SILICA BURN

	,	en e	The second secon						
Silica Fire Erosion Plot - Fransest #1 (Length - 42ft) Sept. 21, A80									
_	ć	COMPUTATION SPE	FT	13.40	. 1 2				
Startin			•••	10%	- Gran Rhodus.				
Sartiral (Starting at Wend, 54% slope, rocky cover 45% From Khodus. Phil McColley R. Robert								
Hug. 12,	1780- Idin stor	m.	····•		R. Roberts				
RII#	Distance.	Width(in)	Depth (in.)	Area (sq. in.	Shape (DYU)				
1.									
1	2.4	0.75	0.5	0.38	Ш				
2	2.6	0.75	0.5	0.38	•				
3	3.7	0.25	0.5	0.13	"				
4	40	1.0	0.5	0.50					
5	2.6	2.0	0.75	150	a l				
.6	5.8	4.0	1.75	7.0					
.7	7.1	1.5	0.75	1.13	**				
8	8.9	2.25	0.75	1.69					
9	9.4	3.0	1.0	3.0					
10	9.9	2.0	0.25	0.50					
//	11.3	2.0	0.75	1.5					
13	//.8	2.75	0.5	1.38					
/3	12.4	1.25	1.0	1.25					
14	13.6	3.50	1.0	315	M				
15	14.6	1.0	0.25	0.25					
16	16.0	1.0	1.0	1.0					
17	19.0	4.0	1.25	5.0					
18	21.3	1.0	0.5	0.5					
19	24.1	0.5	025	0.13	<i>II</i>				
20	25.5	2.25	1.25	2.81					
21	26.6	1.5	0.5	0.75					
22	27.2	1.5	0.5	0.75					
23	28.1	2.0	0.5	1.0					
24	29.2	1.5	0.25	0.38					
25	29.7	2.0	0.5	1.0					
26	30.6	1.0	0.5	0.5					
27	31.1	2.5	0.5	1.25	,,				
28	32.6	2.0	1.5	1.5	•				
29	33.7	3.5	0.5	1.75	-				
30	34.6	3.0	0.5	1.5					
31	37.6	2.25	0.75	1.69	11				
37	38.2	1.5	1.0	1.5	7169 71 (7:79)				

tire Erosion Mot - Transmit #1

COMPT	JIA	HQN	2H1:	Ŀ Ĺ

				!	And of put dates
B11#	Distance.	Width (n.)	Death (in.)	Area (sq in.)	Shoe (OYU)
				0	
33	39.6	3.5	0.25	0.88	<i>U</i>
34	40.1	2.5	0.75	1.88	
35	40.6	2.5	1.0	2.5	4
36	41.0	0.15	1.0	0.75	
37	. #.2	1.75	0.75	1.31	
		72"		54 42 in 2	
				3	= 18.14 tons/Acre
:		42ft =504"			
•	·	12" = 1	4 X 100 = 14	of dred effec	ted
. :	·	504 "		10 0.00	

Silica Fire Erosion	Pot - Transe	ct #2 (Leno	thuaft)	Sept. 21, 1980
				1 2

COMPUTATION STEET

Starting at E. end, 63% Slope, 45% rocky area light burn, due South aspect.

o Slope, 45% rocky area P. McColley it burn, due South aspect.

R. Roberts

Silica Fire Erosion Plot - Transact #2

COMPUTATION SHEET

page of	
2	2
*APR TELL	

					(Intest of day)
Rill#	@ Distance	Width (in.)	Depthin	Area (Sq in) Shope (AVII)
33 34 35 31 37 38 39 40	33.4 34.1 35.7 36.6 37.5 38.1 38.7 39.9	6.0 3.5 7.0 8.0 3.5 2.5 8.0 25.0	0.5 0.25 0.5 1.0 0.5 0.75 0.75	3.0 0.88 3.5 8.0 1.25 1.88 6.0 75.0	LI u
		275" 42ft = 504"	.55 X /00 =	374.41 ₁ ,	12 = 124.8 tons/Acre.

Silica Fire Erosion Plot - Transect #3 (Length-42ft) Sept. 21, 1980

Running from 1 5E > N.W. Slopes 530/0 Elevation 2,830 NNE aspect.

P. McColley

	1 5 / 1				deated and days
Ril#	CH Bram Bipul	Width (in.)	Depth (in.)	Arca (Sqin.)	Shape (OVL)
· [/	4.8	11.0	0.5	5.5	ロー
2	7.4	7.0	0.5	3.5	,,
3	8.6	3.5	0.25	0.88	
· +	12.6	4.0	0.5	2.0	n
5	13.9	5.0	0.75	3.75	
6	14.7	2.5	0.25	0.63	a
7	15.4	2.0	0.5	1.0	d
8	15.7	3.0	0.5	1.5	
9	17.0	3.0	0.5	1.5	
B	17.4	6.0	0.75	4.5	
.//	18:0	2.0	0.25	0.5	
12	18.3	5.0	0.5	2.5	į.
13	19.5	2.0	0.5	1.0	•
14	P.8	3.5	0.5	1.75	H
15	208	4.0	0.25	1.0	
16	21.8	13.0	1.00	13.0	N
17	23.8	5.0	1.00	5.0	
18	25.0	1.5	0.5	0.75	•
19	25.6	1.0	0.75	0.38	V
20	26.3	3.5	0.25	0.88	П
21	27.1	2.5	0.5	1.25	
22	27.8	1.5	0.25	0.38	4
23	31.5	4.0	0.5	2.0	
24	33.3	1.0	0.5	0.5	•
25	33.7	4.0	0.75	3.0	u ·
26	34.7	1.5	0.5	0.75	н
27	36.0	1.0	0.75	0.75	
28	36.9	4.0	0.75	3.0	
29	37.5	22.0	1.0	22.0	
30	39.6	4.5	0.5	2.25	•
	Note: mps	t sheet en	sion across	X-Sections)

Silica Fire Erosion Plot - Transect #3 - Page 2

COMPUTATION SHEET

					the red	ind date)
Ril#	(Ft from #1pin)	Width(in)	Depth (in.)	Ares (5 n.)	Shape GIV	u)
31	40.0	7.0	0.5	3.5	П	
32	40.7	5.0	0.5	2.5	•	
33	41.7	3.0	0.5	1.5		
		148.5		94.90 =	31.63 tons	Acre
•		12ft = 504"		3		
ŧ		148.5 =	.29x /00 = 29	% area eff	ceted	

174.51 = 58.19 ton/Acre over. loss

Silica Fire Erosion Plot - Control (Unburned)

Aspect SSE (162°), Trunsect bearing 440, Slope 41%

Gran Rhodus

Sept. 26, 1980

Phil McColle

R11 #	(H. from #1 Pm	Width (in.)	Depth (in)	Area (Sq. In)	Share (DVU)
				D	
1	8.1	2.5	0.12	0.3	U
2	10.3	1.0	0.12	0.12	w
3	18.1	1.0	0.25	0.25	
4	18.7	1.5	0.12	0.18	•
5	20.1	4.0	0.12	0.48	i i i i
6	22.5	20	0.12	0.24	u
7	29.3	2.0	0.75	1.5	"
8	32.5	1.0	0.12	0.12	
9	34.3	5.0	0.12	0.60	
10	37.5	2.0	0.12	0.24	44
11	39.9	3.0	0.12	0.36	#
12	41.0	1.0	0.12	0.12	#
13	41.5	25	0.12	0.30	"

(2.375ft)

4.8/ in? = 1.60 tons/Acre

2.375 = .057 × 100 = 5.70% area effected