

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Blackwater River"/>	Watershed Code	<input type="text" value="10300104"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Cultivated Cropland"/>	Landuse Acres	<input type="text" value="424,800"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="160"/>	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 <small>(Based on Watershed Profile)</small>	COMPARE	<input type="text" value="25%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<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	5%	21,240	Baseline	75%	15,930	Baseline	4%	15,930	15,930	0
			Progressive	20%	4,248					
			RMS	5%	1,062					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	80%	339,840	Progressive	75%	254,880	Progressive	61%	259,128	254,880	4,248
			RMS	25%	84,960					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	15%	63,720	RMS	100%	63,720	RMS	35%	149,742	63,720	86,022
Grand Totals	100%	424,800					100%	424,800	334,530	90,270

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)

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
327	0.0%	0.0%	x 5.0%	PERCENT of TU	Conservation Cover (ac.) 327
328	x 95.0%	x 95.0%	x 95.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	0.0%	x 15.0%	x 50.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
330	x 50.0%	x 90.0%	x 100.0%	PERCENT of TU	Contour Farming (ac.) 330
344	x 50.0%	0.0%	0.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
345	0.0%	x 70.0%	x 50.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345
362	0	0	x 5,000	FEET per TU	Diversion (ft.) 362
386	0	0	x 23,000	FEET per TU	Field Border (ft.) 386
393	0.0%	0.0%	x 1.0%	PERCENT of TU	Filter Strip (ac.) 393
410	0	x 1	x 2	NUMBER per TU	Grade Stabilization Structure (no.) 410
412	x 1.0%	x 1.0%	x 2.0%	PERCENT of TU	Grassed Waterway (ac.) 412
590	0.0%	x 25.0%	x 75.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	x 25.0%	x 75.0%	PERCENT of TU	Pest Management (ac.) 595
600	x 5,000	x 16,000	x 32,000	FEET per TU	Terrace (ft.) 600
620	0	x 3,250	x 6,500	FEET per TU	Underground Outlet (ft.) 620
645	0.0%	0.0%	x 5.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
528	0.0%	0.0%	100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
317	1	1	1	NUMBER per TU	Composting Facility (no.) 317
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464

Help

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104			LANDUSE ACRES		424,800		
LANDUSE TYPE		CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		160		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		25%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Soil Erosion – Classic Gully	Soil Condition – Organic Matter Depletion
Baseline System		System Rating ->			4	4	3	3	
Total Acreage at Baseline Level		21,240	15,930	0	15,930				
Conservation Crop Rotation (ac.) 328		20,178	15,134	0	15,134	4	2	1	4
Contour Farming (ac.) 330		10,620	7,965	0	7,965	3	2	1	2
Grassed Waterway (ac.) 412		212	159	0	159	0	5	4	3
Residue Management, Seasonal (ac.) 344		10,620	7,965	0	7,965	2	1	1	1
Terrace (ft.) 600		663,750	497,813	0	497,813	5	4	2	1
Progressive System		System Rating ->			5	5	4	4	
Total Acreage at Progressive Level		339,840	254,880	4,248	259,128				
Conservation Crop Rotation (ac.) 328		322,848	246,172	0	246,172	4	2	1	4
Contour Farming (ac.) 330		305,856	231,516	1,699	233,215	3	2	1	2
Grade Stabilization Structure (no.) 410		2,124	1,593	27	1,620	0	0	5	0
Grassed Waterway (ac.) 412		3,398	2,591	0	2,591	0	5	4	3
Nutrient Management (ac.) 590		84,960	63,720	1,062	64,782	0	0	0	2
Pest Management (ac.) 595		84,960	63,720	1,062	64,782	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		237,888	178,416	2,974	181,390	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		50,976	38,232	637	38,869	5	5	1	4
Terrace (ft.) 600		33,984,000	25,620,750	292,050	25,912,800	5	4	2	1
Underground Outlet (ft.) 620		6,903,000	5,177,250	86,288	5,263,538	0	5	4	0
Resource Management System (RMS)		System Rating ->			5	5	5	5	
Total Acreage at RMS Level		63,720	63,720	86,022	149,742				
Conservation Cover (ac.) 327		3,186	3,186	4,301	7,487	5	2	1	3
Conservation Crop Rotation (ac.) 328		60,534	142,255	0	142,255	4	2	1	4
Contour Farming (ac.) 330		63,720	140,715	9,027	149,742	3	2	1	2
Diversion (ft.) 362		1,991,250	1,991,250	2,688,188	4,679,438	1	3	3	0
Field Border (ft.) 386		9,159,750	9,159,750	12,365,663	21,525,413	4	3	2	4
Filter Strip (ac.) 393		637	637	860	1,497	3	0	0	5
Grade Stabilization Structure (no.) 410		797	1,328	544	1,872	0	0	5	0
Grassed Waterway (ac.) 412		1,274	2,135	860	2,995	0	5	4	3
Nutrient Management (ac.) 590		47,790	69,030	43,277	112,307	0	0	0	2
Pest Management (ac.) 595		47,790	69,030	43,277	112,307	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		31,860	74,340	531	74,871	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		31,860	44,604	30,267	74,871	5	5	1	4
Terrace (ft.) 600		12,744,000	21,273,188	8,675,213	29,948,400	5	4	2	1
Underground Outlet (ft.) 620		2,588,625	4,314,375	1,768,894	6,083,269	0	5	4	0
Upland Wildlife Habitat Management (ac.) 645		3,186	3,186	4,301	7,487	3	3	2	0

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104				LANDUSE ACRES		424,800	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		160	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		25%	
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		4,248							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		1,699	\$0	\$25,488	\$5,098	\$27,808	\$0	\$8,496	\$13,078
Grade Stabilization Structure (no.) 410		27	\$135,138	\$0	\$27,028	\$162,165	\$135,138	\$8,108	\$169,292
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		1,062	\$0	\$40,367	\$8,073	\$44,040	\$0	\$13,456	\$20,713
Pest Management (ac.) 595		1,062	\$0	\$67,989	\$13,598	\$74,177	\$0	\$22,663	\$34,886
Residue and Tillage Management, Mulch Till (ac.) 345		2,974	\$0	\$89,208	\$17,842	\$97,326	\$0	\$29,736	\$45,774
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		637	\$0	\$34,657	\$6,931	\$37,811	\$0	\$11,552	\$17,783
Terrace (ft.) 600		292,050	\$299,351	\$0	\$59,870	\$359,222	\$299,351	\$11,974	\$349,790
Underground Outlet (ft.) 620		86,288	\$18,552	\$0	\$3,710	\$22,262	\$18,552	\$1,113	\$23,241
Subtotal			\$453,041	\$257,709	\$142,150	\$824,810	\$453,041	\$107,098	\$674,558
Resource Management System (RMS) Acres Treated		86,022							
Conservation Cover (ac.) 327		4,301	\$272,152	\$0	\$54,430	\$326,583	\$272,152	\$5,443	\$295,080
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		9,027	\$0	\$135,405	\$27,081	\$147,727	\$0	\$45,135	\$69,479
Diversion (ft.) 362		2,688,188	\$2,311,841	\$0	\$462,368	\$2,774,210	\$2,311,841	\$92,474	\$2,701,374
Field Border (ft.) 386		12,365,663	\$309,142	\$0	\$61,828	\$370,970	\$309,142	\$12,366	\$361,230
Filter Strip (ac.) 393		860	\$30,108	\$0	\$6,022	\$36,129	\$30,108	\$1,806	\$37,717
Grade Stabilization Structure (no.) 410		544	\$2,770,319	\$0	\$554,064	\$3,324,383	\$2,770,319	\$166,219	\$3,470,494
Grassed Waterway (ac.) 412		860	\$876,680	\$0	\$175,336	\$1,052,016	\$876,680	\$52,601	\$1,098,254
Nutrient Management (ac.) 590		43,277	\$0	\$1,644,940	\$328,988	\$1,794,636	\$0	\$548,313	\$844,047
Pest Management (ac.) 595		43,277	\$0	\$2,770,562	\$554,112	\$3,022,694	\$0	\$923,521	\$1,421,623
Residue and Tillage Management, Mulch Till (ac.) 345		531	\$0	\$15,930	\$3,186	\$17,380	\$0	\$5,310	\$8,174
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		30,267	\$0	\$1,646,222	\$329,244	\$1,796,035	\$0	\$548,741	\$844,705
Terrace (ft.) 600		8,675,213	\$8,892,093	\$0	\$1,778,419	\$10,670,511	\$8,892,093	\$355,684	\$10,390,362
Underground Outlet (ft.) 620		1,768,894	\$380,312	\$0	\$76,062	\$456,375	\$380,312	\$22,819	\$476,433
Upland Wildlife Habitat Management (ac.) 645		4,301	\$0	\$193,550	\$38,710	\$211,163	\$0	\$64,517	\$99,314
Subtotal			\$15,842,647	\$6,406,608	\$4,449,851	\$26,000,811	\$15,842,647	\$2,844,947	\$22,118,286
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		4301.1	\$16,295,687	\$6,664,317	\$4,592,001	\$26,825,621	\$16,295,687	\$2,952,046	\$22,792,845

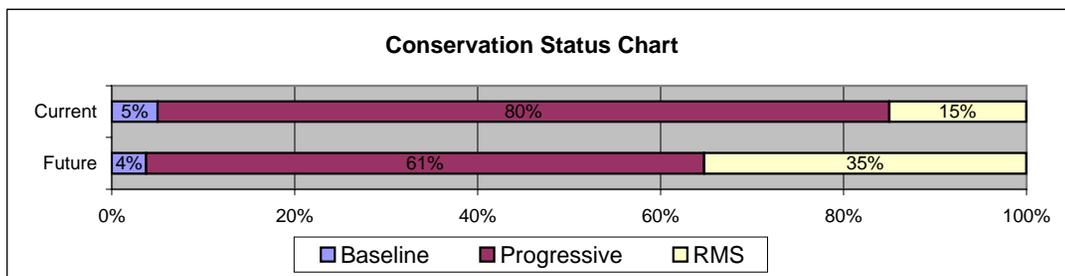


Chart Refers To	
Landuse Type	CULTIVATED CROPLAND
Estimated Participation Rate	25%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$194	\$159
RMS	\$302	\$257

Estimated FTE per Year	9.2
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WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104						LANDUSE ACRES			424,800
LANDUSE TYPE		CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			160
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION				25%
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
Progressive System Acres Treated		4,248									
Conservation Crop Rotation (ac.) 328	0	X	X								
Contour Farming (ac.) 330	1,699	X									
Grade Stabilization Structure (no.) 410	27	X	X								
Grassed Waterway (ac.) 412	0	X	X				X				
Nutrient Management (ac.) 590	1,062	X	X								
Pest Management (ac.) 595	1,062	X	X								
Residue and Tillage Management, Mulch Till (ac.) 345	2,974	X									
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	637	X	X								
Terrace (ft.) 600	292,050	X	X				X				
Underground Outlet (ft.) 620	86,288	X	X								
Resource Management System (RMS) Acres Treated		86,022									
Conservation Cover (ac.) 327	4,301	X	X				X				
Conservation Crop Rotation (ac.) 328	0	X	X								
Contour Farming (ac.) 330	9,027	X									
Diversion (ft.) 362	2,688,188	X	X	X							
Field Border (ft.) 386	12,365,663	X	X				X				
Filter Strip (ac.) 393	860	X					X				
Grade Stabilization Structure (no.) 410	544	X	X								
Grassed Waterway (ac.) 412	860	X	X				X				
Nutrient Management (ac.) 590	43,277	X	X								
Pest Management (ac.) 595	43,277	X	X								
Residue and Tillage Management, Mulch Till (ac.) 345	531	X									
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	30,267	X	X								
Terrace (ft.) 600	8,675,213	X	X				X				
Underground Outlet (ft.) 620	1,768,894	X	X								
Upland Wildlife Habitat Management (ac.) 645	4,301	X	X								

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104				LANDUSE ACRES		424,800	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		160	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		25%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Soil Erosion – Classic Gully	Soil Condition – Organic Matter Depletion
Baseline System		System Rating ->				4	4	3	3
Total Acreage at Baseline Level		21,240	15,930	0	15,930				
Conservation Crop Rotation (ac.) 328		20,178	15,134	0	15,134	4	2	1	4
Contour Farming (ac.) 330		10,620	7,965	0	7,965	3	2	1	2
Grassed Waterway (ac.) 412		212	159	0	159	0	5	4	3
Residue Management, Seasonal (ac.) 344		10,620	7,965	0	7,965	2	1	1	1
Terrace (ft.) 600		663,750	497,813	0	497,813	5	4	2	1
Progressive System		System Rating ->				5	5	4	4
Total Acreage at Progressive Level		339,840	254,880	4,248	259,128				
Conservation Crop Rotation (ac.) 328		322,848	246,172	0	246,172	4	2	1	4
Contour Farming (ac.) 330		305,856	231,516	1,699	233,215	3	2	1	2
Grade Stabilization Structure (no.) 410		2,124	1,593	27	1,620	0	0	5	0
Grassed Waterway (ac.) 412		3,398	2,591	0	2,591	0	5	4	3
Nutrient Management (ac.) 590		84,960	63,720	1,062	64,782	0	0	0	2
Pest Management (ac.) 595		84,960	63,720	1,062	64,782	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		237,888	178,416	2,974	181,390	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		50,976	38,232	637	38,869	5	5	1	4
Terrace (ft.) 600		33,984,000	25,620,750	292,050	25,912,800	5	4	2	1
Underground Outlet (ft.) 620		6,903,000	5,177,250	86,288	5,263,538	0	5	4	0
Resource Management System (RMS)		System Rating ->				5	5	5	5
Total Acreage at RMS Level		63,720	63,720	86,022	149,742				
Conservation Cover (ac.) 327		3,186	3,186	4,301	7,487	5	2	1	3
Conservation Crop Rotation (ac.) 328		60,534	142,255	0	142,255	4	2	1	4
Contour Farming (ac.) 330		63,720	140,715	9,027	149,742	3	2	1	2
Diversion (ft.) 362		1,991,250	1,991,250	2,688,188	4,679,438	1	3	3	0
Field Border (ft.) 386		9,159,750	9,159,750	12,365,663	21,525,413	4	3	2	4
Filter Strip (ac.) 393		637	637	860	1,497	3	0	0	5
Grade Stabilization Structure (no.) 410		797	1,328	544	1,872	0	0	5	0
Grassed Waterway (ac.) 412		1,274	2,135	860	2,995	0	5	4	3
Nutrient Management (ac.) 590		47,790	69,030	43,277	112,307	0	0	0	2
Pest Management (ac.) 595		47,790	69,030	43,277	112,307	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		31,860	74,340	531	74,871	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		31,860	44,604	30,267	74,871	5	5	1	4
Terrace (ft.) 600		12,744,000	21,273,188	8,675,213	29,948,400	5	4	2	1
Underground Outlet (ft.) 620		2,588,625	4,314,375	1,768,894	6,083,269	0	5	4	0
Upland Wildlife Habitat Management (ac.) 645		3,186	3,186	4,301	7,487	3	3	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		4248							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		1,699	\$0	\$25,488	\$5,098	\$27,808	\$0	\$8,496	\$13,078
Grade Stabilization Structure (no.) 410		27	\$135,138	\$0	\$27,028	\$162,165	\$135,138	\$8,108	\$169,292
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		1,062	\$0	\$40,367	\$8,073	\$44,040	\$0	\$13,456	\$20,713
Pest Management (ac.) 595		1,062	\$0	\$67,989	\$13,598	\$74,177	\$0	\$22,663	\$34,886
Residue and Tillage Management, Mulch Till (ac.) 345		2,974	\$0	\$89,208	\$17,842	\$97,326	\$0	\$29,736	\$45,774
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		637	\$0	\$34,657	\$6,931	\$37,811	\$0	\$11,552	\$17,783
Terrace (ft.) 600		292,050	\$299,351	\$0	\$59,870	\$359,222	\$299,351	\$11,974	\$349,790
Underground Outlet (ft.) 620		86,288	\$18,552	\$0	\$3,710	\$22,262	\$18,552	\$1,113	\$23,241
		Subtotal	\$453,041	\$257,709	\$142,150	\$824,810	\$453,041	\$107,098	\$674,558
Resource Management System (RMS) Acres Treated		86022							
Conservation Cover (ac.) 327		4,301	\$272,152	\$0	\$54,430	\$326,583	\$272,152	\$5,443	\$295,080
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		9,027	\$0	\$135,405	\$27,081	\$147,727	\$0	\$45,135	\$69,479
Diversion (ft.) 362		2,688,188	\$2,311,841	\$0	\$462,368	\$2,774,210	\$2,311,841	\$92,474	\$2,701,374
Field Border (ft.) 386		12,365,663	\$309,142	\$0	\$61,828	\$370,970	\$309,142	\$12,366	\$361,230
Filter Strip (ac.) 393		860	\$30,108	\$0	\$6,022	\$36,129	\$30,108	\$1,806	\$37,717
Grade Stabilization Structure (no.) 410		544	\$2,770,319	\$0	\$554,064	\$3,324,383	\$2,770,319	\$166,219	\$3,470,494
Grassed Waterway (ac.) 412		860	\$876,680	\$0	\$175,336	\$1,052,016	\$876,680	\$52,601	\$1,098,254
Nutrient Management (ac.) 590		43,277	\$0	\$1,644,940	\$328,988	\$1,794,636	\$0	\$548,313	\$844,047
Pest Management (ac.) 595		43,277	\$0	\$2,770,562	\$554,112	\$3,022,694	\$0	\$923,521	\$1,421,623
Residue and Tillage Management, Mulch Till (ac.) 345		531	\$0	\$15,930	\$3,186	\$17,380	\$0	\$5,310	\$8,174
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		30,267	\$0	\$1,646,222	\$329,244	\$1,796,035	\$0	\$548,741	\$844,705
Terrace (ft.) 600		8,675,213	\$8,892,093	\$0	\$1,778,419	\$10,670,511	\$8,892,093	\$355,684	\$10,390,362
Underground Outlet (ft.) 620		1,768,894	\$380,312	\$0	\$76,062	\$456,375	\$380,312	\$22,819	\$476,433
Upland Wildlife Habitat Management (ac.) 645		4,301	\$0	\$193,550	\$38,710	\$211,163	\$0	\$64,517	\$99,314
		Subtotal	\$15,842,647	\$6,406,608	\$4,449,851	\$26,000,811	\$15,842,647	\$2,844,947	\$22,118,286
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		90270	\$16,295,687	\$6,664,317	\$4,592,001	\$26,825,621	\$16,295,687	\$2,952,046	\$22,792,845

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

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Blackwater River"/>	Watershed Code	<input type="text" value="10300104"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Non-Cultivated Cropland"/>	Landuse Acres	<input type="text" value="84,500"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="10"/>	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 <small>(Based on Watershed Profile)</small>	COMPARE	<input type="text" value="10%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<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	10%	8,450	Baseline	95%	8,028	Baseline	10%	8,028	8,028	0
			Progressive	5%	423					
			RMS	5%	423					
			<i>Must Total 100%</i>	<i>105%</i>						
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	10%	8,450	Progressive	90%	7,605	Progressive	10%	8,028	7,605	423
			RMS	10%	845					
			<i>Must Total 100%</i>	<i>100%</i>						
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	80%	67,600	RMS	100%	67,600	RMS	82%	68,868	67,600	1,268
Grand Totals	100%	84,500					101%	84,923	83,233	1,690

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)

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Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
327	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Conservation Cover (ac.) 327
338	0.0%	0.0%	x 33.0%	PERCENT of TU	Prescribed Burning (ac.) 338
342	x 10.0%	x 10.0%	x 10.0%	PERCENT of TU	Critical Area Planting (ac.) 342
356	0	0	x 1,000	FEET per TU	Dike (ft.) 356
386	x 2,640	x 2,640	x 2,640	FEET per TU	Field Border (ft.) 386
391	0.0%	0.0%	x 1.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
393	x 1.0%	x 1.0%	x 1.0%	PERCENT of TU	Filter Strip (ac.) 393
412	5.0%	x 0.5%	x 0.5%	PERCENT of TU	Grassed Waterway (ac.) 412
472	x 1.0%	x 1.0%	x 1.0%	PERCENT of TU	Use Exclusion (ac.) 472
490	0.0%	0.0%	x 1.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
511	0.0%	x 10.0%	x 10.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
587	0	0	x 1	NUMBER per TU	Structure for Water Control (no.) 587
612	0.0%	0.0%	x 1.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
644	0.0%	x 40.0%	x 40.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644
645	0.0%	x 60.0%	x 60.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
646	0.0%	40.0%	x 40.0%	PERCENT of TU	Shallow Water Management for Wildlife (ac.) 646
657	0.0%	x 40.0%	x 40.0%	PERCENT of TU	Wetland Restoration (ac.) 657
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443

Help

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104			LANDUSE ACRES		84,500		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		10		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		10%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants	Fish and Wildlife – Habitat Fragmentation
Baseline System		System Rating ->			3	5	4	3	
Total Acreage at Baseline Level		8,450	8,028	0	8,028				
Conservation Cover (ac.) 327	8,450	8,028	0	8,028	1	4	4	2	
Critical Area Planting (ac.) 342	845	803	0	803	4	5	4	2	
Field Border (ft.) 386	2,230,800	2,119,260	0	2,119,260	2	4	4	2	
Filter Strip (ac.) 393	85	80	0	80	0	4	4	1	
Use Exclusion (ac.) 472	85	80	0	80	2	4	4	3	
Progressive System		System Rating ->			4	5	5	5	
Total Acreage at Progressive Level		8,450	7,605	423	8,028				
Conservation Cover (ac.) 327	8,450	8,028	0	8,028	1	4	4	2	
Critical Area Planting (ac.) 342	845	803	0	803	4	5	4	2	
Field Border (ft.) 386	2,230,800	2,119,260	0	2,119,260	2	4	4	2	
Filter Strip (ac.) 393	85	80	0	80	0	4	4	1	
Forage Harvest Management (ac.) 511	845	761	42	803	0	4	4	3	
Grassed Waterway (ac.) 412	42	38	2	40	4	5	4	1	
Upland Wildlife Habitat Management (ac.) 645	5,070	4,563	254	4,817	2	4	4	4	
Use Exclusion (ac.) 472	85	80	0	80	2	4	4	3	
Wetland Restoration (ac.) 657	3,380	3,042	169	3,211	0	4	4	4	
Wetland Wildlife Habitat Management (ac.) 644	3,380	3,042	169	3,211	0	4	4	4	
Resource Management System (RMS)		System Rating ->			4	5	5	5	
Total Acreage at RMS Level		67,600	67,600	1,268	68,868				
Conservation Cover (ac.) 327	67,600	68,868	0	68,868	1	4	4	2	
Critical Area Planting (ac.) 342	6,760	6,887	0	6,887	4	5	4	2	
Dike (ft.) 356	6,760,000	6,760,000	126,750	6,886,750	1	0	0	-1	
Field Border (ft.) 386	17,846,400	18,181,020	0	18,181,020	2	4	4	2	
Filter Strip (ac.) 393	676	689	0	689	0	4	4	1	
Forage Harvest Management (ac.) 511	6,760	6,845	42	6,887	0	4	4	3	
Grassed Waterway (ac.) 412	338	342	2	344	4	5	4	1	
Prescribed Burning (ac.) 338	22,308	22,308	418	22,726	1	5	4	4	
Riparian Forest Buffer (ac.) 391	676	676	13	689	3	4	4	4	
Shallow Water Management for Wildlife (ac.) 646	27,040	27,040	507	27,547	0	3	1	2	
Structure for Water Control (no.) 587	6,760	6,760	127	6,887	1	0	0	0	
Tree/Shrub Establishment (ac.) 612	676	676	13	689	2	5	4	4	
Tree/Shrub Site Preparation (ac.) 490	676	676	13	689	-2	5	4	0	
Upland Wildlife Habitat Management (ac.) 645	40,560	41,067	254	41,321	2	4	4	4	
Use Exclusion (ac.) 472	676	689	0	689	2	4	4	3	
Wetland Restoration (ac.) 657	27,040	27,378	169	27,547	0	4	4	4	
Wetland Wildlife Habitat Management (ac.) 644	27,040	27,378	169	27,547	0	4	4	4	

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104				LANDUSE ACRES		84,500	
LANDUSE TYPE		NON-CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		10	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		10%	
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		423							
Conservation Cover (ac.) 327		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Field Border (ft.) 386		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Filter Strip (ac.) 393		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forage Harvest Management (ac.) 511		42	\$169	\$0	\$34	\$203	\$169	\$51	\$383
Grassed Waterway (ac.) 412		2	\$2,153	\$0	\$431	\$2,584	\$2,153	\$129	\$2,697
Upland Wildlife Habitat Management (ac.) 645		254	\$0	\$11,408	\$2,282	\$12,446	\$0	\$3,803	\$5,853
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wetland Restoration (ac.) 657		169	\$25,350	\$0	\$5,070	\$30,420	\$25,350	\$507	\$27,486
Wetland Wildlife Habitat Management (ac.) 644		169	\$0	\$7,605	\$1,521	\$8,297	\$0	\$2,535	\$3,902
Subtotal			\$27,672	\$19,013	\$9,337	\$53,949	\$27,672	\$7,024	\$40,321
Resource Management System (RMS) Acres Treated		1,268							
Conservation Cover (ac.) 327		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dike (ft.) 356		126,750	\$158,438	\$0	\$31,688	\$190,125	\$158,438	\$6,338	\$185,133
Field Border (ft.) 386		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Filter Strip (ac.) 393		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forage Harvest Management (ac.) 511		42	\$169	\$0	\$34	\$203	\$169	\$51	\$383
Grassed Waterway (ac.) 412		2	\$2,153	\$0	\$431	\$2,584	\$2,153	\$129	\$2,697
Prescribed Burning (ac.) 338		418	\$3,689	\$0	\$738	\$4,427	\$3,689	\$0	\$3,689
Riparian Forest Buffer (ac.) 391		13	\$2,066	\$0	\$413	\$2,479	\$2,066	\$41	\$2,240
Shallow Water Management for Wildlife (ac.) 646		507	\$2,535	\$0	\$507	\$3,042	\$2,535	\$0	\$2,535
Structure for Water Control (no.) 587		127	\$214,026	\$0	\$42,805	\$256,831	\$214,026	\$12,842	\$268,119
Tree/Shrub Establishment (ac.) 612		13	\$2,066	\$0	\$413	\$2,479	\$2,066	\$0	\$2,066
Tree/Shrub Site Preparation (ac.) 490		13	\$0	\$1,703	\$341	\$1,858	\$0	\$568	\$874
Upland Wildlife Habitat Management (ac.) 645		254	\$0	\$11,408	\$2,282	\$12,446	\$0	\$3,803	\$5,853
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wetland Restoration (ac.) 657		169	\$25,350	\$0	\$5,070	\$30,420	\$25,350	\$507	\$27,486
Wetland Wildlife Habitat Management (ac.) 644		169	\$0	\$7,605	\$1,521	\$8,297	\$0	\$2,535	\$3,902
Subtotal			\$410,491	\$20,716	\$86,241	\$515,190	\$410,491	\$26,812	\$504,977
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		0	\$438,163	\$39,728	\$95,578	\$569,139	\$438,163	\$33,837	\$545,298

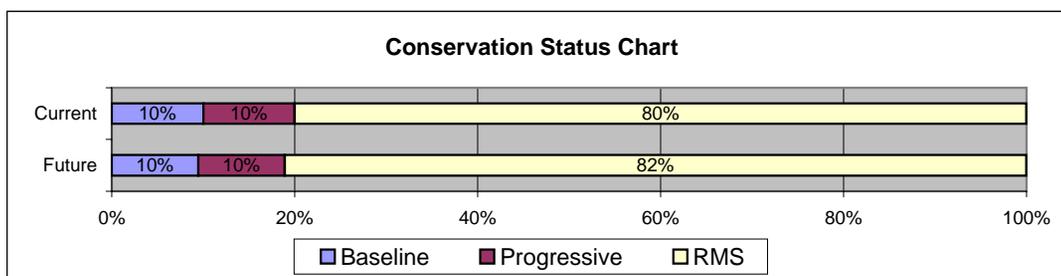


Chart Refers To	
Landuse Type	NON-CULTIVATED CROPLAND
Estimated Participation Rate	10%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$128	\$95
RMS	\$406	\$398

Estimated FTE per Year	0.2
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WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104						LANDUSE ACRES			84,500
LANDUSE TYPE		NON-CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			10
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			10%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
Progressive System Acres Treated		423									
Conservation Cover (ac.) 327	0	X	X				X				
Critical Area Planting (ac.) 342	0	X	X								
Field Border (ft.) 386	0	X	X				X				
Filter Strip (ac.) 393	0	X					X				
Forage Harvest Management (ac.) 511	42	X									
Grassed Waterway (ac.) 412	2	X	X				X				
Upland Wildlife Habitat Management (ac.) 645	254	X	X								
Use Exclusion (ac.) 472	0	X	X	X							
Wetland Restoration (ac.) 657	169	X	X	X							
Wetland Wildlife Habitat Management (ac.) 644	169	X	X	X							
Resource Management System (RMS) Acres Treated		1,268									
Conservation Cover (ac.) 327	0	X	X				X				
Critical Area Planting (ac.) 342	0	X	X								
Dike (ft.) 356	126,750	X		X							
Field Border (ft.) 386	0	X	X				X				
Filter Strip (ac.) 393	0	X					X				
Forage Harvest Management (ac.) 511	42	X									
Grassed Waterway (ac.) 412	2	X	X				X				
Prescribed Burning (ac.) 338	418	X	X								
Riparian Forest Buffer (ac.) 391	13	X	X								
Shallow Water Management for Wildlife (ac.) 646	507	X	X	X							
Structure for Water Control (no.) 587	127	X	X	X							
Tree/Shrub Establishment (ac.) 612	13	X	X	X							
Tree/Shrub Site Preparation (ac.) 490	13	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	254	X	X								
Use Exclusion (ac.) 472	0	X	X	X							
Wetland Restoration (ac.) 657	169	X	X	X							
Wetland Wildlife Habitat Management (ac.) 644	169	X	X	X							

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104			LANDUSE ACRES		84,500		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		10		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		10%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants	Fish and Wildlife – Habitat Fragmentation
Baseline System		System Rating ->			3	5	4	3	
Total Acreage at Baseline Level		8,450	8,028	0	8,028				
Conservation Cover (ac.) 327		8,450	8,028	0	8,028	1	4	4	
Critical Area Planting (ac.) 342		845	803	0	803	4	5	4	
Field Border (ft.) 386		2,230,800	2,119,260	0	2,119,260	2	4	4	
Filter Strip (ac.) 393		85	80	0	80	0	4	4	
Use Exclusion (ac.) 472		85	80	0	80	2	4	4	
Progressive System		System Rating ->			4	5	5	5	
Total Acreage at Progressive Level		8,450	7,605	423	8,028				
Conservation Cover (ac.) 327		8,450	8,028	0	8,028	1	4	4	
Critical Area Planting (ac.) 342		845	803	0	803	4	5	4	
Field Border (ft.) 386		2,230,800	2,119,260	0	2,119,260	2	4	4	
Filter Strip (ac.) 393		85	80	0	80	0	4	4	
Forage Harvest Management (ac.) 511		845	761	42	803	0	4	4	
Grassed Waterway (ac.) 412		42	38	2	40	4	5	4	
Upland Wildlife Habitat Management (ac.) 645		5,070	4,563	254	4,817	2	4	4	
Use Exclusion (ac.) 472		85	80	0	80	2	4	4	
Wetland Restoration (ac.) 657		3,380	3,042	169	3,211	0	4	4	
Wetland Wildlife Habitat Management (ac.) 644		3,380	3,042	169	3,211	0	4	4	
Resource Management System (RMS)		System Rating ->			4	5	5	5	
Total Acreage at RMS Level		67,600	67,600	1,268	68,868				
Conservation Cover (ac.) 327		67,600	68,868	0	68,868	1	4	4	
Critical Area Planting (ac.) 342		6,760	6,887	0	6,887	4	5	4	
Dike (ft.) 356		6,760,000	6,760,000	126,750	6,886,750	1	0	0	
Field Border (ft.) 386		17,846,400	18,181,020	0	18,181,020	2	4	4	
Filter Strip (ac.) 393		676	689	0	689	0	4	4	
Forage Harvest Management (ac.) 511		6,760	6,845	42	6,887	0	4	4	
Grassed Waterway (ac.) 412		338	342	2	344	4	5	4	
Prescribed Burning (ac.) 338		22,308	22,308	418	22,726	1	5	4	
Riparian Forest Buffer (ac.) 391		676	676	13	689	3	4	4	
Shallow Water Management for Wildlife (ac.) 646		27,040	27,040	507	27,547	0	3	1	
Structure for Water Control (no.) 587		6,760	6,760	127	6,887	1	0	0	
Tree/Shrub Establishment (ac.) 612		676	676	13	689	2	5	4	
Tree/Shrub Site Preparation (ac.) 490		676	676	13	689	-2	5	4	
Upland Wildlife Habitat Management (ac.) 645		40,560	41,067	254	41,321	2	4	4	
Use Exclusion (ac.) 472		676	689	0	689	2	4	4	
Wetland Restoration (ac.) 657		27,040	27,378	169	27,547	0	4	4	
Wetland Wildlife Habitat Management (ac.) 644		27,040	27,378	169	27,547	0	4	4	
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		422.5							
Conservation Cover (ac.) 327		0	\$0	\$0	\$0	\$0	\$0	\$0	
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	
Field Border (ft.) 386		0	\$0	\$0	\$0	\$0	\$0	\$0	
Filter Strip (ac.) 393		0	\$0	\$0	\$0	\$0	\$0	\$0	
Forage Harvest Management (ac.) 511		42	\$169	\$0	\$34	\$203	\$169	\$51	
Grassed Waterway (ac.) 412		2	\$2,153	\$0	\$431	\$2,584	\$2,153	\$129	
Upland Wildlife Habitat Management (ac.) 645		254	\$0	\$11,408	\$2,282	\$12,446	\$0	\$3,803	
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	
Wetland Restoration (ac.) 657		169	\$25,350	\$0	\$5,070	\$30,420	\$25,350	\$507	
Wetland Wildlife Habitat Management (ac.) 644		169	\$0	\$7,605	\$1,521	\$8,297	\$0	\$2,535	
Subtotal			\$27,672	\$19,013	\$9,337	\$53,949	\$27,672	\$7,024	\$40,321
Resource Management System (RMS) Acres Treated		1267.5							
Conservation Cover (ac.) 327		0	\$0	\$0	\$0	\$0	\$0	\$0	
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	
Dike (ft.) 356		126,750	\$158,438	\$0	\$31,688	\$190,125	\$158,438	\$6,338	
Field Border (ft.) 386		0	\$0	\$0	\$0	\$0	\$0	\$0	
Filter Strip (ac.) 393		0	\$0	\$0	\$0	\$0	\$0	\$0	
Forage Harvest Management (ac.) 511		42	\$169	\$0	\$34	\$203	\$169	\$51	
Grassed Waterway (ac.) 412		2	\$2,153	\$0	\$431	\$2,584	\$2,153	\$129	
Prescribed Burning (ac.) 338		418	\$3,689	\$0	\$738	\$4,427	\$3,689	\$0	
Riparian Forest Buffer (ac.) 391		13	\$2,066	\$0	\$413	\$2,479	\$2,066	\$41	
Shallow Water Management for Wildlife (ac.) 646		507	\$2,535	\$0	\$507	\$3,042	\$2,535	\$0	
Structure for Water Control (no.) 587		127	\$214,026	\$0	\$42,805	\$256,831	\$214,026	\$12,842	
Tree/Shrub Establishment (ac.) 612		13	\$2,066	\$0	\$413	\$2,479	\$2,066	\$0	
Tree/Shrub Site Preparation (ac.) 490		13	\$0	\$1,703	\$341	\$1,858	\$0	\$568	
Upland Wildlife Habitat Management (ac.) 645		254	\$0	\$11,408	\$2,282	\$12,446	\$0	\$3,803	
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	
Wetland Restoration (ac.) 657		169	\$25,350	\$0	\$5,070	\$30,420	\$25,350	\$507	
Wetland Wildlife Habitat Management (ac.) 644		169	\$0	\$7,605	\$1,521	\$8,297	\$0	\$2,535	
Subtotal			\$410,491	\$20,716	\$86,241	\$515,190	\$410,491	\$26,812	\$504,977
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		1690	\$438,163	\$39,728	\$95,578	\$569,139	\$438,163	\$33,837	\$545,298

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

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Blackwater"/>	Watershed Code	<input type="text" value="10300104"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Developed Land"/>	Landuse Acres	<input type="text" value="47,200"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="5"/>	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 <small>(Based on Watershed Profile)</small>	COMPARE	<input type="text" value="10%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<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	90%	42,480	Baseline	90%	38,232	Baseline	81%	38,232	38,232	0
			Progressive	10%	4,248					
			RMS	0%	0					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	5%	2,360	Progressive	95%	2,242	Progressive	14%	6,490	2,242	4,248
			RMS	5%	118					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	5%	2,360	RMS	100%	2,360	RMS	5%	2,478	2,360	118
Grand Totals	100%	47,200					100%	47,200	42,834	4,366

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)

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Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
338	0.0%	x 20.0%	x 20.0%	PERCENT of TU	Prescribed Burning (ac.) 338
351	0	0	x 1	NUMBER per TU	Well Decommissioning (no.) 351
432	0	x 1	0	NUMBER per TU	Dry Hydrant (no.) 432
590	x 60.0%	x 60.0%	x 60.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	x 60.0%	x 60.0%	x 60.0%	PERCENT of TU	Pest Management (ac.) 595
644	0.0%	x 20.0%	x 20.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644
645	0.0%	x 60.0%	x 60.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533
554	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554
587	3	2	1	NUMBER per TU	Structure for Water Control (no.) 587
607	2,640	1,320	1,320	FEET per TU	Surface Drainage, Field Ditch (ft.) 607
659	10.0%	10.0%	10.0%	PERCENT of TU	Wetland Enhancement (ac.) 659
311	30.0%	30.0%	30.0%	PERCENT of TU	Alley Cropping (ac.) 311
314	25.0%	25.0%	25.0%	PERCENT of TU	Brush Management (ac.) 314
316	1	1	1	NUMBER per TU	Animal Mortality Facility (no.) 316

Help

WATERSHED NAME & CODE		BLACKWATER - 10300104			LANDUSE ACRES		47,200		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		5		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		10%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Condition – Contaminants: Salts and Other Chemicals	Soil Condition – Contaminants: Residual Pesticides	Water Quality – Harmful Levels of Pesticides in Surface Water	Water Quality – Excessive Nutrients and Organics in
Baseline System		System Rating ->			1	3	3	3	
Total Acreage at Baseline Level		42,480	38,232	0	38,232				
Nutrient Management (ac.) 590		25,488	22,939	0	22,939	2	0	0	5
Pest Management (ac.) 595		25,488	22,939	0	22,939	0	5	5	0
Progressive System		System Rating ->			1	3	3	3	
Total Acreage at Progressive Level		2,360	2,242	4,248	6,490				
Dry Hydrant (no.) 432		472	448	850	1,298	0	0	0	0
Nutrient Management (ac.) 590		1,416	3,894	0	3,894	2	0	0	5
Pest Management (ac.) 595		1,416	3,894	0	3,894	0	5	5	0
Prescribed Burning (ac.) 338		472	448	850	1,298	-1	1	0	2
Upland Wildlife Habitat Management (ac.) 645		1,416	1,345	2,549	3,894	0	0	0	0
Wetland Wildlife Habitat Management (ac.) 644		472	448	850	1,298	0	0	0	0
Resource Management System (RMS)		System Rating ->			1	3	3	3	
Total Acreage at RMS Level		2,360	2,360	118	2,478				
Nutrient Management (ac.) 590		1,416	1,487	0	1,487	2	0	0	5
Pest Management (ac.) 595		1,416	1,487	0	1,487	0	5	5	0
Prescribed Burning (ac.) 338		472	496	0	496	-1	1	0	2
Upland Wildlife Habitat Management (ac.) 645		1,416	1,487	0	1,487	0	0	0	0
Well Decommissioning (no.) 351		472	472	24	496	0	0	0	0
Wetland Wildlife Habitat Management (ac.) 644		472	496	0	496	0	0	0	0

WATERSHED NAME & CODE		BLACKWATER - 10300104						LANDUSE ACRES			47,200
LANDUSE TYPE		DEVELOPED LAND						TYPICAL UNIT SIZE ACRES			5
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			10%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT						OTHERS			NOTES/COMMENTS
	New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	District	
Progressive System Acres Treated	4,248										
Dry Hydrant (no.) 432	850	X									
Nutrient Management (ac.) 590	0	X	X								
Pest Management (ac.) 595	0	X	X								
Prescribed Burning (ac.) 338	850	X	X								
Upland Wildlife Habitat Management (ac.) 645	2,549	X	X								
Wetland Wildlife Habitat Management (ac.) 644	850	X	X	X							
Resource Management System (RMS) Acres Treated	118										
Nutrient Management (ac.) 590	0	X	X								
Pest Management (ac.) 595	0	X	X								
Prescribed Burning (ac.) 338	0	X	X								
Upland Wildlife Habitat Management (ac.) 645	0	X	X								
Well Decommissioning (no.) 351	24	X	X								
Wetland Wildlife Habitat Management (ac.) 644	0	X	X	X							

WATERSHED NAME & CODE		BLACKWATER - 10300104			LANDUSE ACRES		47,200		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		5		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		10%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Condition – Contaminants: Salts and Other Chemicals	Soil Condition – Contaminants: Residual Pesticides	Water Quality – Harmful Levels of Pesticides in Surface Water	Water Quality – Excessive Nutrients and Organics in Surface Water
Baseline System		System Rating ->			1	3	3	3	
Total Acreage at Baseline Level		42,480	38,232	0	38,232				
Nutrient Management (ac.) 590		25,488	22,939	0	22,939	2	0	0	
Pest Management (ac.) 595		25,488	22,939	0	22,939	0	5	5	
Progressive System		System Rating ->			1	3	3	3	
Total Acreage at Progressive Level		2,360	2,242	4,248	6,490				
Dry Hydrant (no.) 432		472	448	850	1,298	0	0	0	
Nutrient Management (ac.) 590		1,416	3,894	0	3,894	2	0	0	
Pest Management (ac.) 595		1,416	3,894	0	3,894	0	5	5	
Prescribed Burning (ac.) 338		472	448	850	1,298	-1	1	0	
Upland Wildlife Habitat Management (ac.) 645		1,416	1,345	2,549	3,894	0	0	0	
Wetland Wildlife Habitat Management (ac.) 644		472	448	850	1,298	0	0	0	
Resource Management System (RMS)		System Rating ->			1	3	3	3	
Total Acreage at RMS Level		2,360	2,360	118	2,478				
Nutrient Management (ac.) 590		1,416	1,487	0	1,487	2	0	0	
Pest Management (ac.) 595		1,416	1,487	0	1,487	0	5	5	
Prescribed Burning (ac.) 338		472	496	0	496	-1	1	0	
Upland Wildlife Habitat Management (ac.) 645		1,416	1,487	0	1,487	0	0	0	
Well Decommissioning (no.) 351		472	472	24	496	0	0	0	
Wetland Wildlife Habitat Management (ac.) 644		472	496	0	496	0	0	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		4248							
Dry Hydrant (no.) 432		850	\$212,400	\$0	\$42,480	\$254,880	\$212,400	\$8,496	\$248,188
Nutrient Management (ac.) 590		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pest Management (ac.) 595		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Burning (ac.) 338		850	\$7,493	\$0	\$1,499	\$8,992	\$7,493	\$0	\$7,493
Upland Wildlife Habitat Management (ac.) 645		2,549	\$0	\$114,696	\$22,939	\$125,134	\$0	\$38,232	\$58,852
Wetland Wildlife Habitat Management (ac.) 644		850	\$0	\$38,232	\$7,646	\$41,711	\$0	\$12,744	\$19,617
Subtotal			\$219,893	\$152,928	\$74,564	\$430,717	\$219,893	\$59,472	\$334,152
Resource Management System (RMS) Acres Treated		118							
Nutrient Management (ac.) 590		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pest Management (ac.) 595		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Burning (ac.) 338		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Upland Wildlife Habitat Management (ac.) 645		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Well Decommissioning (no.) 351		24	\$6,594	\$0	\$1,319	\$7,913	\$6,594	\$0	\$6,594
Wetland Wildlife Habitat Management (ac.) 644		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal			\$6,594	\$0	\$1,319	\$7,913	\$6,594	\$0	\$6,594
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		4366	\$226,487	\$152,928	\$75,883	\$438,630	\$226,487	\$59,472	\$340,746

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

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Blackwater River"/>	Watershed Code	<input type="text" value="10300104"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Pastureland"/>	Landuse Acres	<input type="text" value="249,700"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="40"/>	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 <small>(Based on Watershed Profile)</small>	COMPARE	<input type="text" value="9%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<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	80%	199,760	Baseline	90%	179,784	Baseline	72%	179,784	179,784	0
			Progressive	5%	9,988					
			RMS	5%	9,988					
<i>Must Total 100%</i>			<i>100%</i>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	15%	37,455	Progressive	95%	35,582	Progressive	18%	45,570	35,582	9,988
			RMS	5%	1,873					
<i>Must Total 100%</i>			<i>100%</i>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	5%	12,485	RMS	100%	12,485	RMS	10%	24,346	12,485	11,861
Grand Totals	100%	249,700					100%	249,700	227,851	21,849

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)

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	0.0%	x 50.0%	x 100.0%	PERCENT of TU	Brush Management (ac.) 314
327	0.0%	0.0%	x 5.0%	PERCENT of TU	Conservation Cover (ac.) 327
338	0.0%	0.0%	x 33.0%	PERCENT of TU	Prescribed Burning (ac.) 338
348	0	0	x 1	NUMBER per TU	Dam, Diversion (no.) 348
351	0	0	x 1	NUMBER per TU	Well Decommissioning (no.) 351
362	0	x 100	x 500	FEET per TU	Diversion (ft.) 362
378	x 1	x 1	x 1	NUMBER per TU	Pond (no.) 378
382	x 1,320	x 2,640	x 5,280	FEET per TU	Fence (ft.) 382
410	0	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410
472	0.0%	0.0%	x 5.0%	PERCENT of TU	Use Exclusion (ac.) 472
511	0.0%	x 10.0%	x 25.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 5.0%	x 5.0%	x 5.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
516	x 500	x 1,000	x 1,500	FEET per TU	Pipeline (ft.) 516
528	0.0%	x 50.0%	x 95.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
590	0.0%	0.0%	x 95.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	0.0%	x 95.0%	PERCENT of TU	Pest Management (ac.) 595
642	x 1	x 1	x 1	NUMBER per TU	Water Well (no.) 642
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443

Help

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104			LANDUSE ACRES		249,700		
LANDUSE TYPE		PASTURELAND			TYPICAL UNIT SIZE ACRES		40		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		9%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed
Baseline System		System Rating ->				2	4	3	3
Total Acreage at Baseline Level		199,760	179,784	0	179,784				
Fence (ft.) 382	6,592,080	5,932,872	0	5,932,872	0	0	0	0	
Pasture and Hay Planting (ac.) 512	9,988	8,989	0	8,989	1	5	5	5	
Pipeline (ft.) 516	2,497,000	2,247,300	0	2,247,300	0	2	0	0	
Pond (no.) 378	4,994	4,495	0	4,495	4	2	0	0	
Water Well (no.) 642	4,994	4,495	0	4,495	0	1	0	2	
Progressive System		System Rating ->				4	5	4	5
Total Acreage at Progressive Level		37,455	35,582	9,988	45,570				
Brush Management (ac.) 314	18,728	17,791	4,994	22,785	3	3	4	4	
Diversion (ft.) 362	93,638	88,956	24,970	113,926	3	2	0	0	
Fence (ft.) 382	2,472,030	2,678,033	329,604	3,007,637	0	0	0	0	
Forage Harvest Management (ac.) 511	3,746	3,558	999	4,557	0	4	4	4	
Grade Stabilization Structure (no.) 410	936	890	250	1,139	5	0	0	0	
Pasture and Hay Planting (ac.) 512	1,873	2,279	0	2,279	1	5	5	5	
Pipeline (ft.) 516	936,375	1,014,406	124,850	1,139,256	0	2	0	0	
Pond (no.) 378	936	1,139	0	1,139	4	2	0	0	
Prescribed Grazing (ac.) 528	18,728	17,791	4,994	22,785	2	5	4	5	
Water Well (no.) 642	936	1,139	0	1,139	0	1	0	2	
Resource Management System (RMS)		System Rating ->				5	5	5	5
Total Acreage at RMS Level		12,485	12,485	11,861	24,346				
Brush Management (ac.) 314	12,485	13,421	10,924	24,346	3	3	4	4	
Conservation Cover (ac.) 327	624	624	593	1,217	1	4	0	0	
Dam, Diversion (no.) 348	312	312	297	609	0	0	0	0	
Diversion (ft.) 362	156,063	160,744	143,578	304,322	3	2	0	0	
Fence (ft.) 382	1,648,020	2,101,226	1,112,414	3,213,639	0	0	0	0	
Forage Harvest Management (ac.) 511	3,121	3,309	2,778	6,086	0	4	4	4	
Grade Stabilization Structure (no.) 410	312	359	250	609	5	0	0	0	
Nutrient Management (ac.) 590	11,861	11,861	11,268	23,128	0	3	4	4	
Pasture and Hay Planting (ac.) 512	624	1,217	0	1,217	1	5	5	5	
Pest Management (ac.) 595	11,861	11,861	11,268	23,128	0	5	4	4	
Pipeline (ft.) 516	468,188	639,856	273,109	912,966	0	2	0	0	
Pond (no.) 378	312	609	0	609	4	2	0	0	
Prescribed Burning (ac.) 338	4,120	4,120	3,914	8,034	1	5	5	5	
Prescribed Grazing (ac.) 528	11,861	12,797	10,331	23,128	2	5	4	5	
Use Exclusion (ac.) 472	624	624	593	1,217	2	4	4	4	
Water Well (no.) 642	312	609	0	609	0	1	0	2	
Well Decommissioning (no.) 351	312	312	297	609	0	0	0	0	

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104				LANDUSE ACRES		249,700	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		40	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		9%	
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		9,988							
Brush Management (ac.) 314	4,994	\$221,459	\$0	\$44,292	\$265,751	\$221,459	\$4,429	\$240,116	
Diversion (ft.) 362	24,970	\$21,474	\$0	\$4,295	\$25,769	\$21,474	\$859	\$25,092	
Fence (ft.) 382	329,604	\$240,611	\$0	\$48,122	\$288,733	\$240,611	\$24,061	\$341,965	
Forage Harvest Management (ac.) 511	999	\$3,995	\$0	\$799	\$4,794	\$3,995	\$1,199	\$9,044	
Grade Stabilization Structure (no.) 410	250	\$1,270,954	\$0	\$254,191	\$1,525,145	\$1,270,954	\$76,257	\$1,592,178	
Pasture and Hay Planting (ac.) 512	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Pipeline (ft.) 516	124,850	\$134,214	\$0	\$26,843	\$161,057	\$134,214	\$0	\$134,214	
Pond (no.) 378	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Prescribed Grazing (ac.) 528	4,994	\$21,974	\$0	\$4,395	\$26,368	\$21,974	\$0	\$21,974	
Water Well (no.) 642	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal		\$1,914,681	\$0	\$382,936	\$2,297,617	\$1,914,681	\$106,805	\$2,364,583	
Resource Management System (RMS) Acres Treated		11,861							
Brush Management (ac.) 314	10,924	\$484,441	\$0	\$96,888	\$581,330	\$484,441	\$9,689	\$525,254	
Conservation Cover (ac.) 327	593	\$37,524	\$0	\$7,505	\$45,029	\$37,524	\$750	\$40,686	
Dam, Diversion (no.) 348	297	\$355,823	\$0	\$71,165	\$426,987	\$355,823	\$14,233	\$415,777	
Diversion (ft.) 362	143,578	\$123,477	\$0	\$24,695	\$148,172	\$123,477	\$4,939	\$144,282	
Fence (ft.) 382	1,112,414	\$812,062	\$0	\$162,412	\$974,474	\$812,062	\$81,206	\$1,154,132	
Forage Harvest Management (ac.) 511	2,778	\$11,112	\$0	\$2,222	\$13,334	\$11,112	\$3,333	\$25,154	
Grade Stabilization Structure (no.) 410	250	\$1,270,954	\$0	\$254,191	\$1,525,145	\$1,270,954	\$76,257	\$1,592,178	
Nutrient Management (ac.) 590	11,268	\$0	\$428,286	\$85,657	\$467,261	\$0	\$142,762	\$219,761	
Pasture and Hay Planting (ac.) 512	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Pest Management (ac.) 595	11,268	\$0	\$721,359	\$144,272	\$787,005	\$0	\$240,453	\$370,142	
Pipeline (ft.) 516	273,109	\$293,593	\$0	\$58,719	\$352,311	\$293,593	\$0	\$293,593	
Pond (no.) 378	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Prescribed Burning (ac.) 338	3,914	\$34,522	\$0	\$6,904	\$41,426	\$34,522	\$0	\$34,522	
Prescribed Grazing (ac.) 528	10,331	\$45,458	\$0	\$9,092	\$54,549	\$45,458	\$0	\$45,458	
Use Exclusion (ac.) 472	593	\$1,483	\$0	\$297	\$1,779	\$1,483	\$89	\$1,857	
Water Well (no.) 642	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Well Decommissioning (no.) 351	297	\$82,849	\$0	\$16,570	\$99,419	\$82,849	\$0	\$82,849	
Subtotal		\$3,553,297	\$1,149,645	\$940,588	\$5,518,223	\$3,553,297	\$573,712	\$4,945,643	
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		15918.375	\$5,467,977	\$1,149,645	\$1,323,524	\$7,815,840	\$5,467,977	\$680,517	\$7,310,225

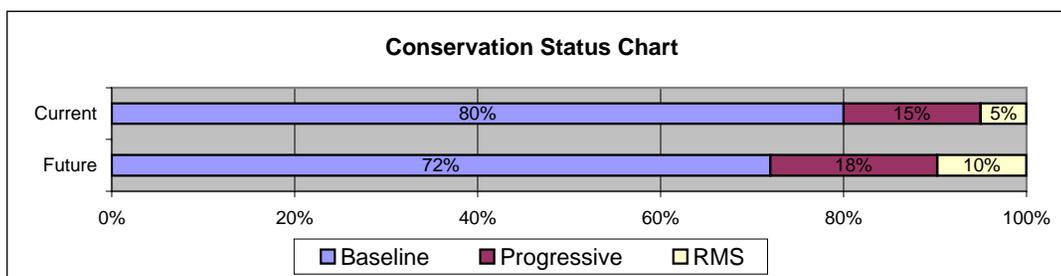


Chart Refers To	
Landuse Type	PASTURELAND
Estimated Participation Rate	9%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$230	\$237
RMS	\$465	\$417

Estimated FTE per Year	2.6
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WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104						LANDUSE ACRES			249,700
LANDUSE TYPE		PASTURELAND						TYPICAL UNIT SIZE ACRES			40
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			9%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
Progressive System Acres Treated		9,988									
Brush Management (ac.) 314	4,994	X	X								
Diversion (ft.) 362	24,970	X	X	X							
Fence (ft.) 382	329,604	X	X								
Forage Harvest Management (ac.) 511	999	X									
Grade Stabilization Structure (no.) 410	250	X	X								
Pasture and Hay Planting (ac.) 512	0	X	X								
Pipeline (ft.) 516	124,850	X	X								
Pond (no.) 378	0	X									
Prescribed Grazing (ac.) 528	4,994	X	X								
Water Well (no.) 642	0	X	X								
Resource Management System (RMS) Acres Treated		11,861									
Brush Management (ac.) 314	10,924	X	X								
Conservation Cover (ac.) 327	593	X	X				X				
Dam, Diversion (no.) 348	297	X									
Diversion (ft.) 362	143,578	X	X	X							
Fence (ft.) 382	1,112,414	X	X								
Forage Harvest Management (ac.) 511	2,778	X									
Grade Stabilization Structure (no.) 410	250	X	X								
Nutrient Management (ac.) 590	11,268	X	X								
Pasture and Hay Planting (ac.) 512	0	X	X								
Pest Management (ac.) 595	11,268	X	X								
Pipeline (ft.) 516	273,109	X	X								
Pond (no.) 378	0	X									
Prescribed Burning (ac.) 338	3,914	X	X								
Prescribed Grazing (ac.) 528	10,331	X	X								
Use Exclusion (ac.) 472	593	X	X	X							
Water Well (no.) 642	0	X	X								
Well Decommissioning (no.) 351	297	X	X								

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104			LANDUSE ACRES		249,700		
LANDUSE TYPE		PASTURELAND			TYPICAL UNIT SIZE ACRES		40		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		9%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed and Forage
Baseline System		System Rating ->			2	4	3	3	
Total Acreage at Baseline Level		199,760	179,784	0	179,784				
Fence (ft.) 382		6,592,080	5,932,872	0	5,932,872	0	0	0	
Pasture and Hay Planting (ac.) 512		9,988	8,989	0	8,989	1	5	5	
Pipeline (ft.) 516		2,497,000	2,247,300	0	2,247,300	0	2	0	
Pond (no.) 378		4,994	4,495	0	4,495	4	2	0	
Water Well (no.) 642		4,994	4,495	0	4,495	0	1	0	
Progressive System		System Rating ->			4	5	4	5	
Total Acreage at Progressive Level		37,455	35,582	9,988	45,570				
Brush Management (ac.) 314		18,728	17,791	4,994	22,785	3	3	4	
Diversion (ft.) 362		93,638	88,956	24,970	113,926	3	2	0	
Fence (ft.) 382		2,472,030	2,678,033	329,604	3,007,637	0	0	0	
Forage Harvest Management (ac.) 511		3,746	3,558	999	4,557	0	4	4	
Grade Stabilization Structure (no.) 410		936	890	250	1,139	5	0	0	
Pasture and Hay Planting (ac.) 512		1,873	2,279	0	2,279	1	5	5	
Pipeline (ft.) 516		936,375	1,014,406	124,850	1,139,256	0	2	0	
Pond (no.) 378		936	1,139	0	1,139	4	2	0	
Prescribed Grazing (ac.) 528		18,728	17,791	4,994	22,785	2	5	4	
Water Well (no.) 642		936	1,139	0	1,139	0	1	0	
Resource Management System (RMS)		System Rating ->			5	5	5	5	
Total Acreage at RMS Level		12,485	12,485	11,861	24,346				
Brush Management (ac.) 314		12,485	13,421	10,924	24,346	3	3	4	
Conservation Cover (ac.) 327		624	624	593	1,217	1	4	0	
Dam, Diversion (no.) 348		312	312	297	609	0	0	0	
Diversion (ft.) 362		156,063	160,744	143,578	304,322	3	2	0	
Fence (ft.) 382		1,648,020	2,101,226	1,112,414	3,213,639	0	0	0	
Forage Harvest Management (ac.) 511		3,121	3,309	2,778	6,086	0	4	4	
Grade Stabilization Structure (no.) 410		312	359	250	609	5	0	0	
Nutrient Management (ac.) 590		11,861	11,861	11,268	23,128	0	3	4	
Pasture and Hay Planting (ac.) 512		624	1,217	0	1,217	1	5	5	
Pest Management (ac.) 595		11,861	11,861	11,268	23,128	0	5	4	
Pipeline (ft.) 516		468,188	639,856	273,109	912,966	0	2	0	
Pond (no.) 378		312	609	0	609	4	2	0	
Prescribed Burning (ac.) 338		4,120	4,120	3,914	8,034	1	5	5	
Prescribed Grazing (ac.) 528		11,861	12,797	10,331	23,128	2	5	4	
Use Exclusion (ac.) 472		624	624	593	1,217	2	4	4	
Water Well (no.) 642		312	609	0	609	0	1	0	
Well Decommissioning (no.) 351		312	312	297	609	0	0	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		9988							
Brush Management (ac.) 314		4,994	\$221,459	\$0	\$44,292	\$265,751	\$221,459	\$4,429	\$240,116
Diversion (ft.) 362		24,970	\$21,474	\$0	\$4,295	\$25,769	\$21,474	\$859	\$25,092
Fence (ft.) 382		329,604	\$240,611	\$0	\$48,122	\$288,733	\$240,611	\$24,061	\$341,965
Forage Harvest Management (ac.) 511		999	\$3,995	\$0	\$799	\$4,794	\$3,995	\$1,199	\$9,044
Grade Stabilization Structure (no.) 410		250	\$1,270,954	\$0	\$254,191	\$1,525,145	\$1,270,954	\$76,257	\$1,592,178
Pasture and Hay Planting (ac.) 512		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pipeline (ft.) 516		124,850	\$134,214	\$0	\$26,843	\$161,057	\$134,214	\$0	\$134,214
Pond (no.) 378		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Grazing (ac.) 528		4,994	\$21,974	\$0	\$4,395	\$26,368	\$21,974	\$0	\$21,974
Water Well (no.) 642		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal			\$1,914,681	\$0	\$382,936	\$2,297,617	\$1,914,681	\$106,805	\$2,364,583
Resource Management System (RMS) Acres Treated		11860.75							
Brush Management (ac.) 314		10,924	\$484,441	\$0	\$96,888	\$581,330	\$484,441	\$9,689	\$525,254
Conservation Cover (ac.) 327		593	\$37,524	\$0	\$7,505	\$45,029	\$37,524	\$750	\$40,686
Dam, Diversion (no.) 348		297	\$355,823	\$0	\$71,165	\$426,987	\$355,823	\$14,233	\$415,777
Diversion (ft.) 362		143,578	\$123,477	\$0	\$24,695	\$148,172	\$123,477	\$4,939	\$144,282
Fence (ft.) 382		1,112,414	\$812,062	\$0	\$162,412	\$974,474	\$812,062	\$81,206	\$1,154,132
Forage Harvest Management (ac.) 511		2,778	\$11,112	\$0	\$2,222	\$13,334	\$11,112	\$3,333	\$25,154
Grade Stabilization Structure (no.) 410		250	\$1,270,954	\$0	\$254,191	\$1,525,145	\$1,270,954	\$76,257	\$1,592,178
Nutrient Management (ac.) 590		11,268	\$0	\$428,286	\$85,657	\$467,261	\$0	\$142,762	\$219,761
Pasture and Hay Planting (ac.) 512		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pest Management (ac.) 595		11,268	\$0	\$721,359	\$144,272	\$787,005	\$0	\$240,453	\$370,142
Pipeline (ft.) 516		273,109	\$293,593	\$0	\$58,719	\$352,311	\$293,593	\$0	\$293,593
Pond (no.) 378		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Burning (ac.) 338		3,914	\$34,522	\$0	\$6,904	\$41,426	\$34,522	\$0	\$34,522
Prescribed Grazing (ac.) 528		10,331	\$45,458	\$0	\$9,092	\$54,549	\$45,458	\$0	\$45,458
Use Exclusion (ac.) 472		593	\$1,483	\$0	\$297	\$1,779	\$1,483	\$89	\$1,857
Water Well (no.) 642		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Well Decommissioning (no.) 351		297	\$82,849	\$0	\$16,570	\$99,419	\$82,849	\$0	\$82,849
Subtotal			\$3,553,297	\$1,149,645	\$940,588	\$5,518,223	\$3,553,297	\$573,712	\$4,945,643
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		21848.75	\$5,467,977	\$1,149,645	\$1,323,524	\$7,815,840	\$5,467,977	\$680,517	\$7,310,225

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

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Blackwater River"/>	Watershed Code	<input type="text" value="10300104"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Forestland"/>	Landuse Acres	<input type="text" value="120,700"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="20"/>	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 <small>(Based on Watershed Profile)</small>	← COMPARE →	<input type="text" value="9%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<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	90%	108,630	Baseline	90%	97,767	Baseline	81%	97,767	97,767	0
			Progressive	10%	10,863					
			RMS	0%	0					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	10%	12,070	Progressive	100%	12,070	Progressive	19%	22,933	12,070	10,863
			RMS	0%	0					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	0%	0	RMS	100%	0	RMS	--	0	0	0
Grand Totals	100%	120,700					100%	120,700	109,837	10,863

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)

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Brush Management (ac.) 314
382	0	0	x 1,320	FEET per TU	Fence (ft.) 382
391	0.0%	x 10.0%	x 10.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
472	0.0%	x 10.0%	x 10.0%	PERCENT of TU	Use Exclusion (ac.) 472
490	0.0%	x 25.0%	x 25.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
612	x 25.0%	x 25.0%	x 25.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
644	0.0%	x 25.0%	x 25.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644
645	x 75.0%	x 75.0%	x 75.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
657	0.0%	x 25.0%	x 25.0%	PERCENT of TU	Wetland Restoration (ac.) 657
660	0.0%	x 5.0%	x 5.0%	PERCENT of TU	Tree/Shrub Pruning (ac.) 660
666	0.0%	x 5.0%	x 5.0%	PERCENT of TU	Forest Stand Improvement (ac.) 666
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533
554	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554
587	3	2	1	NUMBER per TU	Structure for Water Control (no.) 587
590	100.0%	100.0%	100.0%	PERCENT of TU	Nutrient Management (ac.) 590

Help

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104			LANDUSE ACRES		120,700		
LANDUSE TYPE		FORESTLAND			TYPICAL UNIT SIZE ACRES		20		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		9%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Soil Condition – Compaction	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants
Baseline System		System Rating ->			1	1	4	3	
Total Acreage at Baseline Level		108,630	97,767	0	97,767				
Tree/Shrub Establishment (ac.) 612		27,158	24,442	0	24,442	2	2	5	4
Upland Wildlife Habitat Management (ac.) 645		81,473	73,325	0	73,325	2	0	4	4
Progressive System		System Rating ->			3	3	5	5	
Total Acreage at Progressive Level		12,070	12,070	10,863	22,933				
Brush Management (ac.) 314		12,070	12,070	10,863	22,933	3	-1	3	4
Forest Stand Improvement (ac.) 666		604	604	543	1,147	3	0	5	4
Riparian Forest Buffer (ac.) 391		1,207	1,207	1,086	2,293	3	4	4	4
Tree/Shrub Establishment (ac.) 612		3,018	5,733	0	5,733	2	2	5	4
Tree/Shrub Pruning (ac.) 660		604	604	543	1,147	0	0	5	0
Tree/Shrub Site Preparation (ac.) 490		3,018	3,018	2,716	5,733	-2	-1	5	4
Upland Wildlife Habitat Management (ac.) 645		9,053	17,200	0	17,200	2	0	4	4
Use Exclusion (ac.) 472		1,207	1,207	1,086	2,293	2	4	4	4
Wetland Restoration (ac.) 657		3,018	3,018	2,716	5,733	0	0	4	4
Wetland Wildlife Habitat Management (ac.) 644		3,018	3,018	2,716	5,733	0	0	4	4
Resource Management System (RMS)		System Rating ->			3	3	5	5	
Total Acreage at RMS Level		0	0	0	0				
Brush Management (ac.) 314		0	0	0	0	3	-1	3	4
Fence (ft.) 382		0	0	0	0	0	0	0	0
Forest Stand Improvement (ac.) 666		0	0	0	0	3	0	5	4
Riparian Forest Buffer (ac.) 391		0	0	0	0	3	4	4	4
Tree/Shrub Establishment (ac.) 612		0	0	0	0	2	2	5	4
Tree/Shrub Pruning (ac.) 660		0	0	0	0	0	0	5	0
Tree/Shrub Site Preparation (ac.) 490		0	0	0	0	-2	-1	5	4
Upland Wildlife Habitat Management (ac.) 645		0	0	0	0	2	0	4	4
Use Exclusion (ac.) 472		0	0	0	0	2	4	4	4
Wetland Restoration (ac.) 657		0	0	0	0	0	0	4	4
Wetland Wildlife Habitat Management (ac.) 644		0	0	0	0	0	0	4	4

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104				LANDUSE ACRES		120,700	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		20	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		9%	
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		10,863							
Brush Management (ac.) 314	10,863	\$481,720	\$0	\$96,344	\$578,064	\$481,720	\$9,634	\$522,303	
Forest Stand Improvement (ac.) 666	543	\$24,314	\$0	\$4,863	\$29,177	\$24,314	\$486	\$26,363	
Riparian Forest Buffer (ac.) 391	1,086	\$177,067	\$0	\$35,413	\$212,480	\$177,067	\$3,541	\$191,984	
Tree/Shrub Establishment (ac.) 612	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Tree/Shrub Pruning (ac.) 660	543	\$61,104	\$0	\$12,221	\$73,325	\$61,104	\$2,444	\$71,400	
Tree/Shrub Site Preparation (ac.) 490	2,716	\$0	\$364,915	\$72,983	\$398,124	\$0	\$121,638	\$187,244	
Upland Wildlife Habitat Management (ac.) 645	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Use Exclusion (ac.) 472	1,086	\$2,716	\$0	\$543	\$3,259	\$2,716	\$163	\$3,402	
Wetland Restoration (ac.) 657	2,716	\$407,363	\$0	\$81,473	\$488,835	\$407,363	\$8,147	\$441,682	
Wetland Wildlife Habitat Management (ac.) 644	2,716	\$0	\$122,209	\$24,442	\$133,330	\$0	\$40,736	\$62,707	
Subtotal		\$1,154,283	\$487,124	\$328,281	\$1,916,594	\$1,154,283	\$186,791	\$1,507,086	
Resource Management System (RMS) Acres Treated		0							
Brush Management (ac.) 314	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Fence (ft.) 382	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Forest Stand Improvement (ac.) 666	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Riparian Forest Buffer (ac.) 391	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Tree/Shrub Establishment (ac.) 612	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Tree/Shrub Pruning (ac.) 660	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Tree/Shrub Site Preparation (ac.) 490	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Upland Wildlife Habitat Management (ac.) 645	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Use Exclusion (ac.) 472	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Wetland Restoration (ac.) 657	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Wetland Wildlife Habitat Management (ac.) 644	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		10863	\$1,154,283	\$487,124	\$328,281	\$1,916,594	\$1,154,283	\$186,791	\$1,507,086

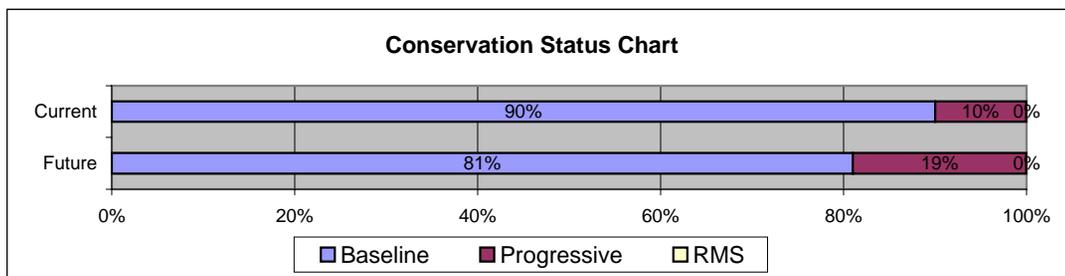


Chart Refers To	
Landuse Type	FORESTLAND
Estimated Participation Rate	9%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$176	\$139
RMS	--	--

Estimated FTE per Year	0.7
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WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104						LANDUSE ACRES			120,700
LANDUSE TYPE		FORESTLAND						TYPICAL UNIT SIZE ACRES			20
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			9%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
Progressive System Acres Treated		10,863									
Brush Management (ac.) 314	10,863	X	X								
Forest Stand Improvement (ac.) 666	543	X	X								
Riparian Forest Buffer (ac.) 391	1,086	X	X								
Tree/Shrub Establishment (ac.) 612	0	X	X	X							
Tree/Shrub Pruning (ac.) 660	543	X									
Tree/Shrub Site Preparation (ac.) 490	2,716	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	0	X	X								
Use Exclusion (ac.) 472	1,086	X	X	X							
Wetland Restoration (ac.) 657	2,716	X	X	X							
Wetland Wildlife Habitat Management (ac.) 644	2,716	X	X	X							
Resource Management System (RMS) Acres Treated		0									
Brush Management (ac.) 314	0	X	X								
Fence (ft.) 382	0	X	X								
Forest Stand Improvement (ac.) 666	0	X	X								
Riparian Forest Buffer (ac.) 391	0	X	X								
Tree/Shrub Establishment (ac.) 612	0	X	X	X							
Tree/Shrub Pruning (ac.) 660	0	X									
Tree/Shrub Site Preparation (ac.) 490	0	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	0	X	X								
Use Exclusion (ac.) 472	0	X	X	X							
Wetland Restoration (ac.) 657	0	X	X	X							
Wetland Wildlife Habitat Management (ac.) 644	0	X	X	X							

WATERSHED NAME & CODE		BLACKWATER RIVER - 10300104				LANDUSE ACRES		120,700	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		20	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		9%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Soil Condition – Compaction	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants
Baseline System		System Rating ->				1	1	4	3
Total Acreage at Baseline Level		108,630	97,767	0	97,767				
Tree/Shrub Establishment (ac.) 612		27,158	24,442	0	24,442	2	2	5	4
Upland Wildlife Habitat Management (ac.) 645		81,473	73,325	0	73,325	2	0	4	4
Progressive System		System Rating ->				3	3	5	5
Total Acreage at Progressive Level		12,070	12,070	10,863	22,933				
Brush Management (ac.) 314		12,070	12,070	10,863	22,933	3	-1	3	4
Forest Stand Improvement (ac.) 666		604	604	543	1,147	3	0	5	4
Riparian Forest Buffer (ac.) 391		1,207	1,207	1,086	2,293	3	4	4	4
Tree/Shrub Establishment (ac.) 612		3,018	5,733	0	5,733	2	2	5	4
Tree/Shrub Pruning (ac.) 660		604	604	543	1,147	0	0	5	0
Tree/Shrub Site Preparation (ac.) 490		3,018	3,018	2,716	5,733	-2	-1	5	4
Upland Wildlife Habitat Management (ac.) 645		9,053	17,200	0	17,200	2	0	4	4
Use Exclusion (ac.) 472		1,207	1,207	1,086	2,293	2	4	4	4
Wetland Restoration (ac.) 657		3,018	3,018	2,716	5,733	0	0	4	4
Wetland Wildlife Habitat Management (ac.) 644		3,018	3,018	2,716	5,733	0	0	4	4
Resource Management System (RMS)		System Rating ->				3	3	5	5
Total Acreage at RMS Level		0	0	0	0				
Brush Management (ac.) 314		0	0	0	0	3	-1	3	4
Fence (ft.) 382		0	0	0	0	0	0	0	0
Forest Stand Improvement (ac.) 666		0	0	0	0	3	0	5	4
Riparian Forest Buffer (ac.) 391		0	0	0	0	3	4	4	4
Tree/Shrub Establishment (ac.) 612		0	0	0	0	2	2	5	4
Tree/Shrub Pruning (ac.) 660		0	0	0	0	0	0	5	0
Tree/Shrub Site Preparation (ac.) 490		0	0	0	0	-2	-1	5	4
Upland Wildlife Habitat Management (ac.) 645		0	0	0	0	2	0	4	4
Use Exclusion (ac.) 472		0	0	0	0	2	4	4	4
Wetland Restoration (ac.) 657		0	0	0	0	0	0	4	4
Wetland Wildlife Habitat Management (ac.) 644		0	0	0	0	0	0	4	4
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		10863							
Brush Management (ac.) 314		10,863	\$481,720	\$0	\$96,344	\$578,064	\$481,720	\$9,634	\$522,303
Forest Stand Improvement (ac.) 666		543	\$24,314	\$0	\$4,863	\$29,177	\$24,314	\$486	\$26,363
Riparian Forest Buffer (ac.) 391		1,086	\$177,067	\$0	\$35,413	\$212,480	\$177,067	\$3,541	\$191,984
Tree/Shrub Establishment (ac.) 612		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Pruning (ac.) 660		543	\$61,104	\$0	\$12,221	\$73,325	\$61,104	\$2,444	\$71,400
Tree/Shrub Site Preparation (ac.) 490		2,716	\$0	\$364,915	\$72,983	\$398,124	\$0	\$121,638	\$187,244
Upland Wildlife Habitat Management (ac.) 645		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Use Exclusion (ac.) 472		1,086	\$2,716	\$0	\$543	\$3,259	\$2,716	\$163	\$3,402
Wetland Restoration (ac.) 657		2,716	\$407,363	\$0	\$81,473	\$488,835	\$407,363	\$8,147	\$441,682
Wetland Wildlife Habitat Management (ac.) 644		2,716	\$0	\$122,209	\$24,442	\$133,330	\$0	\$40,736	\$62,707
Subtotal			\$1,154,283	\$487,124	\$328,281	\$1,916,594	\$1,154,283	\$186,791	\$1,507,086
Resource Management System (RMS) Acres Treated		0							
Brush Management (ac.) 314		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fence (ft.) 382		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Stand Improvement (ac.) 666		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Riparian Forest Buffer (ac.) 391		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Establishment (ac.) 612		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Pruning (ac.) 660		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Site Preparation (ac.) 490		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Upland Wildlife Habitat Management (ac.) 645		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wetland Restoration (ac.) 657		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wetland Wildlife Habitat Management (ac.) 644		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal			\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		10863	\$1,154,283	\$487,124	\$328,281	\$1,916,594	\$1,154,283	\$186,791	\$1,507,086

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