1.65

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

PD'S FOR VAR. PR. 1: W/O CYCL		1.400	1.500	1.600	1.700	1.800
1.400	% YLD	77.19	78.22	78.90	79.35	79.63
	% ASH	24.53	24.60	24.68	24.76	24.81
1.500	% YLD	79.28	80.32	81.00	81.44	81.73
	% ASH	24.67	24.72	24.80	24.88	24.94
1.600	% YLD	80.83	81.86	82.54	82.99	83.27
	% ASH	24.84	24.89	24.97	25.04	25.10
1.700	% YLD	81.92	82.95	83.64	84.08	84.37
	% ASH	25.01	25.06	25.14	25.21	25.26
1.800	% YLD	82.71	83.74	84.43	84.87	85.15
	% ASH	25.16	25.21	25.28	25.35	25.41

AN OVERALL CLEAN COAL ASH VALUE OF 18.5% IS NOT POSSIBLE.

AN OVERALL CLEAN COAL ASH VALUE OF 20% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 20.50

MAXIMUM YIELD = 66.74

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.517
2	W/O CYCL HT CK Z 1/2x1/4	1.500
3	H/M BATH HT CK Z +1/2	1.450

AN OVERALL CLEAN COAL ASH VALUE OF 22% IS NOT POSSIBLE.

OVERALL CLEAN COAL ASH CONTENT = 21.50

MAXIMUM YIELD = 71.12

VAR. PROC. NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.800
2	W/O CYCL HT CK Z 1/2x1/4	1.733
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 22.50

MAXIMUM YIELD = 74.15

VAR.
PROC.

1	W/O CYCL HT CK Z 1/4x28M	1.574
2	W/O CYCL HT CK Z 1/2x1/4	1.500
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 23.50

MAXIMUM YIELD = 75.88

VAR.		
PROC.		
NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.428
2	W/O CYCL HT CK Z 1/2x1/4	1.500
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 25.00

MAXIMUM YIELD = 84.80

VAR.		
PROC.		
NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.800
2	W/O CYCL HT CK Z 1/2x1/4	1.769
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 24.00

MAXIMUM YIELD = 80.18

VAR.		
PROC.		
NO.	PROCESS	P.D.
1	W/O CYCL HT CK Z 1/4x28M	1.651
2	W/O CYCL HT CK Z 1/2x1/4	1.600
3	H/M BATH HT CK Z +1/2	1.450

OVERALL CLEAN COAL ASH CONTENT = 20.01

MAXIMUM YIELD = 63.38

PROC.
NO.

PROCESS

P.D.

1	W/O CYCL HT CK Z 1/4x28M	1.400
2	W/O CYCL HT CK Z 1/2x1/4	1.403
3	H/M BATH HT CK Z +1/2	1.450

	YLD	ASH
	1	2

FIXED PROC. NO. 1	20.00	41.48
FIXED PROC. NO. 2	100.00	25.46
FIXED PROC. NO. 3	100.00	28.85