FACTOR: SOIL ERODIBILITY (F

LEGEND:	S	2.0	LS	3.0	SL	4.0	Si	4.5	SCL	5.0
numerical dig	SiCL	5.5	L	6.0	CL	6.5	С	7.0	HC	7.5

LEGEND:	S	2.0	LS	3.0	SL	4.0	Si	4.5
numerical dig	SiCL	5.5	L	6.0	CL	6.5	С	7.0
		I	_=SC,S	iC				

COODINATE SHOWN BELOW REPRESENTS THE NORTH-WEST CORNER OF THE SQUARE AREA SECTION

	COOL			***************************************																					
COORDIN. VERTICAL	9	6	9	97	HORIZ 9		L 9	COOD 9		0	r	1		2		HORIZ 3		L 1	COOD	INATE		5	1 2	,	<u>-</u>
								4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.5	6.0	6.0	6.0		5.5	5.0	5.0
92								4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.5	6.0	6.0	6.0	5.5	5.5	5.0	5.0
01								4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	4.5	4.5	5.0	5.5	5.5	5.5	5.5	5.5	5.0	5.0
91								4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	4.5	4.5
90								4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	4.5	4.5	5.0	5.0	5.0	5.0	5.0	4.5	4.5
90								3.5	4.0	3.5	4.0	4.0	4.0	4.0	10.0	10.0	4.0	4.0	4.5	4.5	4.5	4.5	4.0	4.0	4.0
89	-						3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	10.0	10.0	4.0	4.0	4.5	4.5	4.5	4.0	4.0	4.0	4.0
, 0)							3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
88						3.5	3.0	3.0	3.5	3.5	3.5	3.5	3.5	3.5	10.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	10.0	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0
87		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0
	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5	3.5	3.0	3.5	4.0	4.0	4.0	4.0
86	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0
	3.0	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85	3.0	3.0	2.5	2.5	2.5	2.5	10,0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	3.0	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3,5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
84	3.0	2.5	2.0	2.0	2.0	2.5	10,0	10.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	3.0	2.5	2.0	2.0	2.0	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0
83		2.0	2.5	2.0	2.0	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0
			3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0
82				2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0
				3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0
81				3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.5	4.5	5.0	5.0	4.5	5.0	5.0	4.5	4.5	4.5	4.5	4.5	4.5
	ļ			3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.5	4.5	5.0	5.0	5.0	5.0	5.0	4.5	4.5	5.0	5.0	5.0	5.0
80						3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.5	4.5	5.0	10.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.5	5.5
	-						3.0	3.0	3.5	3.5	4.0	4.5	5.0	5.0	10.0	5.5	5.5	5.0	5.5	5.0	5.0	5.0	5.0	5.5	5.5
79								3.5	4.0	4.0	4.5	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.0	5.0	5.0	5.5	5.5	5.5
	-								4.5	4.5	5.0	5.5	5.5	5.5	5.5	6.0	6.0	5.5	5.5	5.5	5.5	5.0	5.5	5.5	5.5
78	-											5.5	5.5	5.5	5.5	6.0	6.0	5.5	6.0	5.5	5.5	5.0	5.0	5.0	5.5
												5.5	5.5	5.5	6.0	6.0	6.0	6.0	6.0	5.5	5.5	5.0	5.0	5.0	5.5
77														5.5	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.0	4.5	5.0	5.5
																6.0	6.0	6.0	6.0	6.0	5.5	4.5	4.5	5.0	5.5
76																6.0	6.0	6.0	6.0	5.5	5.0	4.0	4.5	5.0	5.5
																6.0	6.0	6.0	5.5	5.0	4.5	4.0	4.5	5.0	5.5
75																6.0	6.0	5.5	5.0	4.5	4.0	4.0	4.5	5.0	6.0
																\dashv	5.5	5.0	4.5	4.0	4.0	4.0	6.0	5.0	6.0
74																		4.5	4.0	3.5	3.5	4.0		5.0	6.0
																	5.0	4.0	3.5	3.0	3.5	4.0	4.5	5.0	6.0
73																5.0	4.5	4.0	3.5	3.5	3.5	4.0	5.0	5.5	6.0
															5.5	5.0	4.5	4.5	4.0	4.0	4.0	4.5	5.0	5.5	6.0
72	\vdash													5.5	5.5	5.0	5.0	4.5	4.5	4.5	4.5	5.0	5.5	6.0	6.0
													6.0	5.5	5.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.5	5.5	5.5
71	\Box												6.0	6.0	6.0	5.5	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5

ļ , <u>,</u>		 	 		r	 															
								6.0	6.0	6.0	6.0	5.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0	5.5	5.5
70								6.0	6.0	6.0	6.0	6.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5
						·	6.0	6.0	6.0	6.0	6.0	6.0	5.5	6.0	6.5	6.5	6.5	6.5	6.5	6.0	5.5
69							6.0	6.0	6.0	6.5	6.5	6.0	6.0	6.5	6.5	7.0	7.0	7.0	6.5	6.0	6.0
							6.0	6.0	6.0	6.5	6.5	6.0	6.0	6.0	6.0	7.0	7.0	7.0	7.0	6.5	6.0
68						6.0	6.0	6.5	6.5	7.0	7.0	6.5	6.0	6.0	5.5	6.5	6.0	7.0	7.0	6.5	6.0
00						6.0	6.0	6.5	6.5	7.0	7.0	6.5	6.0	5.5	5.0	6.0	6.0	7.0	7.0	6.5	6.0
47						7.0	7.0	7.0	7.0	7.0	7.0	6.0	5.5	5.0	4.5	5.0	6.0	7.0	7.0	6.5	6.0
67											7.0	6.5	6.0	5.0	4.0	5.0	6.0	7.0	7.0	6.5	6.0
																				6.5	6.0
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SCL 5.0

LEGEND:	S	2.0	LS	3.0	SL	4.0	Si	4.5	SCL	5.0
numerical dig	SiCL	5.5	L	6.0	CL	6.5	С	7.0	HC	7.5
			1 - 00 0							

LEGEND:	S	2.0	LS	3.0	SL
numerical dig	SiCL	5.5	L	6.0	CL
			T=SCS	10	

	HORIZ	ONTA	T	COOL	INATE							HORI	ZONTA	L	COOL	INATE	3						HORE	ZONTA	L	COOL
3	9)	1	.0	1	1	1	.2	1	3	1	.4	1	5	1	.6	1	.7	1	.8		19	2	20	2	21
4.5	V																				-					
4.0	4.0																									
4.0	4.0																									
4.0	4.0	4.0	4.0																							
4.0	4.0	4.0	4.0	4.0																						
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4.0	4.0	4.0	4.0	4.0	4.0																					
4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0																	
4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0																	
4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	3.5											-	-			
4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	3.5	3.5		2.5	2.5											
4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5		3.5	3.5	3.5										
3.5	3.5	3.5	3.5	4.0	4.0	4.0		4.0	4.0	4.0	3.5	3.5		3.0	3.0	3.5	4.0									
3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5		3.0	3.0	4.0	4.5	5.0								
3.5	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5		3.0	4.0	4.5	5.0	5.5								
3.5	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.0	3.0	4.0	5.0	5.5	6.0	6.0	6.0	5.5					
3.5	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.5	3.5	4.5	5.5	6.0	6.5	6.5	6.0	5.5	5.0	4.5	4.0		
3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.5	3.5	4.5	5.5	6.0	6.5	6.0	6.0	5.0	5.0	4.0	4.0		
4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.5	3.5	4.5	5.0	5.5	6.0	5.5	6.0	4.5	4.0				
4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	4.0	4.5	5.0	5.5	5.0	5.0	10.0	3.0				
5.0	5.0	5.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	4.5	4.5	4.0	3.0	10.0	3.0	5.0	
5.5	5.0	5.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.0	4.0	10.0	10.0	10.0	3.0	3.0	
5.5	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	3.5			3.0	3.0	3.0
5.5	5.5	5.5	10.0	5.5	5.0	4.5	4.5	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5			3.0	3.0	3.0
5.5 5.5	5.5	5.5 5.5	5.5	5.5	5.5 5.0	5.0 4.5	4.5	4.0	4.0	4.0 4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0	3.0	2.0	10.0	3.0
5.5	5.5	5.5		5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5		3.0	3.0	3.0	3.0 4.0
5.5	5.5	5.5		5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0		3.0	3.5	4.0	4.5
5.5	5.5	5.5		4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0			3.5	4.0	4.5	4.5
5.5	5.5	5.5		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.5	5.0	5.0
6.0	5.5	5.5	5.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	5.0	5.5	5.5
6.0	5.5	5.5	5.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.0	5.0	5.5	6.0	6.0
6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.5	5.5	6.0	6.0	6.0
6.0	6.0	6.0	6.0	5.0	5.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.0	5.5	5.5	6.0	6.0	6.0	6.0
6.0	6.0	6.0	6.0	5.5	5.5	5.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.5	5.5	5.5	5.5	6.0	6.0	6.0	6.0
6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
6.0	6.0	5.5	5.5	6.0	6.0	5.5	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
6.0	5.5	5.5	5.5	5.5	5.5	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5.5	5.5	5.5	5.0	5.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0		4.5	4.5	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5.5	5.5	5.5	5.0	5.0	4.5	4.5	4.0	4.0	5,5	5.0	4.5	4.0	4.5	4.5	4.5	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5

					I				********																	
5.5	5.5	5.5	5.5	5.0	4.5	4.5	4.5	4.5	6.0	5.5	5.0	4.5	5.0	5.0	4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5.5	5.5	5.5	5.0	5.0	4.5	5.0	5.0	5.0	5.5	6.0	5.5	4.5	5.0	5.0	5.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.5
6.0	6.0	5.5	5.0	4.5	4.0	4.5	5.5	5.5	5.5	6.0	6.0	5.0	5.5	5.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.0
6.0	6.0	5.5	5.0	4.5	4.0	4.5	5.5	6.0	6.0	6.0	6.0	5.5	5.5	5.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	4.5
6.0	6.0	5.5	5.0	4.5	4.0	4.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5	6.5	6.0	6.0	5.0	4.5
6.0	6.0	5.5	5.0	4.5	4.0	4.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5	6.5	6.5	6.0	6.0	5.5	5.0
6.0	6.0	5.5	5.0	4.5	4.0	4.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5	7.0	7.0	6.5	6.0	6.0	6.0	5.5
6.0	6.0	5.5	5.0	4.5	4.0	4.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	6.5	6.0	6.0	6.0	6.0
6.0	6.0	5.5	5.0	4.5	11.0	4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5	6.5	6.0	6.0	7.0	7.0	6.5	6.0	6.0	6.0	5.5
6.0	6.0	5.5	5.0	4.5	11.0	4.0	4.5	5.0	5.5	6.0	6.0	6.0	5.5	5.5	6.0	7.0	6.5	6.5	6.0	6.5	6.5	6.0	6.0	6.0	6.0	5.0
6.0	6.0	5.5	5.0	4.5	11.0	11.0	4.0	4.5	5.0	6.0	5.5	5.5	5.0	5.0	6.0	7.0	7.0	6.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0
6.0				4.5	4.0	4.0	4.0	4.0	4.5	5.5	5.0	5.0	5.0	5.0	6.0	7.0	7.0	6.5	6.0	6.0	5.5	5.5	5.5	5.5	6.0	5.0
					4.0	4.0	4.0	4.0	4.0	5.0	4.5	4.5	4.5	5.0	6.0	7.0	7.0	6.5	6.0	6.0	5.0	5.0	5.0	5.0	5.5	5.0
								4.0	4.0	4.5	4.0	4.0	4.0	4.5	5.5	6.0	6.5	6.0	5.5	5.0	4.0	4.0	4.5	5.0	5.0	4.5
								4.0	4.0	4.0	4.0	3.5	3.0	4.0	5.0	5.5	6.0	5.5	4.5	3.5	3.0	3.0	4.0	4.5	5.0	4.5
												4.0	3.5	3.5	4.5	5.0	5.5	5.0	4.0	3.0	4.0			4.0	4.5	4.0
												4.0	4.0	4.0	4.0	4.5	5.0	5.0	4.0	3.0				4.0	4.0	4.0
																		4.5	4.0					4.0	4.0	4.5
																		4.0	4.0			10.0	4.5	4.0	4.0	5.0
																		4.0	4.0		10,0	4.0	4.0	4.0	4.0	4.5
																		4.0			10.0	10.0	4.0	4.0	4.0	4.5
																		4.0			10,0	10.0			4.0	5.0
																		4.0	4.0			10.0			4.0	5.0
																		4.0	4.0			10.0				5.0
																		4.0	4.0		10.0	10.0	10.0	10.0		5.5
																							10.0	10.0		6.0
																									10.0	10.0
																									10.0	10.0
																									10,0	
																						4.0			10.0	
																						4.0			10.0	
																									10.0	
																								4.0	10.0	
																								4.0	4.0	4.0
																								4.0	4.0	4.0
																								4.0	4.0	4.0
																			!			1				

4.0	Si	4.5	SCL	5.0
6.5	С	7.0	HC	7.5



NATE							ZONTA			INATE						HORE				DINATI		COORDIN.
22	<u>'.</u>	2	3	2	4	 2	25	20	0	 2	7	1 - 2	28	 - 2	9	1 3	80	 - 	31	 	32	VERTICAL
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																	4.0					84
															4.0		4.0	5.0				
							4.0	4.0	4.0	4.0	4.0		6.0	4.0	4.0		4.0	5.0				83
							4.0	4.0	4.0	4.0	4.0						4.0	• •		4.0		82
_						4.0	4.0	4.0	4.0	4.0	4.0			4.0		- •	4.0			4.0		
					4.0	4.0	4.0	4.0	4.0	4.0	4.0			4.0	4.0		3.5					81
	- 0			4.5	4.5	4.0	4.0	4.0	4.0	4.0	10.0	34	5.0		4.5	4.0	4.0					
**	8.0		5.0	4.5 5.0	4.5 5.0	4.5	4.0	4.0	4.0	4.5 5.0	5.0	10:0 6.0	5.5 6.0	5.0	4.5 5.0	4.5 5.0	4.5 5.0					80
6.0	6.0	4.5	5.0	5.0	5.0	5.0	4.5	4.0	4.5	5.0	5.5	6.0	6.0		5.5	5.5	5.5	4.0				
8.0	4.5	5.0	5.5	5.5	5.5	5.5	5.0	4.5	5.0	*******		6.0	6.0	6.0	6.0		6.0					79
4.0	4.5	5.0	5.5	6.0	6.0	5.5	5.5	5.0	5.5	10,0	6.0	6.0	6.0	6.0	6.0	6.0	5.5					78
4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.0	40		- 64		,,
5.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0					77
4.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0					
5.0	6.0	6.0	6.0	6.0	6.0	6.0		6.0	6.0	6.0	6.0				6.0	4.5	4.5		annaa			76
5.5	6.0	6.0	6.0	6.0	6.0	6.0		6.0	6.0	6.0	6.0				5.5	4.5	4.0					
6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		6.0	6.0		Ī		5.5	5.0	4.0	4.0	4.0				75
6.0	6.0	6.0	6.0	6.0	6.0		******	6.0	6.0	6.0	6.0	6.0		5.0 4.5	4.5	3.5	3.5	3.5	3.5			
6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		4.5	3.5	3.0	3.5	3.5	3.5			74
6.0	6.0	6.0	6.0	6.5	6.5	6.5	6.0	6.0	6.0	6.0	5.5	5.5	5.0	5.0	3.5	3.5	4.0	3.5	3.5			72
6.0	6.0	6.0	6.0	6.5	6.5	6.5	6.5	6.0	6.0	6.0	5.5	5.5	5.0	5.0	4.0	4.0	4.5	3.5	3.5			73
6.0	6.5	6.0	6.0	6.5	6.5	6.5	6.5	5.5	5.5	6.0	6.0	5.5	5.5	5.0	4.5	4.5	5.0	3.5	3.5			72
6.0	6.5	6.5	6.0	6.0	6.0	6.0	6.0	5.5	5.0	5.5	6.0	5.5	5.5	5.5	5.0	5.0	5.0	3.5	3.5			
6.5	6.5	6.5	6.0	6.0	6.0	6.0	6.0	5.5	5.0	5.5	6.0	6.0	5.5	5.5	5.5	5.0	5.5	5.5				71

						г												ı —	T		1	7 /±
6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.5	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5			<u> </u>		
5.0	5.5	5.5	5.5	6.0	6.0	6.0	5.5	5.0	4.5	4.5	5.0	5.0	5.0	5.5	6.0	6.0	6.0					70
5.0	5.0	5.0	5.0	5.5	6.0	6.0	5.0	4.5	4.0	4.0	4.5	5.0	5.0	5.5	6.0	6.5	6.0					,0
4.0	4.5	4.5	4.5	5.0	5.5	6.0	5.5	5.0	4.5	4.0	4.5	5.0	4.5	5.0	5.5	6.0	6.0					- 69
4.0	4.0	4.0	4.5	5.0	5.5	5.5	5.5	5.0	4.5	4.5	5.0	4.5	4.0	10.0	5.0	5.5] 09
4.5	4.0	4.0	4.0	4.5	5.0	5.5	5.5	5.0	4.5	4.0	4.5	4.5	4.0	4.0	4.5							
4.0	4.0	4.0	4.0	4.5	5.0	5.5	6.0	6.0	6.0	5.0	4.5	4.0	4.0	4.0	4.0							68
4.0	4.0	4.5	5.0	5.0	5.5	5.5	6.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0							
4.0	4.0	5.0	5.5	5.0	5.5	5.5	6.0	5.5	5.5	5.0	4.0	4.0	4.0	4.0								67
4.0	4.0	4.5	6.0	5.5	5.5	5.5	5.5	5.0	5.0	4.5	4.0	4.0	4.0									
4.0	4.0	5.0	6.5	6.0	5.5	5.5	5.5	5.0	4.5	4.5	4.0	4.0	4.0									66
4.0	4.0	5.5	6.0	5.5	5.0	5.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0									
4.0	4.0	5.0	5.5	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0										65
4.0	4.0	4.0	5.0	5.0	4.5	5.0	5.0	4.5	4.0	4.0												
4.0	4.0	4.0	5.0	5.0	4.5	5.0	5.0	4.5	4.0	4.0												64
4.0	4.0	4.0	4.5	5.0	4.5	4.5	4.5	4.5	4.0													
4.0	4.5	4.0	4.0	4.5	4.5	4.5	4.5	4.0	4.0													63
5.0	5.5	5.0	4.5	5.0	4.5	4.5	4.5	4.0														40
6.0	6.5	6.0	5.0	5.0	4.5	4.5	4.5	4.0														62
6.5	7.5	6.5	5.5	5.0	4.5	4.0	4.0															(1
6.0	7.0	6.5	5.5	4.5	4.0	4.0	4.0															61
6.0	10.0	6.0	5.0	4.5	4.0	4.0	4.0															60
6.0	6.0	5.5	5.0	4.5	4.0	4.0	4.0															60
6.0	5.5	5.0	4.5	4.0	4.0	4.0	4.0															50
6.5	6.5	5.0	4.5	4.0	4.0	4.0	4.0															59
6.5	6.0	5.0	4.0	4.0	4.0																	50
6.0	5.5	5.0	4.0	4.0	4.0																	58
5.5	5.0	4.5	4.5	4.5	4.5																	57
5.0	4.5	4.0	4.0	4.0	4.0																	57
	4.0	4.0	4.0	4.0	4.0																	54
:: :::::::::::::::::::::::::::::::::::	4.0	4.0	4.0	4.0	4.0																	56
	4.0	4.0	4.0	4.0	4.0																	SE.
• •	4.0	4.0	4.0	4.0	4.0																	55
4.0	4.0	4.0	4.0																			£4
4.0	4.0	4.0	4.0																			54
4.0	4.0	4.0	4.0																			50
	4.0																					53
									L	L	1						1			ь		

FACTOR: LGP (grade by annual rainfall mm) (E) LGP: length of growth period of major crops

grade	1	2	3	4	5	6	7	relationship with annual raintall:	grade	1	2	3	4	5	6	7
days/	less	135 ~	150 ~	165 ~	180 ~	196 ~	above	the range less than 800 mm / 135day =const	days/	less	135 ~	150 ~	165 ~	180 ~	196 ~	above
year	134	149	164	179	195	210		800mm and above : $d = 0.15R + 15$	year	134	149	164	179	195	210	211
								for example, 1000 mm = 165								

[000==					***			00:				mpie, 10												
COORDIN. VERTICAL	9	6	9	7		ZONTA 8		COOD 9)		ιΙ		2	1	HORIZ 3	ZONTA 4			INATE		6		7
										135	135	135	135	135	135	135	135	135	135	135		Ī		
92									135	135	135	135	135	135	135	135	135	135	135		135	135	135	135
91								135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
<i>3</i> 1								135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
90								135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
								135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
89							135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
								135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
88						135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
			135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
87		135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
86	135	135 135	135 135	135	135	135 135	135	135 135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
	135	135	135	135 135	135 135	135	135	135	135	135	135 135	135	135	135	135 135	135 135	135 135	135	135 135	135	135	135 135	135	135 135
85	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
0.4	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
84	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
83		135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
			135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	136
82				135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	136	136
				135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	136	136	136
81					135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	136	136	136
					135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	136	136	136	137
80						135	135	135	135	135	135	135	135	135	135	135	135	135	135	136	136	137	137	137
							135	135	135	135	135	135	135	135	135	135	135	135	136	136	136	137	137	137
79								135	135	135	135	135	135	135	135	135	135	136	136	136	137	137	137	138
								135	135	135	135	135	135	135	135 135	135	135	136 136	136 137	137 137	137 137	138 138	138 138	138 138
78										,		155	135	136	136		136	137	137	137	138	138	138	139
														136	136	136	137	137	138	138	138	139	139	139
77														136	136	136	137	137	138	138	138	139	139	139
76																137	138	138	138	138	139	139	139	140
70																137	138	138	139	138	139	140	140	140
75																138	138	139	139	139	140	140	140	140
																	139	139	140	140	140	140	140	141
74																		140	140	140	140	141	141	141
																	140	140	141	141	141	141	141	141
73																140	140	140	141	141	141	142	142	142
															140	140	141	141	141	141	142	142	142	142
72														141	141	141	141	141	142	142	142	143	143	143
													141	141	141	141	142	142	142	142	143	143	143	143
71	LL												141	142	142	142	142	142	143	143	144	144	144	143

/1		Γ	I	1	1		Ι	1	T	1														
												141	142	142	142		142	142		144		145	145	
70												142		142	143		143	143		145		146		
											142	142		143	143	143	143	144	145	146		147	147	145
69											142	143		143	144	144	144	145		147		148		
						-		-			143	143		144	144	145	145	146		148		149		147
68								-		143	143	143	144	144	145	145	146	147	148	149	149	149	149	148
										144	144	144	144	145	145	146	147	148	149	149	150	149	149	149
67										144	144	144	145	145	146	147	148	149	150	150	150	150		149
										ļ			145	146	147	148	149	150	151	151	150	150	150	149
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relationship with annual raintall: the range less than 800 mm / 135day =const 800mm and above : d = 0.15R + 15 for example, 1000 mm = 165

I	grade	1	2	3	4	5	6	7
	days /	less	135 ~	150 ~	165 ~	180 ~	196 ~	abov
I	year	134	149	164	179	195	210	211

relationship with annual rainfall:
the trange less than 800 mm / 135day = const.
800mm and above: d = 0.15R + 15
for example, 1000 mm = 165

grade 1 2 3 4 5 days / less 135 ~ 150 ~ 165 ~ 180 ~ year 134 149 164 179 195

145						I																				·····
146	145	146	146	146	146	146	146	146	146	146	146	146	146	147	147	147	148	148	148	149	149	149	149	149	149	149
146	145	146	147	147	147	147	146	146	146	146	147	146	146	147	147	148	148	148	148	149	149	149	149	149	149	149
147	146	147	147	147	147	147	147	147	146	146	147	147	147	147	147	148	148	148	148	149	149	149	149	149	150	150
148	146	147	148	148	148	148	147	147	146	146	147	147	147	147	148	148	148	148	149	149	149	149	150	150	150	150
148	147	147	148	148	148	148	148	148	147	147	147	147	147	148	148	148	148	149	149	149	149	150	150	150	150	150
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147	147	148	149			152	153	152		153	154	154	155	156	156	156		157	157	157	157	157		
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147	147	148	149	150	151	152	152	152	153	153	154	154	155	155	155	155		156	156	156	157			
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148	148	149	149	150		150				151	152	153	154	155	155	156	156		157	157	157	13/		76
148	148	149	149	150							152	153		154							13/			
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148	149	149	149	150		149	150			151	152	153	154	155	155	156	156	157	158	158	150			
149	149	149	149	149	149	149	150		151	152	153	154	155	156	156	157	157	157	158	158	158			74
149	149	149	149	149		150			152	153	154	155	156	157	157	157	157	158	158	158	158			
149	149	150	150	150		150	150		152	153	154	155	156	157	157	158	158	158	159	159	159			73
149	149	150	150	150		150		152	153	154	155	156	157	158	158	158	158	159	159	159	159			
149	150		150	150	150	150	151	152	153	154	155	156	157	158	158	159	159	159	160	160	160			72
150	150		150		151	151	152	153	154	155	156	157	158	159	159	159	159	160	161	161	161			
150	150	150	151	151	151	151	152	153	154	155	156	157	158	159	159	160	160	160	161	161	161			71

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150	150	150	151	151	151	152	152	153	154	155	156	157	158	160	160	160	160	161	161	161	161	ļ	ļ	
150	150	151	151	152	152	152	152	153	154	155	156	157	158	160	160	160	160	161	161	161	161			70
150	150	151	152	152	152	153	153	154	154	156	157	158	159	160	160	160	160	161	162	162	162		-	
150	151	151	152	153	153	154	154	154	155	156	157	158	159	160	160	161	161	162	162				ļ	69
151	151	151	152	153	154	154	154	154	155	156	158	159	160	161	161	161	161	162						
151	151	152	153	154	154	154	154	155	156	157	158	159	160	161	161	161	161						-	68
151	151	152	153	154	154	155	155	156	157	157	158	159	161	161	161	161	161							
151	151	152	153	154	155	156	156	157	158	158	158	160	161	161	161	162	162							67
151	152	153	154	155	156	156	157	158	158	158	159	160	161	162	162	162								
152	152	154	155	156	156	157	158	158	159	159	160	160	161	162	162									66
152	152	155	155	156	157	157	158	159	160	160	160	161	162	163	163									
152	153	156	156	157	157	158	159	160	160	160	160	161	162	164	164									65
154	155	157	156	157	158	159	160	160	160	160	161	162	163	164										
155	156	157	157	158	158	159	160	160	161	161	161	163			5.00.10									64
156	157	158	158	158	159	160	160	161	161	161	162	163												04
157	158	159	159	159	160	161	161	161	162	162	163													63
158	159	160	160	160	161	161	161	162	163	163	163													03
158	160	161	161	161	161	162	162	163	163	163	164													62
159	160	161	161	161	162	163	163	163	164	164														62
160	161	162	162	162	163	163	163	164	165															61
161	162	163	163	163	163	164	164	165	165															61
161	162	163	163	163	164	165	165	165	166															60
162	163	164	164	164	165	166	166	166	167															60
163	164	165	165	165	166	166	166	166	167															50
164	165	166	166	166	166	167	167																	59
165	165	166	166	166	167	168	168																	50
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166	166	167	168	168	169	170	170																	57
167	167	168	168	169	170	170	170																	57
167	168	168	169	170	170	171	171																	5/
168	168	169	169	170	171	171	171																	56
168	169	169	170	171	171	172	172																	
169	169	170	170	171	172	172	172																	55
170	170	170	171	172	172	173	173																	
170	170	171	171	172	173	173	173																	54
171	171	172	172	173	173	174	174																	
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Table E.1 Observation Result of Soil Losses (1)

No.	-1	2	m	4	S	9	7	∞	6	10
Date	17/12/'99	18/12/'99	18/12/99	17/12/'99	17/12/'99	17/12/'99	23/12/'99	21/12/99	17/12/'99	18/12/99
Total Weight(g)	0	0	0	0	0	53.68	0	0	15.5	5.15
2.0 mm	0	0	0	0	0	15.46	0	0	2.62	1.22
0.85mm	0	0	0	0	0	16.34	0	0	3.5	1.4
0.425 mm	0	0	0	0	0	21.88	0	0	9.38	2.53
No.		7	ĸ	4	S	9	7	∞	6	10
Date	3/1/00	3/1/00	3/1/00	3/1/00	31/12/99	29/12/'99	4/1/00	2/1/00	8/1/00	8/1/00
Total Weight(g)	13.4	21.82	17.28	27.12	TT.T	36.6	33.25	8.34	44.96	20
2.0 mm	7.2	12.35	9:36	8.88	1.2	6.9	21.35	0.98	5.52	2
0.85mm	2.75	3.25	2.84	5.36	1.88	8.1	4.08	89.0	5.28	2.56
0.425 mm	3.45	6.22	5.08	12.88	4.69	21.6	7.82	89.9	34.16	15.44
No.	1	2	3	4	5	9	7	8	6	10
Date	14/1/00	14/1/01	14/1/02	12/1/03	14/1/04	12/1/05	17/1/06	13/1/07	20/1/08	20/1/09
Total Weight(g)	26.18	18.94	62.15	67.65	47.5	89.08	45.88	12.64	22.55	13.08
2.0 mm	11.76	7.21	7.92	31.89	9.47	25.72	27.62	1.12	3.18	1.66
0.85mm	5.63	5.22	17.5	22.69	15.41	16.28	6.51	1.84	5.05	2.18
0.425 mm	8.79	6.51	36.73	13.07	22.62	38.68	11.75	89.6	14.32	9.24

No.	←	7	n	4	S	9	7	∞	6	10
Date	22/1/'00	28/1/'01	28/1/02	19/1/03	19/1/04	13/1/05	20/1/06	20/1/07	28/1/01	28/1/01
Total Weight(g)	17.51	44.39	8.9	42.25	26.66	73.6	15.21	28.08	7.1	4.33
2.0 mm	9.12	25.15	2.17	19.92	4.39	25.84	7.47	2.4	1.63	0.25
0.85mm	3.48	8.19	2.38	14.17	6.72	13.28	4.82	2.48	2.22	0.36
0.425 mm	4.91	11.05	4.35	8.16	15.55	34.48	2.92	23.2	3.25	3.72
No.	1	2	3	4	5	9	7	~	6	10
Date	3/2/100	5/2/00	2/2/00	27/1/00	27/1/00	20/1/00	7/2/00	10/2/00	3/2/100	3/2/00
Total Weight(g)	11.69	13.63	30.25	12.58	18.75	43.24	21.63	10.25	12.17	6.44
2.0 mm	5.87	6.82	5.22	6.19	3.61	4.96	12.15	1.12	1.71	0.67
0.85mm	3.76	2.46	7.14	4.24	3.96	13.88	4.16	1.31	2.78	0.95
0.425 mm	2.06	4.35	17.89	2.15	11.18	24.4	5.32	7.82	2.68	4.82
No.	1	2	3	4	5	9	7	8	6	10
Date	13/2/'00	14/2/'00	14/2/01	15/2/02	15/2/'03	15/2/′04	13/2/05	14/2/′06	11/2/07	11/2/08
Total Weight(g)	52.24	36.1	23.48	48.11	41.53	17.1	27.55	6.58	16.93	5.19
2.0 mm	28.13	17.29	3.2	27.3	10.32	2.78	13.65	0.56	3.75	0.72
$0.85 \mathrm{mm}$	13.6	8.56	4.37	7.17	11.77	5.97	69.9	2.91	5.52	96.0
0.425 mm	10.51	10.25	15.91	13.64	19.44	8.35	7.21	3.11	99.2	3.51

Table E2 Summary in Observation of Soil Losses

	No.	1	2	3	4	5	9	7	8	6	10	Total
	TA Name	Chigaru	Kuntaja	Kuntaja	Kapeni	Kapeni	Makaka	Machinjiri	Machinjiri	Chitera	Mpama	
	Village Name	Muyangevi	Kabango	Goweza	Manyombe	Nazombe	Fred	Daniel	Likhoswe	Nanvenya	Nakhwala	
	Catchment Area	Lirangwe right	Lunzu left	Nkokodzi right	Lirangwe right	Lunzu left	Lirangwe right	Lunzu left	Lunzu right	Molonbozi left	Lirangwe left	
	$Area(m^2)$	250	2000	225	810	400	320	700	1050	380	2000	14135
	Slope(%)	3	3	4	9	1.5	4	∞	'n	v	8.5	
,	Soil Type	Sandy Lithosol	Sandy Lithosol	Chileka Latelite	Sandy Lithosol	Latelite	Sandy Clay Loam	Sandy Lome Lathosol	Sandy Loam	Sandy Clay Loam	Entisol	
	Total Worldhe	121.02	134.88	142.06	197.71	142.21	304.9	143.52	62.89	119.21	54.19	1425.59
	10tal Weight(B)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
		62.08	68.82	27.87	94.18	28.99	81.66	82.24	6.18	18.41	6.52	476.95
	7.0	51.3%	51.0%	19.6%	47.6%	20.4%	26.8%	57.3%	9.4%	15.4%	12.0%	33.5%
	0 85mm	29.22	27.68	34.23	53.63	39.74	73.85	26.26	9.22	24.35	8.41	326.59
	0.00	24.1%	20.5%	24.1%	27.1%	27.9%	24.2%	18.3%	14.0%	20.4%	15.5%	22.9%
	3CV ()	29.72	38.38	79.96	49.9	73.48	149.39	35.02	50.49	76.45	39.26	622.05
	11111 C7+:0	24.6%	28.5%	56.3%	25.2%	51.7%	49.0%	24.4%	76.6%	64.1%	72.4%	43.6%
	Soil Runoff (ton/ha/year)	4.84	0.27	6.31	2.44	3.56	9.53	2.05	0.63	3.14	0.11	1.01

Table E3 Observation Results of Suspended Soil in Lirangwe and Lunzu River

	00	λ.	0.	
	15/2/	1476.5	1475.0	1.5
	3/2/00 15/2/00	1475.3	1475.0	0.3
Lunzu River	30/12/99 14/1/00 20/1/00	1476.0	1475.0	1.0
	14/1/00	1475.4	1475.0	0.4
	30/12/99	1475.2	1475.0	0.2
	3/2/'00 15/2/'00	1476.0	1475.0	1.0
	3/2/00	1476.2	1475.0	1.2
Lirangwe River	20/1/00	1475.5	1475.0	0.5
I	14/1/00	1476.0	1475.0	1.0
	30/12/99 14/1/00 20/1/00	1475.1	1475.0	0.1
No	Date	Total Weight(g) 1475.1	Mes-cilinder Weight(g)	Balance(g)

Table E4 Water Guage Height and Discharge

II-E-30

							(Unit:: m)
Location		20/1/00	28/1/'00	5/2/00	14/2/'00	River Flow (20/1/1-2/29)	Solid Soil
;	Heighe(m)	0.224	0.326	0.361	0.478		·
Lirangwe Kiver	Discharge (m³/sec)	0.1	6.0	1.2	2.4	5,849,280	5,411
i	Heighe(m)	0.335	0.35	0.412	0.504		
Lunzu Kıver	Discharge (m³/sec)	0.15	0.2	0.4	8.0	1,972,080	1,578
		H .	ŗ				

Note: River flow is estimated at 2 months in January and February.