

Soil Sensitivity

Miles	Soil Sensitivity			average soil sensitivity		
	H	M	L			
P-1	5.4	10.6	7.9	47.9 50.7		2.1
P-2	-	-	all	8.6		1.0
FS-1	4.1	11.9	6.4	42.3 45.8		2.1
FS-2	-	5.9	1.2	3.0		1.4
FS-3	3.0	8.5	1.6	15.8 18.6		1.8

$$\text{average soil sensitivity per mile} = \frac{(\text{miles high} \times 4) + (\text{miles med} \times 2) + (\text{miles low})}{\text{total miles}}$$

$$\text{topographic erosion hazard per mile} = f(\text{average slope})$$

$$\text{sensitivity} \times \text{topo. erosion} \times \text{miles} = \text{erosion hazard for segment}$$

	sensitivity x topo. hazard / mile		total (col 1 x miles)	
P-1	105.25 724.5	M	3982.5 17460	H
P-2	15.7 183.0	L	1352.8 1574	L
FS-1	2034 1010.1	H	4494 22323	H
FS-2	990 462.0	L	2079 970	L
FS-3	11563 1342.8	H	116786 13562	M

CORRIDOR SEGMENT LENGTHS - MILES

Segment	Owner	7 1/2' Quad Map Number - Miles								Total by Owner	Grand Total
		1	3	4	5	6	7	8	10		
P-1	NF	1.25	3.3	3.6		1.25				9.4	24.1
	PRI			5.2	.3	5.8	2.8			14.1	
	STATE					.6				.6	
P-2	NF							.2		.2	8.6
	PRI						3.3	3.9	.3	7.5	
	STATE							.9		.9	
FS-1	NF	1.5	2.7	6.4	2.5	4.3	1.8			19.2	22.1
	PRI			1.6	.5	.1	.4			2.6	
	STATE						.3			.3	
FS-2	NF										2.1
	PRI						1.3			1.3	
	STATE						.8			.8	
FS-3	NF						.5	2.6		3.1	10.1
	PRI						2.1	2.6	.1	4.8	
	STATE						1.6	.6		2.2	

		<u>NF</u>	<u>PRI</u>	<u>STATE</u>	<u>TOTAL</u>
		Miles			
NTPC	(P-1 + P-2)	9.6	21.6	1.5	32.7
ALT. 1	(FS-1 + FS-2 + P-2)	19.4	11.4	2.0	32.8
ALT. 2	(FS-1 + FS-3)	22.3	7.4	2.5	32.2

