Stream:	Whitewater, Mi	Vhitewater, Middle Fork Location:			State Park, Restoration Site			
Graph Used:		Total Stream	m Length (ft):	1950		Date:		
Observers:	bservers: KZ & ME Vall			alley Type: VIII			Stream Type: B 3c	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Station (ft)	BEHI rating (Worksheet 3-11) (adjective)	NBS rating (Worksheet 3-12) (adjective)	Bank erosion rate (Figure 3-9 or 3-10) (ft/yr)	Length of bank (ft)	Study bank height (ft)	Erosion subtotal [(4)×(5)×(6)] (ft <sup>3</sup> /yr)	Erosion Rate (tons/yr/ft) {[(7)/27] × 1.3 / (5)}	
1 MF-36+62	Moderate	High	0.397	501.0	5.9	1174.69	0.11290	
2 MF-39+24	Low	Very High	0.326	62.0	4.4	89.03	0.06910	
3 MF-40+02	High	Moderate	0.380	70.0	5.1	135.66	0.09330	
4 MF-42+05	Low	Very High	0.479	192.0	1.6	147.14	0.03690	
5 MF-42+90	Moderate	Extreme	1.236	72.0	4.5	400.57	0.26790	
6 MF-44+15	Low	Extreme	0.351	139.0	11.0	535.89	0.18560	
7 MF-47+61	Low	Low	0.063	36.0	3.5	7.96	0.01060	
8 MF-48+27	Moderate	Moderate	0.226	121.0	6.0	164.20	0.06530	
9 MF-49+98	Moderate	Extreme	1.217	261.0	10.0	3175.73	0.58580	
10 MF-51+51	Moderate	Extreme	1.043	111.0	7.5	868.07	0.37650	
11								
12					31 S			
13								
14								
15								
Sum erosion subtotals in Column (7) for each BEHI/NBS combination (ft³/yr) (ft³/yr) Total						6698.94		
Convert erosion in ft <sup>3</sup> /yr to yds <sup>3</sup> /yr {divide Total Erosion (ft <sup>3</sup> /yr) by 27}						248.11		
Convert erosion in yds <sup>3</sup> /yr to tons/yr {multiply Total Erosion (yds <sup>3</sup> /yr) by 1.3}						322.54		
Calculate erosion per unit length of channel {divide Total Erosion (tons/yr) by total length of stream (ft) surveyed}						0.1654		

Worksheet 3-13.	Summary form of annual streamb	ank erosion estimates for various study reaches.