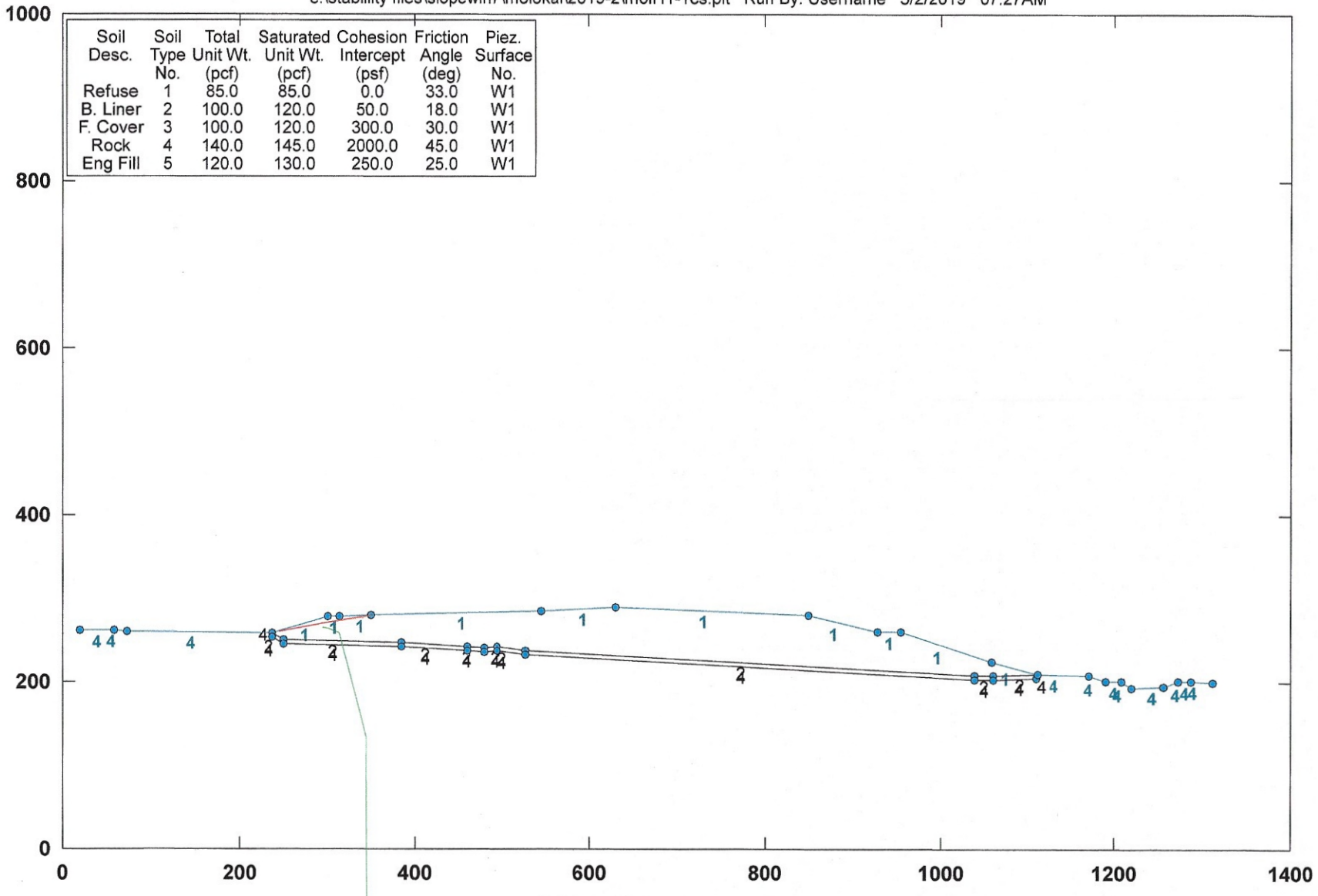
MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-1cs.plt Run By: Username 5/2/2019 07:27AM

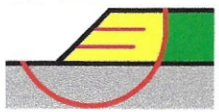
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=3.53

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

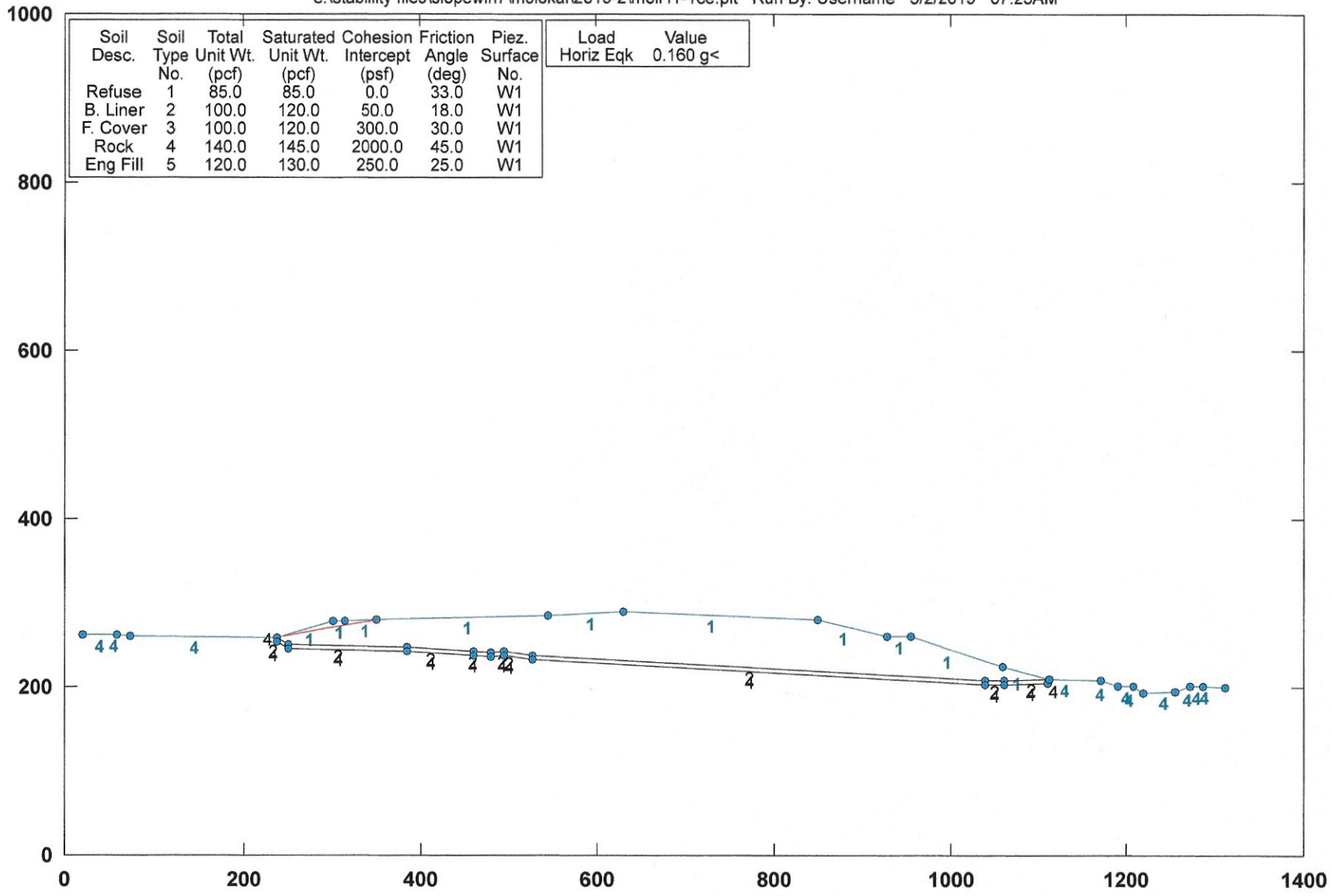


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-1ce.plt Run By: Username 5/2/2019 07:25AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

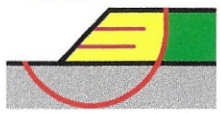
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.83

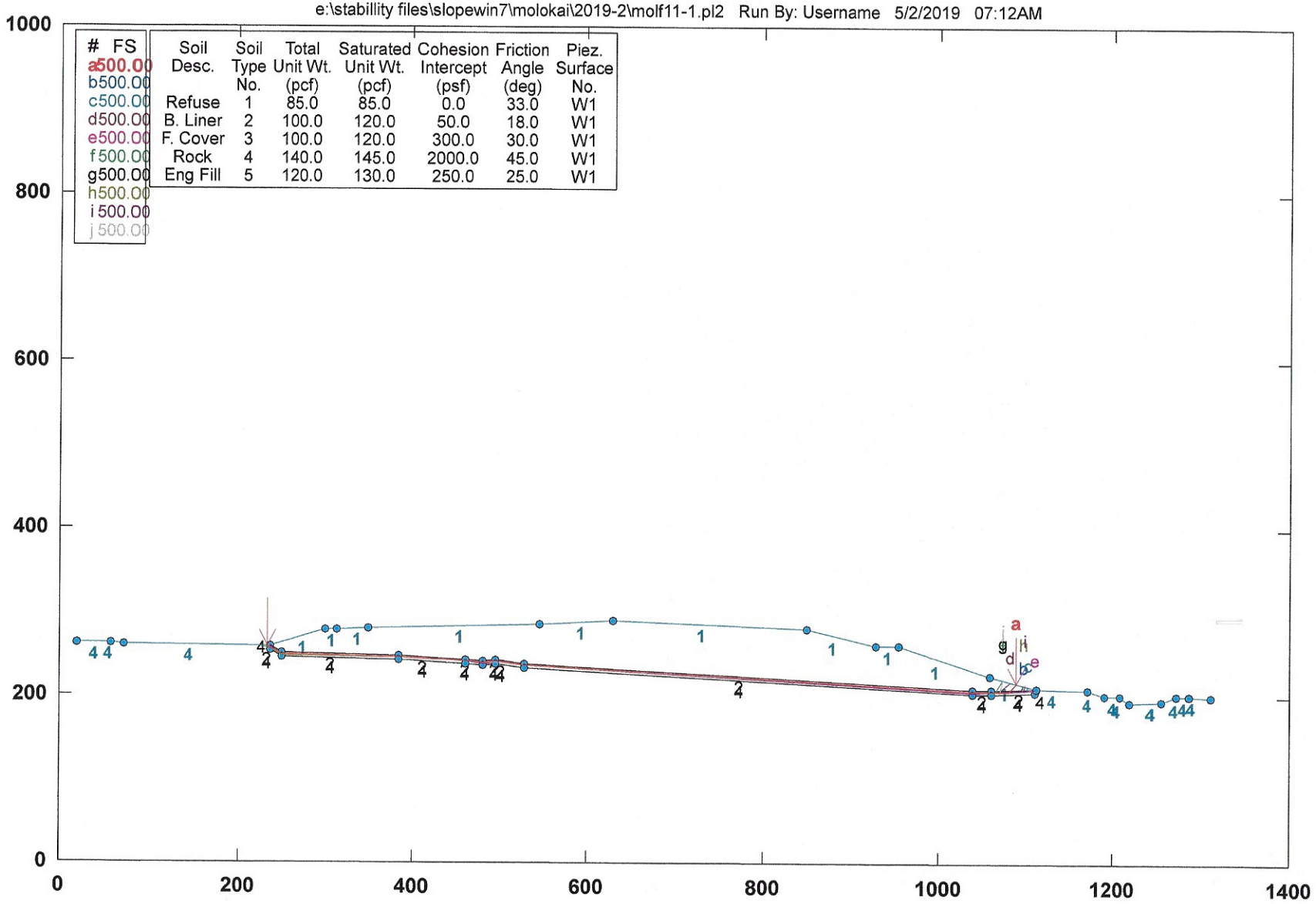
Factor Of Safety Is Calculated By The Modified Bishop Method

STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-1.pl2 Run By: Username 5/2/2019 07:12AM

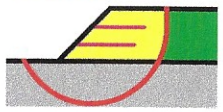


# FS	Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
a500.00							
b500.00							
c500.00	Refuse	1	85.0	85.0	0.0	33.0	W1
d500.00	B. Liner	2	100.0	120.0	50.0	18.0	W1
e500.00	F. Cover	3	100.0	120.0	300.0	30.0	W1
f500.00	Rock	4	140.0	145.0	2000.0	45.0	W1
g500.00	Eng Fill	5	120.0	130.0	250.0	25.0	W1
h500.00							
i500.00							
j500.00							

PCSTABL5M/si FSmin=500.00

Safety Factors Are Calculated By The Modified Janbu Method

STED

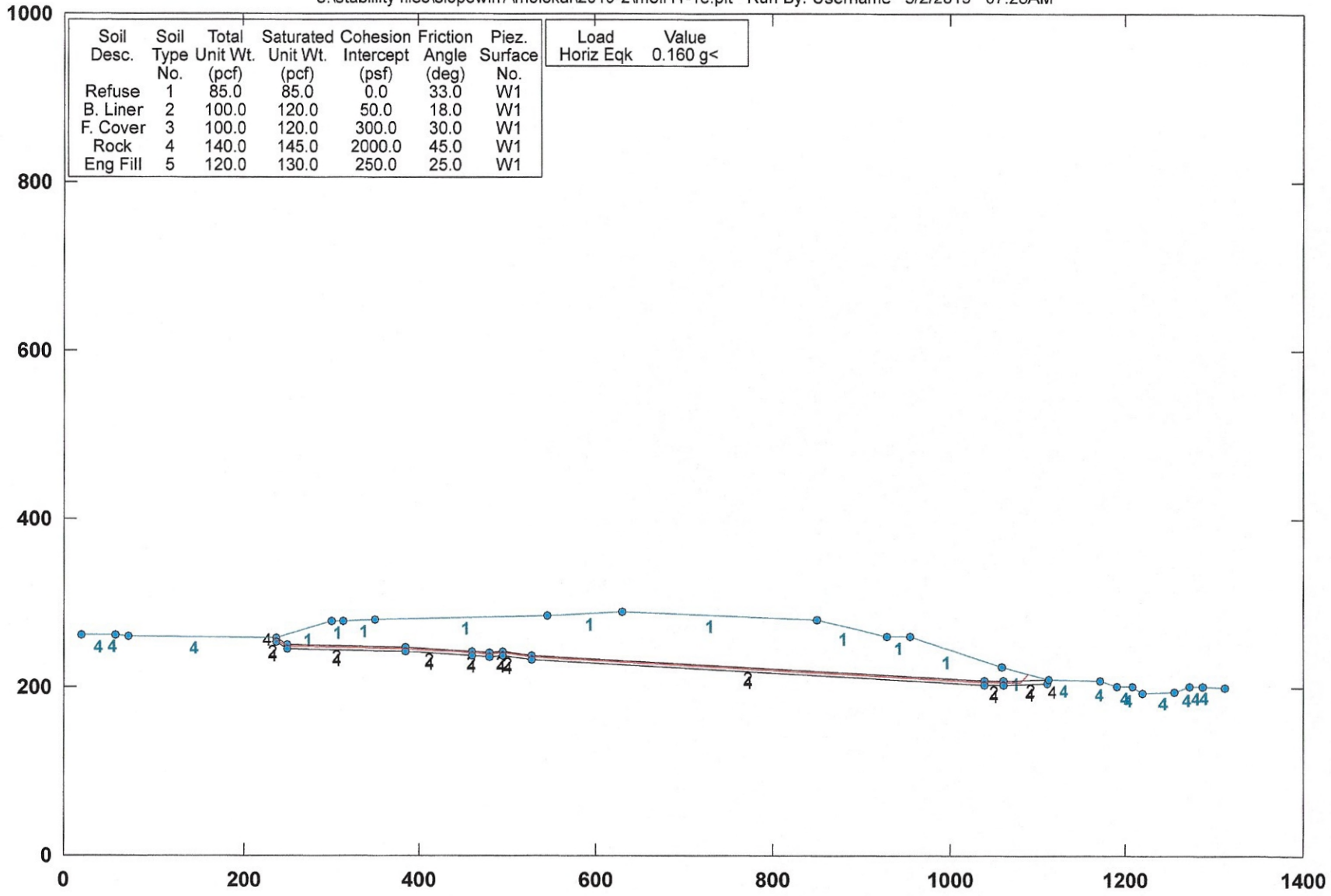


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-1e.plt Run By: Username 5/2/2019 07:28AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

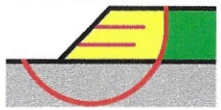
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=3.29

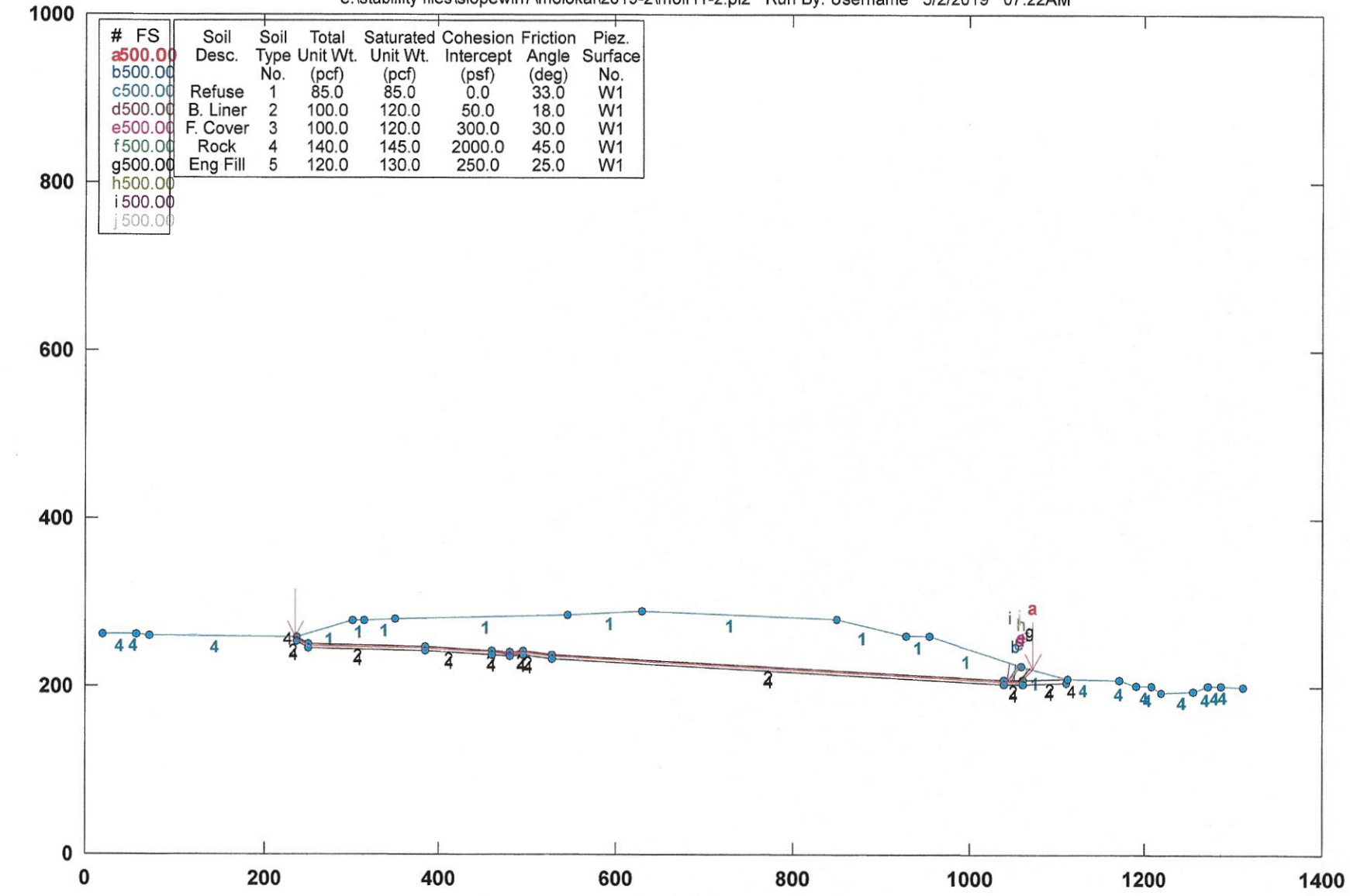
Factors of Safety Calculated by Janbu Method

STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-2.pl2 Run By: Username 5/2/2019 07:22AM



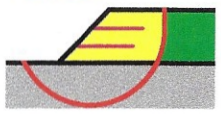
#	FS
a	500.00
b	500.00
c	500.00
d	500.00
e	500.00
f	500.00
g	500.00
h	500.00
i	500.00
j	500.00

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

PCSTABL5M/si FSmin=500.00

Safety Factors Are Calculated By The Modified Janbu Method

STED

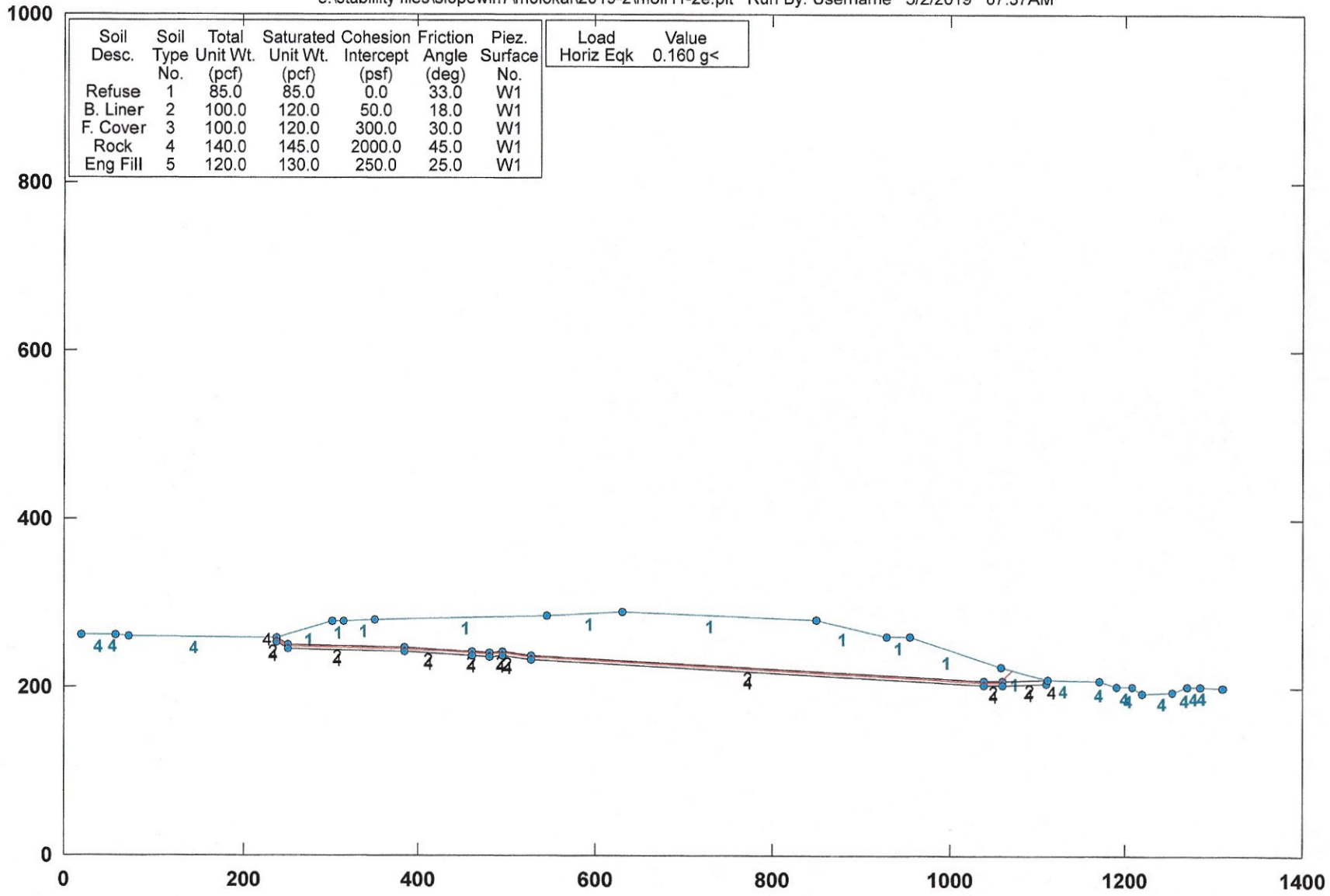


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-2e.plt Run By: Username 5/2/2019 07:37AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

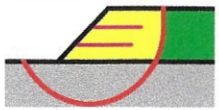
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=3.25

Factors of Safety Calculated by Janbu Method

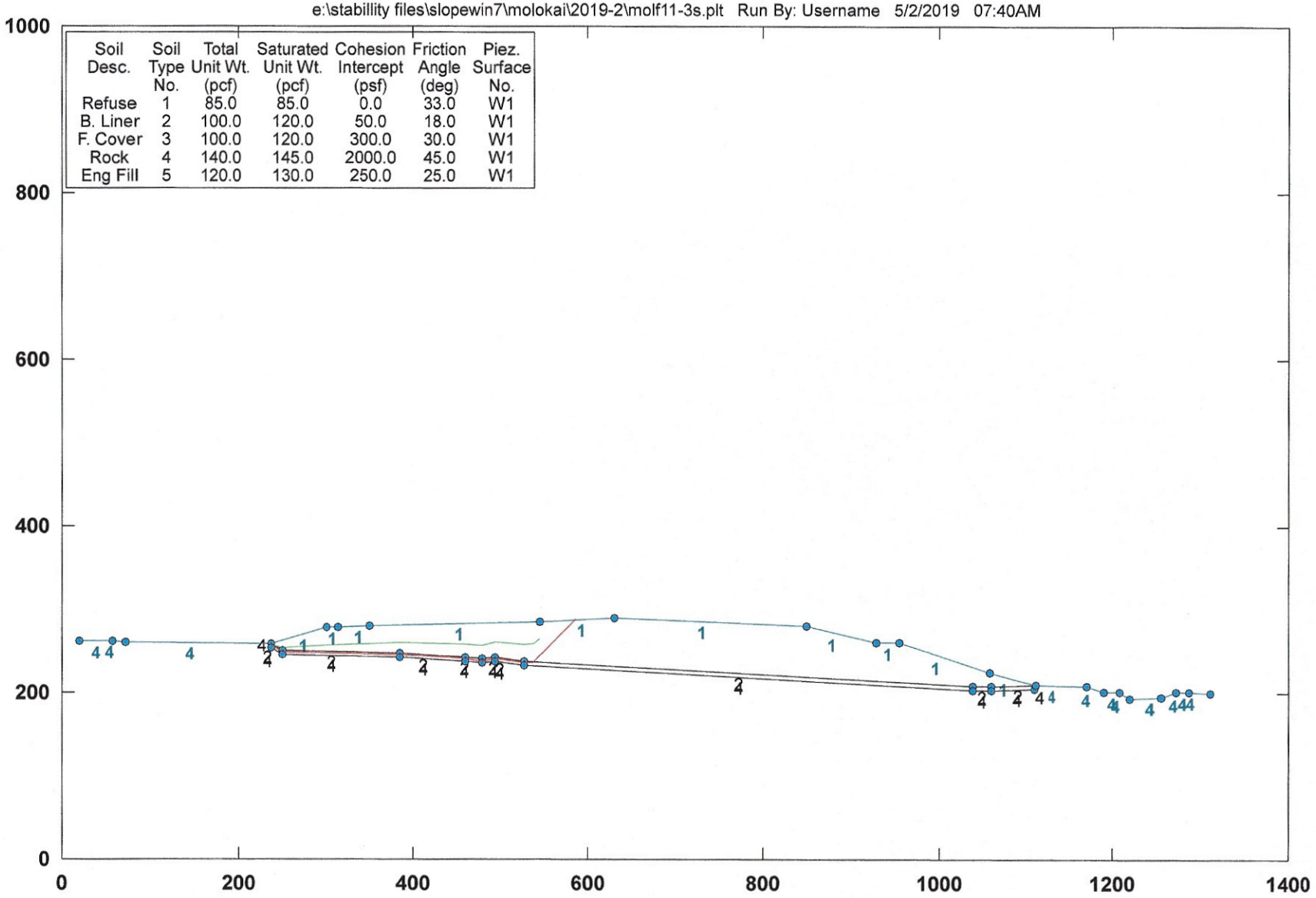
STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-3s.plt Run By: Username 5/2/2019 07:40AM

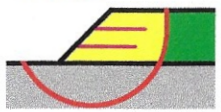
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=9.35

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

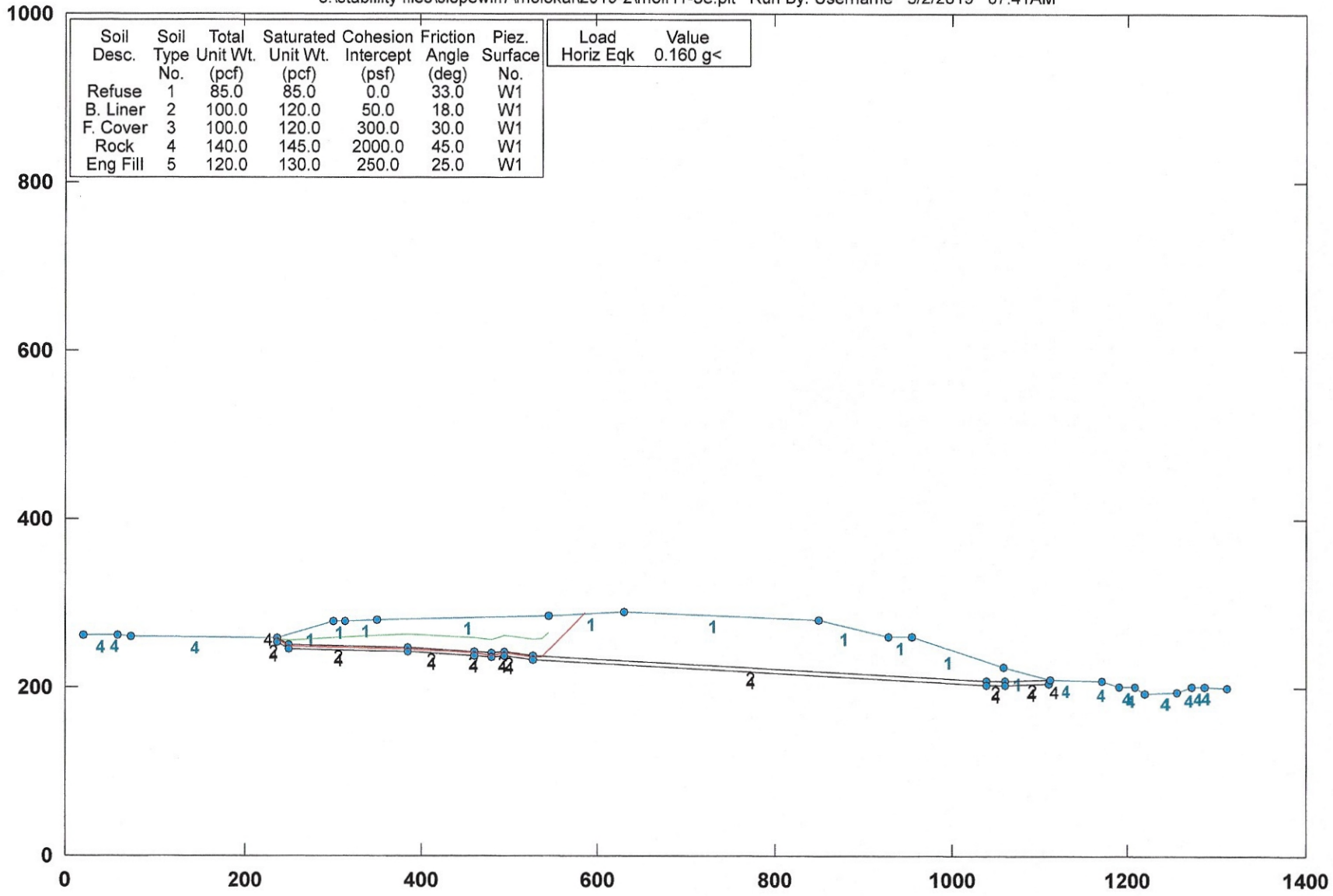


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-3e.plt Run By: Username 5/2/2019 07:41AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

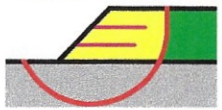
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.02

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

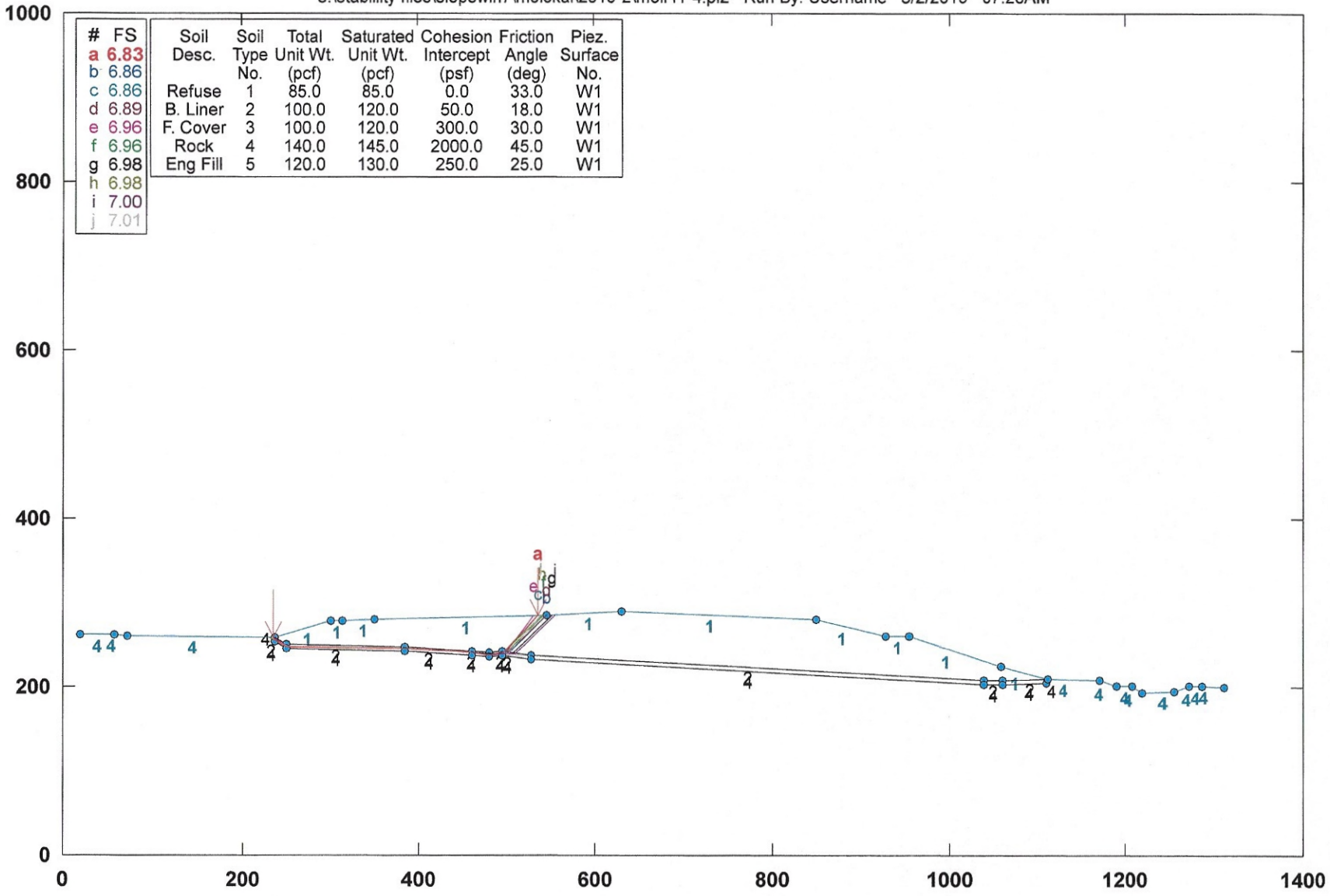


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-4.pl2 Run By: Username 5/2/2019 07:20AM

#	FS
a	6.83
b	6.86
c	6.86
d	6.89
e	6.96
f	6.96
g	6.98
h	6.98
i	7.00
j	7.01

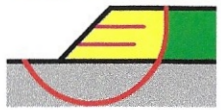
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=6.83

Safety Factors Are Calculated By The Modified Janbu Method

STED

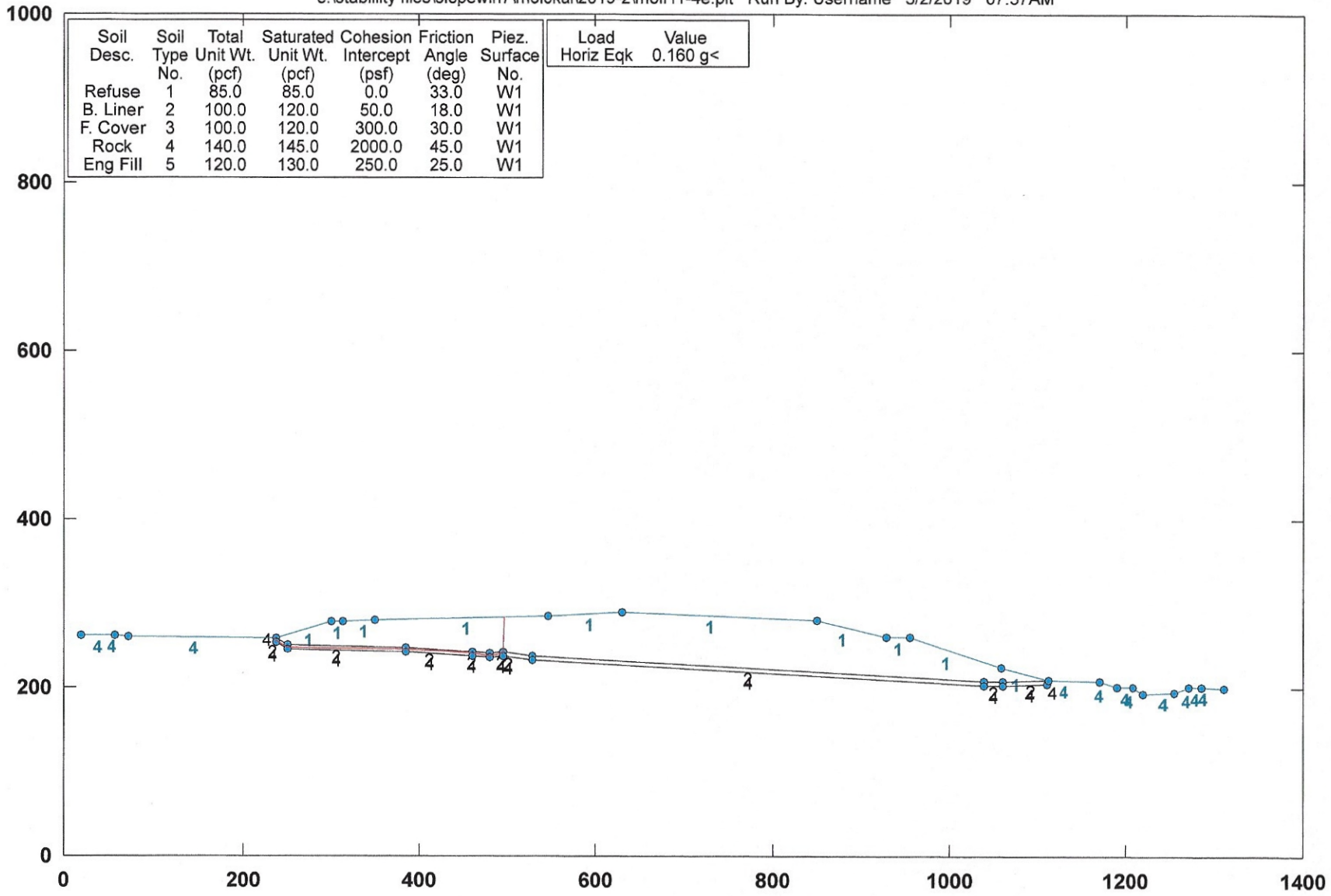


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-4e.plt Run By: Username 5/2/2019 07:57AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

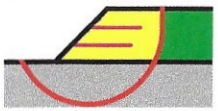
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.77

Factors of Safety Calculated by Janbu Method

STED

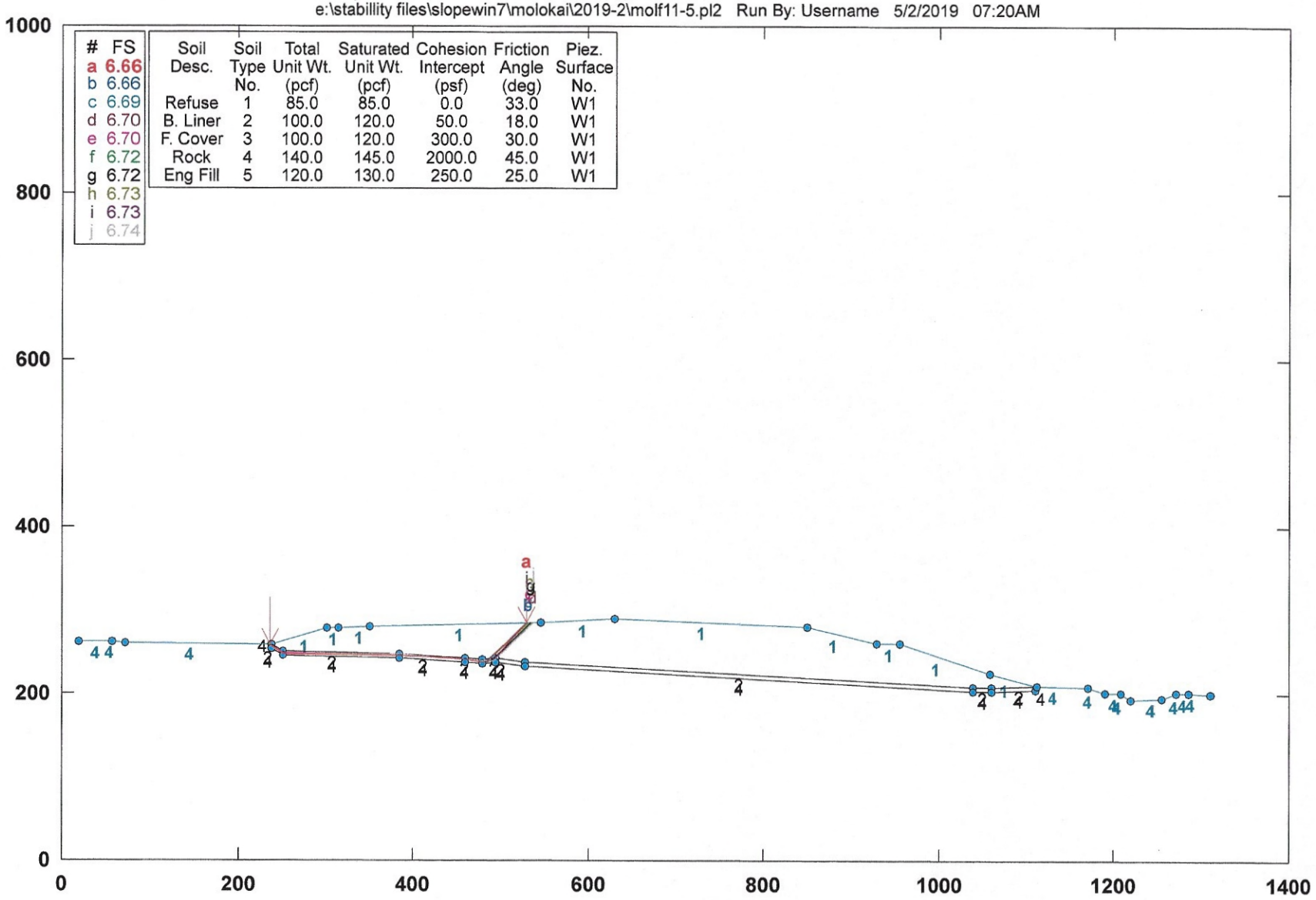


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-5.pl2 Run By: Username 5/2/2019 07:20AM

#	FS
a	6.66
b	6.66
c	6.69
d	6.70
e	6.70
f	6.72
g	6.72
h	6.73
i	6.73
j	6.74

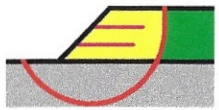
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=6.66

Safety Factors Are Calculated By The Modified Janbu Method

STED

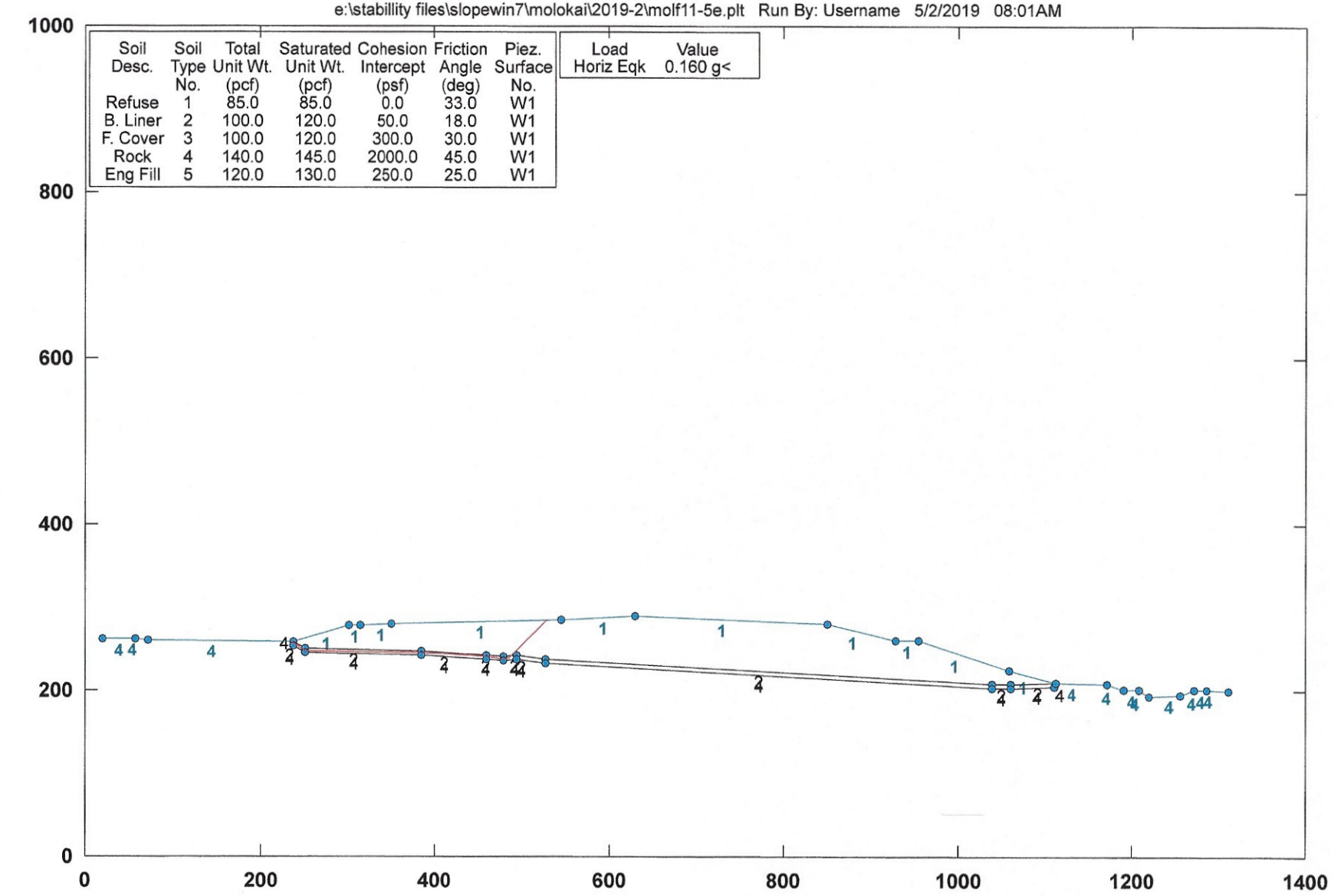


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-5e.plt Run By: Username 5/2/2019 08:01AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

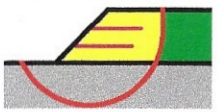
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.18

Factor Of Safety Is Calculated By The Modified Bishop Method

STED

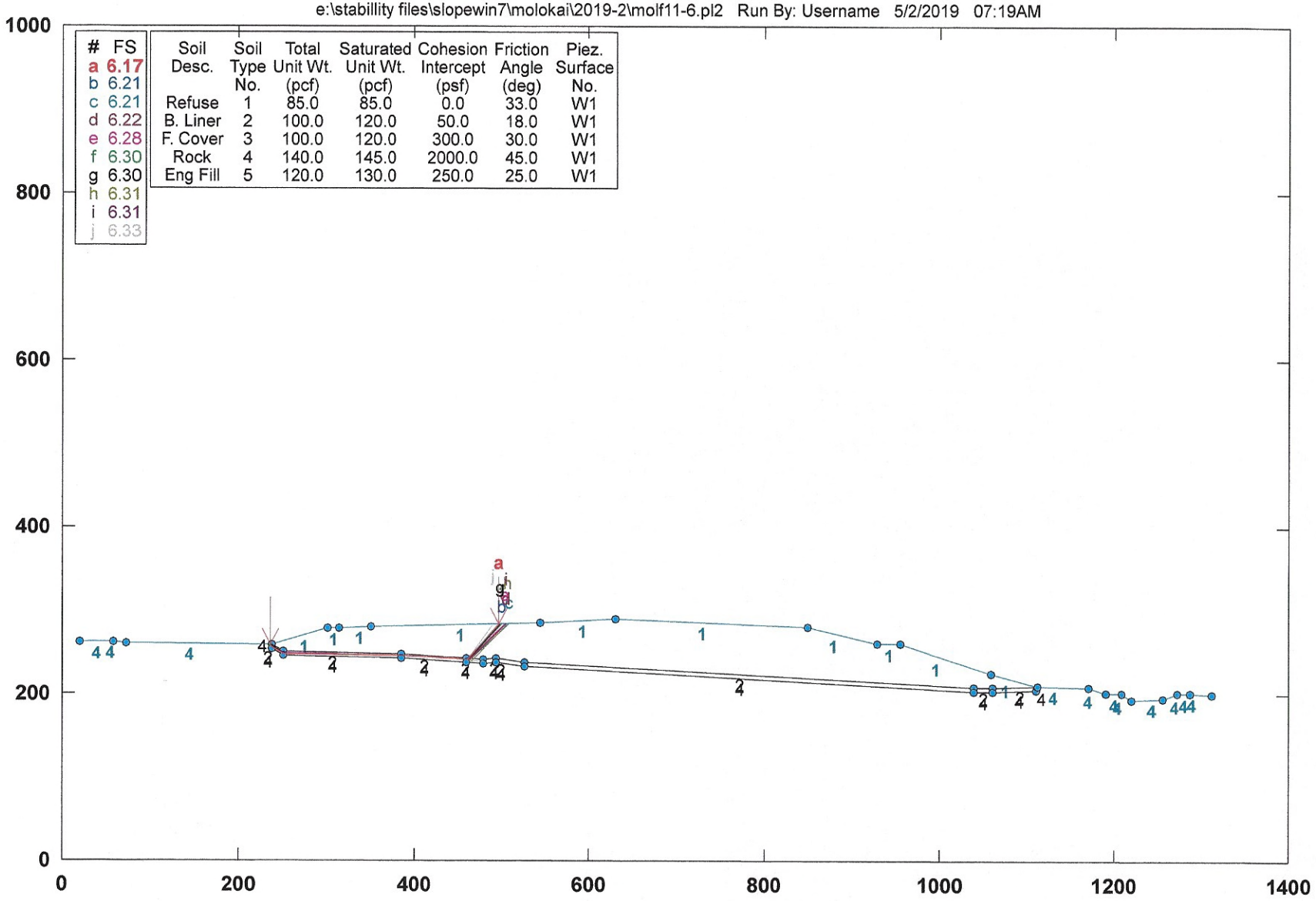


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-6.pl2 Run By: Username 5/2/2019 07:19AM

#	FS
a	6.17
b	6.21
c	6.21
d	6.22
e	6.28
f	6.30
g	6.30
h	6.31
i	6.31
j	6.33

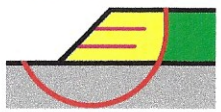
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=6.17

Safety Factors Are Calculated By The Modified Janbu Method

STED

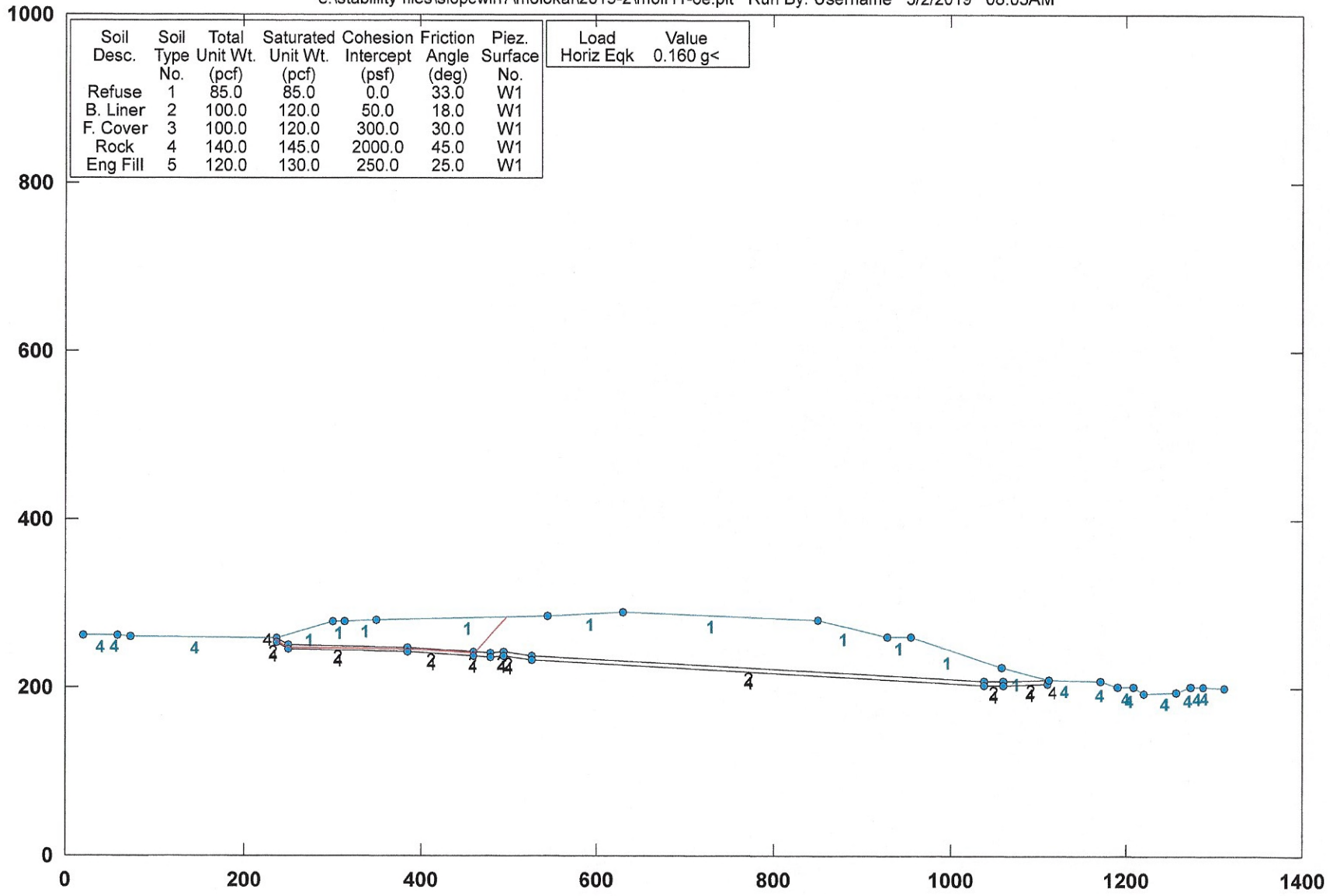


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-6e.plt Run By: Username 5/2/2019 08:05AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

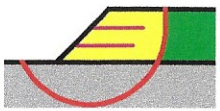
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.90

Factors of Safety Calculated by Janbu Method

STED

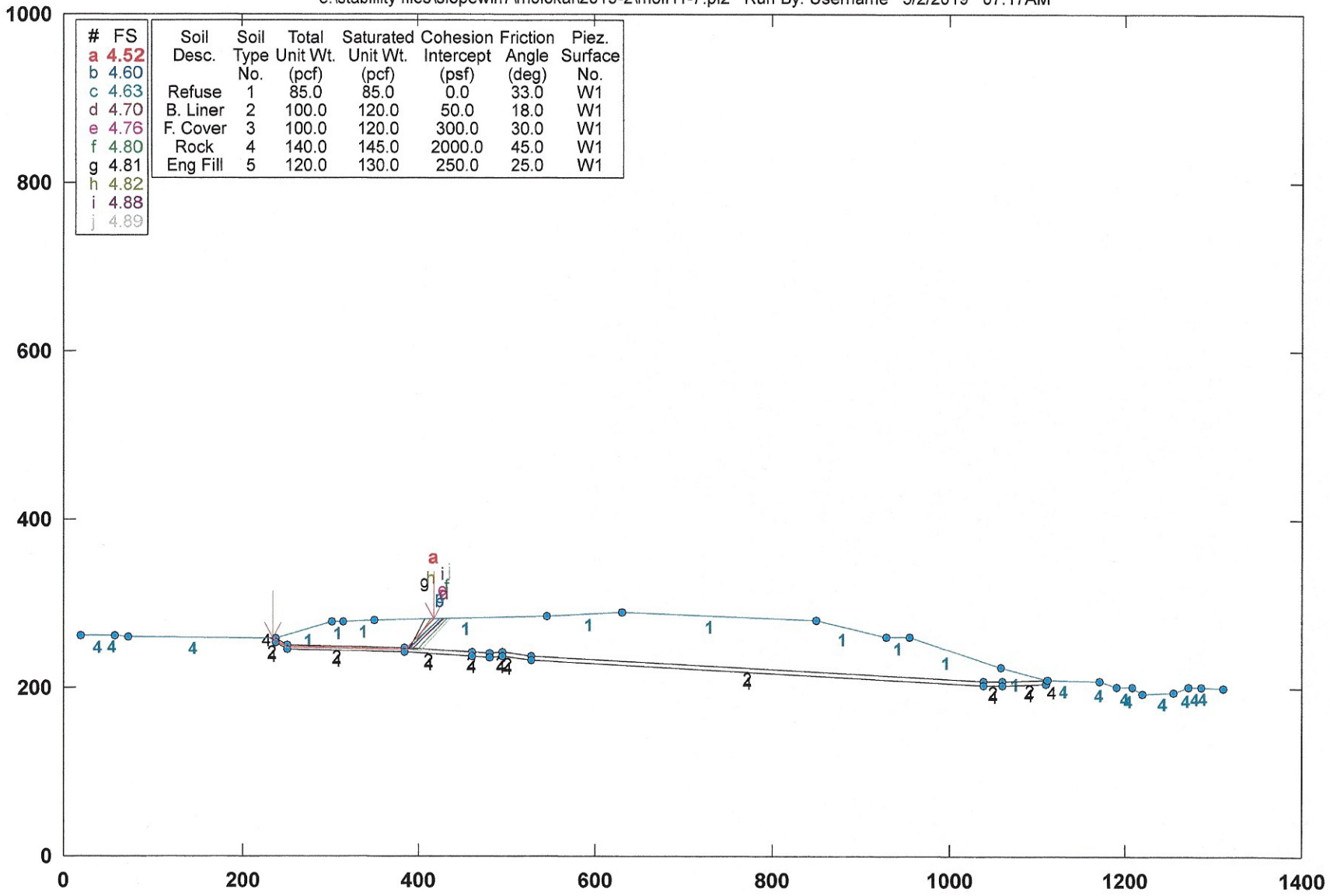


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-7.pl2 Run By: Username 5/2/2019 07:17AM

#	FS
a	4.52
b	4.60
c	4.63
d	4.70
e	4.76
f	4.80
g	4.81
h	4.82
i	4.88
j	4.89

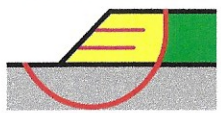
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=4.52

Safety Factors Are Calculated By The Modified Janbu Method

STED

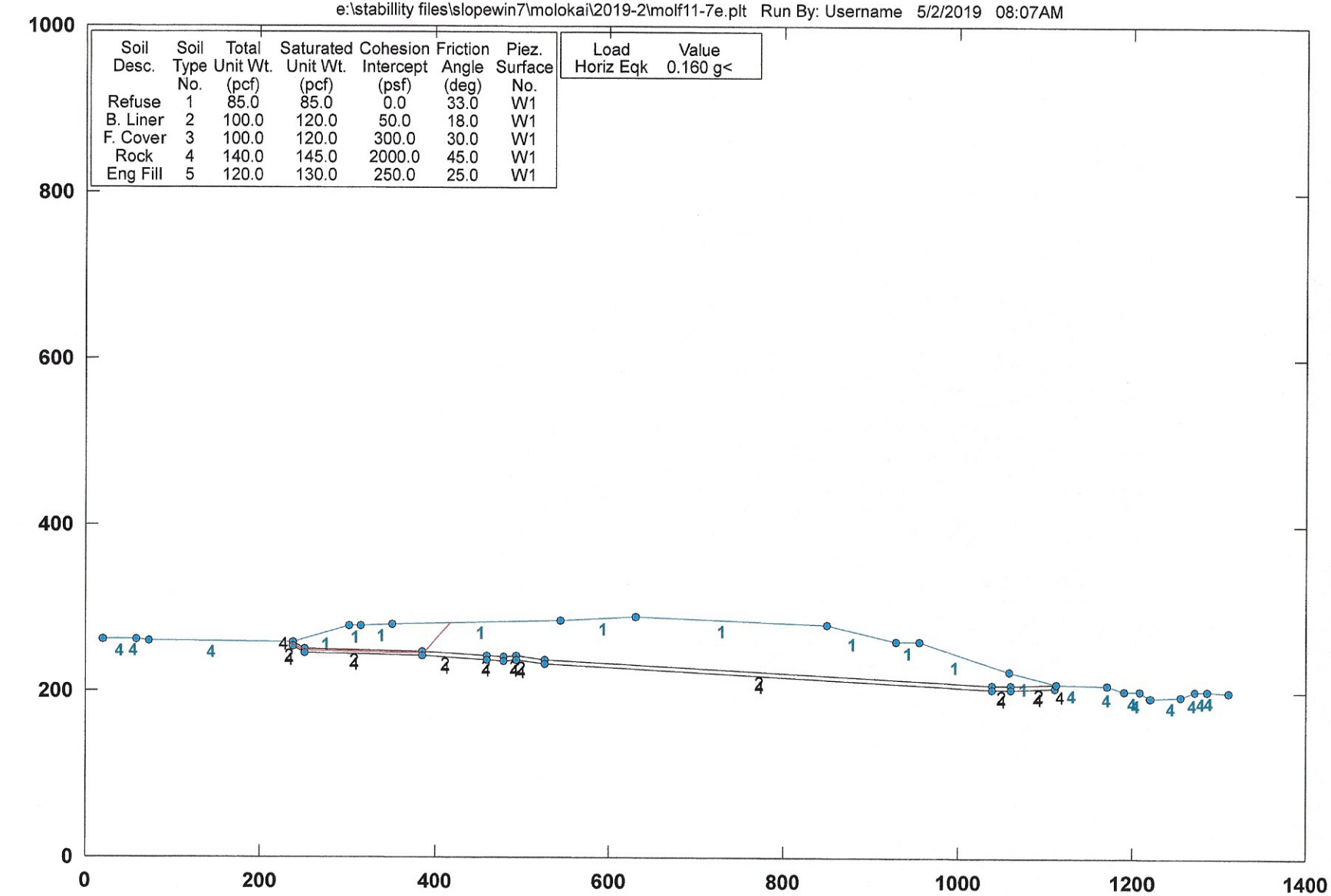


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-7e.plt Run By: Username 5/2/2019 08:07AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

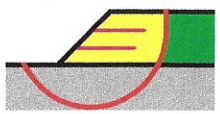
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.75

Factors of Safety Calculated by Janbu Method

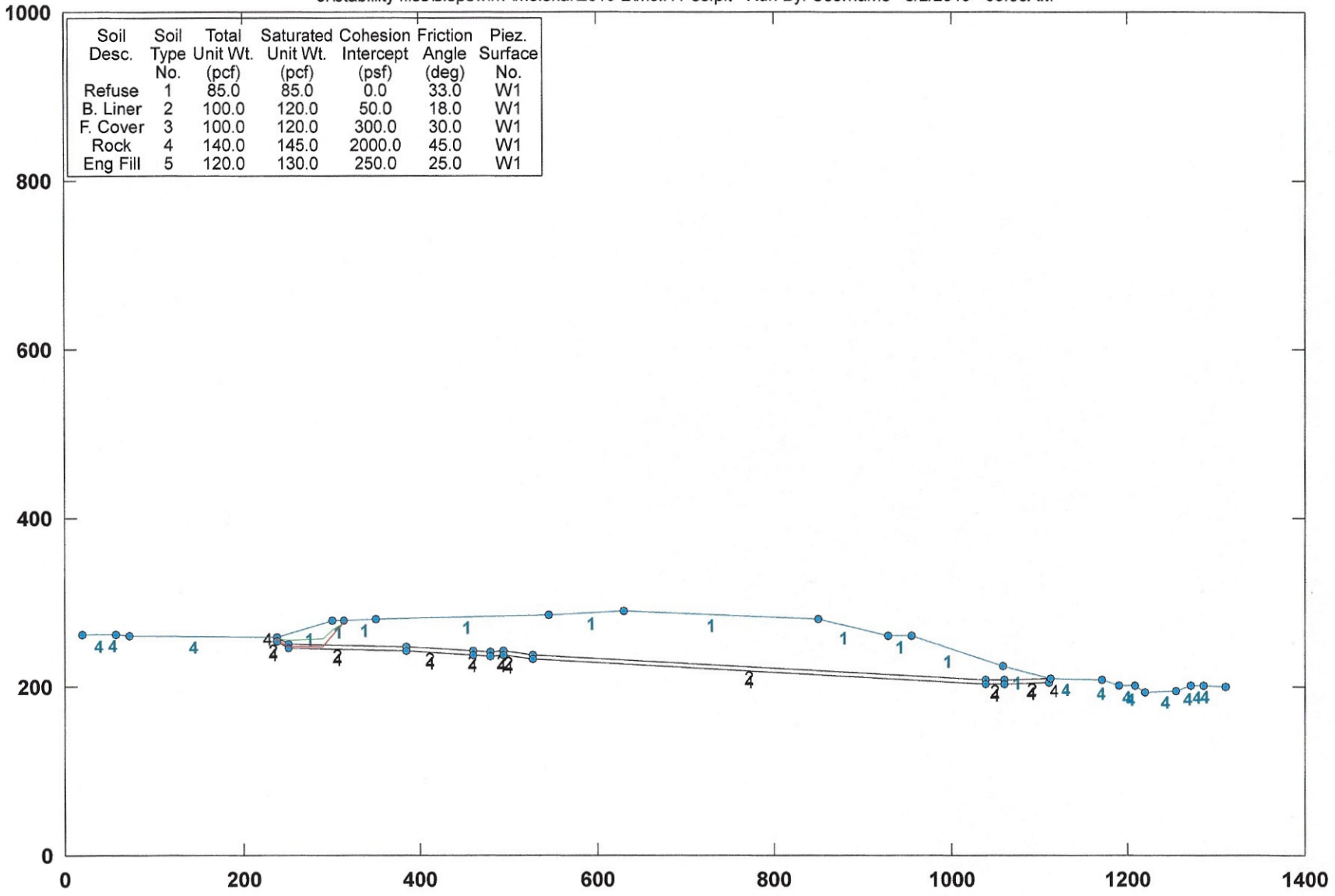
STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-8s.plt Run By: Username 5/2/2019 08:08AM

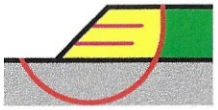
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=3.11

Factor Of Safety Is Calculated By Spencer`s Method of Slices

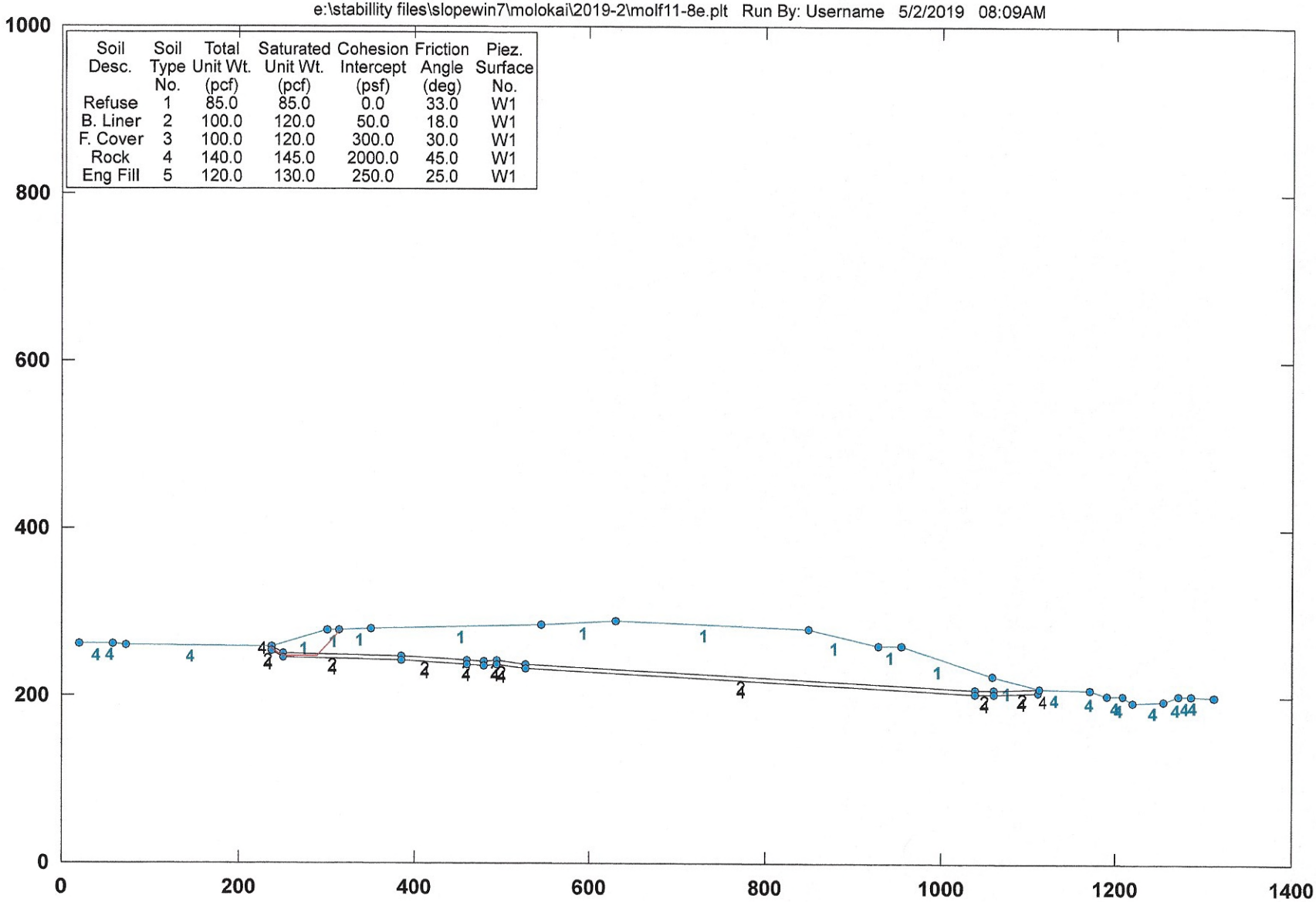
STED



MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-8e.plt Run By: Username 5/2/2019 08:09AM

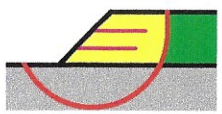
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.55

Factors of Safety Calculated by Janbu Method

STED

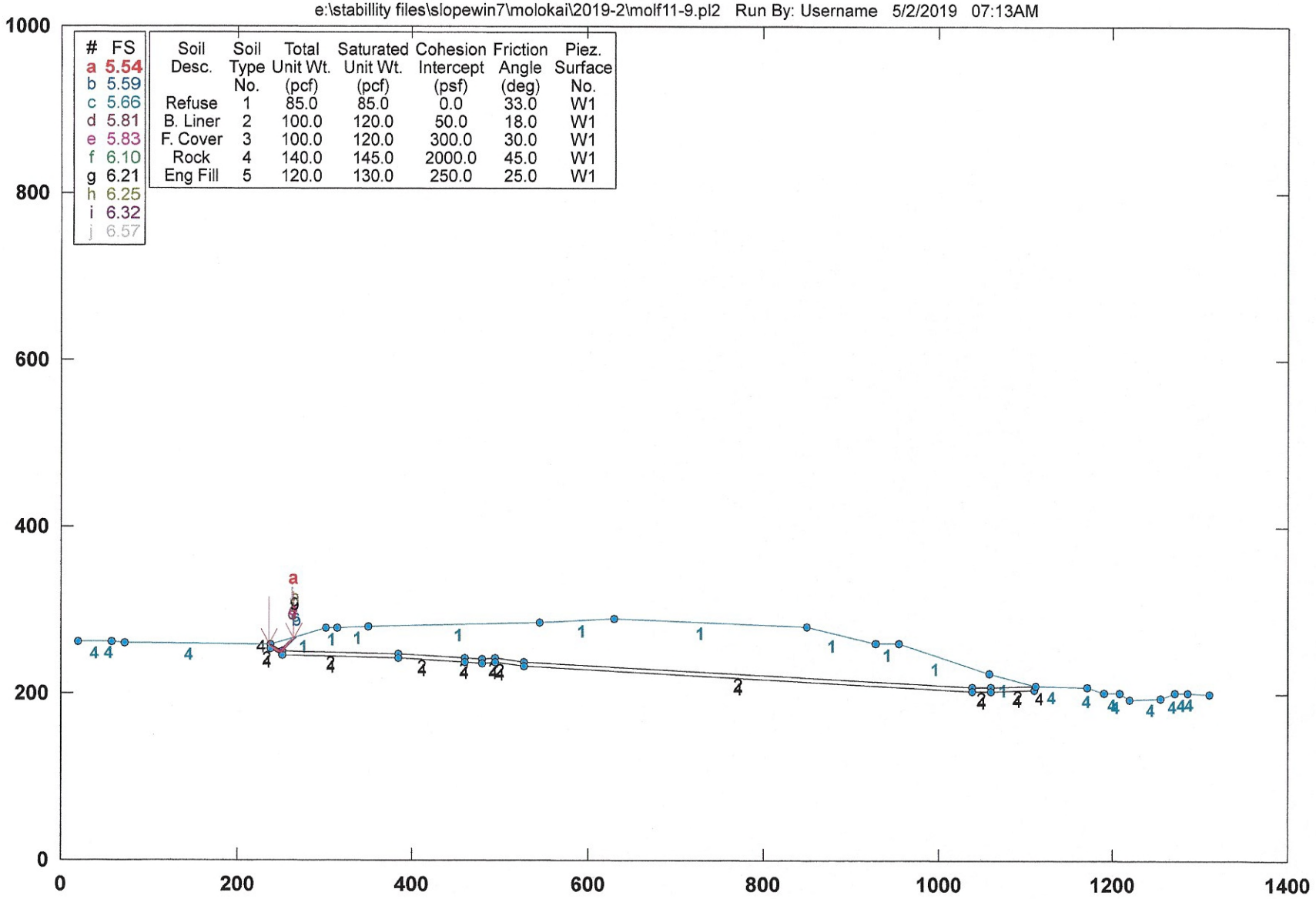


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-9.pl2 Run By: Username 5/2/2019 07:13AM

#	FS
a	5.54
b	5.59
c	5.66
d	5.81
e	5.83
f	6.10
g	6.21
h	6.25
i	6.32
j	6.57

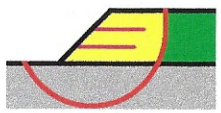
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=5.54

Safety Factors Are Calculated By The Modified Janbu Method

STED

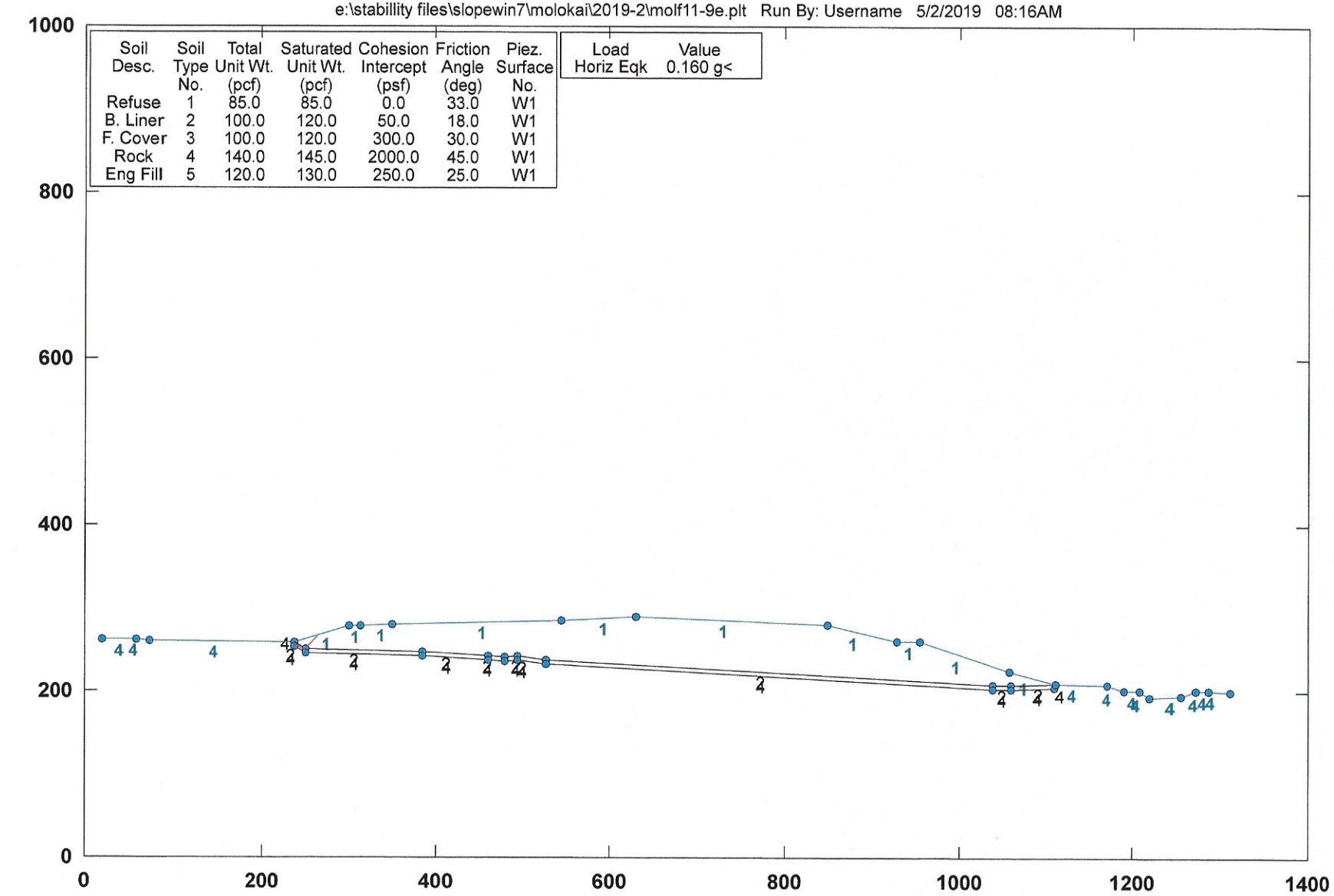


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11-9e.plt Run By: Username 5/2/2019 08:16AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

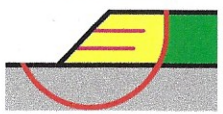
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=3.60

Factors of Safety Calculated by Janbu Method

STED

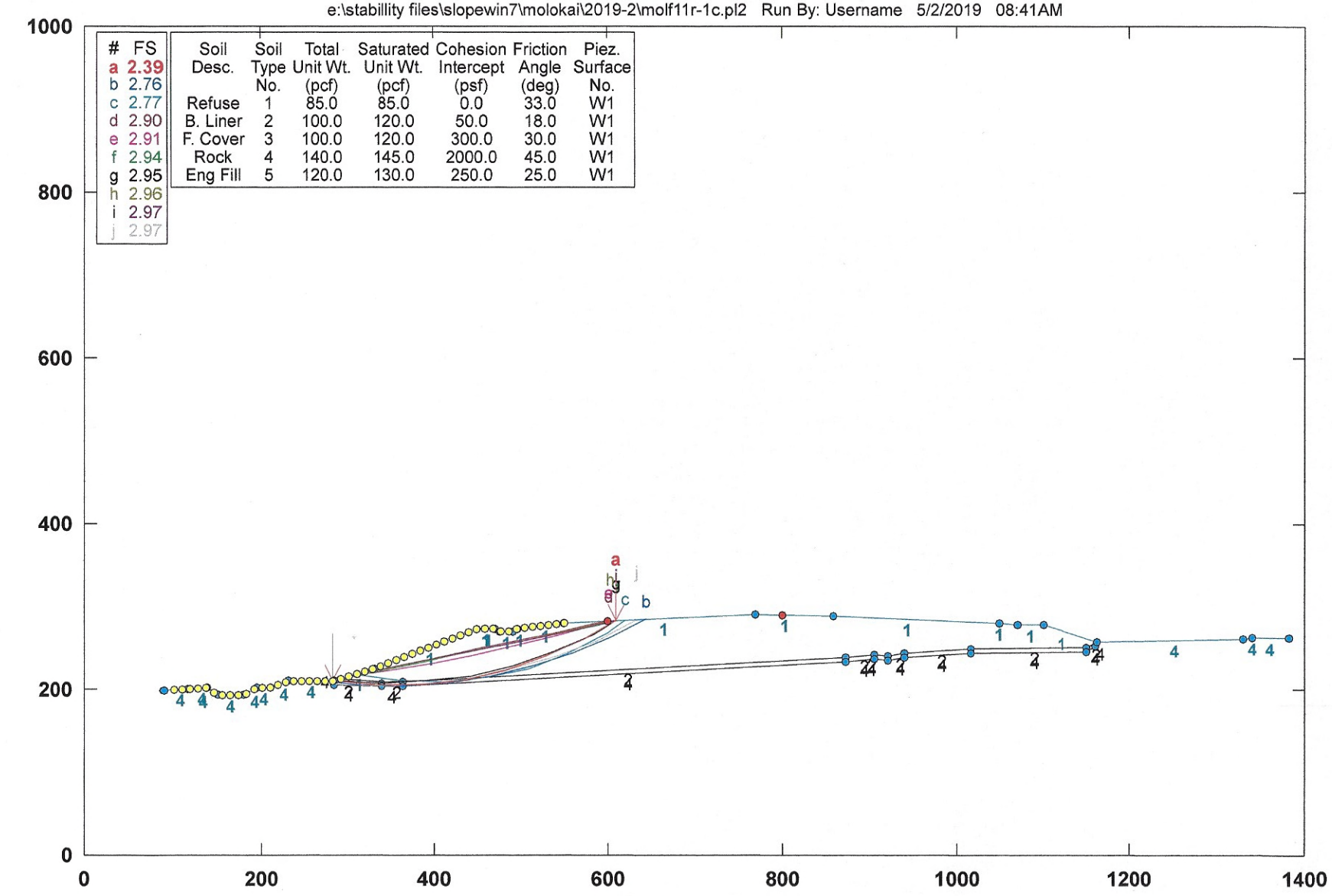


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11r-1c.pl2 Run By: Username 5/2/2019 08:41AM

#	FS
a	2.39
b	2.76
c	2.77
d	2.90
e	2.91
f	2.94
g	2.95
h	2.96
i	2.97
j	2.97

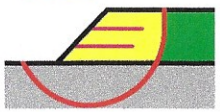
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.39

Safety Factors Are Calculated By The Modified Bishop Method

STED

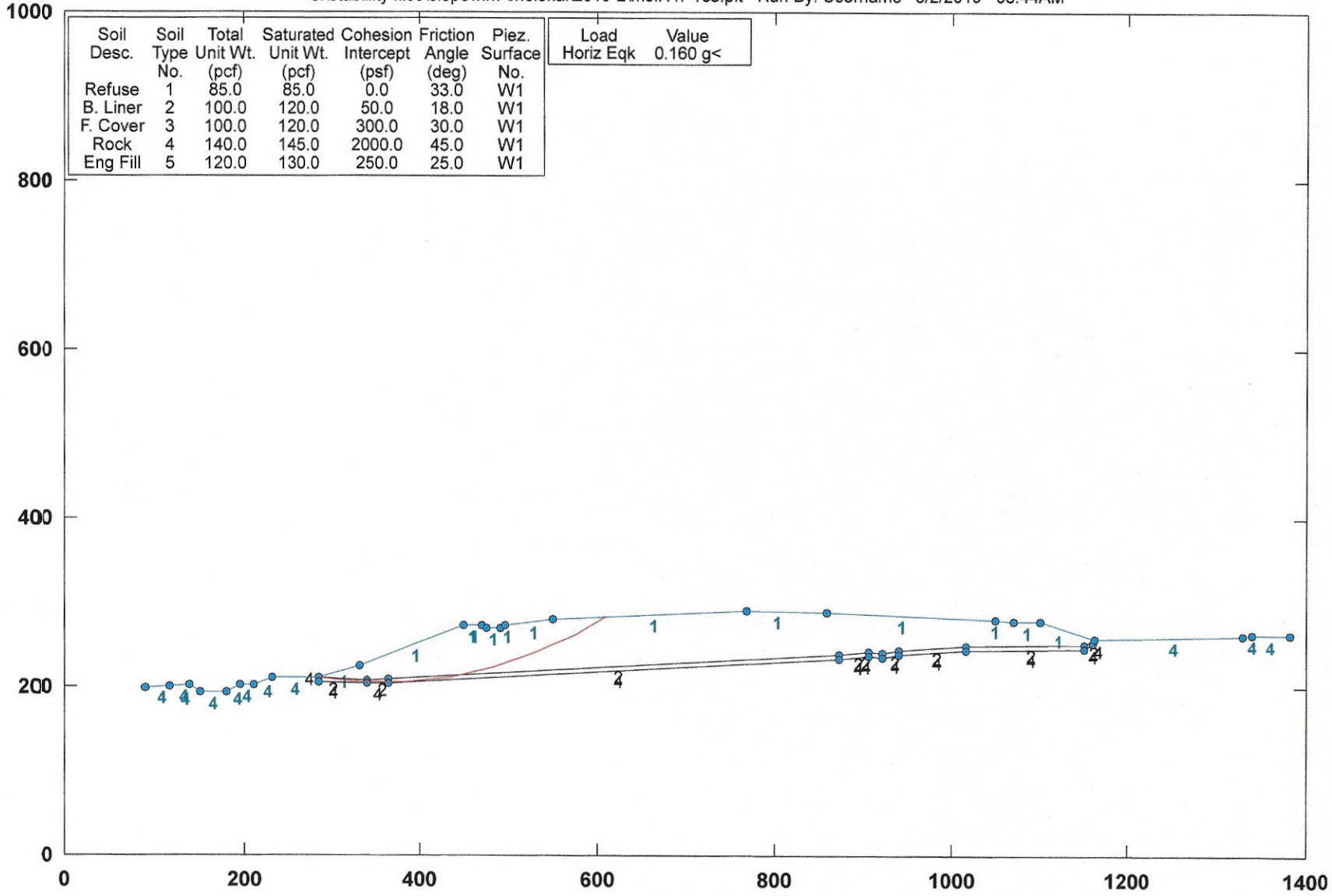


MOLF - Slope Stability Section 1-1 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf11r-1ce.plt Run By: Username 5/2/2019 08:44AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

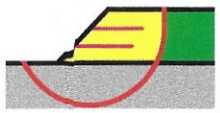
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.35

Factor Of Safety Is Calculated By The Modified Bishop Method

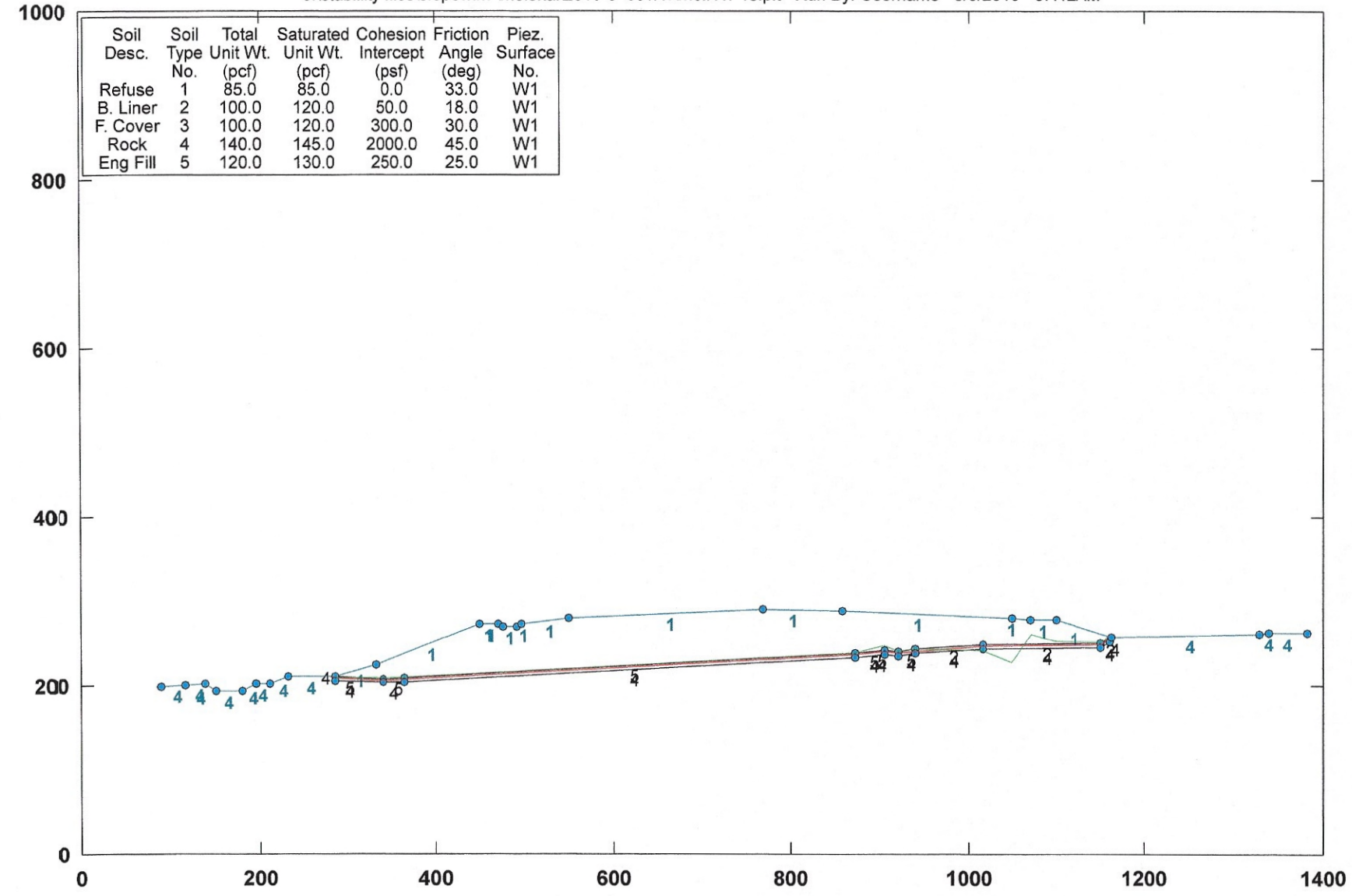
STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-1s.plt Run By: Username 5/6/2019 07:12AM

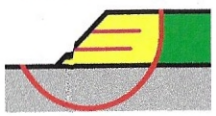
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=8.95

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

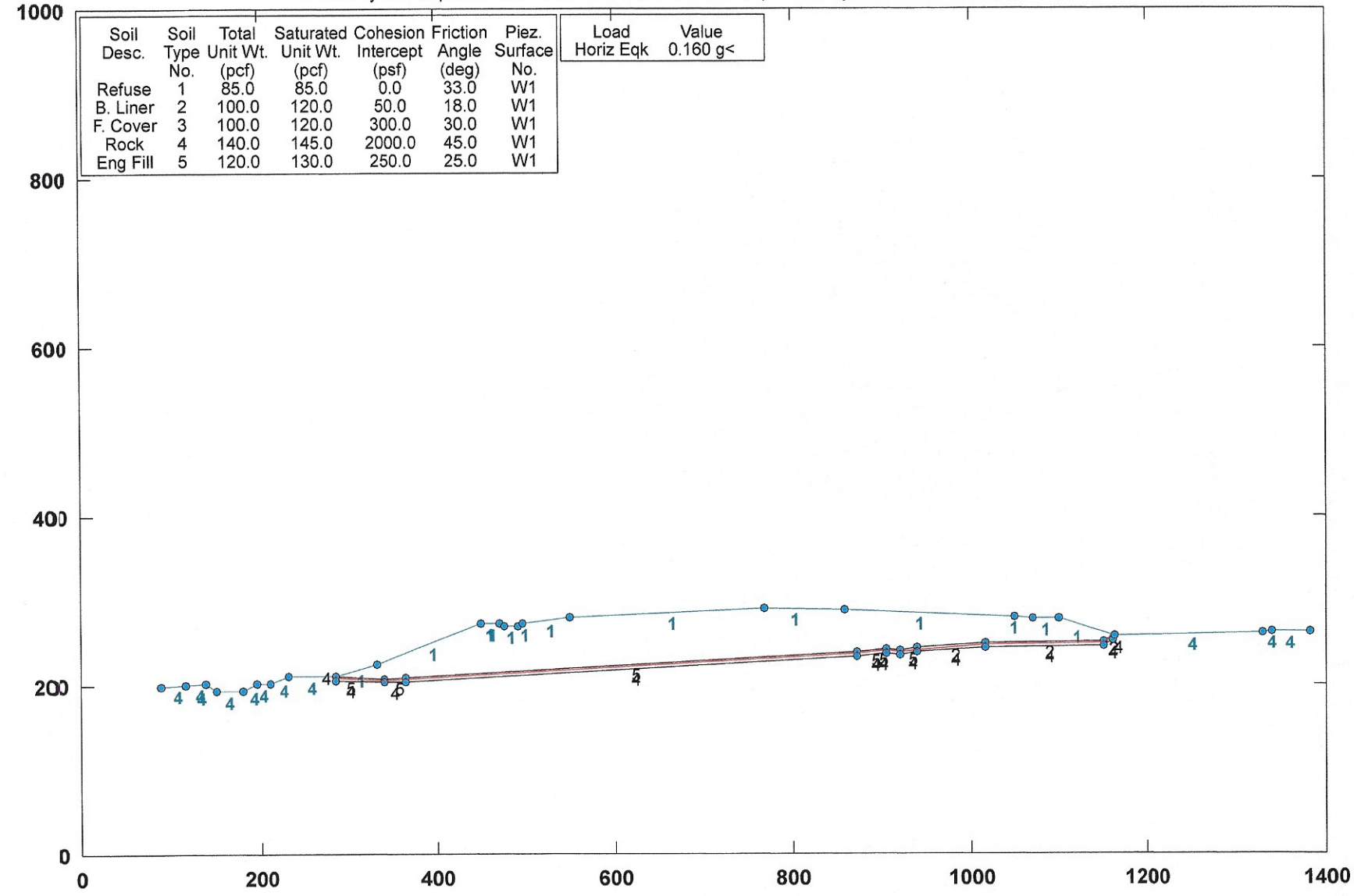


MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-1e.plt Run By: Username 5/6/2019 07:10AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

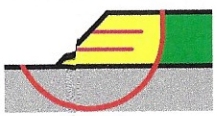
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.29

Factors of Safety Calculated by Janbu Method

STED

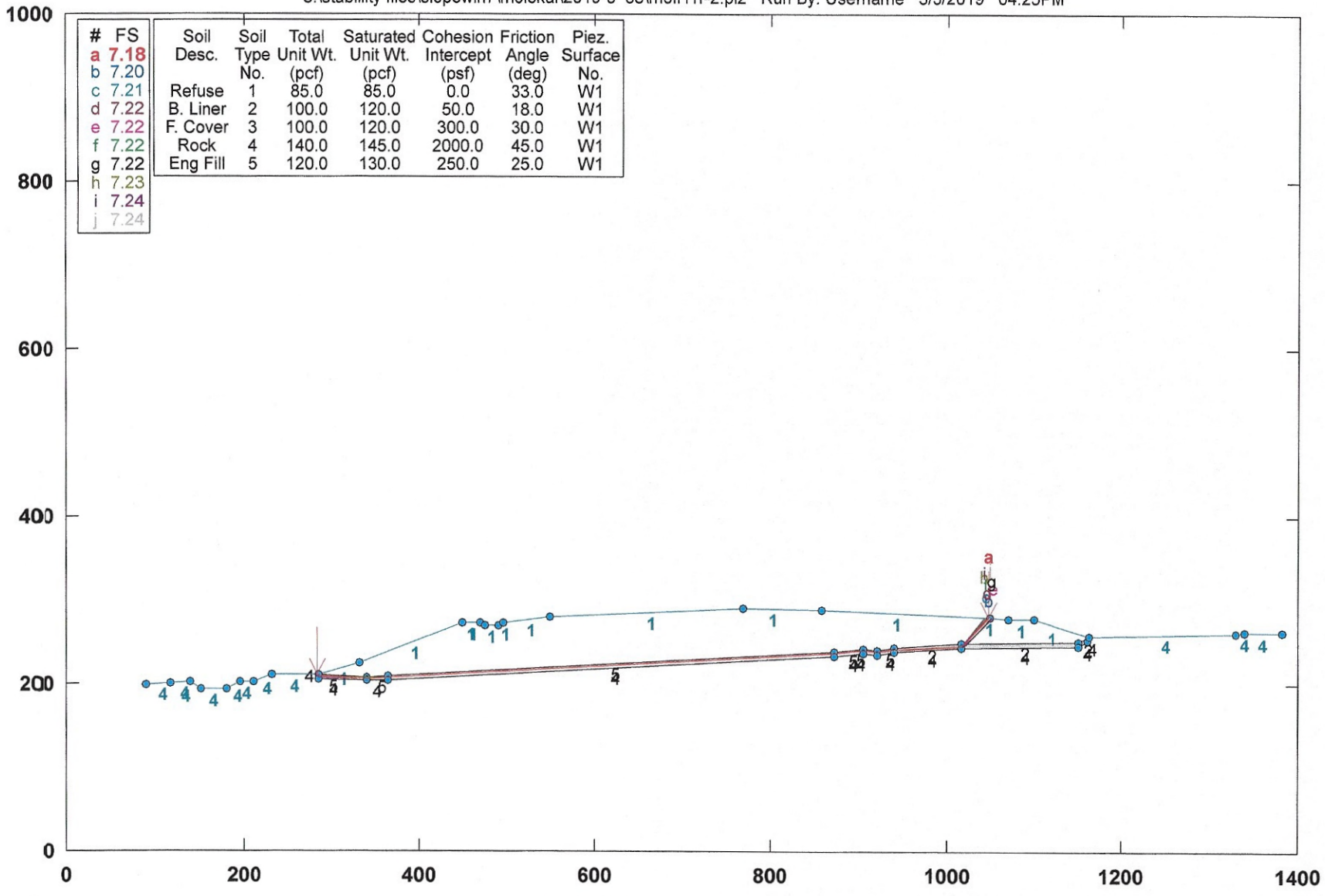


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\molf11r-2.pl2 Run By: Username 5/3/2019 04:25PM

#	FS
a	7.18
b	7.20
c	7.21
d	7.22
e	7.22
f	7.22
g	7.22
h	7.23
i	7.24
j	7.24

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=7.18

Safety Factors Are Calculated By The Modified Janbu Method

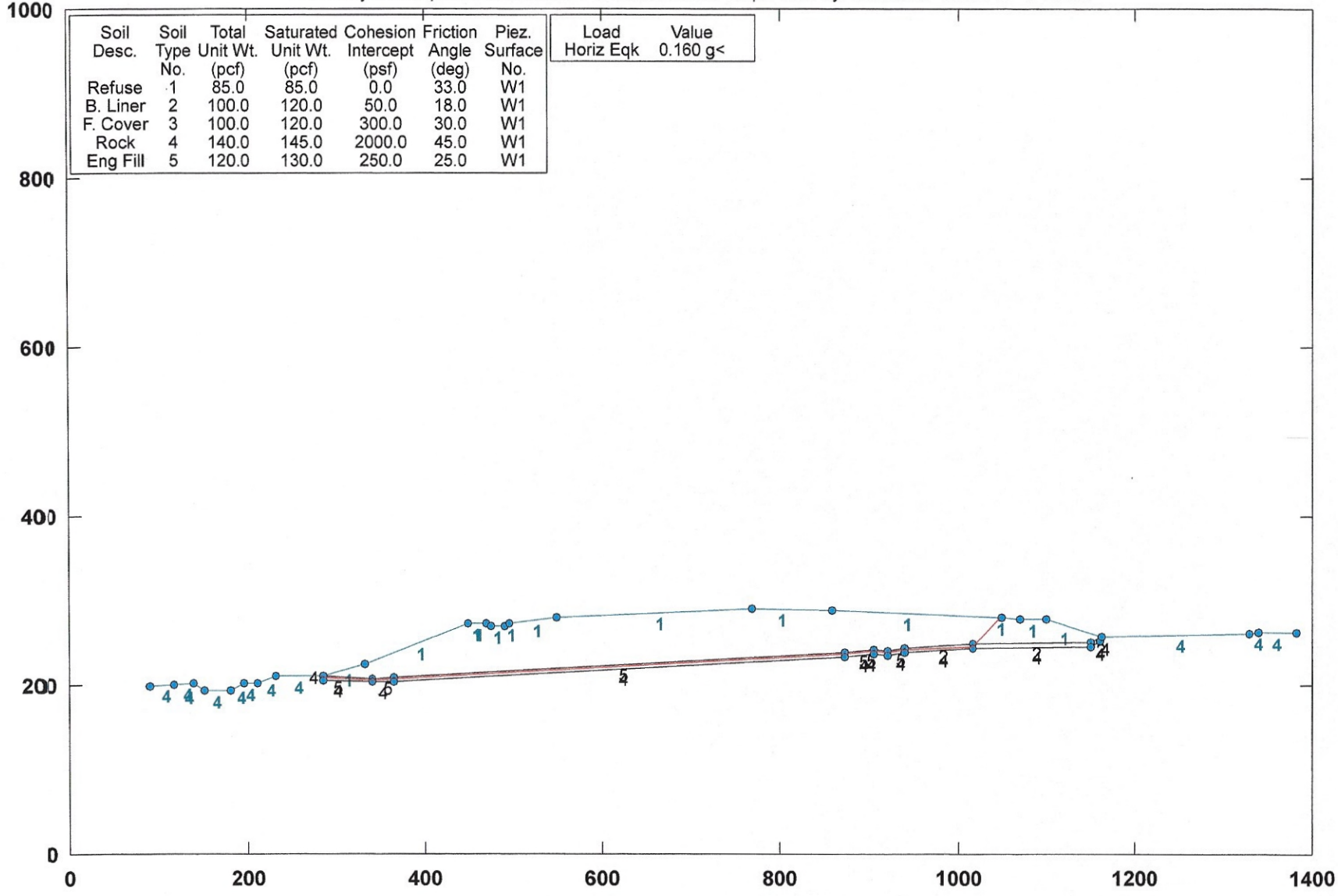
STED

MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-2e.plt Run By: Username 5/6/2019 07:17AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

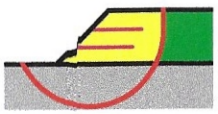
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.22

Factors of Safety Calculated by Janbu Method

STED

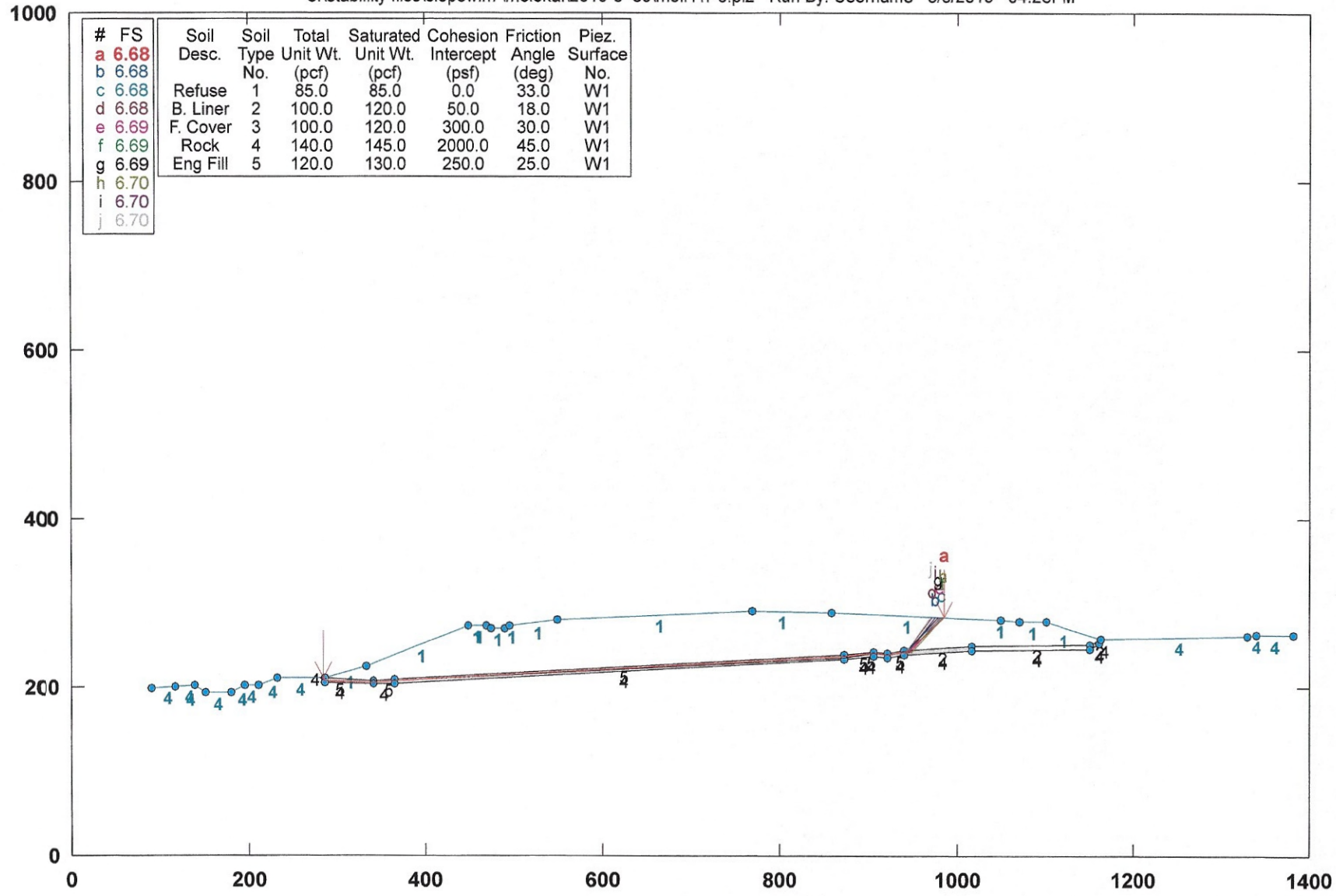


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\molf11r-3.pl2 Run By: Username 5/3/2019 04:26PM

#	FS
a	6.68
b	6.68
c	6.68
d	6.68
e	6.69
f	6.69
g	6.69
h	6.70
i	6.70
j	6.70

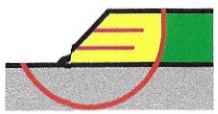
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=6.68

Safety Factors Are Calculated By The Modified Janbu Method

STED

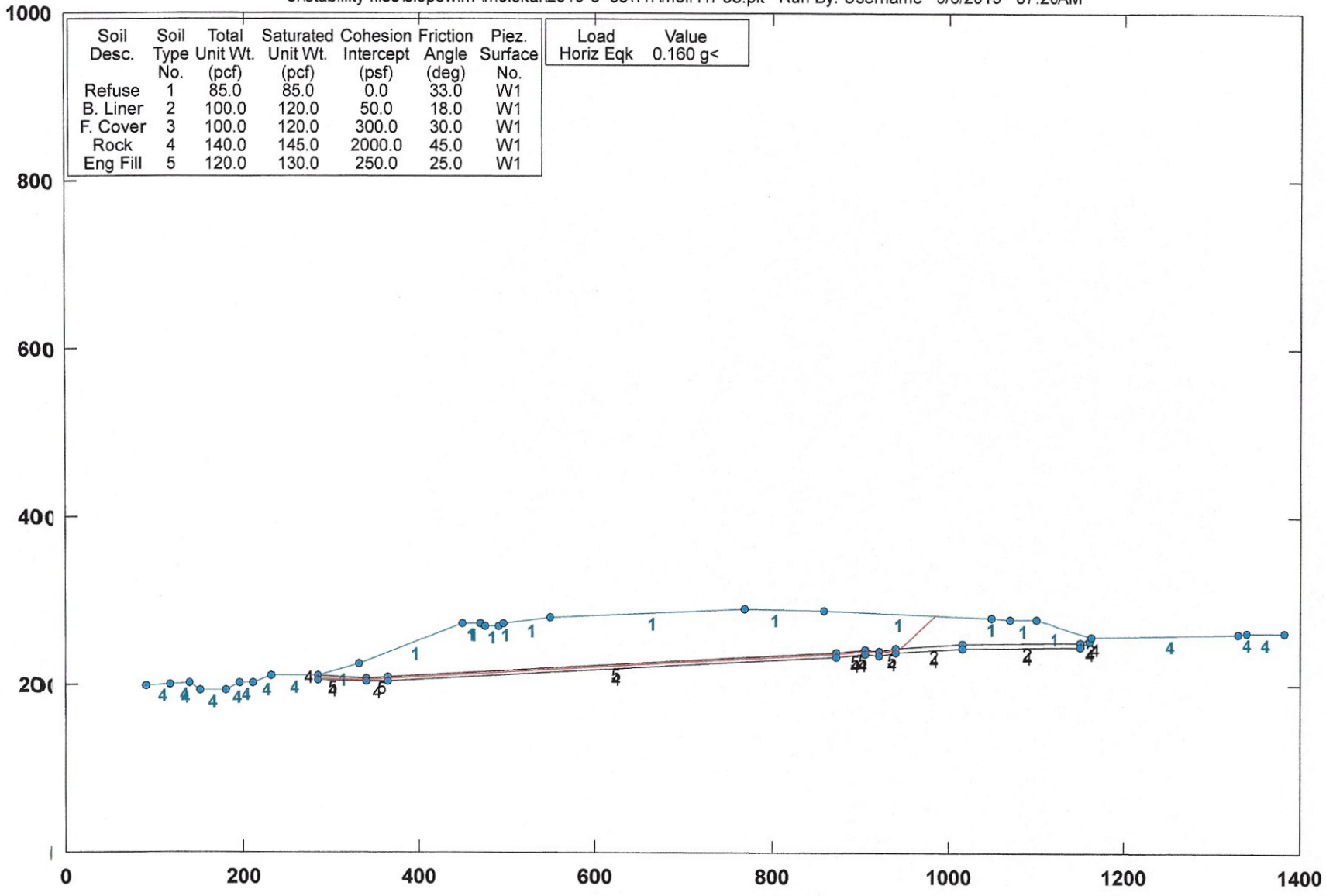


MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-3e.plt Run By: Username 5/6/2019 07:20AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

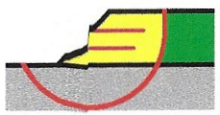
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.22

Factors of Safety Calculated by Janbu Method

STED

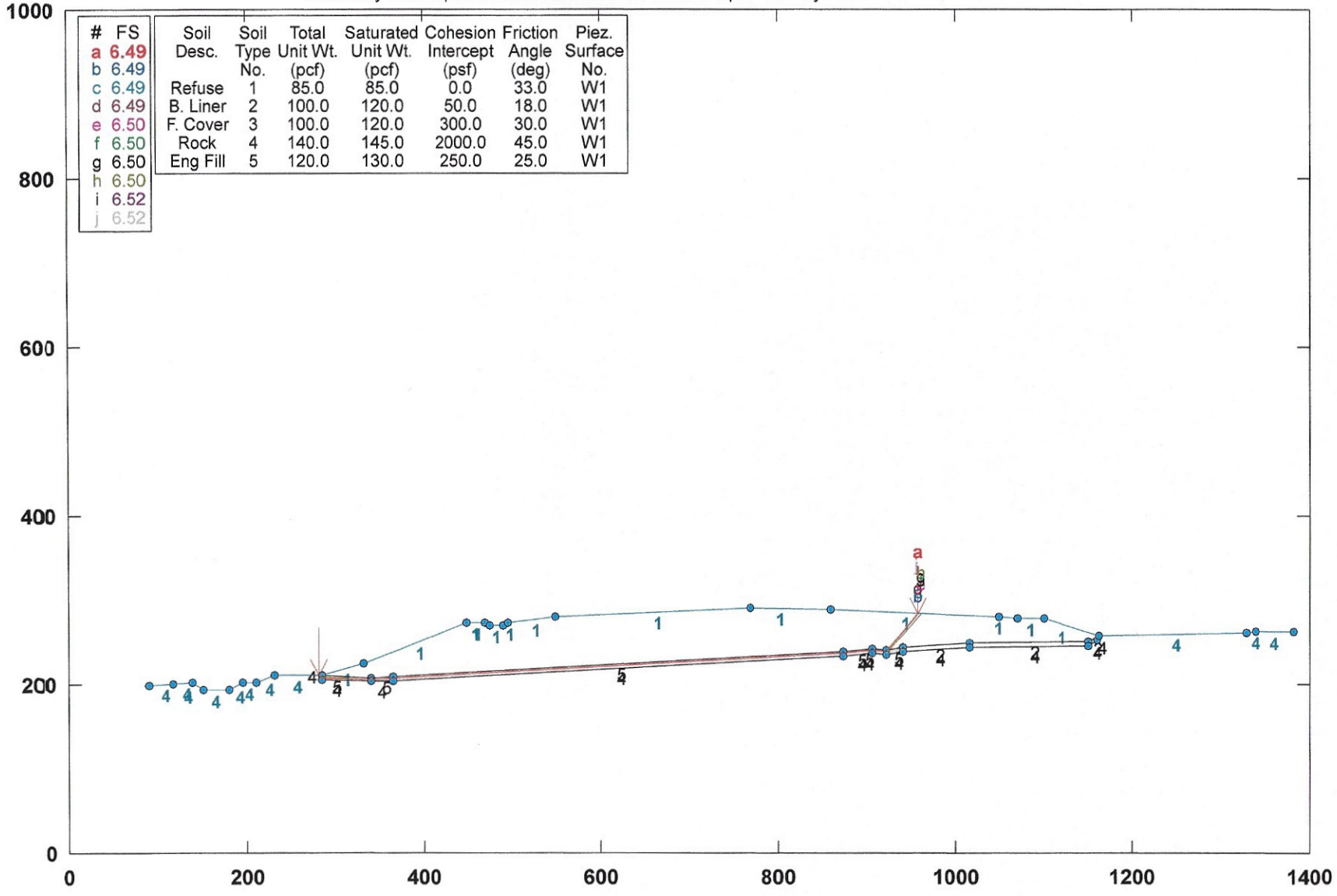


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\molf11r-4.pl2 Run By: Username 5/3/2019 04:27PM

#	FS
a	6.49
b	6.49
c	6.49
d	6.49
e	6.50
f	6.50
g	6.50
h	6.50
i	6.52
j	6.52

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=6.49

Safety Factors Are Calculated By The Modified Janbu Method

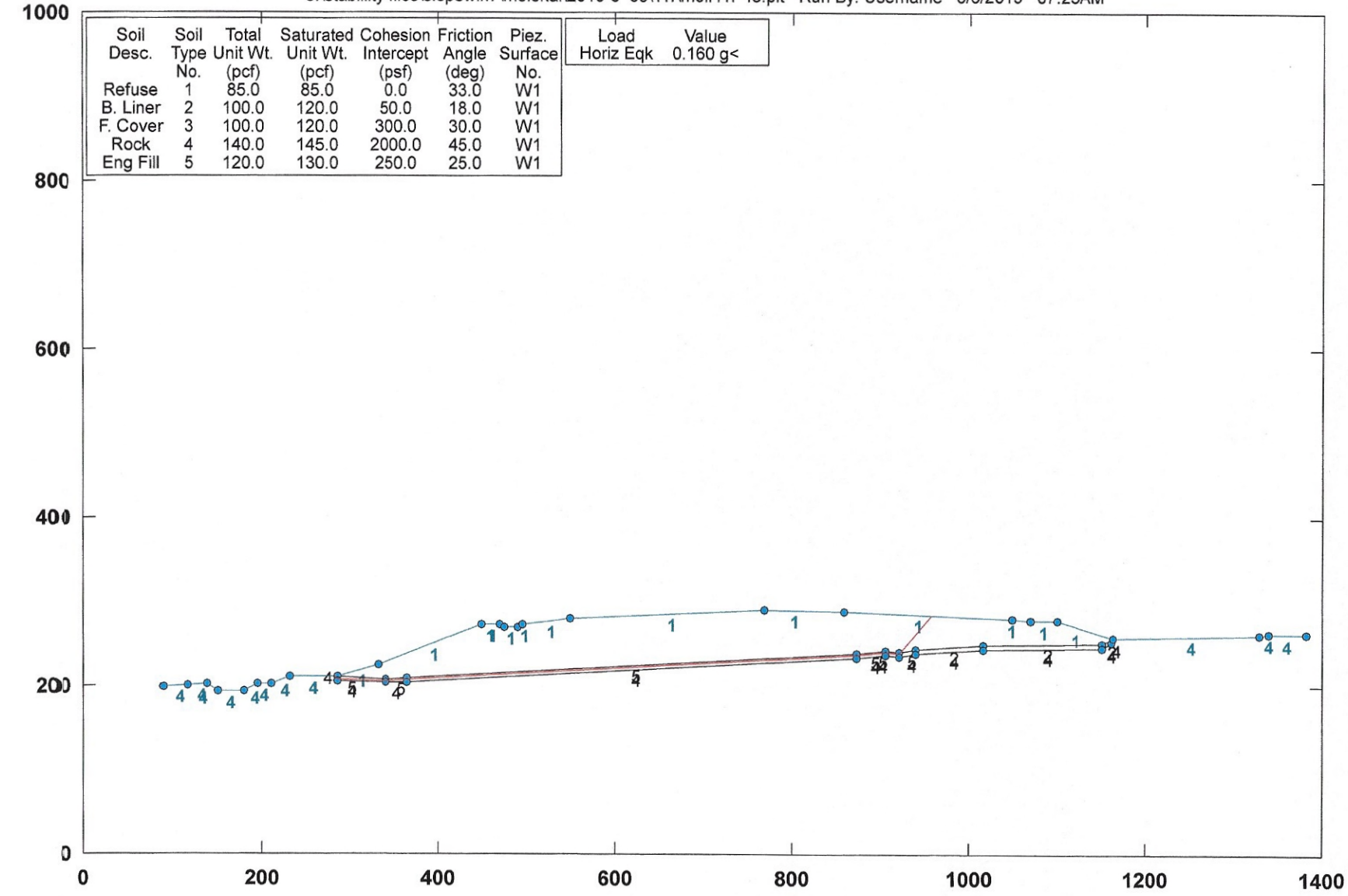
STED

MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-4e.plt Run By: Username 5/6/2019 07:25AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

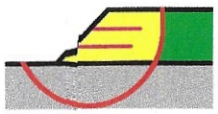
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.30

Factor Of Safety Is Calculated By The Modified Bishop Method

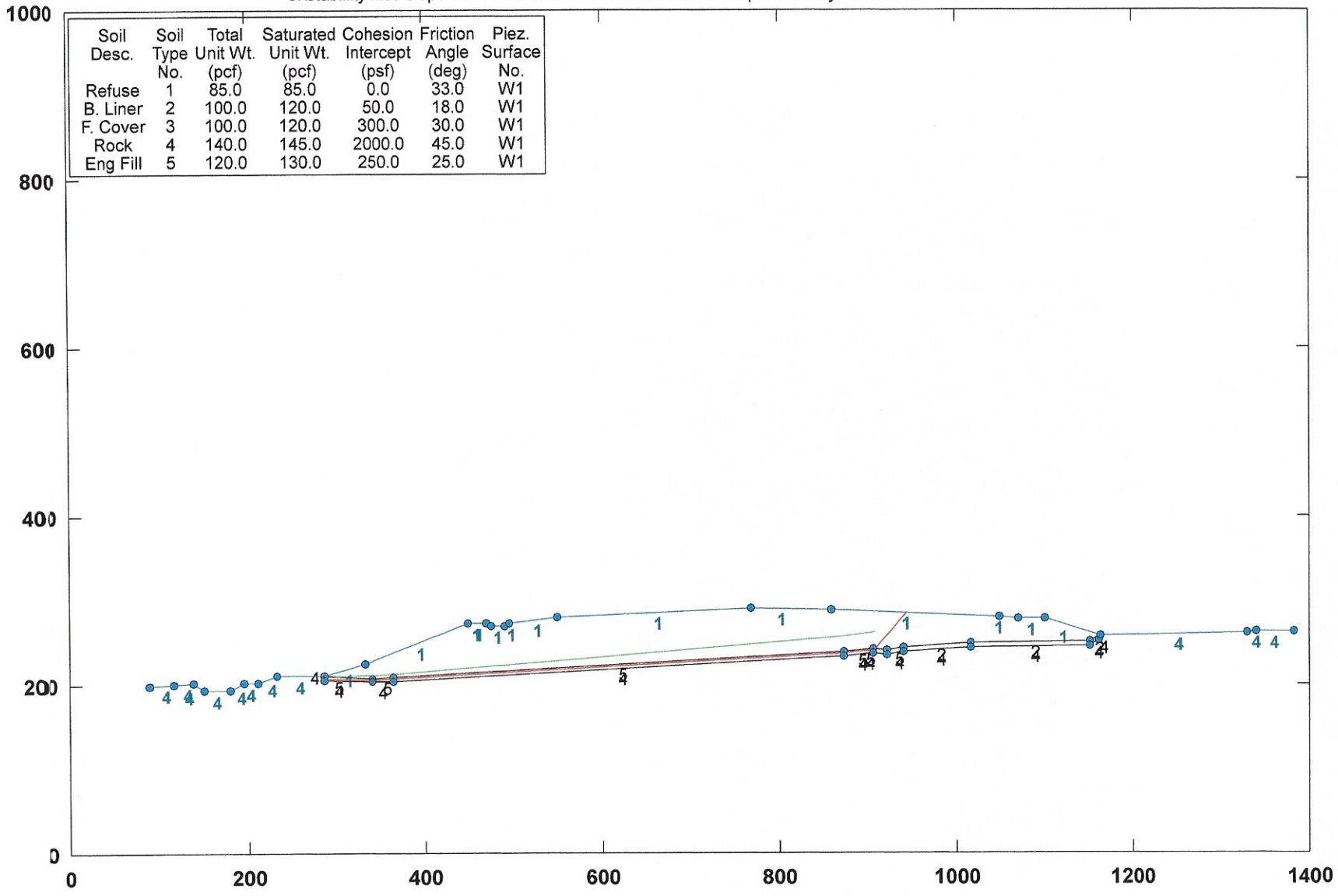
STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-5s.plt Run By: Username 5/6/2019 07:27AM

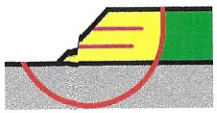
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=6.42

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

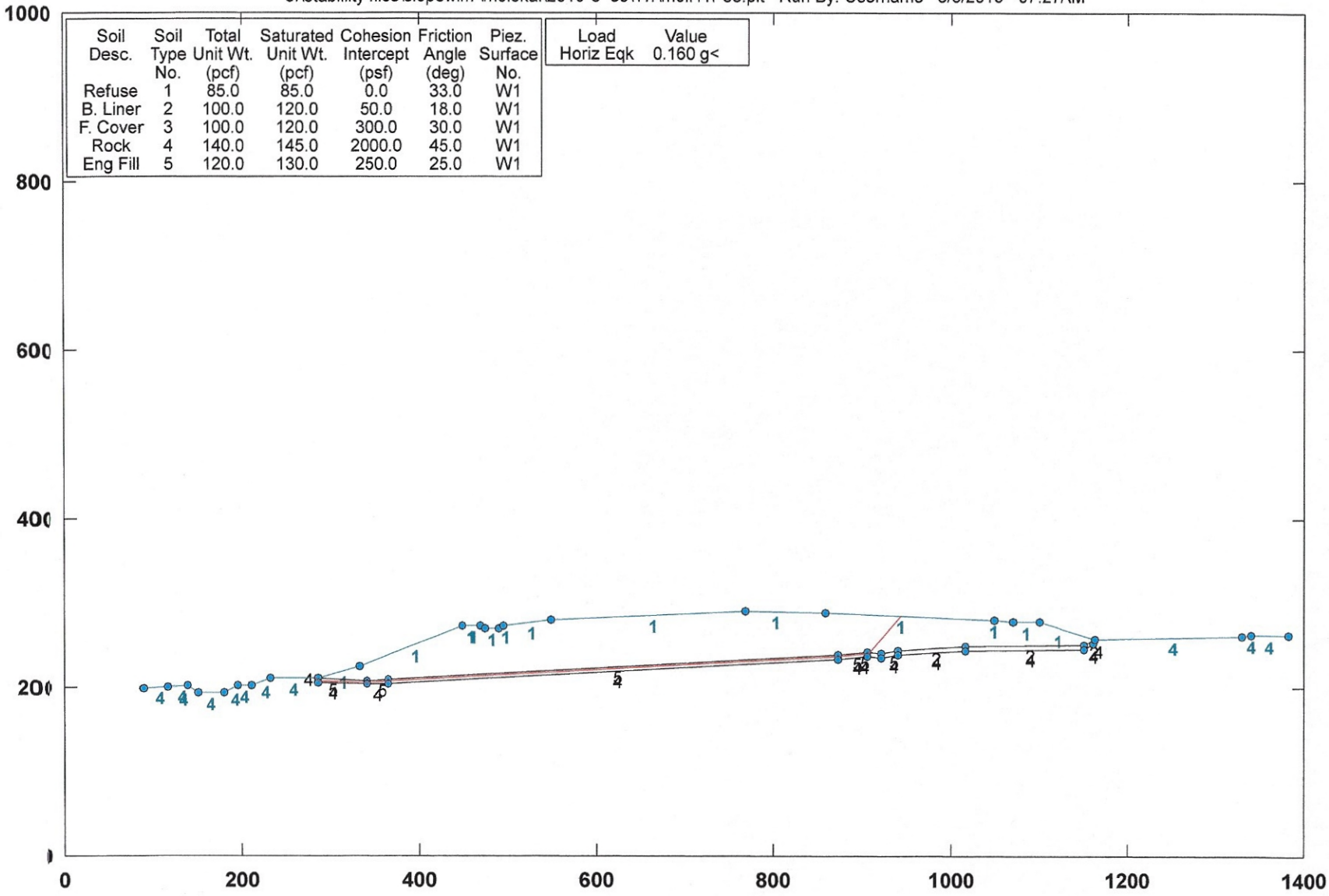


MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-5e.plt Run By: Username 5/6/2019 07:27AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

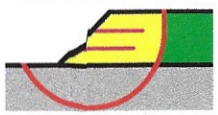
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.18

Factors of Safety Calculated by Janbu Method

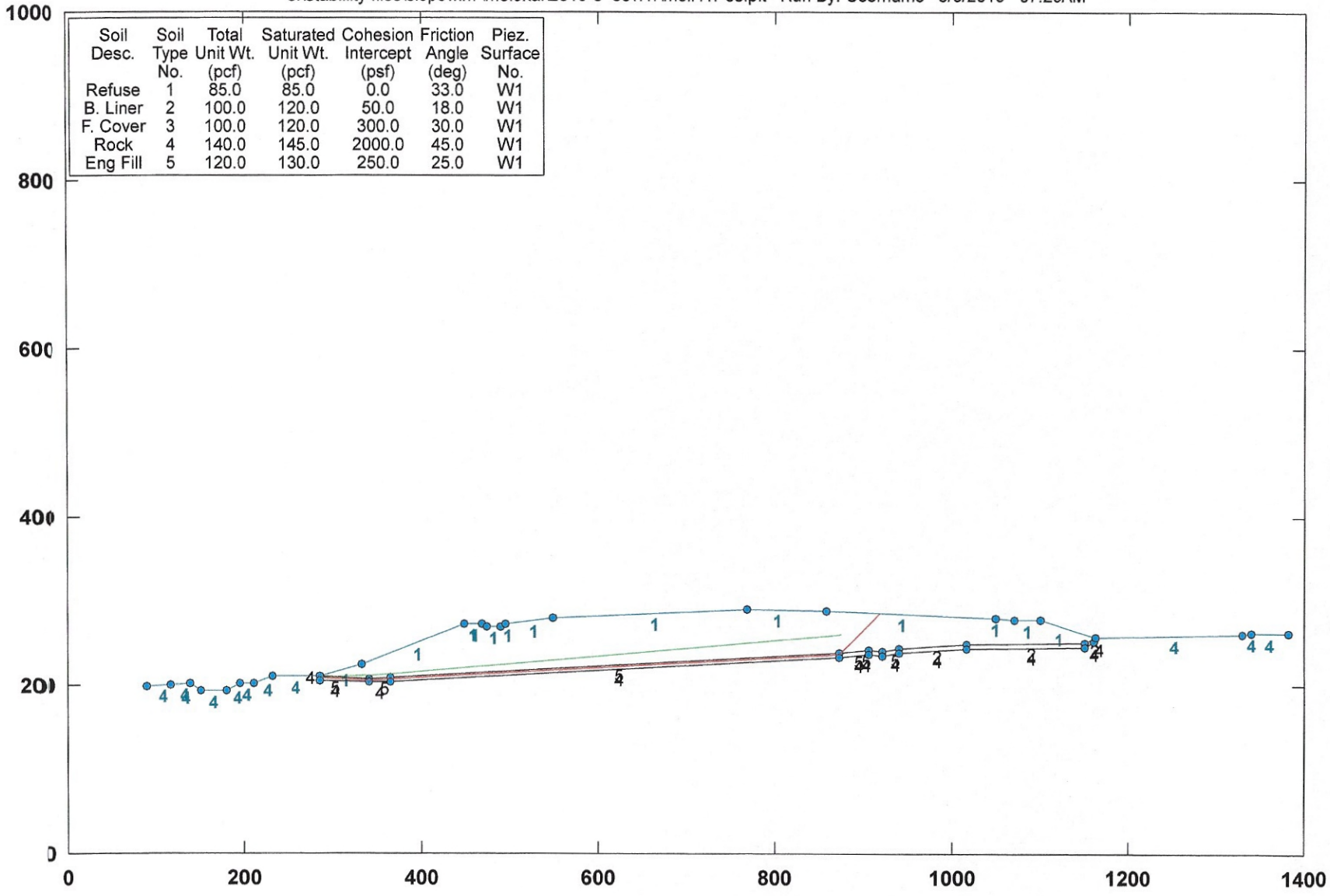
STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-6s.plt Run By: Username 5/6/2019 07:29AM

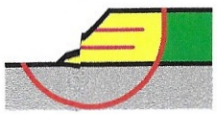
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=6.10

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

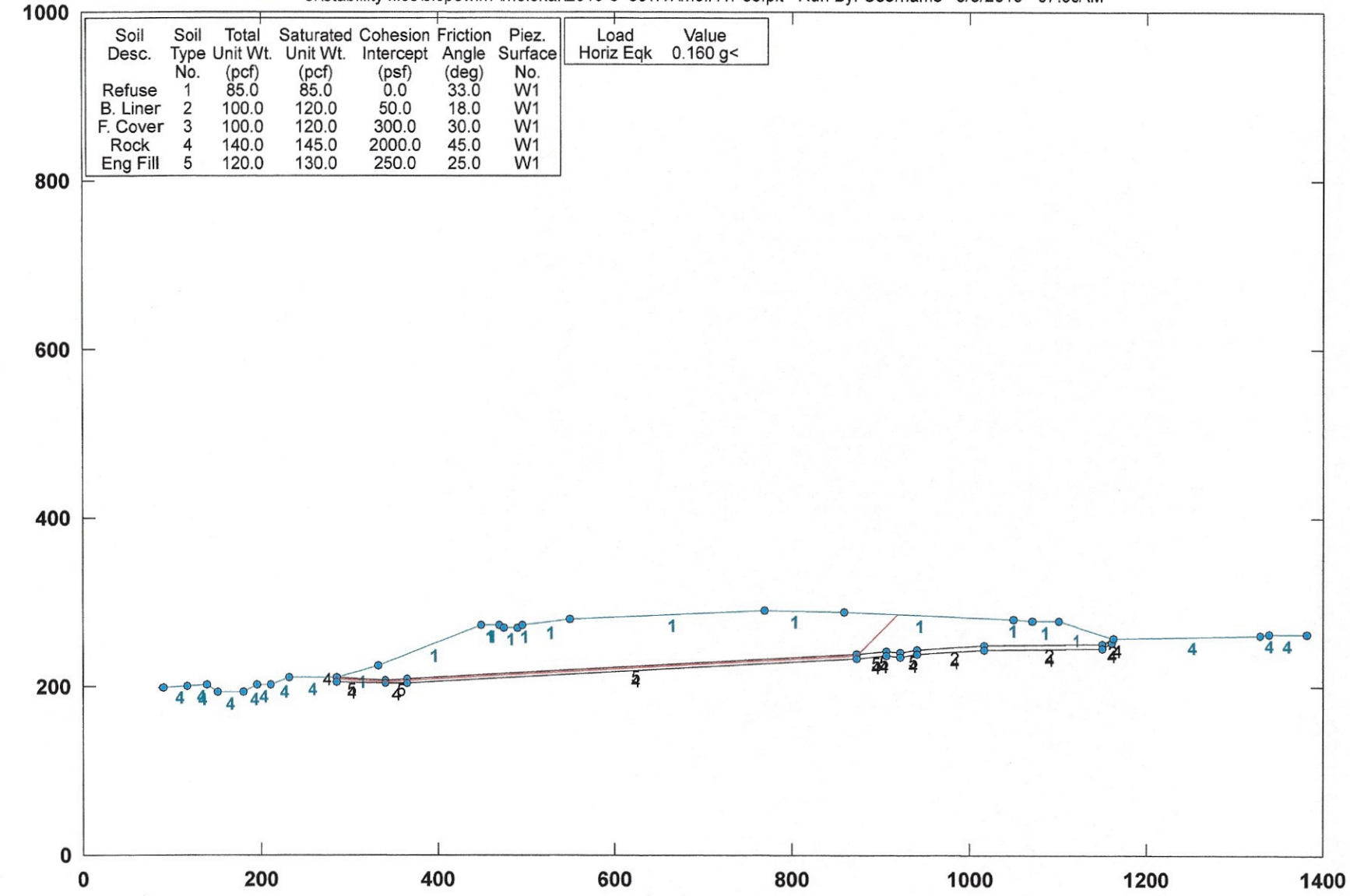


MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-6e.plt Run By: Username 5/6/2019 07:30AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

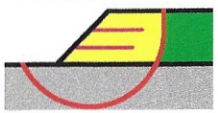
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.15

Factors of Safety Calculated by Janbu Method

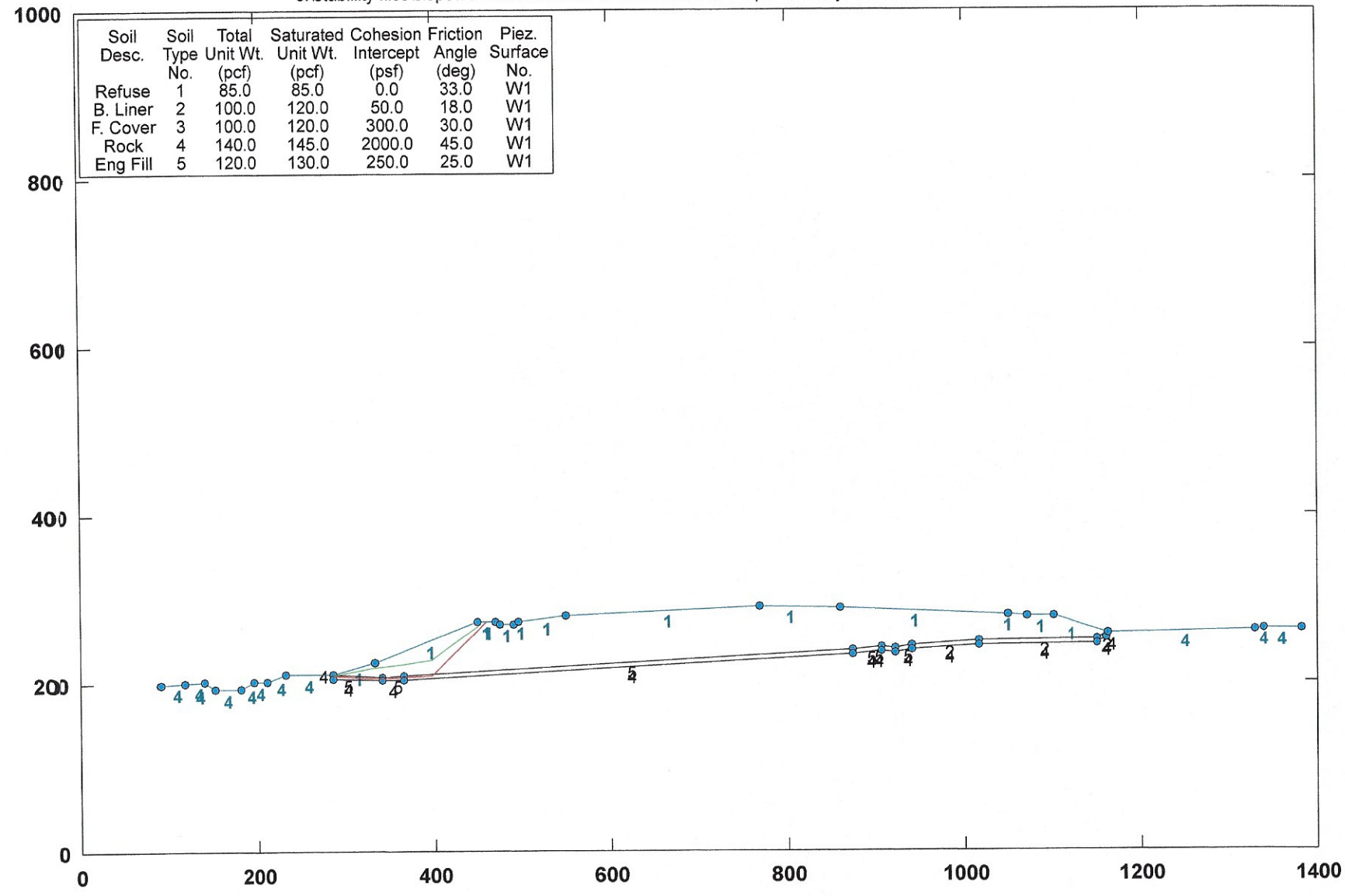
STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-7s.plt Run By: Username 5/6/2019 07:31AM

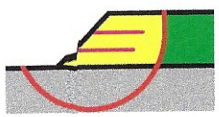
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.43

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

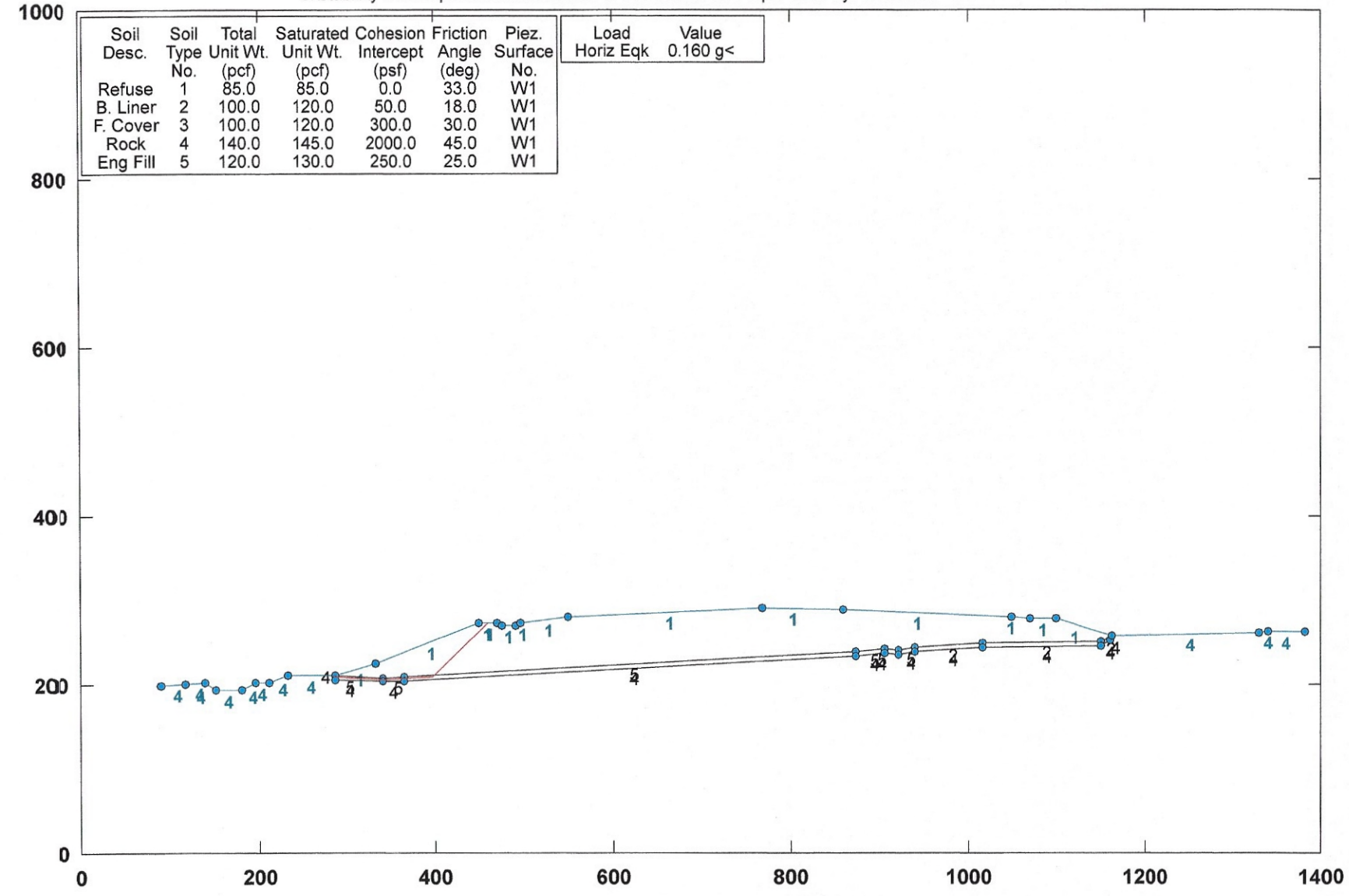


MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-7e.plt Run By: Username 5/6/2019 07:33AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

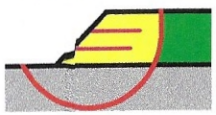
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.40

Factor Of Safety Is Calculated By Spencer`s Method of Slices

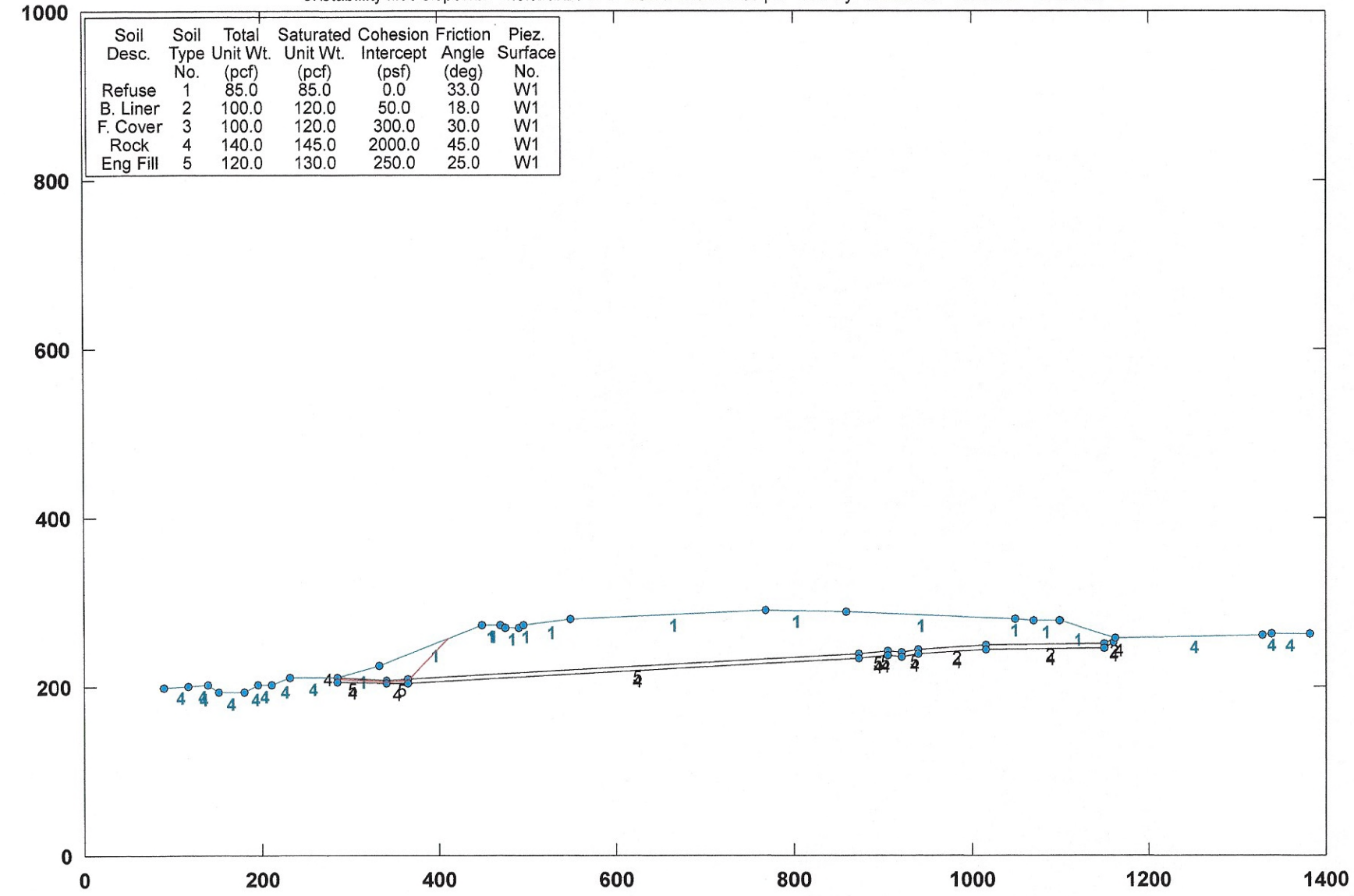
STED



MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-8s.plt Run By: Username 5/6/2019 07:38AM

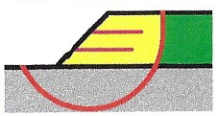
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.62

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

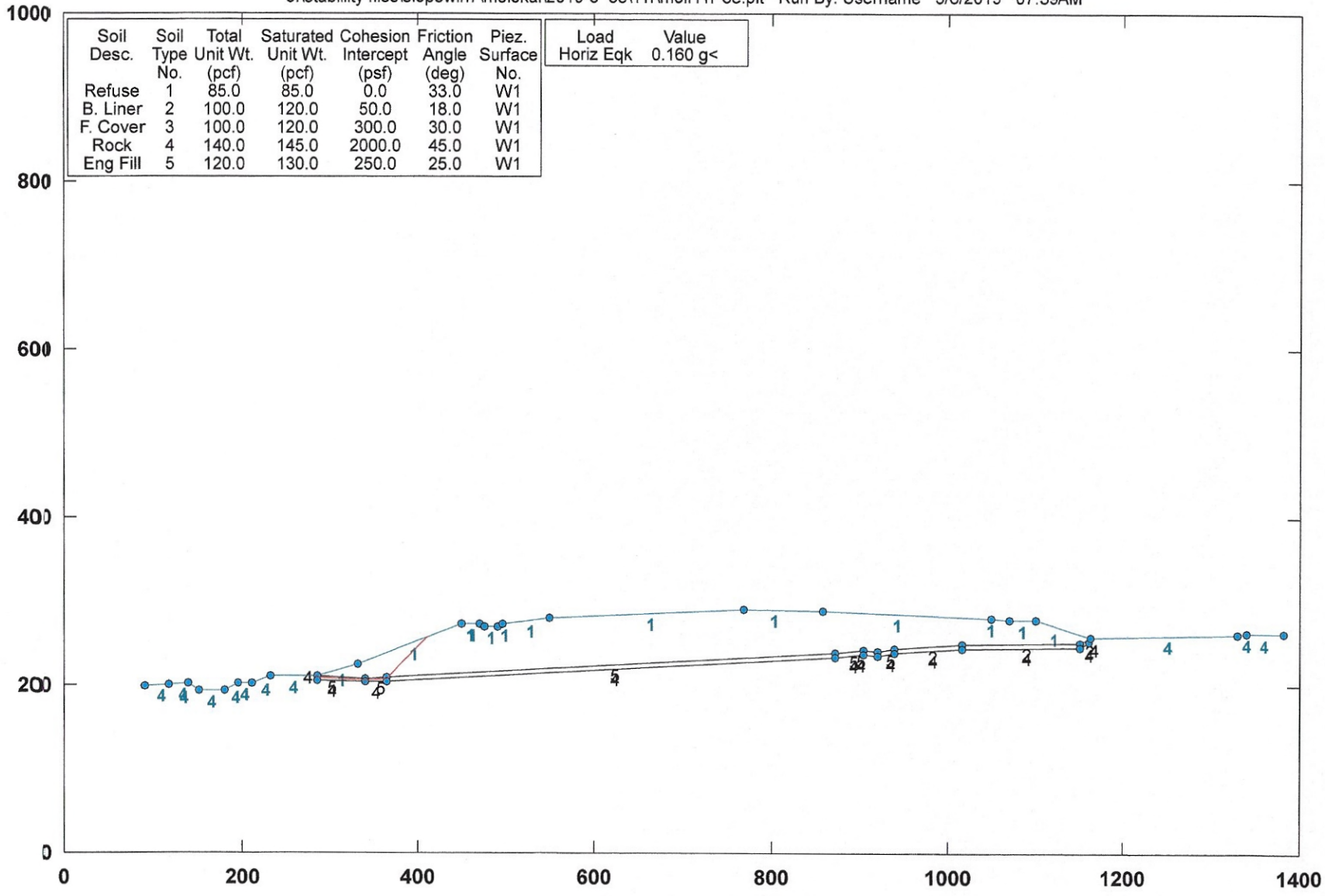


MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-8e.plt Run By: Username 5/6/2019 07:39AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

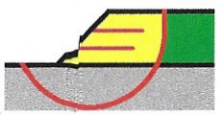
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.91

Factor Of Safety Is Calculated By The Modified Bishop Method

STED

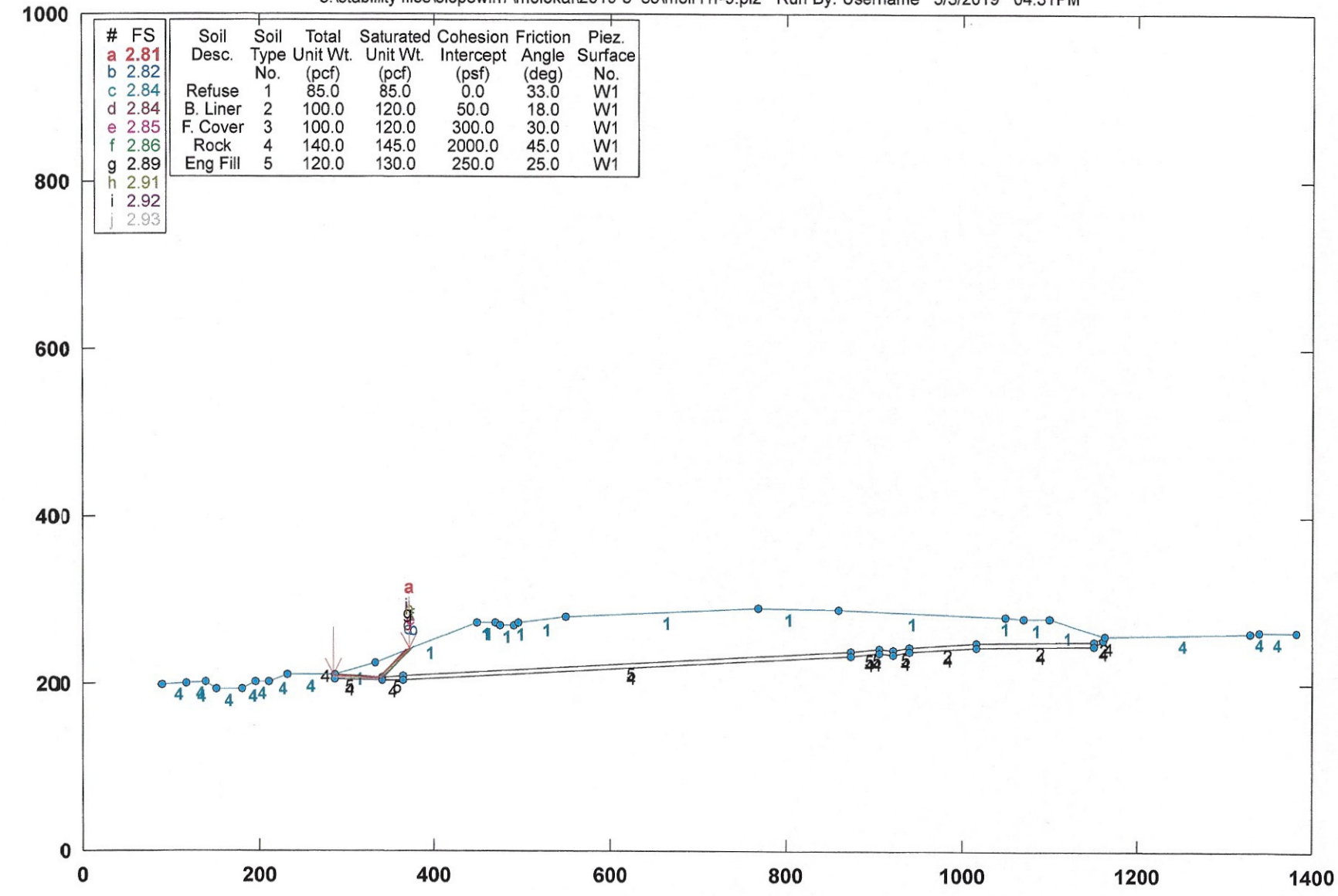


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\molf11r-9.pl2 Run By: Username 5/3/2019 04:31PM

#	FS
a	2.81
b	2.82
c	2.84
d	2.84
e	2.85
f	2.86
g	2.89
h	2.91
i	2.92
j	2.93

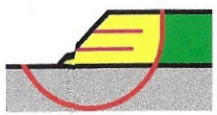
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.81

Safety Factors Are Calculated By The Modified Janbu Method

STED

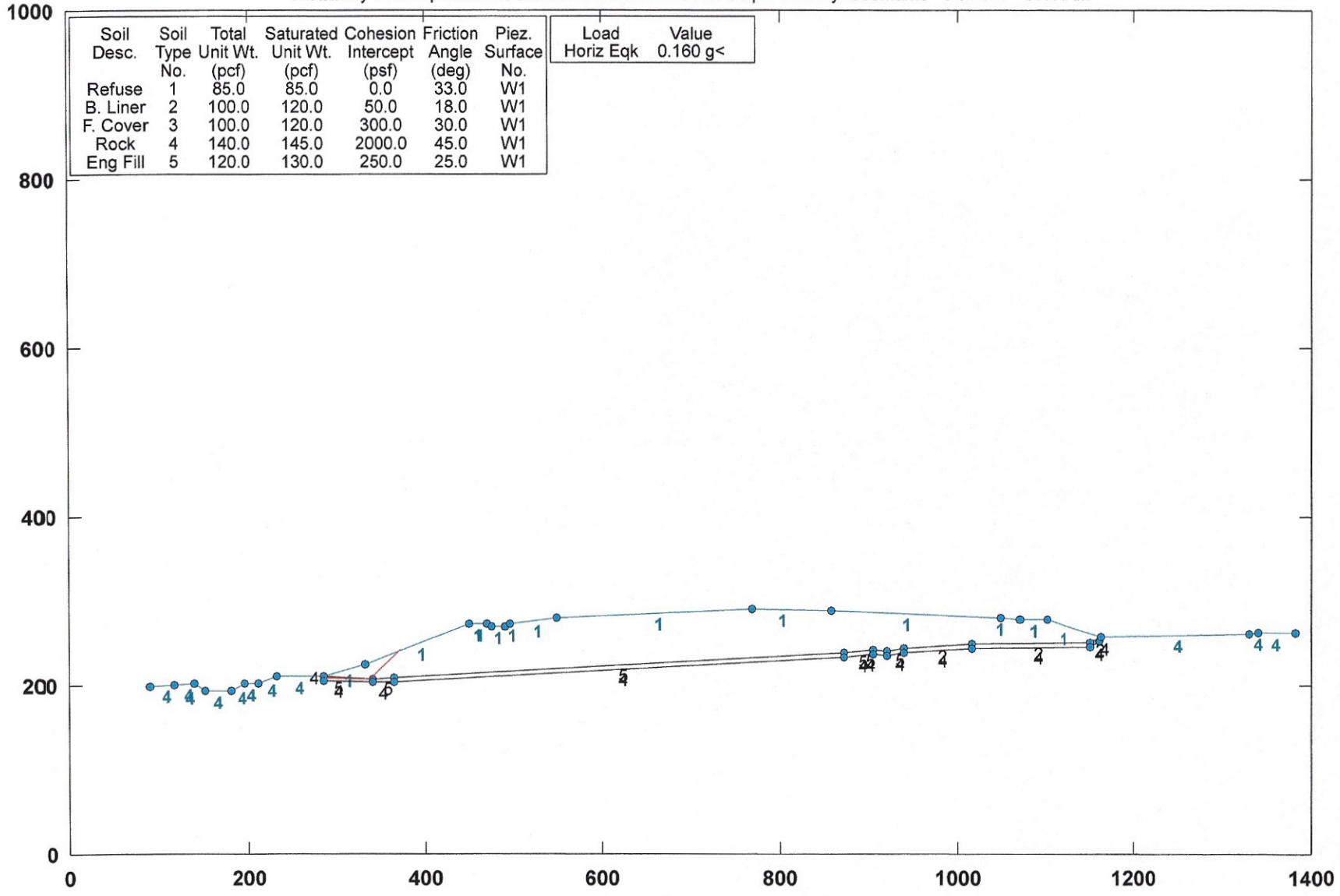


MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-9e.plt Run By: Username 5/6/2019 07:44AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

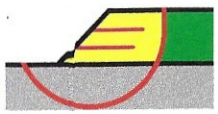
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.76

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

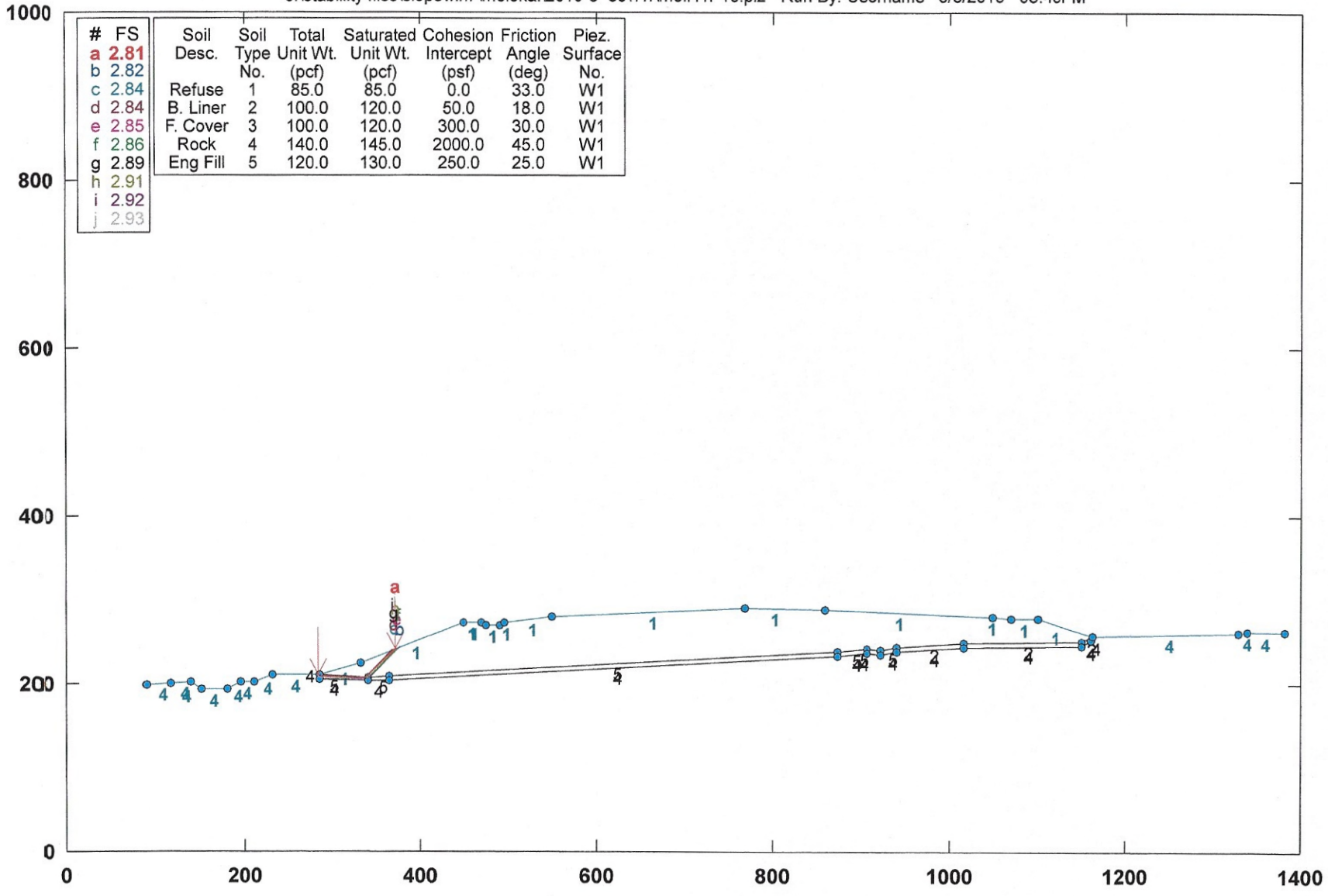


MOLF - Slope Stability Section 1-1 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-10.pl2 Run By: Username 5/3/2019 03:45PM

#	FS
a	2.81
b	2.82
c	2.84
d	2.84
e	2.85
f	2.86
g	2.89
h	2.91
i	2.92
j	2.93

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.81

Safety Factors Are Calculated By The Modified Janbu Method

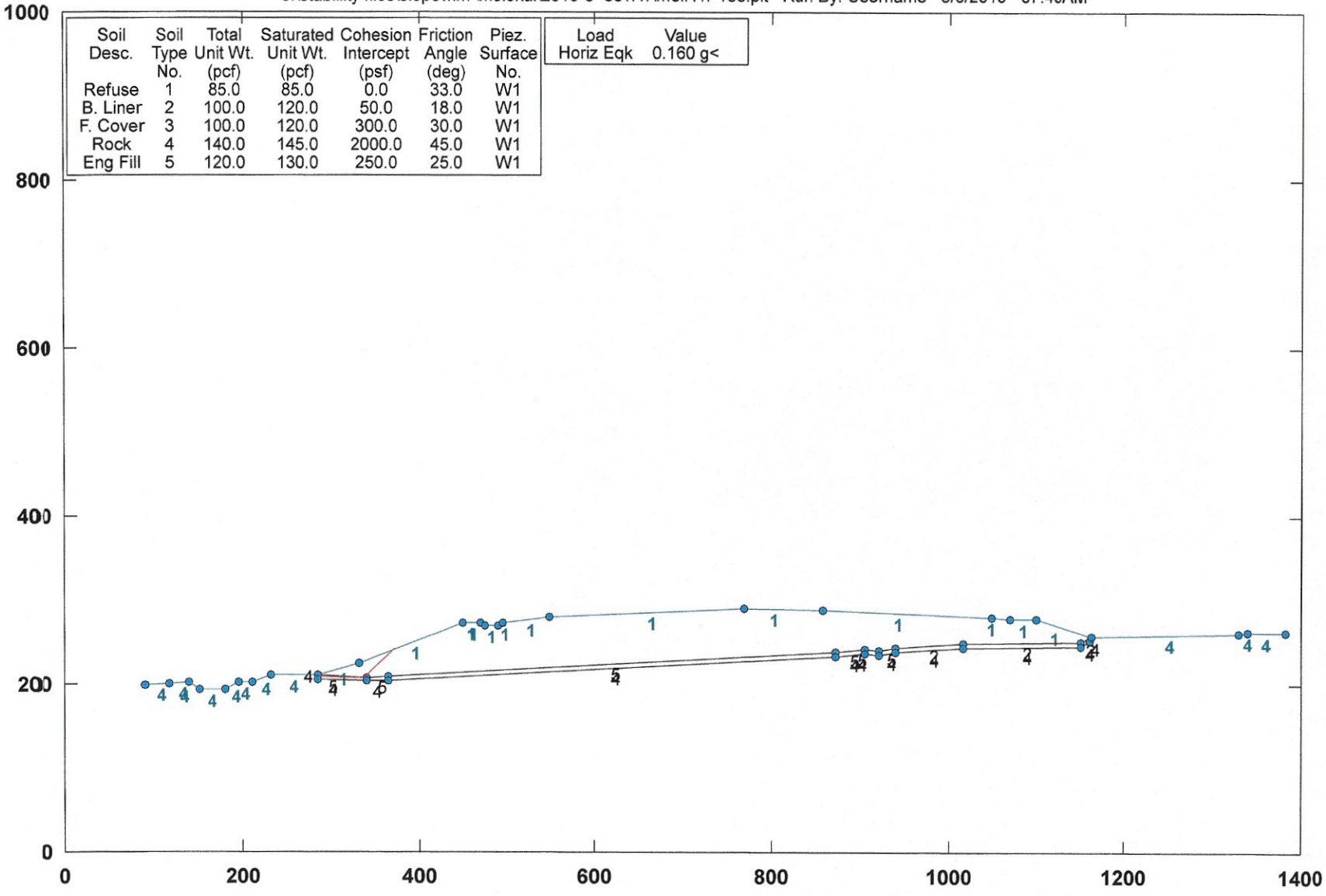
STED

MOLF - Slope Stability Section 1-1 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\11r\molf11r-10e.plt Run By: Username 5/6/2019 07:49AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

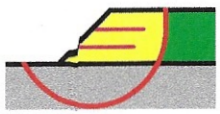
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.76

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

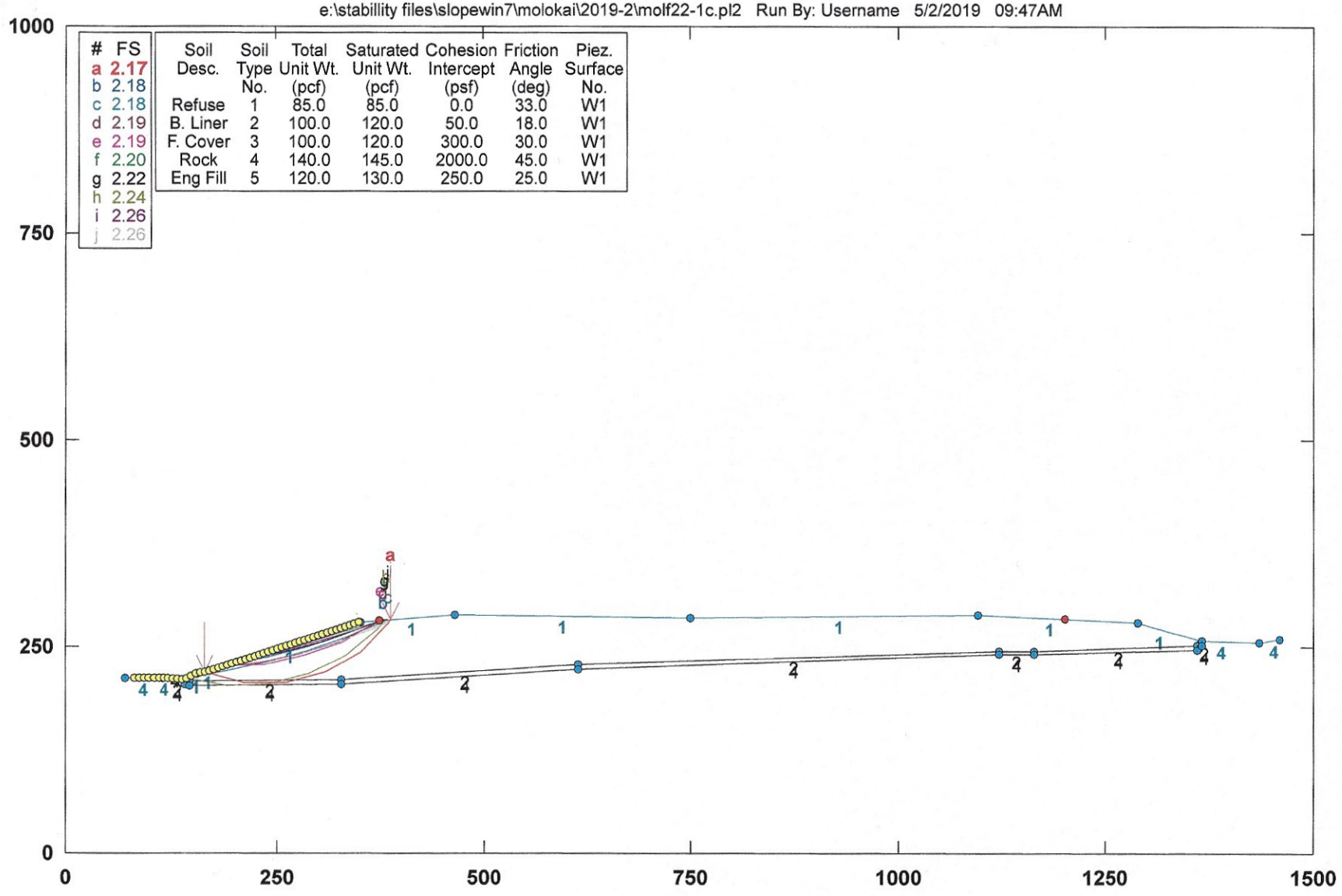


MOLF - Slope Stability Section 2-2 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-1c.pl2 Run By: Username 5/2/2019 09:47AM

#	FS
a	2.17
b	2.18
c	2.18
d	2.19
e	2.19
f	2.20
g	2.22
h	2.24
i	2.26
j	2.26

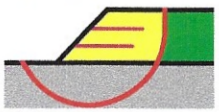
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.17

Safety Factors Are Calculated By The Modified Bishop Method

STED

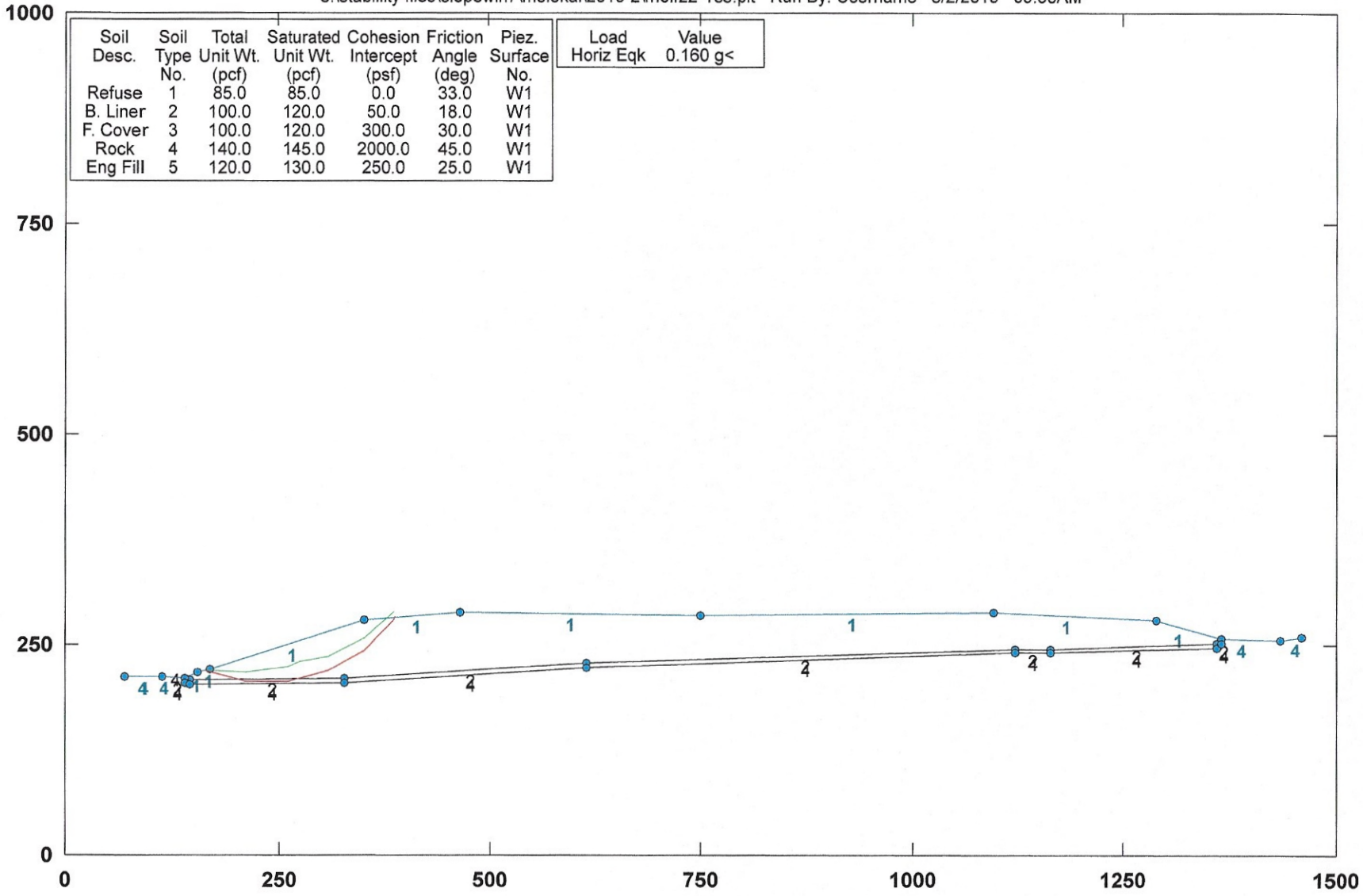


MOLF - Slope Stability Section 2-2 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-1ce.plt Run By: Username 5/2/2019 09:50AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

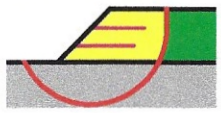
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.29

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

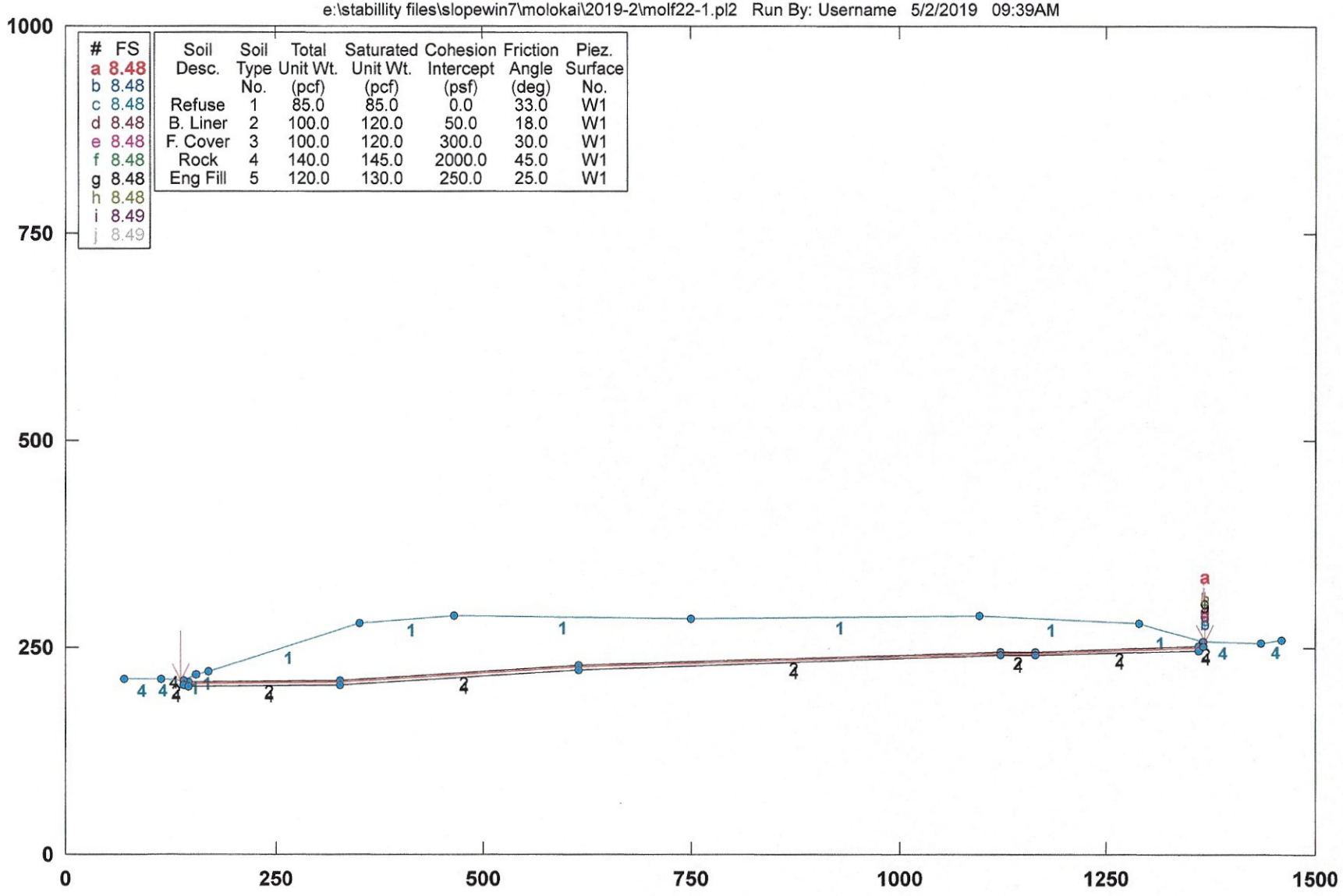


MOLF - Slope Stability Section 2-2 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-1.pl2 Run By: Username 5/2/2019 09:39AM

#	FS
a	8.48
b	8.48
c	8.48
d	8.48
e	8.48
f	8.48
g	8.48
h	8.48
i	8.49
j	8.49

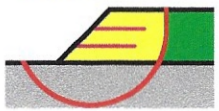
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=8.48

Safety Factors Are Calculated By The Modified Janbu Method

STED

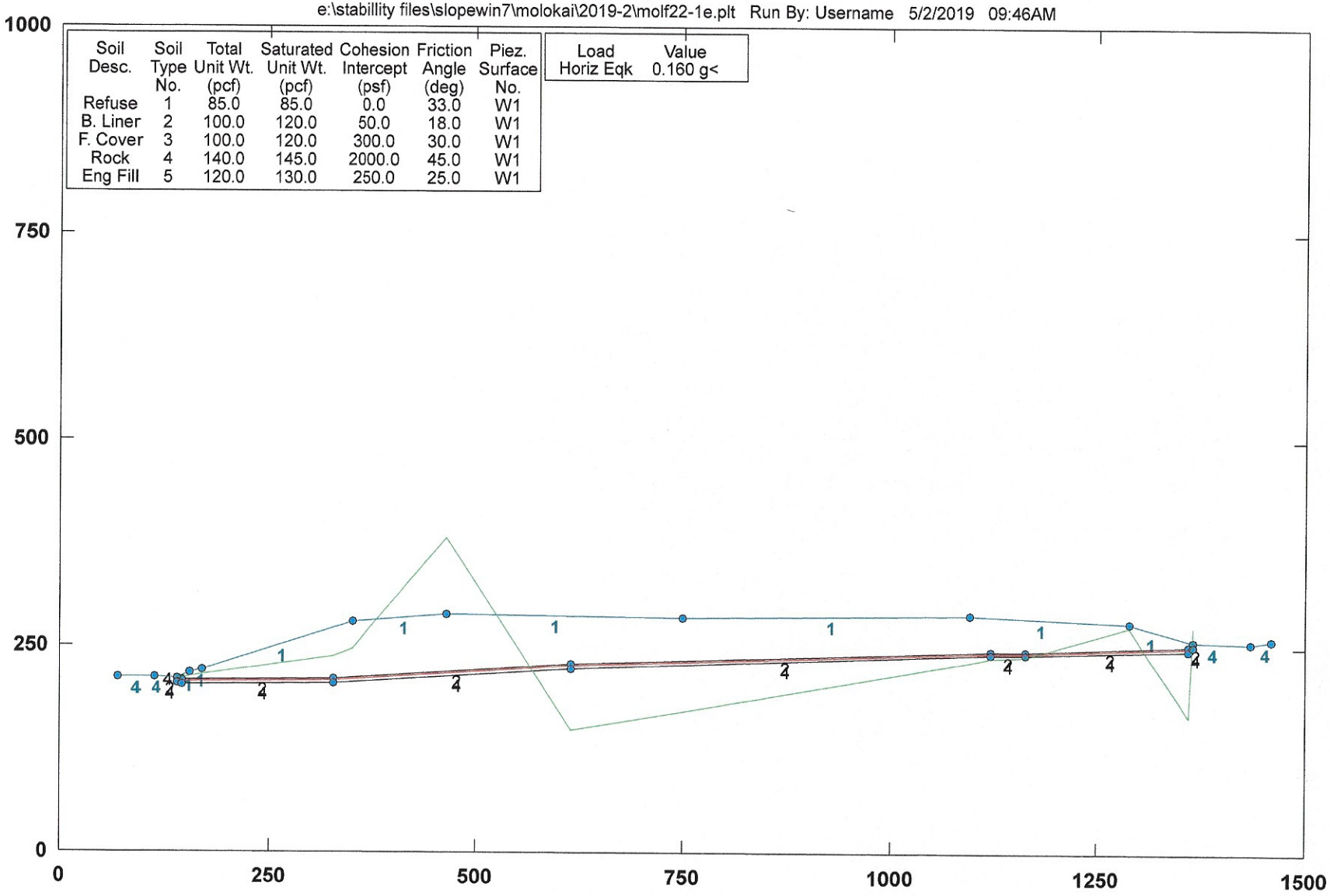


MOLF - Slope Stability Section 2-2 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-1e.plt Run By: Username 5/2/2019 09:46AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

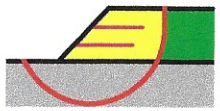
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.71

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

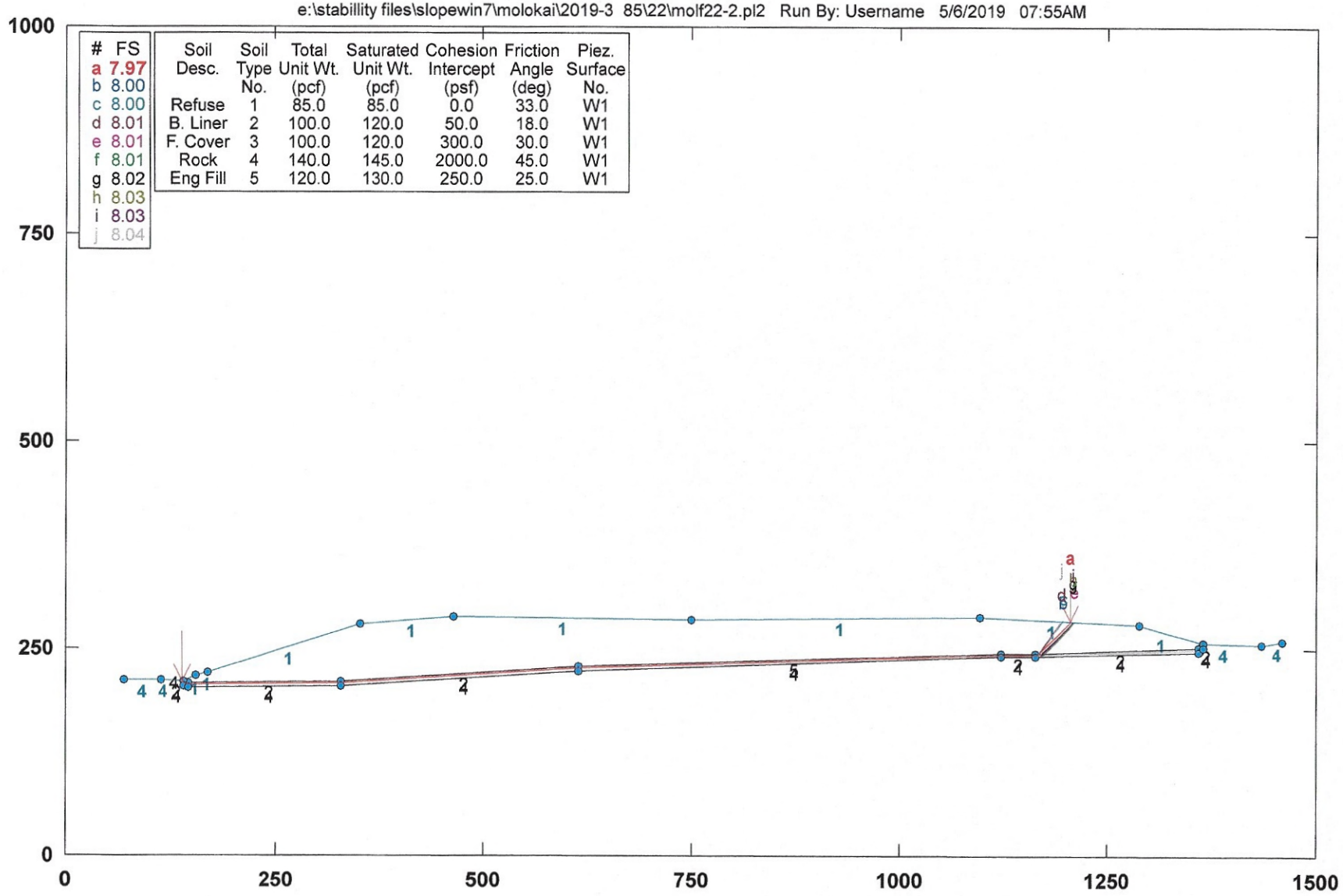


MOLF - Slope Stability Section 2-2 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\22\molf22-2.pl2 Run By: Username 5/6/2019 07:55AM

#	FS
a	7.97
b	8.00
c	8.00
d	8.01
e	8.01
f	8.01
g	8.02
h	8.03
i	8.03
j	8.04

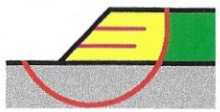
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=7.97

Safety Factors Are Calculated By The Modified Janbu Method

STED

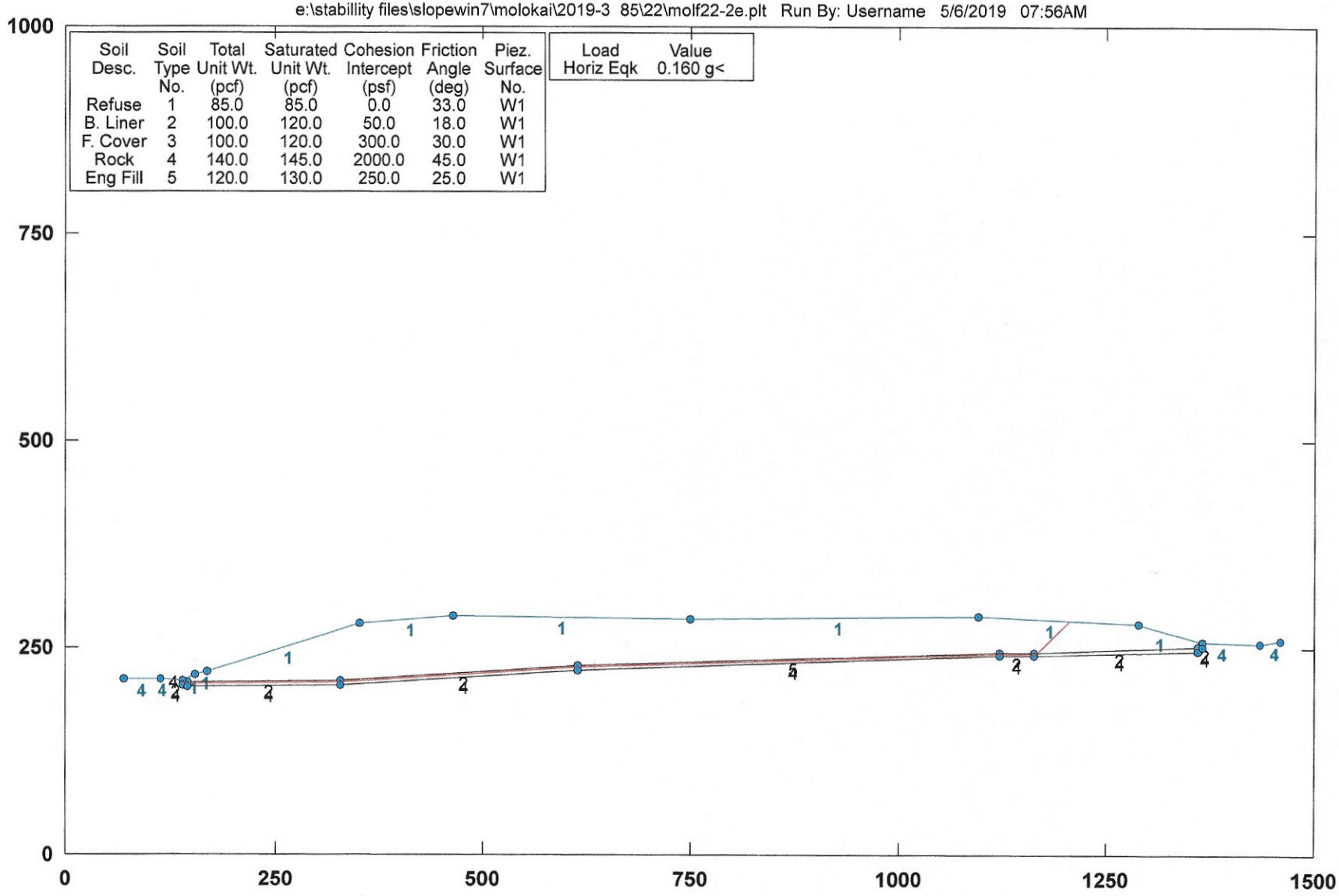


MOLF - Slope Stability Section 2-2 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\22\molf22-2e.plt Run By: Username 5/6/2019 07:56AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

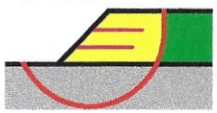
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.02

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

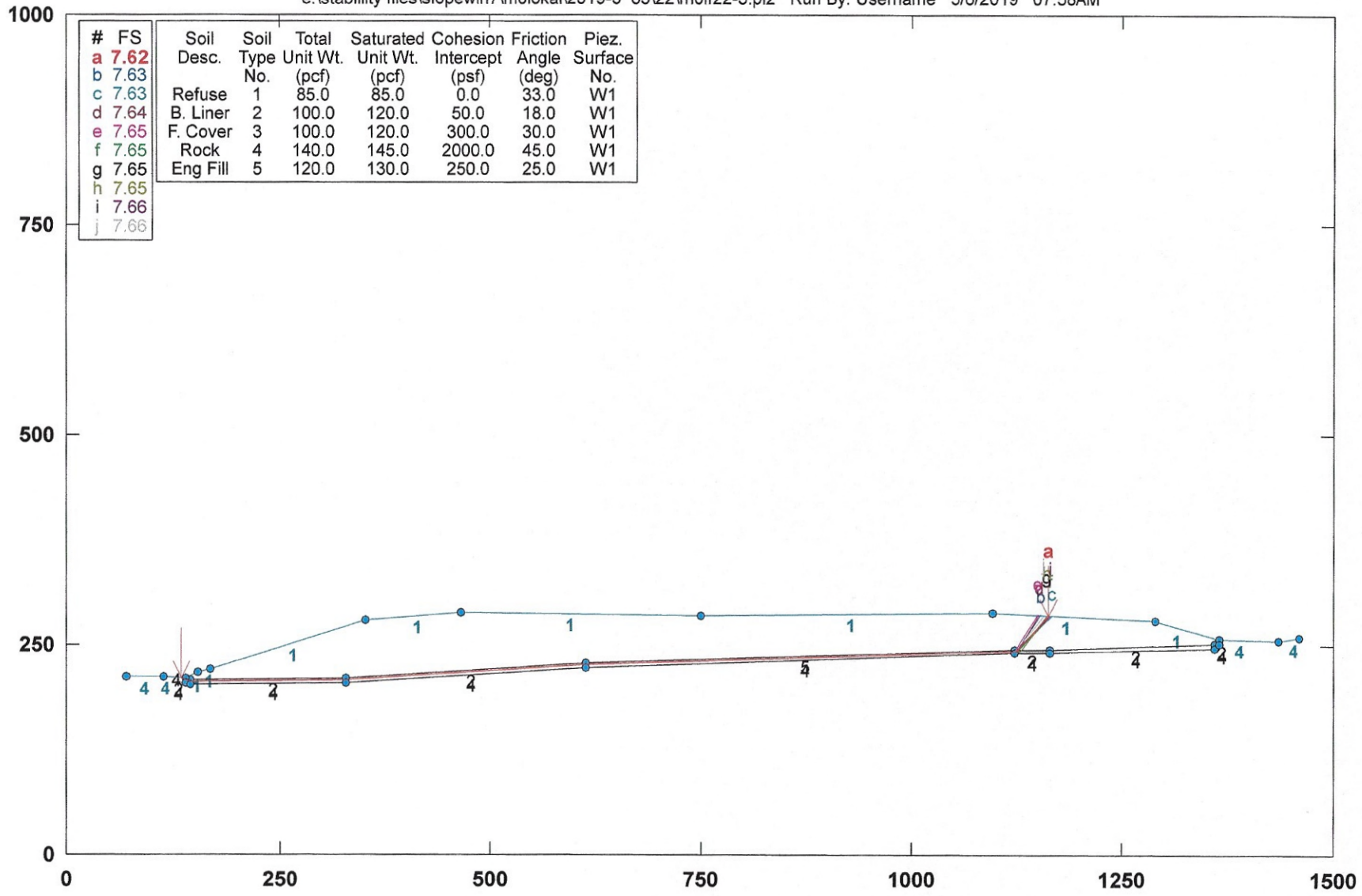


MOLF - Slope Stability Section 2-2 Static

e:\stabillity files\slopewin7\molokai\2019-3 85\22\molf22-3.pl2 Run By: Username 5/6/2019 07:58AM

#	FS
a	7.62
b	7.63
c	7.63
d	7.64
e	7.65
f	7.65
g	7.65
h	7.65
i	7.66
j	7.66

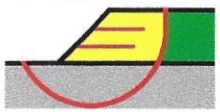
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=7.62

Safety Factors Are Calculated By The Modified Janbu Method

STED

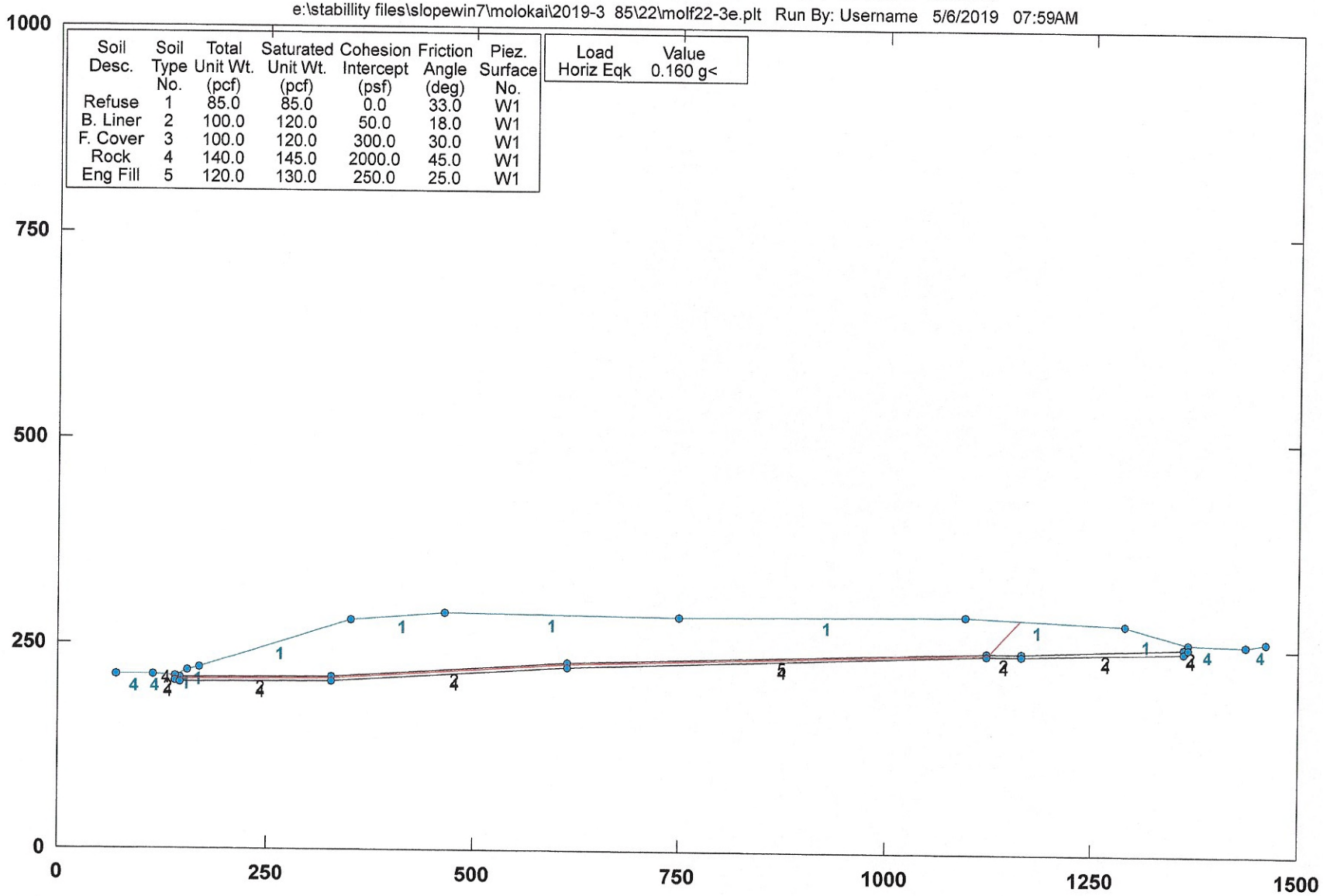


MOLF - Slope Stability Section 2-2 Pseudo-Static

e:\stabillity files\slopewin7\molokai\2019-3 85\22\molf22-3e.plt Run By: Username 5/6/2019 07:59AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

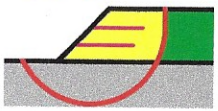
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=2.15

Factor Of Safety Is Calculated By Spencer`s Method of Slices

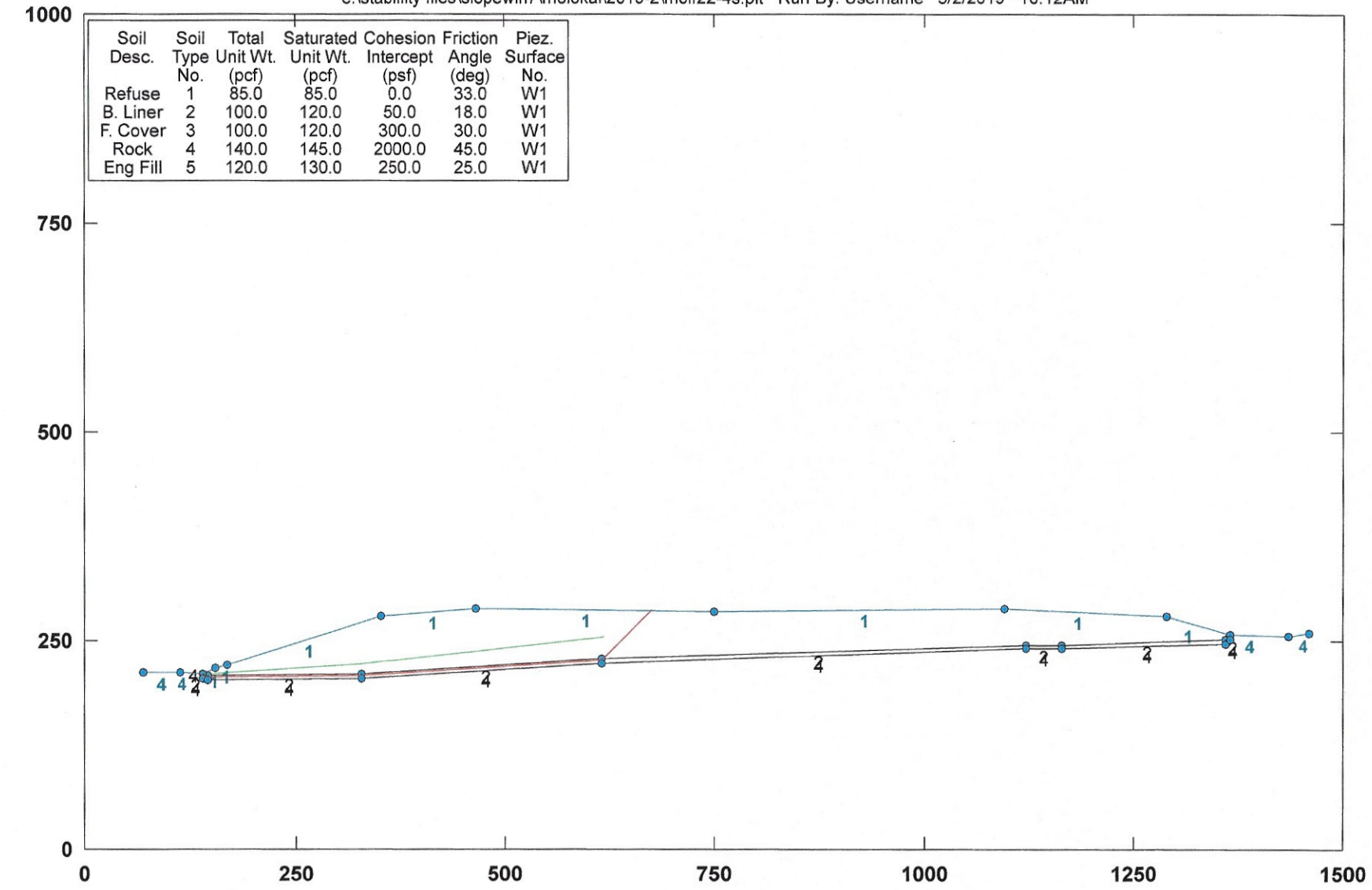
STED



MOLF - Slope Stability Section 2-2 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-4s.plt Run By: Username 5/2/2019 10:12AM

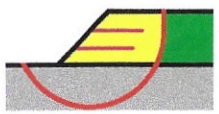
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=3.65

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

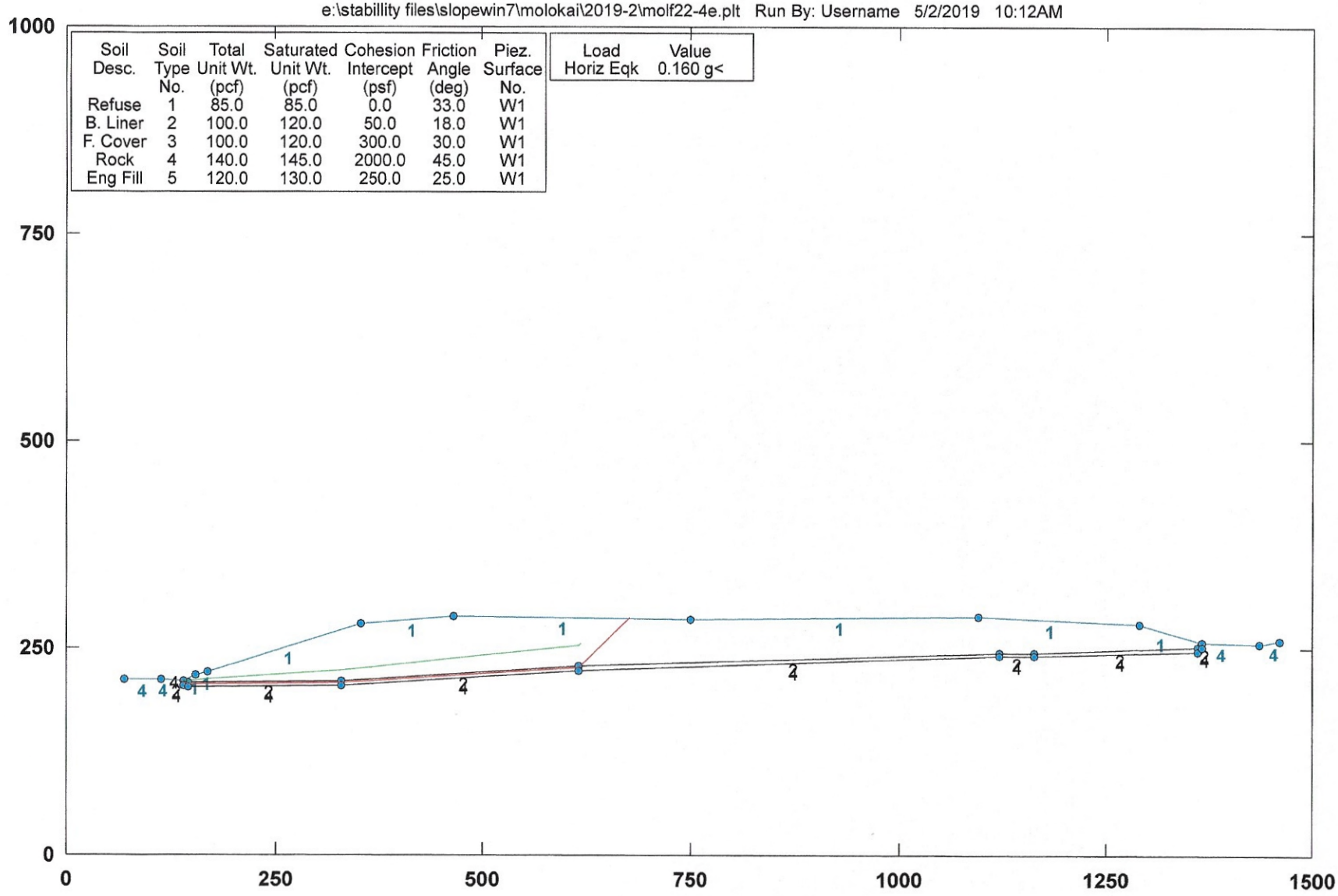


MOLF - Slope Stability Section 2-2 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-4e.plt Run By: Username 5/2/2019 10:12AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

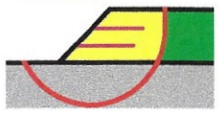
Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.41

Factor Of Safety Is Calculated By Spencer`s Method of Slices

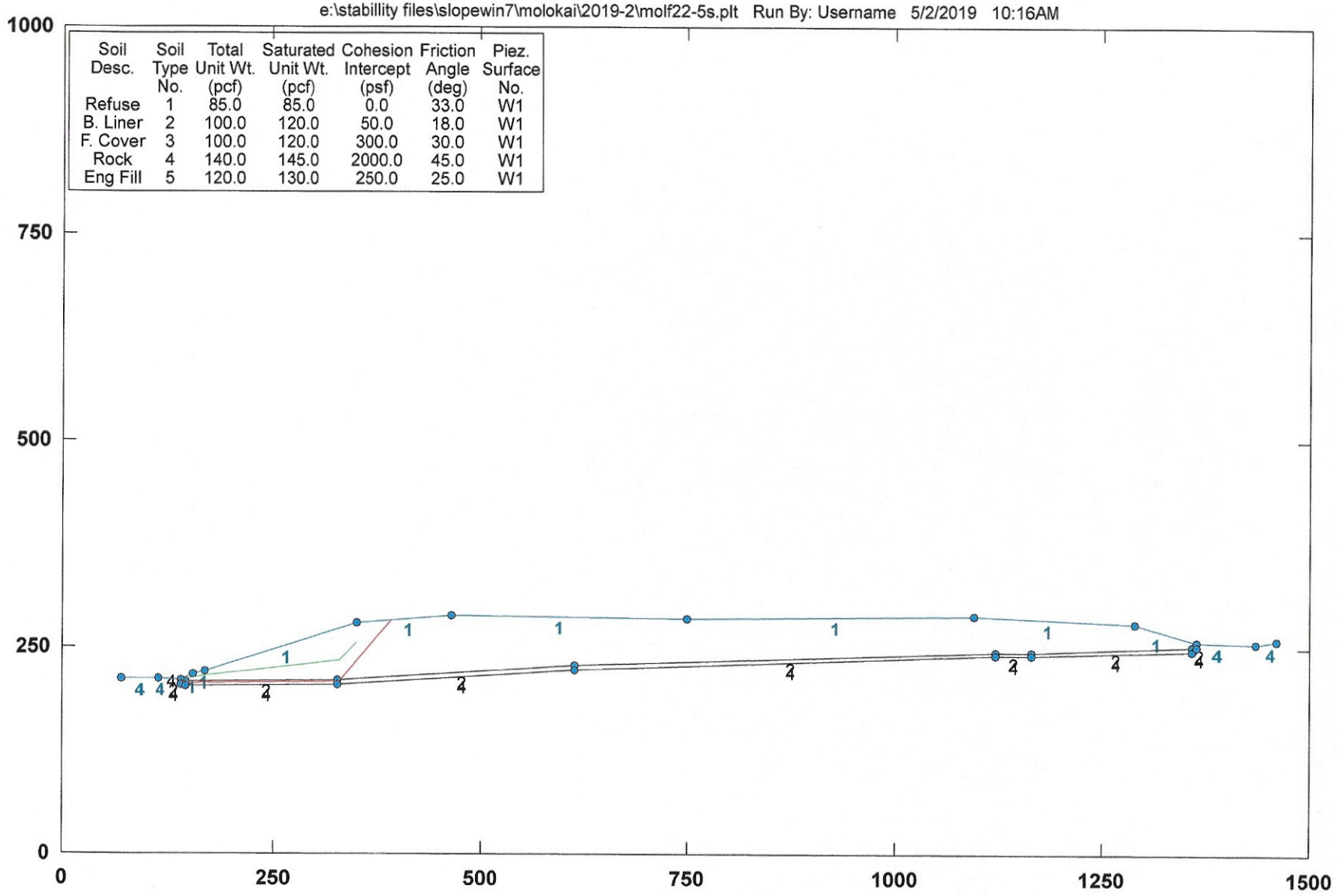
STED



MOLF - Slope Stability Section 2-2 Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-5s.plt Run By: Username 5/2/2019 10:16AM

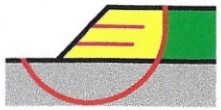
Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1



PCSTABL5M/si FSmin=2.16

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

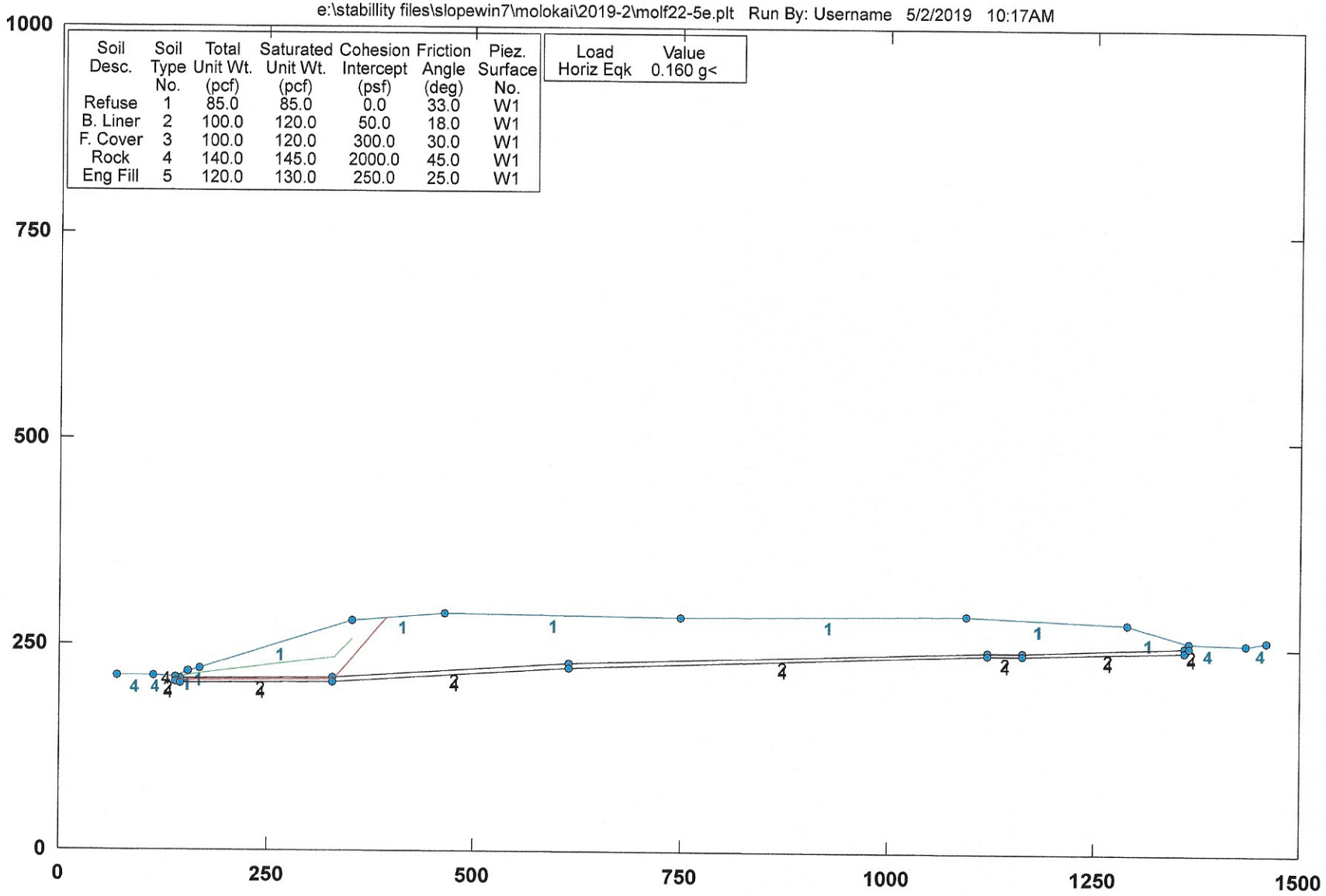


MOLF - Slope Stability Section 2-2 Pesudo-Static

e:\stabillity files\slopewin7\molokai\2019-2\molf22-5e.plt Run By: Username 5/2/2019 10:17AM

Soil Desc.	Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Piez. Surface No.
Refuse	1	85.0	85.0	0.0	33.0	W1
B. Liner	2	100.0	120.0	50.0	18.0	W1
F. Cover	3	100.0	120.0	300.0	30.0	W1
Rock	4	140.0	145.0	2000.0	45.0	W1
Eng Fill	5	120.0	130.0	250.0	25.0	W1

Load	Value
Horiz Eqk	0.160 g<



PCSTABL5M/si FSmin=1.37

Factor Of Safety Is Calculated By Spencer`s Method of Slices

STED

