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**Appendix C:  
WEPP: Road Modeling Results from  
Sample Sections**

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Roads Analysis Plan for the Jicarilla Ranger District of the Carson National Forest

Section ID	Road Segment <sup>1</sup>	Flows Into Point <sup>2</sup>	High Point <sup>3</sup> (meters)	Low Point (meters)	Length <sup>4</sup> (meters)	Gradient <sup>5</sup> (%)	TES Map Unit	Sediment Yield (lbs/year)	Total Sediment Yield (lbs/year)	Total Sediment Yield (tons/year)
24; T32N.R4W	3-1	1	2,076.67	2,071.11	90.84	6.12	162	7,208		
	4-3	1	2,087.11	2,076.67	122.96	8.49	162	15,171		
	2-3	1	2,080.44	2,076.67	48.17	7.83	162	3,326		
	5-1	1	XXX	2,071.11	242.8	1.00	162	4,970		
	7-6	6	2,069.44	2,059.44	231.83	4.31	162	20,135		
	8-6	6	2,077.44	2,059.44	243.79	7.38	162	35,497		
	11-9	9	2,087.56	2,084.78	54.27	5.12	162	2,847		
	10-9	9	2,101.67	2,084.78	251.52	6.72	162	33,731		
					<b>4,219.751</b>	<b>5.87</b>			122,885	61.4
	29; T32N.R4W	16-83	12	2,228	2,224.44	184.96	1.92	162	6,705	
14-83		12	2,232.56	2,224.44	191.41	4.24	162	15,215		
83-12		12	2,224.44	2,222.67	50.85	3.48	162	1,869		
13-12		12	2,225	2,222.67	238.78	0.98	162	4,790		
18-17		17	2,214.11	2,209.67	64.7	6.86	162	4,739		
19-17		17	XXX	2,209.67	240.56	1.00	162	4,934		
16-15		strm1	2,228	2,214.11	240.88	5.77	162	7,165		
18-20		strm2	2,214.11	2,209	217.25	2.35	162	5,482		
					<b>4,689.6</b>	<b>3.33</b>			50,899	25.4
26; T32N.R05W		22-21	21	2,104.89	2,096.11	83.18	10.56	769	13,526	
	23-21	21	2,111	2,096.11	77.15	19.30	769	18,933		
	25-24	24	2,108.56	2,101.78	110.13	6.16	769	12,894		
	26-24	24	2,104.44	2,101.78	57.75	4.61	769	3,817		
					<b>1,076.804</b>	<b>10.15</b>			49,170	24.6
13; T31N.R5W	28-27	strm3	2,035.11	2,029.67	200.24	4.00	119	1,142		
	39-38	strm4	1,979.11	1,974	231.58	2.21	71	2,282		
	39-36	strm5	1,979.11	1,979	89.71	0.12	71	155		
	37-36	strm5	1,994.78	1,979	245.9	6.42	71/ 769	3,191		
	34-33	33	1,992.11	1,991.33	134.93	0.58	71/ 769	1,630		
	35-33	33	1,996.56	1,991.33	36.29	14.41	769	4,565		

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	35-30	29	1,996.56	1,995.89	196.52	0.34	71/769	1,145		
	31-30	29	2,017.89	1,995.89	225.35	9.76	71/761	47,385		
	30-29	29	1,995.89	1,995	11.63	7.65	119	344		
	32-29	29	2,008.78	1,995	223.36	6.17	71	26,940		
					<b>5,234.613</b>	<b>5.17</b>			88,779	44.4
31; T29N.R4W	55-54	strm6	2,239	2,227.89	236.73	4.69	162	1,353		
	56-54	strm6	2,236.22	2,227.89	236.67	3.52	162	1,088		
	57-40	40	2,123.89	2,123.56	6.03	5.47	731	108		
	41-40	40	2,124.11	2,123.56	75.27	0.73	731	979		
	42-41	41	2,136.67	2,124.11	187.2	6.71	731	26,114		
	44-43	strm7	2,143.89	2,134.56	247	3.78	769/731	15,668		
	46-45	45	XXX	2,157.22	82.71	1.00	769	1,753		
	45-47	45	2,157.22	2,157	23.75	0.93	769	265		
	48-47	47	2,178	2,157	244.9	8.57	731/769	54,633		
50-49	strm8	2,181.67	2,178.78	53.44	5.41	769	1,438			
51-49	strm8	2,194.78	2,178.78	242.91	6.59	769	18,783			
53-52	strm9	2,287.33	2,233.33	247.45	21.82	769/162	38,858			
				<b>6,181.299</b>	<b>5.77</b>			161,040	80.5	
24; T28N.R4W	59-58	strm10	2,185.22	2,182.78	126.38	1.93	70	1,017		
	60-58	strm10	2,195.89	2,182.78	228.52	5.74	70	4,728		
	63-61	61	2,208.78	2,198.22	119.22	8.86	70	14,335		
	62-61	61	2,198.56	2,198.22	31.31	1.09	70	319		
	64-62	62	2,211	2,198.56	244.72	5.08	70	23,798		
67-65	65	XXX	2,212	11.89	1.00	721	67			
84-65	65	2,218.56	2,212	44.85	14.63	721	3,686			
68-84	65	2,221.33	2,218.56	73.36	3.78	721	2,684			

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	66-84	65	2,227.89	2,218.56	198.94	4.69	721	13,497			
	69-84	65	2,231	2,218.56	196.87	6.32	721	17,513			
						<b>4,186.549</b>	<b>5.31</b>			81,644	40.8
22; T27N.R4W	82-81	strm11	2,116.22	2,108	224.53	3.66	71	1,898	1,898	0.9	
						<b>736.647</b>					
24; T27N.R4W	70-71	71	2,201	2,181.78	236.14	8.14	721	28,193			
	72-71	71	2,193.11	2,181.78	68.07	16.64	721	7,807			
	74-73	73	2,180.67	2,180.67	113.6	1.00	721	1,567			
	75-73	73	2,187.33	2,180.67	240.9	2.76	721	10,679			
	74-76	strm12	2,180.67	2,176.56	230.72	1.78	721	2,199			
	79-78	78	2,180.22	2,172.56	232.76	3.29	721	11,762			
	77-78	78	2,175.67	2,172.56	64.09	4.85	721	2,665			
80-77	77	2,177.11	2,175.67	245.8	0.59	721	2,433				
					<b>4,698.425</b>	<b>4.88</b>			67,305	33.7	

- Notes: (1) Road Segments are listed HIGH point to LOW point.  
 (2) "strm#" indicates low point in stream channel.  
 (3) XXX indicates high point is located outside the section.  
 (4) Bold number indicates total length for the section.  
 (5) Bold number indicates average gradient.

Factor developed from modeling of sample sections will be applied to calculate sediment yield on all roads in the District.

