## APPENDIX B ROADS ANALYSIS SUMMARY

Based on the most current GIS data available (provided by the Kootenai National Forest) approximately 170 miles of roads exist in the Grave Creek Watershed today. "Jammer" roads and skid trails are not included as roads on the GIS layer (Map 10), and are therefore not included in the road length, density and other summary statistics values, thus providing an underestimate of total potential impacts from harvest roads and trails. Many of these skid trails and jammer roads will have revegetated since it has been more than one or two decades since most of the harvest occurred. These trails and jammer roads still have the potential to intercept and route flows, particularly if fire results in removal of some or all of the vegetation, thus creating a potential increased sediment loading impact from an otherwise natural event.

Tables B-1 and B-2 provide length and percentage summaries of the road distribution within the watershed. Over 100 miles (62%) are located in stands that are in or adjacent to riparian corridors; 35 miles of road (21%) are located within 300 feet of streams; and 52 miles (30%) are located in the rain-on-snow zone. The rain-on-snow zone is defined by the elevation band between 4500 and 5500 feet. All roads within the 300-foot riparian buffer would also be within the riparian related stands. Roads within the rain-on-snow zone can also fall within the riparian related stands as well as the 300-foot buffer. Table B-3 provides a summary of roads information within sensitive land type associations (LTAs 108 and 407). Tables B-4, B-5 and B-6 provide additional road summary information by watershed and LTAs. Appendix I provides additional analysis of road sediment loading. This analysis takes into account the fact that many roads have been closed and revegetated, thus reducing total erosion and potential sediment contribution to streams.

Table B-1: Road Length Summary (miles).												
	Total Road Length (miles)	Road Density (miles/mile <sup>2</sup> )	Length In Riparian- Related Stands (miles)	Length In 300' Riparian Buffer (miles)	Length In Rain-on- Snow zone (miles)		in-on- miles)					
Sub-watershed					Total	%North	%South					
Blue Sky	25.6	2.1	22.9	8.8	16.8	79	21					
Clarence-Stahl	36.6	2.0	25.1	9.2	19.7	50	50					
Lower Grave Creek	71.8	3.3	30.6	6.2	0.0	0	0					
Upper Grave-												
Foundation-Lewis	19.4	1.4	15.7	6.7	11.8	45	55					
Williams	16.6	1.8	10.2	4.1	3.5	69	31					
Total	170.0	2.3	104.5	35.1	51.8	59	41					

Table B-2: Road Length Summary (Percent of Grave Creek Watershed).									
	% Total	% In Riparian-	% In 300'	%Length In Rain-on-					
	Road	Related	Riparian						
	Length	Stands	Buffer	Show zone					
Sub-watershed				Total					
Blue Sky	15.1	13.5	5.2	9.9					
Clarence-Stahl	21.5	14.8	5.4	11.6					
Lower Grave Creek	42.2	18.0	3.7	0.0					
Upper Grave-Foundation-	11 /								
Lewis	11.4	9.2	4.0	22.8					
Williams	9.8	6.0	2.4	2.0					
Total	100	61.5	20.6	30.5					

Table B-3: Miles of Road in LTA 108 and 407.											
Sub-watershed	Miles in LTA 108	%Sub- Water- shed	%Water- shed	Miles in LTA 407	%Sub- Water- shed	%Wat er- shed	Miles in LTA 108 & 407	%Sub- Water- shed	%Water- shed		
Blue Sky	0.0	0.0	0.0	14.4	56.3	8.5	14.4	56.3	8.5		
Clarence-Stahl	2.8	7.7	1.6	15.4	42.1	9.1	18.2	49.7	10.7		
Lower Grave Creek	13.3	18.5	7.8	0	0.0	0.0	13.3	18.5	7.8		
Upper Grave- Foundation-Lewis	3.6	18.6	2.1	5.2	26.8	3.1	8.8	45.4	5.2		
Williams Creek	1.3	7.8	0.8	8.1	48.8	4.8	9.4	56.6	5.5		
Total	21.1		12.4	43.1		25.4	64.2		37.8		

Table B-4	Table B-4: Length of Road by LTA by Sub-Watershed.												
Road Length in LTA by Sub-Watershed													
			% Sub-										
			Water-	% Water-	Surface	Subsurface	Delivery						
Landtype	Meters	Miles	shed	shed	Erodibility	Erodibility	Efficiency	Sediment Hazard					
Blue Sky													
108	64	0.0	0.2	0.0	severe	severe	low	moderate					
351	2734	1.7	6.6	1.0	moderate	moderate	high	severe					
401	186	0.1	0.5	0.1	moderate	slight	high	severe					
403	1087	0.7	2.6	0.4	moderate	slight	high	severe					
404	3929	2.4	9.5	1.4	moderate	moderate	low	moderate					
405	1672	1.0	4.1	0.6	moderate	slight	low	moderate					
406	2527	1.6	6.1	0.9	moderate	slight	low	moderate					
407	23104	14.4	56.0	8.4	moderate	moderate	high	severe					
408	5930	3.7	14.4	2.2	moderate	slight	high	severe					
	41235	25.6	100.0	15.1									
Clarence-S	Clarence-Stahl												
108	4549	2.8	7.7	1.7	severe	severe	low	moderate					
351	4841	3.0	8.2	1.8	moderate	moderate	high	severe					
401	1782	1.1	3.0	0.7	moderate	slight	high	severe					

Table B-4: Length of Road by LTA by Sub-Watershed.											
Road Ler	ngth in LT	TA by S	ub-Wate	ershed							
			% Sub-								
Landtype	Motore	Miloc	Water-	% Water-	Surface	Subsurface	Delivery	Sodimont Hazard			
	10382	12.0	32.0	511EU 7 1	moderate	moderate		moderate			
404	2/07	12.0	12.9	0.0	moderate	slight		moderate			
406	1038	0.6	1.2	0.3	moderate	slight		moderate			
407	24856	15.4	42.2	9.1	moderate	moderate	high	severe			
107	58944	36.6	100.0	21.5	modorato	modorato	ingri	001010			
Lower Grav	ve Creek				<u></u>		<u> </u>				
102	1656	1.0	1.4	0.6	moderate	severe	low	moderate			
103	15641	9.7	13.5	5.7	moderate	severe	high	severe			
105	1162	0.7	1.0	0.4	moderate	severe	low	moderate			
106	1144	0.7	1.0	0.4	moderate	severe	low	moderate			
108	21397	13.3	18.5	7.8	severe	severe	low	moderate			
110	501	0.3	0.4	0.2	moderate	severe	low	moderate			
251	29	0.0	0.0	0.0	moderate	slight	high	severe			
321	14509	9.0	12.6	5.3	moderate	moderate	low	moderate			
322	25823	16.0	22.4	9.4	moderate	severe	low	moderate			
323	9108	5.7	7.9	3.3	severe	severe	low	moderate			
324	23993	14.9	20.8	8.8	moderate	moderate	low	moderate			
408	564	0.4	0.5	0.2	moderate	slight	high	severe			
	115526	71.8	100.0	42.2							
Upper Grav	ve-Foundat	ion-Lewi	s	-		1					
108	5779	3.6	18.5	2.1	severe	severe	low	moderate			
351	2473	1.5	7.9	0.9	moderate	moderate	high	severe			
401	1666	1.0	5.3	0.6	moderate	slight	high	severe			
404	9751	6.1	31.3	3.6	moderate	moderate	low	moderate			
405	576	0.4	1.8	0.2	moderate	slight	low	moderate			
406	2497	1.6	8.0	0.9	moderate	slight	low	moderate			
407	8444	5.2	27.1	3.1	moderate	moderate	high	severe			
Williamo	31185	19.4	100.0	11.4		1					
	2107	12	7.0	0.8	covoro	covoro	low	modorato			
100	1344	0.8	7.9	0.0	moderate	severe	low	moderate			
322	752	0.0	2.0	0.5	moderate	slight	high	sovere			
401	17	0.0	2.0	0.5	moderate	slight	high	severe			
405	6056	3.8	22.7	2.2	moderate	slight	low	moderate			
406	2359	1.5	8.8	0.9	moderate	slight	low	moderate			
407	12979	8.1	48.6	4.7	moderate	moderate	high	severe			
408	1071	0.7	4 0	0.4	moderate	slight	hiah	severe			
	26684	16.6	100.0	9.8							
Grave Cree	k Watersh	ed		0.0	I		ļ	<b>.</b>			
102	1656	1.0		0.6	moderate	severe	low	moderate			
103	15641	9.7		5.7	moderate	severe	high	severe			
105	<u>116</u> 2	0.7		0.4	moderate	severe	low	moderate			

Table B-4: Length of Road by LTA by Sub-Watershed.												
Road Length in LTA by Sub-Watershed												
Landtype	Meters	Miles	% Sub- Water- shed	% Water- shed	Surface Erodibility	Subsurface Erodibility	Delivery Efficiency	Sediment Hazard				
106	1144	0.7		0.4	moderate	severe	low	moderate				
108	33896	21.1		12.4	severe	severe	low	moderate				
110	501	0.3		0.2	moderate	severe	low	moderate				
251	29	0.0		0.0	moderate	slight	high	severe				
321	14509	9.0		5.3	moderate	moderate	low	moderate				
322	27167	16.9		9.9	moderate	severe	low	moderate				
323	9108	5.7		3.3	severe	severe	low	moderate				
324	23993	14.9		8.8	moderate	moderate	low	moderate				
351	10048	6.2		3.7	moderate	moderate	high	severe				
401	4386	2.7		1.6	moderate	slight	high	severe				
403	1104	0.7		0.4	moderate	slight	high	severe				
404	33061	20.5		12.1	moderate	moderate	low	moderate				
405	10802	6.7		3.9	moderate	slight	low	moderate				
406	8420	5.2		3.1	moderate	slight	low	moderate				
407	69383	43.1		25.4	moderate	moderate	high	severe				
408	7564	4.7		2.8	moderate	slight	high	severe				
	273574	170.0		100.0								

Table B-5: Length of Road in Riparian-Related Stands by LTA by Sub-Watershed.												
Road Length in Riparian-Related Stands by LTA by Sub-Watershed												
			% Sub-									
			Water-	% Water-	Surface	Subsurface	Delivery	Sediment				
Landtype	Meters	Miles	shed	shed	Erodibility	Erodibility	Efficiency	Hazard				
Blue Sky												
108	64	0.0	0.2	0.0	severe	severe	low	moderate				
351	2040	1.3	4.9	0.7	moderate	moderate	high	severe				
401	186	0.1	0.5	0.1	moderate	slight	high	severe				
403	410	0.3	1.0	0.1	moderate	slight	high	severe				
404	2411	1.5	5.8	0.9	moderate	moderate	low	moderate				
405	1672	1.0	4.1	0.6	moderate	slight	low	moderate				
406	2054	1.3	5.0	0.8	moderate	slight	low	moderate				
407	22365	13.9	54.2	8.2	moderate	moderate	high	severe				
408	5625	3.5	13.6	2.1	moderate	slight	high	severe				
	36829	22.9	89.3	13.5								
Clarence-	Stahl				-	-						
108	4549	2.8	7.7	1.7	severe	severe	low	moderate				
351	4763	3.0	8.1	1.7	moderate	moderate	high	severe				
401	1782	1.1	3.0	0.7	moderate	slight	high	severe				
404	10099	6.3	17.1	3.7	moderate	moderate	low	moderate				
405	1895	1.2	3.2	0.7	moderate	slight	low	moderate				
406	98	0.1	0.2	0.0	moderate	slight	low	moderate				

Table B-5: Length of Road in Riparian-Related Stands by LTA by Sub-Watershed.													
Road Le	Road Length in Riparian-Related Stands by LTA by Sub-Watershed												
Landtype	Meters	Miles	% Sub- Water- shed	% Water- shed	Surface Erodibility	Subsurface Erodibility	Delivery Efficiency	Sediment Hazard					
407	17199	10.7	29.2	6.3	moderate	moderate	high	severe					
	40386	25.1	68.5	14.8									
Lower Gra	ave Creek												
102	135	0.1	0	0.0	moderate	severe	low	moderate					
103	12511	7.8	11	4.6	moderate	severe	high	severe					
105	616	0.4	1	0.2	moderate	severe	low	moderate					
106	543	0.3	0	0.2	moderate	severe	low	moderate					
108	16992	10.6	15	6.2	severe	severe	low	moderate					
110	8	0.0	0	0.0	moderate	severe	low	moderate					
251	29	0.0	0	0.0	moderate	slight	high	severe					
321	3618	2.2	3	1.3	moderate	moderate	low	moderate					
322	2461	1.5	2	0.9	moderate	severe	low	moderate					
323	4737	2.9	4	1.7	severe	severe	low	moderate					
324	7667	4.8	7	2.8	moderate	moderate	low	moderate					
	49317	30.6	42.7	18.0									
Upper Gra	ave-Foundati	on-Lewis				1	1						
108	5706	3.5	18.3	2.1	severe	severe	low	moderate					
351	2422	1.5	7.8	0.9	moderate	moderate	high	severe					
401	1570	1.0	5.0	0.6	moderate	slight	high	severe					
404	6867	4.3	22.0	2.5	moderate	moderate	low	moderate					
405	474	0.3	1.5	0.2	moderate	slight	low	moderate					
406	1637	1.0	5.2	0.6	moderate	slight	low	moderate					
407	6573	4.1	21.1	2.4	moderate	moderate	high	severe					
	25248	15.7	81.0	9.2									
Williams	1040 0200	1.0	7.0	0.7			Loui	un e de rete					
200	042 0127	1.2	7.3	0.7	severe	severe	low	moderate					
401	751 5478	0.0	2.8	0.3	moderate	slight	high	severe					
405	2899 7793	1.8	10.9	1 1	moderate	slight	low	moderate					
406	2031.3657	1.3	7.6	0.7	moderate	slight	low	moderate					
407	6721.7229	4.2	25.2	2.5	moderate	moderate	high	severe					
408	1070.6976	0.7	4.0	0.4	moderate	slight	high	severe					
	16359	10.2	61.3	6.0									
Grave Cre	ek Watershe	ed											
102	135	0.1		0.0	moderate	severe	low	moderate					
103	12511	7.8		4.6	moderate	severe	high	severe					
105	616	0.4		0.2	moderate	severe	low	moderate					
106	543	0.3		0.2	moderate	severe	low	moderate					
108	29251	18.2		10.7	severe	severe	low	moderate					
110	8	0.0		0.0	moderate	severe	low	moderate					
251	29	0.0		0.0	moderate	slight	high	severe					
321	3618	2.2		1.3	moderate	moderate	low	moderate					

Table B-	Table B-5: Length of Road in Riparian-Related Stands by LTA by Sub-Watershed.												
Road Length in Riparian-Related Stands by LTA by Sub-Watershed													
Landtype	Meters	Miles	% Sub- Water- shed	% Water-	Surface Erodibility	Subsurface Erodibility	Delivery Efficiency	Sediment Hazard					
322	3405	2.1		1.2	moderate	severe	low	moderate					
323	4737	2.9		1.7	severe	severe	low	moderate					
324	7667	4.8		2.8	moderate	moderate	low	moderate					
351	9224	5.7		3.4	moderate	moderate	high	severe					
401	4290	2.7		1.6	moderate	slight	high	severe					
403	410	0.3		0.1	moderate	slight	high	severe					
404	19378	12.0		7.1	moderate	moderate	low	moderate					
405	6941	4.3		2.5	moderate	slight	low	moderate					
406	5821	3.6		2.1	moderate	slight	low	moderate					
407	52859	32.8		19.3	moderate	moderate	high	severe					
408	6696	4.2		2.4	moderate	slight	high	severe					
	168139	104.5		61.5									

Road Length in 300' Riparian Buffer by LTA by Sub-Watershed       Landtype     Meters     Miles     % Sub- Water- shed     Surface Erodibility     Subsurface Erodibility     Delivery Efficiency     Sediment Hazard       Blue Sky     401     161     0.1     0.4     0.1     moderate     slight     high     severe       401     161     0.1     0.4     0.1     moderate     slight     high     severe       404     313     0.2     0.8     0.1     moderate     slight     low     moderate       405     229     0.1     0.6     0.1     moderate     slight     low     moderate       408     1677     1.0     4.1     0.6     moderate     slight     high     severe       108     3237     2.0     5.5     1.2     severe     low     moderate       401     214     0.1     0.4     0.1     moderate     slight     high     severe       404     2331     1.4     4.0     0.9	Table B-6: Road Length Within 300' Riparian Buffer by LTA by Sub-Watershed.											
Landtype     Meters     Wiles     % Sub- Water- shed     % Surface Erodibility     Subsurface Erodibility     Delivery Efficiency     Sediment Hazard       Blue Sky     401     161     0.1     0.4     0.1     moderate     slight     high     severe       404     313     0.2     0.8     0.1     moderate     moderate     low     moderate       405     229     0.1     0.6     0.1     moderate     slight     low     moderate       408     1677     1.0     4.1     0.6     moderate     slight     high     severe       408     1677     1.0     4.1     0.6     moderate     slight     high     severe       11754     7.3     2.8.5     1.2     severe     low     moderate       408     1677     1.0     4.1     0.6     moderate     slight     high     severe       14133     8.8     34.3     5.2      severe     low     moderate       401 <td< th=""><th>Road Le</th><th>ngth in</th><th>300' Ri</th><th>parian B</th><th>uffer by</th><th>LTA by S</th><th>ub-Watersh</th><th>ed</th><th></th></td<>	Road Le	ngth in	300' Ri	parian B	uffer by	LTA by S	ub-Watersh	ed				
Here Sky     High     severe       401     161     0.1     0.4     0.1     moderate     slight     high     severe       404     313     0.2     0.8     0.1     moderate     moderate     low     moderate       405     229     0.1     0.6     0.1     moderate     slight     low     moderate       407     11754     7.3     28.5     4.3     moderate     high     severe       408     1677     1.0     4.1     0.6     moderate     slight     high     severe       14133     8.8     34.3     5.2           108     3237     2.0     5.5     1.2     severe     low     moderate     high     severe       401     214     0.1     0.4     0.1     moderate     slight     high     severe       404     2331     1.4     4.0     0.9     moderate     low     moderate       407	Landtype	Meters	Miles	% Sub- Water- shed	% Water- shed	Surface Erodibility	Subsurface Erodibility	Delivery Efficiency	Sediment Hazard			
401   101   0.1   0.4   0.1   indefate   sight   fight   fight   severe     404   313   0.2   0.8   0.1   moderate   sight   low   moderate     405   229   0.1   0.6   0.1   moderate   slight   low   moderate     407   11754   7.3   28.5   4.3   moderate   slight   high   severe     408   1677   1.0   4.1   0.6   moderate   slight   high   severe     14133   8.8   34.3   5.2	101	161	0.1	0.4	0.1	moderate	slight	high	sovere			
404   313   0.2   0.3   0.1   Indefate   Indefate   Indefate   Indefate     405   229   0.1   0.6   0.1   moderate   slight   low   moderate     407   11754   7.3   28.5   4.3   moderate   high   severe     408   1677   1.0   4.1   0.6   moderate   slight   high   severe     14133   8.8   34.3   5.2	401	212	0.1	0.4	0.1	moderate	modorato	low	modorato			
403   223   0.1   0.0   0.1   Indefate   signt   10w   Indefate     407   11754   7.3   28.5   4.3   moderate   moderate   high   severe     408   1677   1.0   4.1   0.6   moderate   slight   high   severe     14133   8.8   34.3   5.2         108   3237   2.0   5.5   1.2   severe   low   moderate     351   354   0.2   0.6   0.1   moderate   moderate   high   severe     401   214   0.1   0.4   0.1   moderate   moderate   low   moderate     404   2331   1.4   4.0   0.9   moderate   moderate   low   moderate     405   346   0.2   0.6   0.1   moderate   moderate   high   severe     407   8393   5.2   14.2   3.1   moderate   moderate   high   severe     102   8	404	220	0.2	0.0	0.1	moderate	slight		moderate			
407   11734   7.3   20.3   4.3   Indefate   <	403	1175/	73	28.5	4.3	moderate	moderate	high	sovere			
406     1077     1.0     4.1     0.0     Inderate     sight     Ingr     severe       14133     8.8     34.3     5.2	407	1677	1.0	20.0	4.3	moderate	slight	high	severe			
Clarence-Stahl     Sold     34.3     3.2     Moderate       108     3237     2.0     5.5     1.2     severe     low     moderate       351     354     0.2     0.6     0.1     moderate     high     severe       401     214     0.1     0.4     0.1     moderate     slight     high     severe       404     2331     1.4     4.0     0.9     moderate     low     moderate       405     346     0.2     0.6     0.1     moderate     slight     low     moderate       407     8393     5.2     14.2     3.1     moderate     moderate     high     severe       14874     9.2     25.2     5.4     Image: Severe     low     moderate       102     8     0.0     0     moderate     severe     low     moderate       103     4433     2.8     4     1.6     moderate     severe     low     moderate       105     35 <td>400</td> <td>1/122</td> <td>1.0 <b>0.0</b></td> <td>2/ 2</td> <td>5.2</td> <td>moderale</td> <td>Silgin</td> <td>nign</td> <td>Severe</td>	400	1/122	1.0 <b>0.0</b>	2/ 2	5.2	moderale	Silgin	nign	Severe			
108     3237     2.0     5.5     1.2     severe     severe     low     moderate       351     354     0.2     0.6     0.1     moderate     high     severe       401     214     0.1     0.4     0.1     moderate     slight     high     severe       404     2331     1.4     4.0     0.9     moderate     moderate     low     moderate       405     346     0.2     0.6     0.1     moderate     slight     low     moderate       407     8393     5.2     14.2     3.1     moderate     moderate     high     severe       14874     9.2     25.2     5.4           102     8     0.0     0     0.0     moderate     severe     low     moderate       103     4433     2.8     4     1.6     moderate     severe     low     moderate       105     35     0.0     0     0.0     m	Clarence	Stahl	0.0	34.3	5.2							
108   3237   2.0   3.3   1.2   severe   low   Induerate     351   354   0.2   0.6   0.1   moderate   moderate   high   severe     401   214   0.1   0.4   0.1   moderate   slight   high   severe     404   2331   1.4   4.0   0.9   moderate   moderate   low   moderate     405   346   0.2   0.6   0.1   moderate   slight   low   moderate     407   8393   5.2   14.2   3.1   moderate   moderate   high   severe     407   8393   5.2   14.2   3.1   moderate   moderate   high   severe     102   8   0.0   0   0.0   moderate   severe   low   moderate     103   4433   2.8   4   1.6   moderate   severe   low   moderate     105   35   0.0   0   0.0   moderate   severe   low   moderate     106 <th>109</th> <th>314111 2227</th> <th>2.0</th> <th>5.5</th> <th>1.2</th> <th>sovero</th> <th>covoro</th> <th>low</th> <th>modorato</th>	109	314111 2227	2.0	5.5	1.2	sovero	covoro	low	modorato			
331   334   0.2   0.0   0.1   Indefate   Indefat   Indefate   I	251	3237	2.0	0.0	0.1	modorato	modorato	high	niouerale			
401   214   0.1   0.4   0.1   inderate   sight   inght   severe     404   2331   1.4   4.0   0.9   moderate   moderate   low   moderate     405   346   0.2   0.6   0.1   moderate   slight   low   moderate     407   8393   5.2   14.2   3.1   moderate   moderate   high   severe     407   8393   5.2   14.2   3.1   moderate   moderate   high   severe     14874   9.2   25.2   5.4          102   8   0.0   0   0.0   moderate   severe   low   moderate     103   4433   2.8   4   1.6   moderate   severe   low   moderate     105   35   0.0   0   0.0   moderate   severe   low   moderate     106   1   0.0   0   0.0   moderate   severe   low   moderate     108	401	214	0.2	0.0	0.1	moderate	clight	high	severe			
404   2331   1.4   4.0   0.9   indefate   indefate   idw   indefate     405   346   0.2   0.6   0.1   moderate   slight   low   moderate     407   8393   5.2   14.2   3.1   moderate   moderate   high   severe     14874   9.2   25.2   5.4         102   8   0.0   0   0.0   moderate   severe   low   moderate     103   4433   2.8   4   1.6   moderate   severe   high   severe     105   35   0.0   0   0.0   moderate   severe   low   moderate     106   1   0.0   0   0.0   moderate   severe   low   moderate     108   4088   2.5   4   1.5   severe   low   moderate     321   69   0.0   0   0.0   moderate   moderate   low   moderate	401	214	0.1	1.4	0.1	moderate	moderate	low	moderate			
403   340   0.2   0.0   0.1   moderate   sight   low   moderate     407   8393   5.2   14.2   3.1   moderate   moderate   high   severe     14874   9.2   25.2   5.4         Lower Grave Creek   102   8   0.0   0   0.0   moderate   severe   low   moderate     102   8   0.0   0   0.0   moderate   severe   low   moderate     103   4433   2.8   4   1.6   moderate   severe   high   severe     105   35   0.0   0   0.0   moderate   severe   low   moderate     106   1   0.0   0   0.0   moderate   severe   low   moderate     108   4088   2.5   4   1.5   severe   low   moderate     321   69   0.0   0   0.0   moderate   moderate   low   moderate     322   4454	404	2001	0.2	4.0	0.9	moderate	clight		moderate			
407   3393   3.2   14.2   3.1   Inducrate   Inducrate <thinducrate< th="">   Inducrate</thinducrate<>	403	9202	5.2	14.2	0.1	moderate	modorato	high	niouerale			
Lower Grave Creek     Solution     Solution <td>407</td> <td>14974</td> <td>0.2</td> <td>14.Z</td> <td>5.1</td> <td>moderate</td> <td>moderate</td> <td>Tilgri</td> <td>Severe</td>	407	14974	0.2	14.Z	5.1	moderate	moderate	Tilgri	Severe			
10280.000.0moderateseverelowmoderate10344332.841.6moderateseverehighsevere105350.000.0moderateseverelowmoderate10610.000.0moderateseverelowmoderate10840882.541.5severeseverelowmoderate321690.000.0moderatemoderatelowmoderate	Lower Gr	14074	9.2	23.2	5.4							
102   0   0.0   0   0.0   moderate   severe   noderate     103   4433   2.8   4   1.6   moderate   severe   high   severe     105   35   0.0   0   0.0   moderate   severe   low   moderate     106   1   0.0   0   0.0   moderate   severe   low   moderate     108   4088   2.5   4   1.5   severe   severe   low   moderate     321   69   0.0   0   0.0   moderate   moderate   low   moderate	102		0.0	0	0.0	modorato	covoro	low	modorato			
103     4433     2.8     4     1.0     moderate     severe     lngn     severe       105     35     0.0     0     0.0     moderate     severe     low     moderate       106     1     0.0     0     0.0     moderate     severe     low     moderate       108     4088     2.5     4     1.5     severe     low     moderate       321     69     0.0     0     0.0     moderate     moderate     low     moderate	102	0	2.0	0	0.0	moderate	severe	luw	nouerale			
105350.000.0moderateseverelowmoderate10610.000.0moderateseverelowmoderate10840882.541.5severeseverelowmoderate321690.000.0moderatemoderatelowmoderate	103	4433	2.0	4	1.0	moderate	Severe	nign	Severe			
106 1 0.0 0 0.0 moderate severe low moderate   108 4088 2.5 4 1.5 severe severe low moderate   321 69 0.0 0 0.0 moderate moderate low moderate	105	35	0.0	0	0.0		Severe	low				
108 4088 2.5 4 1.5 severe severe low moderate   321 69 0.0 0 0.0 moderate moderate low moderate	106	1	0.0	0	0.0	moderate	severe	IOW				
321 69 0.0 0 0.0 moderate moderate IOW moderate	108	4088	2.5	4	1.5	severe	severe	IOW	moderate			
	321	69	0.0	0	0.0	moderate	moderate	IOW				

Table B-6: Road Length Within 300' Riparian Buffer by LTA by Sub-Watershed.											
Road Le	ngth in	300' Ri	parian Bu	uffer by	LTA by S	ub-Watersh	ed				
Landtype	Meters	Miles	% Sub- Water- shed	% Water- shed	Surface Erodibility	Subsurface Erodibility	Delivery Efficiency	Sediment Hazard			
324	204	0.1	0	0.1	moderate	moderate	low	moderate			
	9993	6.2	8.6	3.7							
Upper Gra	ave-Found	dation-Le	ewis	-	•						
108	3561	2.2	11.4	1.3	severe	severe	low	moderate			
351	1586	1.0	5.1	0.6	moderate	moderate	high	severe			
401	532	0.3	1.7	0.2	moderate	slight	high	severe			
404	3211	2.0	10.3	1.2	moderate	moderate	low	moderate			
405	7	0.0	0.0	0.0	moderate	slight	low	moderate			
407	1943	1.2	6.2	0.7	moderate	moderate	high	severe			
	10840	6.7	34.8	4.0							
Williams			-		-						
108	1151	0.7	4.3	0.4	severe	severe	low	moderate			
322	13	0.0	0.1	0.0	moderate	severe	low	moderate			
401	752	0.5	2.8	0.3	moderate	slight	high	severe			
405	533	0.3	2.0	0.2	moderate	slight	low	moderate			
406	813	0.5	3.0	0.3	moderate	slight	low	moderate			
407	2280	1.4	8.5	0.8	moderate	moderate	high	severe			
408	1071	0.7	4.0	0.4	moderate	slight	high	severe			
	6613	4.1	24.8	2.4							
Grave Cre	ek Water	shed	-		-						
102	8	0.0		0.0	moderate	severe	low	moderate			
103	4433	2.8		1.6	moderate	severe	high	severe			
105	35	0.0		0.0	moderate	severe	low	moderate			
106	1	0.0		0.0	moderate	severe	low	moderate			
108	12038	7.5		4.4	severe	severe	low	moderate			
321	69	0.0		0.0	moderate	moderate	low	moderate			
322	13	0.0		0.0	moderate	severe	low	moderate			
323	1154	0.7		0.4	severe	severe	low	moderate			
324	204	0.1		0.1	moderate	moderate	low	moderate			
351	1939	1.2		0.7	moderate	moderate	high	severe			
401	1658	1.0		0.6	moderate	slight	high	severe			
404	5855	3.6		2.1	moderate	moderate	low	moderate			
405	1115	0.7		0.4	moderate	slight	low	moderate			
406	813	0.5		0.3	moderate	slight	low	moderate			
407	24370	15.1		8.9	moderate	moderate	high	severe			
408	2748	1.7		1.0	moderate	slight	high	severe			
	56453	35.1		20.6							