

S Erodability

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	C	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	C	7.0

L=SC, SiC

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

COORDIN. VERTICAL	HORIZONTAL COORDINATE										HORIZONTAL COORDINATE									
	96	97	98	99	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
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	5.0
					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
91					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	5.0
					4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	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	4.5
					3.5	4.0	3.5	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
89					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
					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
88				3.5	3.0	3.0	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
		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	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	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0
		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5	3.0	3.5	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	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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	3.5	3.5	3.5	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	3.5	3.5	3.5	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	3.0	3.0	3.0	3.5	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
		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	4.0
83		2.0	2.5	2.0	2.0	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	4.0
			3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.5	4.5	4.0
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	4.0
			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
81			3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.5	5.0	5.0	4.5	5.0	5.0	4.5	4.5	4.5
			3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.5	5.0	5.0	5.0	5.0	5.0	4.5	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	5.5
					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	5.5
79					3.5	4.0	4.0	4.5	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.0	5.0	5.0	5.5	5.5
					4.5	4.5	5.0	5.5	5.5	5.5	5.5	5.5	6.0	6.0	5.5	5.5	5.5	5.5	5.0	5.5
78								5.5	5.5	5.5	5.5	5.5	6.0	6.0	6.0	6.0	5.5	5.5	5.0	5.5
								5.5	5.5	5.5	5.5	6.0	6.0	6.0	6.0	6.0	5.5	5.5	5.0	5.5
77										5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.0	4.5
												6.0	6.0	6.0	6.0	6.0	6.0	5.5	4.5	5.0
76													6.0	6.0	6.0	6.0	5.5	5.0	4.0	4.5
													6.0	6.0	6.0	5.5	5.0	4.5	4.0	5.0
75														6.0	6.0	5.5	5.0	4.5	4.0	6.0
															5.5	5.0	4.5	4.0	4.0	6.0
74																4.5	4.0	3.5	3.5	6.0
																5.0	4.0	3.5	3.0	6.0
73													5.0	4.5	4.0	3.5	3.5	3.5	4.0	5.0
													5.5	5.0	4.5	4.5	4.0	4.0	4.5	5.0
72										5.5	5.5	5.0	5.0	4.5	4.5	4.5	4.5	4.5	5.0	6.0
										6.0	5.5	5.5	5.0	5.0	5.0	5.0	5.0	5.0	5.5	5.5
71										6.0	6.0	6.0	5.5	5.0	5.0	5.5	5.5	5.5	5.5	5.5

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71												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	6.0	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	6.5	6.5	6.0	6.0	6.0	6.0	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	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
67											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
																7.0	6.5	6.0	5.0	4.0	5.0	6.0	7.0	7.0	6.5
66																								6.5	6.0
																									6.0
65																									
64																									
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LEGEND:	S	2.0	LS	3.0	SL
numerical dig	SiCL	5.5	L	6.0	CL

L=SC,SiC

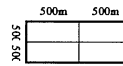
3	HORIZONTAL COORDINATE				HORIZONTAL COORDINATE				HORIZONTAL COORDINATE				HORIZONTAL COORDINATE				HORIZONTAL COORDINATE									
	9		10		11		12		13		14		15		16		17		18		19		20		21	
	4.5	V																								
	4.0	4.0																								
	4.0	4.0																								
	4.0	4.0	4.0	4.0																						
	4.0	4.0	4.0	4.0	4.0																					
	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	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	4.0	3.5	3.5														
	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											
	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	3.0	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	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	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	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	5.0	5.0	
	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	7.0	5.0	
	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	4.5	4.0	4.0	10.0	10.0	10.0	3.0	3.0	4.0
	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	10.0	3.5	3.0	10.0	3.0	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	10.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0	10.0	3.0	3.0
	5.5	5.5	5.5	6.0	6.0	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	3.5	3.0	3.0	10.0	10.0	3.0
	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	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0	3.0	3.0	3.0	3.0
	5.5	5.5	5.5	5.5	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0	3.0	3.0	3.5	4.0
	5.5	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	4.0	3.5	3.0	3.0	3.0	3.5	4.5
	5.5	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	3.5	3.5	3.5	4.0	4.5	4.5
	5.5	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	4.0	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	4.5	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	4.5	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	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	4.5	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	4.5	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	4.5	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	4.5	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	4.5	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	4.5	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5

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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	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	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	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	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	6.0	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	6.0	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	6.0	6.0	6.5	7.0	7.0	6.5	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	6.0	6.0	7.0	7.0	7.0	6.5	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	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	6.5	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	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	4.0	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	3.0	4.0	4.0	4.0	4.0	4.0	4.0	
																	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	
																	4.0	4.0	4.0	4.0	10.0	4.5	4.0	4.0	4.0	5.0	
																	4.0	4.0	4.0	4.0	10.0	4.0	4.0	4.0	4.0	4.5	
																	4.0	4.0	4.0	4.0	10.0	10.0	4.0	4.0	4.0	4.5	
																	4.0	4.0	4.0	4.0	10.0	10.0	4.0	4.0	4.0	4.5	
																	4.0	4.0	4.0	4.0	10.0	10.0	10.0	10.0	4.0	5.0	
																	4.0	4.0	4.0	4.0	10.0	10.0	10.0	10.0	4.0	5.5	
																				4.0	4.0	10.0	10.0	4.0	6.0		
																				4.0	4.0	10.0	10.0	10.0	10.0		
																					4.0	4.0	10.0	10.0	10.0		
																						4.0	4.0	10.0	10.0		
																							4.0	4.0	4.0		
																								4.0	4.0	4.0	
																									4.0	4.0	

S Erodability

4.0	Si	4.5	SCL	5.0
6.5	C	7.0	HC	7.5



INATE		HORIZONTAL				COORDINATE				HORIZONTAL				COORDINATE				COORDIN. VERTICAL	
22	23	24	25	26	27	28	29	30	31	32									
																	92		
																	91		
																	90		
																	89		
																	88		
																	87		
																	86		
																	85		
																	84		
																	83		
																	82		
																	81		
																	80		
																	79		
																	78		
																	77		
																	76		
																	75		
																	74		
																	73		
																	72		
																	71		

S Erodability

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					
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					
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						
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							68
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							
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							67
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								
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									66
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									
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									65
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										
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	5.0	5.0	4.5	5.0	5.0	4.5	4.0	4.0												
4.0	4.0	4.0	4.5	5.0	4.5	4.5	4.5	4.5	4.0													63
4.0	4.5	4.0	4.0	4.5	4.5	4.5	4.5	4.0	4.0													
5.0	5.5	5.0	4.5	5.0	4.5	4.5	4.5	4.0	4.5													62
6.0	6.5	6.0	5.0	5.0	4.5	4.5	4.5	4.0	4.5													
6.5	7.5	6.5	5.5	5.0	4.5	4.0	4.0															61
6.0	7.0	6.5	5.5	4.5	4.0	4.0	4.0															
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															
6.0	5.5	5.0	4.5	4.0	4.0	4.0	4.0															59
6.5	6.5	5.0	4.5	4.0	4.0	4.0	4.0															
6.5	6.0	5.0	4.0	4.0	4.0																	58
6.0	5.5	5.0	4.0	4.0	4.0																	
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																	
5.0	4.0	4.0	4.0	4.0	4.0																	56
5.0	4.0	4.0	4.0	4.0	4.0																	
5.0	4.0	4.0	4.0	4.0	4.0																	55
4.0	4.0	4.0	4.0																			54
4.0	4.0	4.0	4.0																			
4.0	4.0	4.0	4.0																			53
	4.0																					

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

COORDIN. VERTICAL	HORIZONTAL COORDINATE														HORIZONTAL COORDINATE													
	96		97		98		99		0		1		2		3		4		5		6		7					
92										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				
91								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				
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	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				
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				
	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				
	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	135	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	135	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	135	136	136	137	137				
						135	135	135	135	135	135	135	135	135	135	135	135	136	136	136	137	137	137	137				
79							135	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	137	137	138	138	138				
78											135	135	135	135	135	135	136	136	137	137	137	137	138	138				
												135	136	136	136	136	136	137	137	137	138	138	138	139				
77														136	136	136	137	137	137	138	138	138	139	139				
													136	136	136	137	137	137	138	138	138	139	139	139				
76																137	138	138	138	138	139	139	139	140				
															137	138	138	139	138	139	140	140	140	140				
75																138	138	139	139	139	140	140	140	140				
																139	139	140	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	141	142	142				
															140	140	141	141	141	141	141	142	142	142				
72														141	141	141	141	141	141	142	142	142	143	143				
													141	141	141	141	141	142	142	142	142	143	143	143				
71													141	142	142	142	142	142	143	143	144	144	144	144				
														141	142	142	142	142	142	142	142	142	142	142				

													141	142	142	142	142	142	142	143	144	145	145	145	144
70													142	142	142	143	143	143	143	144	145	146	146	146	144
												142	142	142	143	143	143	143	144	145	146	147	147	147	145
69													142	143	143	143	144	144	144	145	146	147	148	148	146
													143	143	143	144	144	145	145	146	147	148	149	149	147
68													143	143	143	144	144	145	145	146	147	148	149	149	148
													144	144	144	144	145	145	146	147	148	149	149	150	149
67													144	144	144	145	145	146	147	148	149	150	150	150	149
																145	146	147	148	149	150	151	151	150	149
66																									150
65																									
64																									
63																									
62																									
61																									
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54																									
53																									

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

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

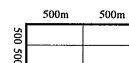
relationship with annual rainfall:
the range less than 800 mm / : 135day =const
800mm and above : d = 0.15R + 15
for example, 1000 mm = 165

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

HORIZONTAL				COORDINATE				HORIZONTAL				COORDINATE				HORIZONTAL			
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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	136	136	136	136							
135	135	135	135	135	135	135	135	136	136	136	136	136	137						
135	135	135	135	135	135	136	136	136	136	136	136	136	137	137					
135	135	135	135	135	136	136	136	136	136	137	137	137	138	139	140				
135	135	135	135	136	136	136	136	137	137	137	137	137	138	139	140				
135	135	135	136	136	136	136	137	137	137	137	137	137	138	139	140	141	142		
135	135	135	136	136	136	137	137	137	137	137	137	138	138	140	140	141	142	143	
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136	136	136	136	137	137	137	137	138	138	138	138	138	138	139	140	141	141	142	143
136	136	136	137	137	137	138	138	138	138	138	138	138	138	139	140	141	142	142	143
136	136	137	137	137	138	138	138	138	138	139	139	139	139	139	141	141	142	142	143
136	136	137	137	138	138	138	138	138	139	139	139	139	139	140	141	141	142	142	144
137	137	137	138	138	138	139	139	139	139	139	139	139	139	140	141	141	142	143	144
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137	137	138	138	139	139	139	139	139	140	140	140	140	140	141	142	142	143	143	144
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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	150
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						150	150	150	149	149	149	149	149	150	150	150	150	150	151	151	151	151	151	151	151	152
												149	149	150	150	150	150	151	151	151	152	152	152	152	153	154
														150	150	150	150	150	151	151	152	152	152	152	153	154
															150	150	151	151	152	152	152	152	152	153	154	155
																			152	152	152	152	153	154	155	156
																				152	152	152	153	154	155	156
																					152	153	153	154	155	156
																						153	153	154	155	156
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																										170
																										170

6 7 relationship with annual rainfall:
 196 ~ above the range less than 800 mm / : 135day =const
 210 211 800mm and above : d = 0.15R + 15
 for example, 1000 mm = 165



COORDINATE				HORIZONTAL				COORDINATE				HORIZONTAL				COORDINATE				COORDIN. VERTICAL
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
																				92
																				91
																				90
																				89
																				88
																				87
																				86
																				85
																				84
																157	158			83
															157	157	157	158	158	82
															157	157	157	158	158	81
															157	157	157	158	158	80
															157	157	157	158	158	79
															157	157	157	158	158	78
															157	157	157	158	158	77
															157	157	157	158	158	76
															157	157	157	158	158	75
															157	157	157	158	158	74
															157	157	157	158	158	73
															157	157	157	158	158	72
															157	157	157	158	158	71

Table E.1 Observation Result of Soil Losses (1)

No.	1	2	3	4	5	6	7	8	9	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.	1	2	3	4	5	6	7	8	9	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	7.77	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	0.68	5.28	2.56
0.425 mm	3.45	6.22	5.08	12.88	4.69	21.6	7.82	6.68	34.16	15.44

No.	1	2	3	4	5	6	7	8	9	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	80.68	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	9.68	14.32	9.24

No.	1	2	3	4	5	6	7	8	9	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	6	7	8	9	10
Date	3/2/00	5/2/00	5/2/00	27/1/00	27/1/00	20/1/00	7/2/00	10/2/00	3/2/00	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	7.68	4.82

No.	1	2	3	4	5	6	7	8	9	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
0.85mm	13.6	8.56	4.37	7.17	11.77	5.97	6.69	2.91	5.52	0.96
0.425 mm	10.51	10.25	15.91	13.64	19.44	8.35	7.21	3.11	7.66	3.51

Table E2 Summary in Observation of Soil Losses

No.	1	2	3	4	5	6	7	8	9	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	5000	225	810	400	320	700	1050	380	5000	14135
Slope(%)	3	3	4	6	1.5	4	8	5	5	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 Weight(g)	121.02	134.88	142.06	197.71	142.21	304.9	143.52	65.89	119.21	54.19	1425.59
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2.0 mm	62.08	68.82	27.87	94.18	28.99	81.66	82.24	6.18	18.41	6.52	476.95
	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
	24.1%	20.5%	24.1%	27.1%	27.9%	24.2%	18.3%	14.0%	20.4%	15.5%	22.9%
0.425 mm	29.72	38.38	79.96	49.9	73.48	149.39	35.02	50.49	76.45	39.26	622.05
	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

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

Table E4 Water Gauge Height and Discharge

Location						(Unit:: m)	
	20/1/'00	28/1/'00	5/2/'00	14/2/'00	River Flow ('20/1/1-2/29)	Solid Soil	
Lirangwe River	Heighe(m)	0.224	0.326	0.361	0.478		
	Discharge (m³/sec)	0.1	0.9	1.2	2.4	5,849,280	5,411
Lunzu River	Heighe(m)	0.335	0.35	0.412	0.504		
	Discharge (m³/sec)	0.15	0.2	0.4	0.8	1,972,080	1,578

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