

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Buffalo"/>	Watershed Code	<input type="text" value="09020106"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Forest"/>	Landuse Acres	<input type="text" value="53,465"/>	Interest Rate	<input type="text" value="5%"/>
Typical Unit Size (ac)	<input type="text" value="100"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate	<input type="text" value="5%"/>	COMPARE	<input type="text" value="6%"/>	Calculated Participation Rate
	<i>(Based on Watershed Profile)</i>			<i>(Based on Projected Future Conditions)</i>	
				<input type="button" value="Next"/>	

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	92%	49,188	Baseline	94%	46,237	Baseline	86%	46,237	46,237	0
			Progressive	3%	1,476					
			RMS	3%	1,476					

Must Total 100% 100%

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	7%	3,743	Progressive	95%	3,555	Progressive	9%	5,031	3,555	1,476
			RMS	5%	187					

Must Total 100% 100%

Current Conditions			0			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	1%	535	RMS	100%	535	RMS	4%	2,197	535	1,663

Grand Totals	100%	53,465					100%	53,465	50,327	3,138
---------------------	-------------	---------------	--	--	--	--	-------------	---------------	---------------	--------------

DOCUMENTATION SECTION

PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor.

Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)

Back

Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
394	x 1,000	x 1,500	x 2,000	FEET per TU	Firebreak (ft.) 394
472	25.0%	10.0%	x 100.0%	PERCENT of TU	Use Exclusion (ac.) 472
490	10.0%	x 10.0%	x 10.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
612	10.0%	x 10.0%	x 10.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
643	100.0%	100.0%	x 10.0%	PERCENT of TU	Restoration and Management of Declining Habitats (ac.) 643
645	30.0%	x 10.0%	x 100.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
666	10.0%	30.0%	x 100.0%	PERCENT of TU	Forest Stand Improvement (ac.) 666
391	25.0%	25.0%	2.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
595	100.0%	8.0%	5.0%	PERCENT of TU	Pest Management (ac.) 595
327	10.0%	10.0%	10.0%	PERCENT of TU	Conservation Cover (ac.) 327
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
344	80.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
362	500	500	25	FEET per TU	Diversion (ft.) 362
380	500	500	500	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380
393	10.0%	1.0%	2.0%	PERCENT of TU	Filter Strip (ac.) 393
412	5.0%	0.5%	1.0%	PERCENT of TU	Grassed Waterway (ac.) 412
590	100.0%	10.0%	100.0%	PERCENT of TU	Nutrient Management (ac.) 590
600	5,000	5,000	100	FEET per TU	Terrace (ft.) 600
606	10,000	16,000	20,000	FEET per TU	Subsurface Drain (ft.) 606
633	100.0%	100.0%	10.0%	PERCENT of TU	Waste Utilization (ac.) 633
638	1	1	2	NUMBER per TU	Water & Sediment Control Basin (no.) 638
644	100.0%	100.0%	1.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644
657	100.0%	100.0%	0.5%	PERCENT of TU	Wetland Restoration (ac.) 657
329A	100.0%	5.0%	8.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329A
329B	100.0%	40.0%	92.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 329B
342	5.0%	5.0%	5.0%	PERCENT of TU	Critical Area Planting (ac.) 342
484	100.0%	100.0%	100.0%	PERCENT of TU	Mulching (ac.) 484
620	50	50	50	FEET per TU	Underground Outlet (ft.) 620
330	100.0%	100.0%	100.0%	PERCENT of TU	Contour Farming (ac.) 330
340	100.0%	100.0%	100.0%	PERCENT of TU	Cover Crop (ac.) 340

Help

WATERSHED NAME & CODE		BUFFALO - 09020106			LANDUSE ACRES		53,465		
LANDUSE TYPE		FOREST			TYPICAL UNIT SIZE ACRES		100		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		6%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Plant Condition – Productivity, Health and Vigor	Plant Condition – Wildfire Hazard	Fish and Wildlife – Habitat Fragmentation	Fish and Wildlife – T & E Fish/Wildlife Species: Listed or Proposed under ESA
Baseline System		System Rating ->			0	3	0	0	
Total Acreage at Baseline Level		49,188	46,237	0	46,237				
Firebreak (ft.) 394		491,878	462,365	0	462,365	0	5	0	0
Progressive System		System Rating ->			4	4	4	3	
Total Acreage at Progressive Level		3,743	3,555	1,476	5,031				
Firebreak (ft.) 394		56,138	68,088	7,378	75,466	0	5	0	0
Forest Site Preparation (ac.) 490		374	356	148	503	5	3	0	0
Tree/Shrub Establishment (ac.) 612		374	356	148	503	4	0	3	5
Upland Wildlife Habitat Management (ac.) 645		374	356	148	503	4	0	5	0
Resource Management System (RMS)		System Rating ->			5	4	4	4	
Total Acreage at RMS Level		535	535	1,663	2,197				
Firebreak (ft.) 394		10,693	28,256	15,692	43,948	0	5	0	0
Forest Site Preparation (ac.) 490		53	72	148	220	5	3	0	0
Forest Stand Improvement (ac.) 666		535	535	1,663	2,197	5	5	0	0
Restoration and Management of Declining Habitats (ac.) 643		53	53	166	220	5	0	5	3
Tree/Shrub Establishment (ac.) 612		53	72	148	220	4	0	3	5
Upland Wildlife Habitat Management (ac.) 645		535	553	1,644	2,197	4	0	5	0
Use Exclusion (ac.) 472		535	535	1,663	2,197	3	0	2	0
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT			PRIVATE INVESTMENT			
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		1475.634							
Firebreak (ft.) 394		7,378	\$11,067	\$0	\$2,213	\$13,281	\$11,067	\$3,320	\$25,442
Forest Site Preparation (ac.) 490		148	\$0	\$74,310	\$14,862	\$82,317	\$0	\$24,770	\$39,786
Tree/Shrub Establishment (ac.) 612		148	\$72,427	\$0	\$14,485	\$86,912	\$72,427	\$0	\$72,427
Upland Wildlife Habitat Management (ac.) 645		148	\$14,513	\$0	\$2,903	\$17,415	\$14,513	\$0	\$14,513
Subtotal			\$98,007	\$74,310	\$34,463	\$199,925	\$98,007	\$28,090	\$152,168
Resource Management System (RMS) Acres Treated		1662.7615							
Firebreak (ft.) 394		15,692	\$23,538	\$0	\$4,708	\$28,246	\$23,538	\$7,061	\$54,110
Forest Site Preparation (ac.) 490		148	\$0	\$74,310	\$14,862	\$82,317	\$0	\$24,770	\$39,786
Forest Stand Improvement (ac.) 666		1,663	\$148,086	\$0	\$29,617	\$177,703	\$148,086	\$0	\$148,086
Restoration and Management of Declining Habitats (ac.) 643		166	\$64,710	\$0	\$12,942	\$77,652	\$64,710	\$1,294	\$70,313
Tree/Shrub Establishment (ac.) 612		148	\$72,427	\$0	\$14,485	\$86,912	\$72,427	\$0	\$72,427
Upland Wildlife Habitat Management (ac.) 645		1,644	\$161,692	\$0	\$32,338	\$194,031	\$161,692	\$0	\$161,692
Use Exclusion (ac.) 472		1,663	\$103,923	\$0	\$20,785	\$124,707	\$103,923	\$6,235	\$130,918
Subtotal			\$574,375	\$74,310	\$129,737	\$771,567	\$574,375	\$39,361	\$677,332
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		3138.3955	\$672,382	\$148,620	\$164,200	\$971,492	\$672,382	\$67,451	\$829,501

Note: Estimates for Matrices are for general planning purposes only and not based on actual funding.